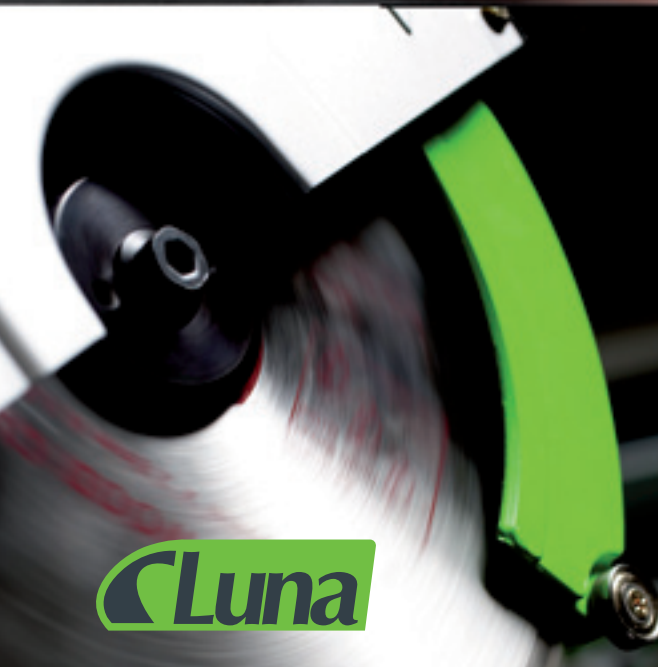


Luna

A B&B TOOLS COMPANY

Over 6000
quality products
inside





Luna branded products – the answer to your needs in tools, machines and industrial consumables



Back in 1917 Luna started as a small hardware company in Alingsås, Sweden. Now, almost 100 years later, Luna run operations in Scandinavia, the Baltic states, Poland, China and Taiwan. Through professional distribution we reach end users in over 40 other countries both in industry, automotive repair & spare parts and building & construction.

A lot of time and effort has been spent on developing the products in this catalogue – our own brands Teng Tools, Limit and Luna. The branded products are a part of our large assortment with over 40.000 articles and fulfill the needs both for professionals and demanding DIY customers. Most of these items are available on stock for delivery within 24 h.





Our development in your market

We follow our strategic target to become the preferred choice in MRO – maintenance, repair and operations, or in other words most things needed in your daily work. Luna – First in MRO.

Our products go on display on road shows, exhibitions, advertising, events, catalogs, demo vans etc. but it is in the hands of a demanding end user where we get the receipt and acknowledgement of a product well built. In this latest edition of our catalog on our branded products Teng Tools and Limit we have also added the Luna brand – more than 3500 products for industrial use. Here you will find all things between machines, air tools, power tool accessories, hand tools and much more.

All of these products stand up to the test and help you perform your job – whatever it may be. Lunas export team wish you good reading!



Welcome to Teng Tools

You are about to see the product line that made Teng Tools the respected brand that it is today as well as some new products that are sure to make Teng Tools an even more sensible choice for the professional user in the industry and the automotive trade.

About us

Teng Tools started twentyfive years ago with the belief that beauty lives in the details. Over the years, these useful details have come to be known as Typically Teng. Today we offer over 2200 tools that possess such beauty and we distribute them in more than thirty countries. Our guaranteed tools and their unique Tool Control System do more than just get the job done, they help to improve workflow by creating a more organised and efficient workshop with smoother performance. With Teng on your side, you'll save money and time by eliminating the hassle of searching for misplaced tools.

Our customers

Our clients range from major industry leaders to respected vehicle manufacturers, to the top names in racing and even your next-door neighbour with the great garage. We offer a worldwide distribution network to accommodate large or small orders with fast service, competitive prices and optimal quality.

Development

We continue to anticipate new user needs by working closely with professional users and applying their feedback to the development of new and even better tools and toolsets. Only Teng Tools offers Swedish design and dependability of Taiwanese production at costs competitive enough to please price conscious professional users all over the world.

Tool Control System

Get Organised with Teng Tools!

Why dig through cluttered tool box drawers when you could be organised with the Teng Tools tool control system?

Aside from making some of the world's greatest tools, Teng Tools tool sets offer you an entire system to help maintain order in your workshop.

The Teng Tools tool control system is about each tool having its own place. Instead of drawing an outline around each tool as in the old days, each tool compartment acts as an organising system by clicking together to fit snugly in your tool box drawers.

No space is wasted and with each tool snugly away in its place, it's much easier to identify tools that are missing at the end of the day.

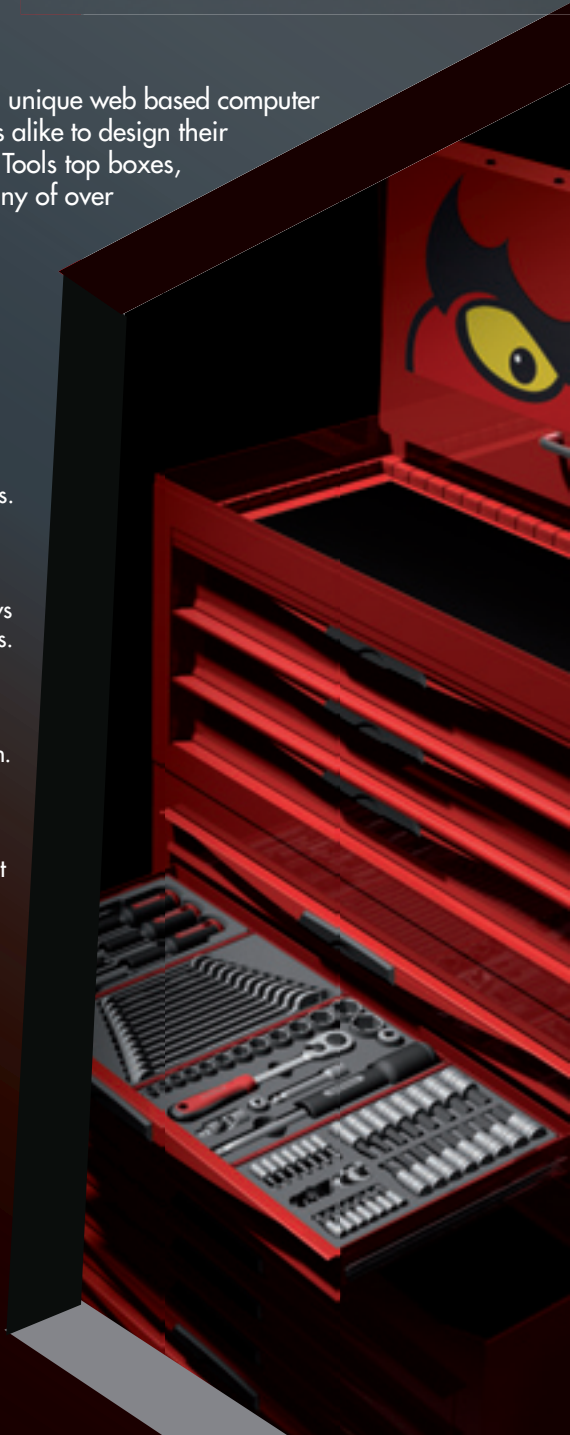


Click and Fill

Click and Fill

Teng Tools have developed their own unique web based computer programme to enable users and stockists alike to design their own tool kit using any combination of Teng Tools top boxes, middle boxes and roller cabinets together with any of over 100 different tool trays.

- To design your own tool kit simply visit www.tengtools.com and click on the "Tool Control System" menu.
- The programme includes several suggested tool kits that can be changed by adding or removing tool trays to develop a tool kit to suit your own personal needs.
- Alternatively you can start with any tool box or combination of boxes and then add the tool trays that you need to make up your own unique combination.
- Print off your own personal wish list.
- Move the trays around between drawers and print off your own tool kit drawer layout.
- Simple on screen step by instructions and help menu on the web site.





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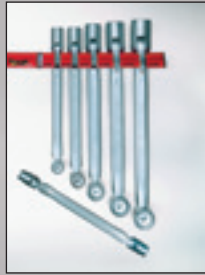
World of Teng Tools

Product Range



Tool Storage

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Wall Racks

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Socket Sets

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Socketry

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Wrenches and Spanners

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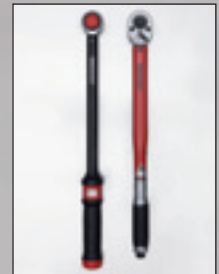
Screwdrivers

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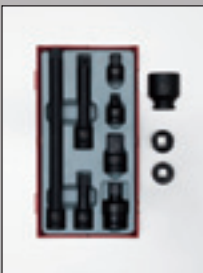
Pliers

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Torque Tools

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Impact Tools

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Insulated Tools

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Service Tools

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Teng Collection

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Get Organised with Teng Tools!

Teng Tools is rather unique in that it offers a complete system that enables you to build your own tool kit in a structured and highly organised way.

With a choice of different types of tool box and over 100 different tool trays supported by the web based Click and Fill computer programme.

However, to make the choice a little easier Teng Tools have put together a selection of suggested tool kits. Ranging from a small carrying tool kit to the massive 1001 piece Mega Master these suggestions have been developed in conjunction with leading experts from the automotive and industrial trades.



- Choose from our suggested tool kits or design your personal kit.
- A choice of over 80 different TC trays, double width TC trays and over 20 of the full width TTX trays, 8 of the drawer size PS tray sets plus the new EVA trays gives the flexibility to compile individual but highly organised and space efficient tool kits.
- A choice of 20 ball bearing slide tool boxes and roller cabinets or TC tray set carrying cases.
- Use any combination of trays and tool boxes to create an almost endless variety of tool kits suitable for any type of use.
- Use "Click and Fill" the unique web based tool kit design programme on www.tengtools.com to build your own tool kit on screen.



Tool Storage

Tool Storage

Tool sets



Teng Tools. Tool sets of 1001 pieces. Supplied in tool boxes TC803N and TC806NF as well as tool trolley TCW801N.

Table of contents - separate tools as well as TT and TTX sets:

Top drawer 1/6: hex keys in millimetre and imperial sets, TX-key set and mini screwdriver set.

Top drawer 4/6: TTSEX7 - art. no. 6883-0106, TTNR81 - art. no. 6893-0106, TTTX7 - art. no. 6892-0107, TTHR81 - art. no. 6921-0101.

Top drawer 5/6: TT1236 - art. no.2756-0101, TTALU - art. no. 0389-0100, TTTM03 - art. no. 10946-0105, TT6208 - art. no. 0390-0107.

Top drawer 6/6: TTPO9 - art. no. 10621-0107.

Middle drawer 1/3: TTPO9 art. no. 6922-0101, TTID20 - art. no. 10210-0104, TTRS04 - art. no. 11769-0107, TT00 - art. no. 0416-0107.

Middle drawer 2/3: TTPO8 - art. no. 10212-0102, TT6506 - art. no. 7300-0101, TT6010M - art. no. 10947-0104, TT3592 - art. no. 5805-0303.

Middle drawer 3/3: TTXPB3 - art. no.10069-0106, TTX6311 - art. no. 6891-0157.

Drawers in tool trolley.

Drawer 1/10: TTXEXT13 - art. no. 6887-0104, TT1205 - art. no. 0357-0108, TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1217 - art. no. 0357-0207.

Drawer 2/10: TTTX23 - art. no. 6886-0105, TTSEX23 - art. no. 6885-0106, TTALU - art. no. 0389-0100, TTXMDT - art. no. 10213-0101, TT9116 - art. no. 6880-0101.

Drawer 3/10: TTX918 - art. no. 6897-0102, TT917 - art. no. 3017-0104, TT917TX - art. no. 2598-0103, TTMD74 - art. no. 14403-0103, TTMI16 - art. no. 10445-0101.

Drawer 4/10: TTX474-9 - art. no. 11270-0104, TT440-T - art. no. 10982-0101, TT474-7 - art. no. 0403-0102, TT474-5 - art. no. 11252-0101, TTHC03 - art. no. 11842-0108.

Drawer 5/10: TTX1292 - art. no. 7319-0100, TTV440 - art. no. 11749-0102, TTCP121 - art. no. 11038-0102, TTV907 - art. no. 11750-0108, TT01 - art. no. 0416-0206.

Drawer 6/10: TTX01 - art. no. 10945-0106, TT804 - art. no. 0398-0109, TTOS16 - art. no. 0396-0101, TTSN11 - art. no. 6934-0107, TTTD17 - art. no. 6919-0106.

Drawer 7/10: TTX2032 - art. no. 6891-0108, TTX3892 - art. no. 10211-0104, TTXPB3A - art. no. 11783-0106.

Drawer 8/10: TTXMDN - art. no. 11459-0102, TTSPG - art. no. 10623-0105.

Drawer 9/10: TTX2640 - art. no. 6891-0207, TTXH15 - art. no. 11889-0102, TT1215AF - art. no. 0357-0306, TTAFF32 - art. no. 6861-0104, TTTX30 - art. no. 10214-0100.

Drawer 10/10: TTX3404 - art. no. 10153-0103, TTX3414 - art. no. 10154-0102.

Brackets TCF01 to connect middle box to roller cabinet are included.

| | |
|-----------------------|-------|
| Art. no. | |
| Teng Tools..... | |
| No. of pieces | |
| Weight | |

| |
|--------------|
| 12239 |
| No |
| kg |

| |
|--------------|
| -0107 |
| TCMM1001N |
| 1001 |
| 200 |

Tool sets



Teng Tools. Type Mega Master. Tool set with 715 pieces placed in tool trolley TCW810N as well as in tool boxes TC806NF and TC803N.

Top drawer 4 contains the sets TTMI16 - art. no. 10445-0101, TTID20 - art. no. 10210-0104, TTPC09 - art. no. 6922-0101 and TT01 - art. no. 0416-0206.

Top drawer 5 contains the sets TT917 - art. no. 3017-0104, TT440-T - art. no. 10982-0101, TT917TX - art. no. 2598-0103 and TTMD74 - art. no. 14403-0103.

Top drawer 6 contains set TTPSPG - art. no. 10623-0105.

Middle drawer 1 contains the sets TT804 - art. no. 0398-0109, TTNR81 - art. no. 10619-0101, TTDD17 - art. no. 6919-0106 and TTHP08 - art. no. 10212-0102.

Middle drawer 2 contains the sets TTHER7 - art. no. 6893-0106, TT474-7 - art. no. 0403-0102, TTTX7 - art. no. 6892-0107 and TTHR81 - art. no. 6921-0102.

Middle drawer 3 contains the sets TTX6311 - art. no. 6891-0157 and TTXPB3 - art. no. 10069-0106.

Drawer 1 in the tool trolley contains the sets TTTEXT13 - art. no. 6887-0104, TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1217 - art. no. 0357-0207 and TT1205 - art. no. 0357-0108.

Drawer 2 in the tool trolley contains the sets TTX1292 - art. no. 7319-0100, TT9116, - art. no. 6880-0101, TTHER23 - art. no. 6885-0106, TTALU - art. no. 0389-0100 and TTTX23 - art. no. 6886-0105.

Drawer 3-6 in the tool trolley without tool sets.

Drawer 7 in the tool trolley contains the sets TTX2032 - art. no. 6891-0108, TT1236 - art. no. 2756-0101, TTSN11 - art. no. 6934-0107, TTOS16 - art. no. 0396-0101 and TTALU - art. no. 0389-0100.

Drawer 8 in the tool trolley contains the sets TTX918 - art. no. 6897-0102 and TTPS09 - art. no. 10621-0107.

Drawer 9 in the tool trolley contains the sets TTX2640 - art. no. 6891-0207, TT3592 - art. no. 5805-0303, TTAFF32 - art. no. 6861-0104, TT1215AF - art. no. 0357-0306 and TTTX30 - art. no. 10214-0100.

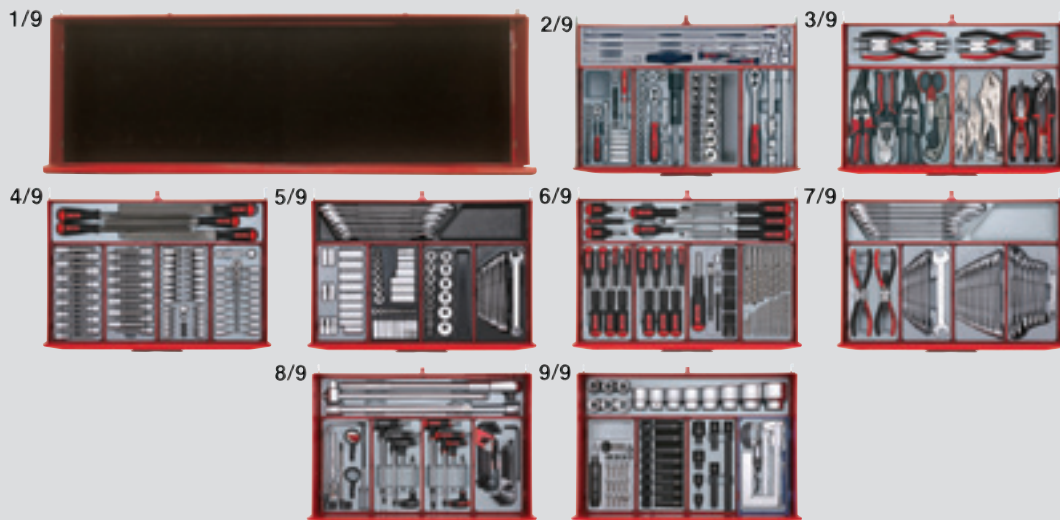
Drawer 10 in the tool trolley without tool set.

Brackets TCF01 to connect middle box to roller cabinet are included.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10624 | -0203 |
| Teng Tools | No | TCMM715N |
| Weight complete. | kg | 180 |

Tool Storage

Tool sets



Teng Tools. Tool set for industrial use. Containing 569 parts. Supplied in roller cabinet TCW809N. The roller cabinet has 9 ball bearing drawers. The following TT and TTX -tool sets are supplied.

- Drawer 1.** Empty.
- Drawer 2.** TTXEXT13 - art. no. 6887-0104, TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1205 - art. no. 0357-0108, TT1217 - art. no. 0357-0207.
- Drawer 3.** TTX474-9 - art. no. 11270-0109, TT440-T - art. no. 10982-0101, TTVG05 -art. no. 12248-0106, TTDCT05 - artnr 14402-0104.
- Drawer 4.** TTXF05 - art. no. 12844-0104, TTTX30 -art. no. 10214-0100, TTBS35 - art. no. 13215-0103, TTTXH15 - artnr 11889-0102, TTRS15 - art. no. 14388-0102.
- Drawer 5.** TTX2640 - art. no. 6891-0207, TTAf32 - art. no. 6861-0104, TT1215AF - art. no. 0357-0306, TT3592 -art. no. 5805-0303, TT3816 - art. no. 14430-0100.
- Drawer 6.** TTX918 - art. no. 6897-0102, TT917 -art. no. 3017-0104, TT917TX - art. no. 2598-0103, TTMD74 -art. no. 14403-0103, TTDB28 - art. no. 15144-0104.
- Drawer 7.** TTX2032 - art. no. 6891-0108, TT1236 - art. no. 2756-0101, TT6508R - art. no. 10973-0101, TT6208 - art. no. 0390-0107, TT474-7 -art. no. 0403-0102.
- Drawer 8.** TTX3404 - art. no. 10153-0103, TTHT28 - art. no. 12825-0107, TT HEX7 - art. no. 6893-0106, TTTX7 - art. no. 6892-0107, TTTM08 - art. no. 14437-0103.
- Drawer 9.** TTX3414 - art. no. 10154-0102, TT9207 - art. no. 13246-0106, TT9120D - art. no. 14384-0106, TTID20 - art. no. 10210-0104 and 12864-0109.

| | |
|-----------------------|--|
| Art. no. | |
| Teng Tools | |
| No of parts..... | |
| Weight | |

| |
|--------------|
| 15133 |
| No |
| e.a. |
| kg |

| |
|--------------|
| -0107 |
| TCMMIND08 |
| 569 |
| 198 |



Tool sets



Teng Tools. Type Mega Master. Tool sets placed in tool trolley TCW707, tool boxes TC703 and TC706F. TCMM479 contains the same tools as TCMM600 except the tools on the tool panel and in the drawers 4 and 5 in the tool trolley.

Top drawer 1 contains sets TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1217 - art. no. 0357-0207, TT1205 - art. no. 0357-0109.

Top drawer 2 contains sets TT1236 - art. no. 2756-0101, TT917 - art. no. 3017-0104, TT440 - art. no. 4428-0105, TVALU - art. no. 0389-0100.

Top drawer 3 contains standard tools such as measuring tape, universal pliers, pipe cutter, ball peen hammer, soft face hammer, small and large hacksaw frames with blades, adjustable wrenches, utility knife, bolt cutter, spark plug plier, spark plug thread cleanders and impact screwdriver.

Middle drawer 1 contains sets TTXEXT13 - art. no. 10621-0107, TTX918 - art. no. 6897-0102.

Middle drawer 2 contains set TTOS16 - art. no. 0396-0101, TTTEX7 - art. no. 6893-0106, TTX7 - art. no. 6892-0107, TTM16 - art. no. 10445-0101.

Middle drawer 3 contains sets TT917TX - art. no. 2598-0103, TT474-7 - art. no. 0403-0102, TTTEX23 - art. no. 6885-0106, TTTX23 - art. no. 6886-0105.

Drawer 1 for the tool trolley contains sets TT804 - art. no.0398-0109, TTSN11- art. no. 6934-0107, TTX2032 - art. no. 6891-0108 as well as impact driver, circuit tester, thread cleaning tool, hexagon and TX keys, flexible lamp, vernier caliper and steel rule.

Drawer 2 for the tool trolley contains set TT9116 - art. no. 6880-0101, TTHR81 - art. no. 6921-0102, TTPC09 art. no. 6922-0101, TTDD17 - art. no. 6919-0106, TTX1292 art. no. 7319-0100 and swivel handle 1/2".

Drawer 3 for the tool trolley contains set of 3 prybars and 4 different pairs of welding grips.

Drawer 4 for the tool trolley contains sets TVALU - art. no. 0389-0100, TT3592 - art. no. 5805-0303, TT1215AF - art. no. 0357-0306, TTAF32 - art. no. 6861-0104, TTX2640 - art. no. 6891-0207 as well as a hex key set.

Drawer 5 for the tool trolley contains sets TTX3404 - art. no. 10153-0103, TTX3414 - art. no. 10154-0102, and TTX34AF - art. no. 10154-0201.

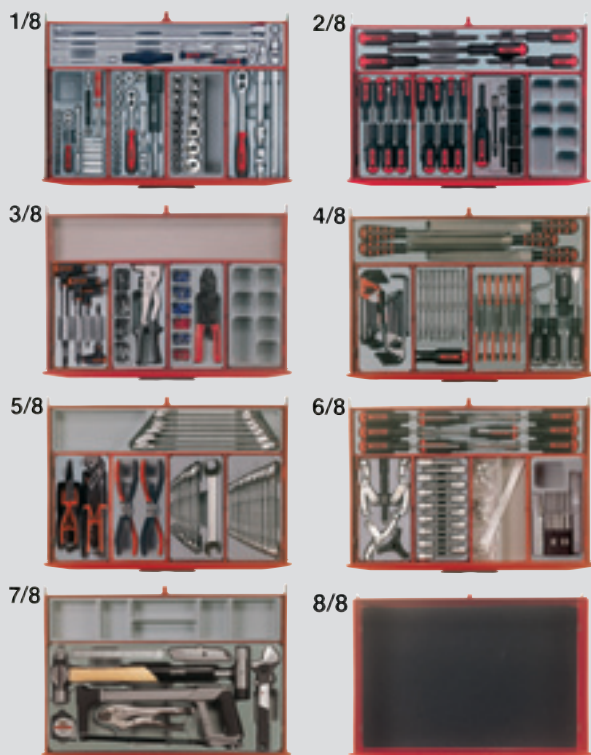
Side plate for the tool trolley contains - 10 tool hooks, water pump pliers 16", bolt cutters 24", water pump pliers 18", adjustable wrench 24", magnetic tool holder and a magnetic bowl.

| Art. no. | 9480 | -0109 | -0208 |
|------------------|------|---------|---------|
| Teng Tools | No | TCMM600 | TCMM479 |
| Weight | kg | 208 | 161 |

Tool Storage

Tool sets

Teng Tools



Teng Tools. Complete tool set of 546 pieces. Supplied in tool trolley TCW808N. The tool trolley features 8 extending drawers mounted on ball-bearing slides.

The following TT and TTX sets are included:

Drawer 1: TT1205 - art. no 0357-0108, TT1217-6 - art. no. 0357-0256, TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TTXEXT13 - art. no. 6887-0104.

Drawer 2: TT01 - art. no. 0416-0206, TT917 - art. no. 3017-0104, TT917TX - art. no. 2598-0103, TTMD74 - art. no. 14403-0103, TTXMDT - art. no. 10213-0101

Drawer 3: TT01 - art. no. 0416-0206, TTCP121 - art. no. 11038-0102, TTHERX7 - art. no. 6893-0106, TTHR81 - art. no. 6921-0102, TTX00 - art. no. 10945-0106.

Drawer 4: TTHT28 - art. no. 12825-0107, TTMD12D - art. no. 12865-0108, TTNF12 - art. no.12843-0105, TTSR04 - art. no. 11769-0107, TTXF05 - art. no. 12844-0104.

Drawer 5: TT1236 - art. no. 2756-0101, TT440-T - art. no. 10982-0101, TT474-7 - art. no. 0403-0102, TT6208 - art. no. 0390-0107, TTX2032 - art. no. 6891-0108.

Drawer 6: TT804 - art. no. 0398-0109, TTALU - art. no. 0389-0100 TTPOC9 - art. no. 6922-0101, TTTXH15 - art. no. 11889-0102, TTXMDN - art. no. 11459-0102.

Drawer 7: TTPSO9 - art. no. 11706-0103, TTX01 - art. no. 10945-0106.

Drawer 8: Empty.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 13173 | -0103 |
| Teng Tools | No | TCMM546N |
| No. of pieces..... | ea. | 546 |
| Weight | kg | 116.5 |

Tool sets



Teng Tools. A comprehensive 530 piece tool kit with all the tools laid out in two-colour pre-cut EVA foam wich clearly shows if any tools are not in their correct place. Supplied in the Teng Tools TC805NFX full depth drawer top box and TCW807N 7 drawer roller cabinet, all with ball bearing slides.

Containing the following TTE-sets:

0 Top storage of the top box TTEVG11 - artno 16176-0103.

Top drawer 1. TTEX23 - artno 16681-0101

Top drawer 2. TTEMB17 - artno 16172-0107.

Top drawer 3. T TESP37 - artno 16174-0105.

Top drawer 4. TTESP31 - artno 16175-0104.

Top drawer 5. TTEMD122 - artno 16171-0108.

Drawer 1 in the roller cabinet TTESK86 - artno 16168-0103.

Drawer 2 in the roller cabinet TTESK63 - artno 16167-0104.

Drawer 3 in the roller cabinet TTESK 32 - artno 16173-0106.

Drawer 4 in the roller cabinet TTEISK73 - artno 16169-0102.

Drawer 5 in the roller cabinet TTEISK33 - artno 16170-0109.

LDrawer 1 in the roller cabinet empty.

| | |
|-----------------------|--|
| Art. no. | |
| Teng Tools | |
| Number of parts | |
| Weight | |

| |
|--------------|
| 16678 |
| No |
| ea. |
| kg |

| |
|--------------|
| -0106 |
| TCMMEE09A |
| 530 |
| 158 |

Tool Storage

Tool sets



Teng Tools. Complete tool set containing 569 parts delivered in Teng Tools top box TC806SV, middle box TC803SV and roller cabinet TCW807SV.

The following TT- and TTX-sets are included:

Top box drawers 1-3. Empty.

Top box drawer 4. TTDCT05 - art. no. 14402-0104, TT440 - art. no. 4428-0105, TTVG05 - art. no. 12248-0106.

Top box drawer 5. TTPC09 - art. no. 6922-0101, TTCP121 - art. no. 11038-0102, TTDTD34 - art. no. 16719-0107.

Top box drawer 6. TTPC09 - art. no. 10621-0107.

Middle box drawer 1. TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1211 - art. no. 12209-0103, TT1218 - art. no. 3918-0104.

Middle box drawer 2. TT03 - art. no. 16179-0209, TT04 - art. no. 16179-0308, TTD00 - art. no. 16180-0107.

Middle box drawer 3. Empty.

Drawer 1 in roller cabinet. TTD01 - art. no. 16180-0206, TTD02 - art. no. 16180-0305, TTX03 - art. no. 16178-0200.

Drawer 2 in roller cabinet. TT1236 - art. no. 2756-0101, TT6208 - art. no. 0390-0107, TTHEX7 - art. no. 6893-0106, TTTX7 - art. no. 6892-0107, TTX2032 - art. no. 6891-0108.

Drawer 3 in roller cabinet. TTDB34 - art. no. 15144-0104, TT00 - art. no. 0416-0107, TTHR81 - art. no. 6921-0102, TTTM08 - art. no. 14437-0103, TTXF05 - art. no. 12844-0104.

Drawer 4 in roller cabinet. TTMD74 - art. no. 14403-0103, TT917 - art. no. 3017-0104, TT917TX - art. no. 2598-0103, TTHT28 - 12825-0107, TT918 - art. no. 6897-0102.

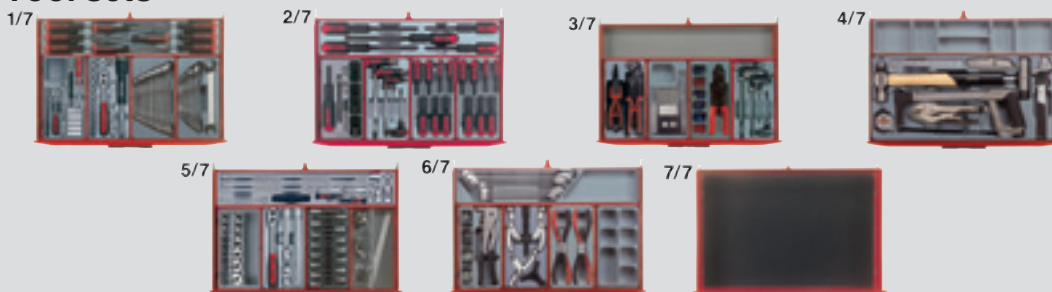
Drawers 5-7 in roller cabinet. Empty.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 16783 | -0108 |
| Teng Tools..... | No | TCMM569SV |
| Number of parts..... | ea. | 569 |
| Weight..... | kg | 130 |

Teng Tools



Tool sets



Teng Tools. Complete tool set of 491 pieces. Supplied in tool trolley TCW807N. The trolley has 7 extending drawers fitted with ball bearing slides.

The following TT and TTX sets are included.

Drawer 1: TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1236 - art. no. 2756-0101, TT6208 - art. no. 0390-0107, TTXMDN - art. no. 11459-0102.

Drawer 2: TT917 - art. no. 3017-0104, TT917TX - art. no. 2598-0103, TTTHX7 - art. no. 6863-0106, TTMD50 - art. no. 10216-0108, TTXMDT - art. no. 10213-0101.

Drawer 3: TT440-T - art. no. 10982-0101, TTPOC9 - art. no. 6922-0101, TTCP121 - art. no. 11038-0102, TTTX7 - art. no. 6892-0107, TTX00 - art. no. 10103-0203.

Drawer 4: TTPOC9 - art. no. 10621-0107, TTX01 - art. no. 10945-0106.

Drawer 5: TT1217-6 - 0357-0207, TT1205 - art. no. 0357-0108, TTTXH15 - art. no. 11889-0102, TTALU - art. no. 0389-0100, TTXEXT13 - art. no. 6887-0104.

Drawer 6: TTHR81 - art. no. 6921-0102, TT804 - art. no. 0389-0109, TT474-7 - art. no. 0403-0102, TT01 - art. no. 0416-0206, TTX2032 - art. no. 6891-0108.

Drawer 7: Empty.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12240 | -0104 |
| Teng Tools | No | TCMM491N |
| No. of pieces | | 491 |
| Weight | kg | 100 |

Teng Tools. Set of 187 pieces - containing sockets, socket tools, spanners and bits stored in a sheet metal tool box with foam mat in the box's lower compartment and with rubber feet. Removable insert tray made of plastic. The sockets are housed using clips on two removable aluminium panels. The tools are made of chrome vanadium steel and satin finish.



| | | |
|--|-------------|---------------------------|
| Art. no. | 3588 | -0103 |
| Teng Tools | No | TC187 |
| No. of pieces | ea. | 187 |
| 6 point sockets 1/4", short (10) | mm | 4 5 5.5 6 7 |
| | | 8 10 11 12 13 |
| 6 point sockets 1/4", deep (6) | mm | 6 7 8 10 12 13 |
| 6 point sockets 3/8", short (14) | mm | 8 9 10 11 12 13 14 |
| | | 15 16 17 18 19 21 22 |
| 12 point sockets 1/2", short (16) | mm | 10 11 12 13 14 15 16 17 |
| | | 18 19 21 22 24 27 30 32 |
| Socket clips 1/4" | st | 30 |
| Socket clips 3/8" | st | 30 |
| Socket clips 1/2" | st | 30 |
| Bits 1/4"-drive: | | |
| Bits for Torx heads (8) | TX | 8 10 15 20 25 27 30 40 |
| Bits for int. hex holes (7) | mm | 3 4 5 6 7 8 10 |
| Bits for Phillips heads (2) | Nr | 1 2 |
| Bits for Pozidriv heads (2) | Nr | 1 2 |
| Bits for slotted heads (3) | mm | 0.8x4.0 1.2x5.5 1.4x7 |
| Ratchet heads (3) | tum | 1/4 3/8 1/2 |
| Universal joints (3) | tum | 1/4 3/8 1/2 |
| Extension bars 1/4 (2) | mm | 50 100 |
| Extension bar 3/8 | mm | 150 |
| Extension bars 1/2 (2) | mm | 75 150 |
| Reduction adaptor | tum | 3/8-1/4 1/2-3/8 |
| Step up adaptor | tum | 3/8-1/2 |
| Bit sockets 1/4, 3/8 (2) | tum | 3/8-1/4 |
| Combination spanners (9) | mm | 8 10 11 12 13 14 15 17 19 |
| Holder ring for combination spanners | st | 1 |
| Hex keys (3) | mm | 1.5 2 2.5 |
| Weight | kg | 11 |

| | | |
|-------------------------------------|-------------|--------------|
| Tool box without tools | 3588 | -0202 |
| Teng Tools | No | TC450 |



3572/TC8140NF



Tool sets

Teng Tools. Tool set for technicians. Tool box with 6 extending drawers and a removable top drawer. Lockable lock/front which covers the extending drawers. Heavy-duty carrying handles at the ends.

In addition, includes 8 TC trays with tools (see the following description).

TT1435. 1/4" socket set, see 0349-0109.

TT3819. 3/8" socket set, see 0352-0103.

TT1217. 1/2" socket set, see 0357-0207.

TT1205. Ratchet handle set 1/2" see 0357-0108.

TT1236. 8 Combination spanners in mm-sizes, see 2756-0101.

TT917. Screwdriver set of 7 screwdrivers, see 3017-0104.

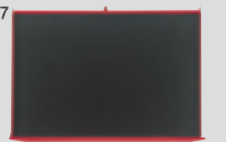
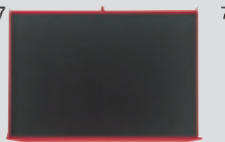
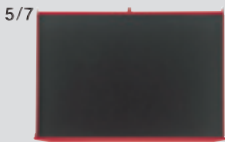
TT440. Set of pliers with 4 pairs of pliers, see 4428-0105.

TTALU. 2 aluminium sections and 10 socket clips for 1/4", 3/8", 1/2" see 0389-0100 TC modules, see page 0000.

Tool sets TC8131NF and TC8140NF with drawers on ball-bearing slides (V-drawer TC806NF).

Set TC8140F also contains the sets 1-8, and a 9-part set (TTPS09) with two adjustable wrenches, slip joint pliers, one universal knife, one hacksaw, one soft face hammer, a measuring tape, a steel rule and a ball hammer.

| <i>V-set with drawers on ball-bearing slides . . .</i> | | 3572 | -0606 | -0705 |
|--|----|-------------|--------------|--------------|
| Teng Tools | No | TC8131NF | TC8140NF | |
| Width | mm | 660 | 660 | |
| Depth | mm | 305 | 305 | |
| Height | mm | 380 | 380 | |
| Weight incl. tools | kg | 42.6 | 46.4 | |



Teng Tools. Tool set containing 277 parts. LSupplied in roller cabinet TCW807SV. The roller cabinet has 7ball bearing drawers.

The following TT- and TTX-sets are included:

Drawer 1. TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1211 - art. no. 12209-0103, TT1218 - art. no. 3918-0104, TTXEXT13 - aart. no. 6887-0104.

Drawer 2. TT1236 - art. no. 2756-0101, TT6208 - art. no. 0390-0107, TTHEX7 - art. no. 6893-0106, TTX7 - art. no. 6892-0107, TTX2032 - art. no. 6891-0108.

Drawer 3. TT440 - art. no. 4428-0105, TTVG05 - art. no. 12248-0106, TTDCT05 - art. no. 14402-0104, TTX1292 - art. no. 7319-0100.

Drawer 4. TTMD74 - art. no. 14403-0103, TT917 - art. no. 3017-0104, TT917TX - art. no. 2598-0103, TTHT28 - art. no. 12825-0107, TTX918 - art. no. 6897-0102.

| | | |
|---------------------------|--------------|--------------|
| Art. no. | 16784 | -0107 |
| Teng Tools | No | TCMM277SV |
| Number of parts | ea. | 277 |
| Weight | kg | 84 |



Tool sets

1/5



2/5



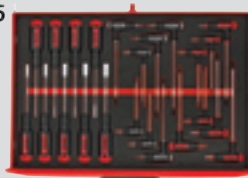
3/5



4/5



5/5



Teng Tools. A comprehensive 280 piece tool kit with all the tools laid out in the two-colour pre-cut EVA foam which clearly shows if any tools are not in their correct place. Supplied in the Teng Tools TC805NFX full depth 5 drawer top box with ball bearing slides.

Containing the following EVA-sets:

Drawer 1. TTESK86 - artno 16168-0103.

Drawer 2. TTEMMD122 - artno 16171-0108.

Drawer 3. TTESP31 - artno 16175-0104.

Drawer 4. TTEMB17 - artno 16172-0107.

Drawer 5. TTEX23 - artno 16681-0101.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 16679 | -0105 |
| Teng Tools..... | N | TCMME09B |
| Number of parts..... | ea. | 280 |
| Weight..... | kg | 69 |



Teng Tools

1/7



2/7



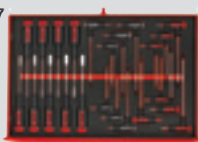
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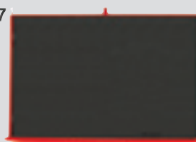
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5/7



6/7



7/7



Teng Tools. A comprehensive 280 piece tool kit with all the tools laid out in the two-colour pre-cut EVA foam which clearly shows if any tools not are in their correct place. Supplied in the Teng Tools TCW807N 7 drawer roller cabinet with ball bearing slides. Containing the following TTE-sets:

Drawer 1. TTESK86 - artno 16168-0103.

Drawer 2. TTEMMD122 - artno 16171-0108.

Drawer 3. TTESP31 - artno 16175-0104.

Drawer 4. TTEMB17 - artno 16172-0107.

Drawer 5. TTEX23 - artno 16681-0101.

Drawer 6. Empty.

Drawer 7. Empty.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 16680 | -0102 |
| Teng Tools..... | No | TCMME09C |
| Number of parts..... | ea. | 280 |
| Weight..... | kg | 89 |



Tool Boxes

8 series tool boxes

The Teng Tools 8 series range of tool boxes has been developed to meet the high demands of quality conscious professional users all over the world. No detail has been ignored in order to create top quality tool boxes and roller cabinets. The range includes five top boxes, a middle box and seven different roller cabinets and they can all be used with the Teng Tools tool storage system with over 100 different tool trays.

- All top and middle box side handles are rubber dipped to give a more comfortable grip when carrying the box around.
- All roller cabinets are fitted with a side handle for easier movement and the handles have a soft grip to make it more comfortable to use.
- All Teng Tools tool boxes are made from heavy gauge, top quality steel for longer life and stability and are powder coat painted with a five step rust prevention and undercoat to prolong the life of the paint finish.
- All Teng Tools roller cabinets are fitted with 5" heavy duty soft wheels to make them easier to move around. The wheels are on the corners with a U form wheel base for added strength and stability.
- All drawers are fitted with a three step ball bearing slide system so that the drawers open smoothly but also so that they fully extend so that access to the tools is much easier.
- The construction method used gives a drawer capacity for top boxes and middle boxes of 20 kilos and 25/30/40 kilos for the roller cabinet drawers.
- EVA mats included for all drawers to minimise scratching, etc.
- Improved locking system for added security now with combination locks.
- All the drop front top boxes feature the Teng Tools eyes logo to make the tool box more distinctive and eye catching.
- A full range of accessories including side tables and cabinets, drawer dividers and parts trays.
- Now also a stripped version of roller cabinet, middle box and top box with the same high Teng Tools quality but less features.



Tool Storage

Tool sets

Typically Teng

The unique range of Teng Tools TC tool trays feature hinged click lock lids which are easily removable to reveal dove tail joints that enable different TC trays to be locked together and used as trays in Teng Tools boxes and roller cabinets.

The complete master kits and starter kits featured in this section of the catalogue give many different suggested options but the flexibility of the Teng Tools TC tray system means that almost any combination is possible.

With a range of 70 TC trays and 23 of the full width TTX trays plus 6 of the drawer size PS trays Teng Tools now gives you the flexibility to compile individual but highly organised tool kits using any of the Teng Tools friction slide or ball bearing slide tool boxes and cabinets.

Another example of Teng Tools commitment to developing patented, design copyright protected products that have established Teng Tools as a market leader around the world.



Build your own tool kit with Teng Tools Click and Fill

Teng Tools have developed their own unique web based computer programme to enable users and/or stockists to design their own tool kit using any combination of Teng Tools top boxes, middle boxes and roller cabinets together with any of the 70 TT trays, 6 PS trays or 23 TTX trays.

To design your own tool kit using click and fill simply visit the www.tengtools.com website and click on the click and fill icon.

The programme includes several suggested tool kits that can be changed by adding or removing tool trays to develop a tool kit to suit your own personal needs, alternatively you can start with any tool box or combination of boxes and then add the tools that you need to make your own unique combination.



Tool boxes and roller cabinets



Teng Tools. Tool box made of plastic Equipped with aluminium handle. Rubber mat in the bottom of the box and rubber feet on the underside. Intended for storage in Teng Tools top drawer. Easy to move to temporary workplaces.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11757 | -0101 |
| Teng Tools | No | TCA05 |
| Length | mm | 476 |
| Width | mm | 202 |
| Height | mm | 80 |
| Weight | kg | 0.5 |



Teng Tools. Fitted with a rubber mat in the bottom compartment of the chest, rubber feet and 2 removable socket racks of aluminium and 30 socket clips for 1/4", 3/8" and 1/2".

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 3588 | -0202 |
| Teng Tools | No | TC-450 |
| Length | mm | 450 |
| Wide | mm | 200 |
| Height | mm | 200 |
| Weight | kg | 5.5 |



Tool boxes and roller cabinets

Teng Tools. Of red lacquered steel plate. Equipped with 4 extending, drawers fitted with ball bearing slides (3 pc height: 65mm, 1 pc height 100 mm). Combination lock. Heavy-duty carrying handles at the ends. Rubber feet under the chest.

Suitable TC-trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 16744 | -0106 |
| Teng Tools | No | TC804LN |
| Max. load per drawer (evenly distributed) | kg | 40 |
| Width | mm | 1340 |
| Depth | mm | 457 |
| Height | mm | 440 |
| Weight | kg | 67 |



Teng Tools. Of red lacquered steel plate. Equipped with 4 extending, drawers fitted with ball bearing slides (height: 3 x 50 mm and 1 x 75 mm). Lockable lid (incl. removable top drawer) and drawers. Equipped with combination lock. Heavy-duty carrying handles at the ends. Rubber feet under the chest. Each extending drawer holds 4 Teng Tools TC trays.

Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 12237 | -0109 |
| Teng Tools | No | TC804N |
| Max. load per drawer (evenly distributed) | kg | 20 |
| Width | mm | 660 |
| Depth | mm | 307 |
| Height | mm | 374 |
| Weight | kg | 21 |



Teng Tools. Base model in Teng Tools high quality. Of red lacquered steel plate. Equipped with 6 extending, drawers fitted with ball bearing slides (height: 5 x 50 mm, 1 x 75 mm). Lockable lock/front which covers the top of the drawer and the extending drawers. Lock with 2 keys. Heavy-duty carrying handles at the ends.

Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 16262 | -0108 |
| Teng Tools | No | TC806SV |
| Max. load per drawer (evenly distributed) | kg | 20 |
| Drawer size (3) | mm | 170x275x50 |
| Drawer size (2) | mm | 569x275x50 |
| Drawer size (1) | mm | 569x275x75 |
| Width | mm | 660 |
| Depth | mm | 307 |
| Height | mm | 374 |
| Weight | kg | 22 |



Teng Tools. Of red lacquered steel plate. Equipped with six extending, drawers fitted with ball bearing slides (height: 5 x 50 mm 1 x 75 mm) and removable top drawer. Made of plastic with aluminium handle. Lockable lock/front which covers the top of the drawer and the extending drawers. Equipped with combination lock. Heavy-duty carrying handles at the ends.

Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 12216 | -0104 |
| Teng Tools | No | TC806NF |
| Max. load per drawer (evenly distributed) | kg | 20 |
| Drawer dimensions (3) | mm | 170x275x50 |
| Drawer dimensions (2) | mm | 569x275x50 |
| Drawer dimensions (1) | mm | 569x275x75 |
| Width | mm | 660 |
| Depth | mm | 307 |
| Height | mm | 374 |
| Weight | kg | 22 |



Tool boxes and roller cabinets



Teng Tools. Of red lacquered steel plate. Equipped with 3 extending, drawers fitted with ball bearing slides, and with removable top tray. Lockable lock/front which covers the top of the drawer and the extending drawers. Equipped with combination lock. Heavy-duty carrying handles at the ends. Suitable insert modules, see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 12846 | -0102 |
| Teng Tools | No | TC803NF |
| Max. load per drawer (evenly distributed) | kg | 20 |
| Width | mm | 660 |
| Depth | mm | 307 |
| Height | mm | 374 |
| Weight | kg | 22 |



Teng Tools. Of red lacquered steel plate. Equipped with 5 extra deep, extending drawers with ball bearing slides (height: 2 x 46 mm, 3 x 75 mm). Each drawer holds 4 TT and 1 TTX inserts. Lockable cover (incl. top drawer in plastic with aluminium handle) and boxes. Equipped with combination lock. Heavy-duty carrying handles at the ends. Rubber feet under the chest. Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 12219 | -0101 |
| Teng Tools | No | TC805NFX |
| Max. load per drawer (evenly distributed) | kg | 20 |
| Width | mm | 660 |
| Depth | mm | 455 |
| Height | mm | 483 |
| Weight | kg | 44 |



Teng Tools. Base model in Teng Tools high quality. Of red lacquered steel plate. Equipped with 3 extending, lockable drawers fitted with ball bearing slides (height: 2 x 50 mm, 1 x 75 mm). Lock with 2 keys. Heavy-duty carrying handles at the ends. Rubber feet under the chest. Each extending drawer holds 4 TT trays. Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 16682 | -0100 |
| Teng Tools | No | TC803SV |
| Max. load per drawer (evenly distributed) | kg | 20 |
| Width | mm | 660 |
| Depth | mm | 307 |
| Height | mm | 251 |
| Weight | kg | 13.8 |



Teng Tools. Of red lacquered steel plate. Equipped with 3 extending, lockable drawers fitted with ball bearing slides (height: 2 x 50 mm and 1 x 75 mm). Combination lock. Heavy-duty carrying handles at the ends. Rubber feet under the chest. Each drawer holds 4 Teng Tools TC trays. Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 12236 | -0100 |
| Teng Tools | No | TC803N |
| Max. load per drawer (evenly distributed) | kg | 20 |
| Width | mm | 660 |
| Depth | mm | 305 |
| Height | mm | 251 |
| Weight | kg | 13.8 |

Tool boxes and roller cabinets

Teng Tools. Of red lacquered steel plate. With two fixed castors and two swivel castors with brakes. Equipped with 3 extending, lockable drawers fitted with ball bearing slides, and with a lockable storage area below. Combination lock included. Suitable TC trays see page 30.



| | | |
|---|-------------|--------------|
| Tool trolley | 0345 | -0103 |
| Teng Tools | No | TCW803N |
| Drawer size (2) | mm | 572x380x75 |
| Drawer size (1) | mm | 572x380x155 |
| Max. load per drawer (evenly distributed) | kg | 25 |
| Storage area | mm | 610x420x250 |
| Trolley size | mm | 670x460x760 |
| Wheel diameter | mm | 100 |
| Weight | kg | 43.4 |
| Top lock complete | 0327 | -0204 |
| Lower lock complete | 0345 | -0509 |

Teng Tools. Made of red sheet metal. With two fixed castors and two swivel castors with brakes. Equipped with 4 extensible, bearing mounted, drawers. Combination lock included. Each drawer has a protective mat in the bottom. Heavy-duty handle for transporting the trolley. Workbench with ABS top mat equipped with small compartment. Suitable insert case, see page 30.



| | | |
|--------------------------------------|--------------|--------------|
| Art. no. | 16164 | -0107 |
| Teng Tools | No | TCW804N |
| Drawer size (3) | mm | 576x380x75 |
| Drawer size (1) | mm | 576x380x312 |
| Max. load (evenly distributed) | kg | 25 |
| Trolley size | mm | 670x460x777 |
| Wheel diameter | mm | 100 |
| Weight | kg | 49 |

Teng Tools. Of red lacquered steel plate. With two fixed castors and two swivel castors with brakes. Equipped with 6 extending, lockable drawers on ball-bearing slides (height: 5 x 75 mm, 1 x 150 mm). Combination lock included. Each drawer has a protective mat in the bottom. Workbench with ABS top mat. Heavy-duty handle for transporting the trolley. Suitable TC trays see page 30.



| | | |
|---|--------------|--------------|
| Art. no. | 12217 | -0103 |
| Teng Tools | No | TCW806N |
| Drawer size (5) | mm | 576x380x75 |
| Drawer size (1) | mm | 576x380x150 |
| Max. load per drawer (evenly distributed) | kg | 25 |
| Trolley size | mm | 670x460x812 |
| Wheel diameter | mm | 100 |
| Weight | kg | 59 |

Teng Tools. Made of red sheet metal. With two fixed castors and two swivel castors with brakes. Equipped with 6 extending, bearing mounted, drawers with combination lock. Each drawer has a protective mat in the bottom. Heavy-duty handle for transporting the trolley. Workbench with ABS top mat equipped with small compartment. Suitable insert case, see page 30.



| | | |
|--------------------------------------|--------------|--------------|
| Art. no. | 16163 | -0108 |
| Teng Tools | No | TCW806N1 |
| Drawer size (5) | mm | 576x380x75 |
| Drawer size (1) | mm | 576x380x312 |
| Max. load (evenly distributed) | kg | 25 |
| Trolley size | mm | 670x460x960 |
| Wheel diameter | mm | 100 |
| Weight | kg | 61.2 |

Tool boxes and roller cabinets



Teng Tools. Base model in Teng Tools high quality. Of red lacquered steel plate. With two fixed castors and two swivel castors with brakes. Equipped with 7 extending, lockable drawers fitted with ball bearing slides. Each drawer has a protective mat in the bottom. Transport handle for easy moving of the trolley. Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 16263 | -0107 |
| Teng Tools | No | TCW807SV |
| Max. load per drawer (evenly distributed) | kg | 25 |
| Drawer size (5) | mm | 576x380x75 |
| Drawer size (2) | mm | 576x380x150 |
| Trolley size | mm | 670x460x960 |
| Wheel diameter | mm | 125 |
| Weight | kg | 61 |



Teng Tools. Of red lacquered steel plate. With two fixed castors and two swivel castors with brakes. Equipped with 7 extending, lockable drawers fitted with ball bearing slides. Combination lock included. Each drawer has a protective mat in the bottom. Heavy-duty handle for transporting the trolley. Workbench with ABS top mat. Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 12218 | -0102 |
| Teng Tools | No | TCW807N |
| Drawer size (5) | mm | 575x380x75 |
| Drawer size (2) | mm | 575x380x150 |
| Max. load per drawer (evenly distributed) | kg | 25 |
| Trolley size | mm | 670x460x950 |
| Wheel diameter | mm | 125 |
| Weight | kg | 64 |



Teng Tools. Of red lacquered steel plate. With four swivel castors. Equipped with 8 lockable drawers fitted with ball bearing slides. Combination lock included. Each drawer has a protective mat in the bottom. Heavy-duty handle for transporting the trolley. Workbench with ABS top mat. Suitable TC trays see page 30.

| | | |
|---|--------------|--------------|
| Art. no. | 12873 | -0108 |
| Teng Tools | No | TCW808N |
| Drawer dimensions (7) | mm | 576x380x75 |
| Drawer dimensions (1) | mm | 576x380x154 |
| Max. load per drawer (evenly distributed) | kg | 25 |
| Trolley size | mm | 670x460x812 |
| Wheel diameter | mm | 125 |
| Weight | kg | 61 |

Tool boxes and roller cabinets

Teng Tools. With four swivel castors. Equipped with 10 extending, lockable drawers fitted with ball bearing slides (height: 6 x 50 mm, 3 x 75 mm 1 x 150 mm). Combination lock. Each drawer has a protective mat in the bottom. Heavy/duty handle for transporting the trolley. The work top is equipped with an ABS mat. Suitable TC trays, see page 30.



| art. no. | 12238 | -0108 |
|---|-------|-------------|
| Teng Tools | No | TCW810N |
| Drawer size (6) | mm | 576x380x50 |
| Drawer size (3) | mm | 576x380x75 |
| Drawer size (1) | mm | 576x380x150 |
| Max. load per drawer (evenly distributed) | kg | 25 |
| Trolley size LxWxH | mm | 670x460x812 |
| Wheel diameter | mm | 125 |
| Weight | kg | 69 |

Teng Tools. Of red lacquered steel plate with a wood top plate. With two fixed castors and two swivel castors with brakes. Equipped with 6 extending, lockable drawers fitted with ball bearing slides. Combination lock. Patented one drawer open at a time system. Heavy duty drawer design and extra support bar under the drawers. Suitable TC trays see page 30.



| Art. no. | 15134 | -0106 |
|---|-------|--------------|
| Teng Tools | No | TCW806LN |
| Drawer size (3) (max. load 40 kg) | mm | 1216x380x65 |
| Drawer size (1) (max. load 50 kg) | mm | 1216x380x100 |
| Drawer size (2) (max. load 60 kg) | mm | 1216x380x154 |
| Size of trolley | mm | 1358x460x770 |
| Wheel diameter | mm | 150 |
| Weight | kg | 121 |

Teng Tools. Of red lacquered steel plate with a wood top plate. With two fixed castors and two swivel castors with brakes. Equipped with 9 extending, lockable drawers fitted with ball bearing slides. Combination lock. Suitable TC trays see page 30.



| Art. no. | 15135 | -0105 |
|--|-------|--------------|
| Teng Tools | No | TCW809N |
| Låddim. (1 st) (max. belastn. 40 kg) | mm | 1215x380x124 |
| Låddim. (6 st) (max. belastn. 25 kg) | mm | 576x380x75 |
| Låddim. (2 st) (max. belastn. 25 kg) | mm | 576x380x154 |
| Vagnens storlek | mm | 1358x460x770 |
| Hjuldiameter | mm | 150 |
| Vikt | kg | 136 |

The case

- Aluminium frame and plastic body to make it strong and stable.
- Wheels are made from rubber and have a spring function to give the case a smooth ride and prevent it from sliding.
- Stainless steel telescopic handle is long enough to be comfortable and is tested to 195 kilos weight capacity.
- To keep the tools safe there is a key lock as well as a combination lock.
- Non slip rubber feet to prevent sliding or damage to paintwork.

Tool storage

- Part of the Teng Tools tool storage system and holds up to nine TC trays with three trays in each of three compartments or one compartment can be used to hold the SCPS01 set of six general purpose tools.
- Each compartment has a transparent lid to give an overview of the tools and to keep them in the right place when on the move.
- One compartment for storing loose items such as screws, nuts and other necessities you need to do your work.

A choice

- 4 suggested complete take away tool kits to suit most users.
- Case available separately so that you can choose any combination of over 100 different Teng Tools tool trays to make your own personal tool kit.



Get Organised with Teng Tools!

With quality, manoeuvrability and design in mind Teng Tools has developed a new way of organising your tools, even when you are on the move! It is called the Teng Tools Service Case and is an extension to the Teng Tools tool storage concept and a part of the patented system.



Service Cases

Tool Storage

Tool cases



Teng Tools. Cushion custom nonslip rubber feet. Numeric and key lock, stainless steel handle. Empty case which holds 3x3 pcs TT-trays.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14407 | -0109 |
| Teng Tools | No | TC-SC |
| Size | mm | 500x400x240 |
| Weight..... | kg | 7.35 |

Tool cases

Service cases



Teng Tools. Tool case TC-SC made of plastic, with nonslip rubber fee, numeric and key lock, stainless steel bar. Complete with 9 TT-sets: TT1217 - art. no. 0357-0207, TT1236 - art. no. 2756-0101, TT440-T - art. no. 10982-0101, TT917 - art. no. 3017-0104, TT917TX - art. no. 2598-0103, TT HEX7 - art. no. 6893-0106, TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1205 - art. no. 0357-0108. One empty compartment with dividers for necessities.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14429 | -0103 |
| Teng Tools | No | SC01 |
| Case size LxWxH | mm | 500x400x240 |
| Weight..... | kg | 15.75 |



Teng Tools. Tool bag TC-SC made of plastic. With code lock and key lock, Transport castors and extensible transport handle. Complete with 9 x TT-sets: TT440 - art. no. 4428-0105, TTMI16 - art. no. 10445-0101, TTCP121 - art. no. 11038-0102, TTM03 - art. no. 10946-0105, TTNF12 - art. no. 12843-0105, TTDB28 - art. no. 15144-0104, TT6508R - art. no. 10973-0101, TTHT28 - art. no. 12825-0107, TTMD12D - art. no. 12865-0108.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14439 | -0101 |
| Teng Tools | No | SC02 |
| Bag size LxWxH | mm | 500x400x240 |
| Weight..... | kg | 14.4 |

Tool Storage

Tool cases

Service cases



Teng Tools. Service case made of plastic, with nonslip rubber feet, numeric and key lock, stainless steel bar. Complete with 9 TT-sets: TT440 - art. no. 4428-0105, TTMI16 - art. no. 10445-0101, TTMD12D - art. no. 12843-0105, TT917 - art. no. 3017-0104, TT917TX - art. no. 2598-0103, TTMD74 - art. no. 14403-0103, TT1435 - art. no. 0349-0109, TTBS35 - art. no. 13215-0103, TTTM03 - art. no. 10946-0105. One empty compartment with dividers for necessities.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14440 | -0108 |
| Teng Tools | No | SC03 |
| Case size LxWxH | mm | 500x400x240 |
| Weight | kg | 14.5 |



Teng Tools. Service case made of plastic, with nonslip rubber feet, numeric and key lock, stainless steel bar. Complete with 6 pc TT-sets and a SCPS01service set: TT1236 - art. no. 2756-0101, TT917 - art. no. 3017-0104, TT440-T - art. no.10928-0101, SCPS01 - art. no. 14443-0105, TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1218 - art. no. 3918-0104. One empty compartment with dividers for necessities.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14441 | -0107 |
| Teng Tools | No | SC04 |
| Case size LxWxH | mm | 500x400x240 |
| Weight | kg | 17.66 |

Tool cases

Service cases



1/3



2/3



3/3



Teng Tools. Tool bag TC-SC made of plastic. With code lock and key lock, Transport castors and extensible transport handle. Complete with 6 x TT-sets and one SCPS01E service set: TT1236 - art. no. 2756-0101, TT917 - art. no. 3017-0104, TT440-T - art. no. 10928-0101, SCPS01E - art. no. 14444-0104, TT1435 - art. no. 0349-0109, TT3819 - art. no. 0352-0103, TT1218 - art. no. 3918-0104.

Art. no.
 Teng Tools
 Bag size LxWxH
 Weight.....

14442
 No
 mm
 kg

-0106
 SC04E
 500x400x240
 17.66

Teng Tools. PS-service tray with measuring tape MT03, hacksaw frame 701, utility knife 710, universal plier401-10, adjustable wrench 4003 and a ball pein hammer HMBP16.

Art. no.
 Teng Tools
 Case size mått LxWxH
 Weihgt

14443
 No
 mm
 kg

-0105
 SCPS01
 540x262x56
 2.5



Teng Tools. Service case containing measuring tape MT03, hacksaw 701, universal knife 710, universal pliers 401-10, adjustable wrench 4003 and pein hammer HMEG500.

Art. no.
 Teng Tools
 Case size LxWxH
 Weight.....

14444
 No
 mm
 kg

-0104
 SCPS01E
 540x262x56
 2.5



- Hinged click lock lids which are easily removable to reveal dove tail joints that enable different TC trays to be locked together and used as trays in Teng Tools tool boxes and roller cabinets.
- Sets can be used with the lids left on as a conventional boxed set of tools.
- All tools in the sets have their own individual place so lost tools can easily be identified but all the tools are available individually so lost tools can easily be replaced.
- Complete master kits and starter kits give many different suggested options but the flexibility of the Teng Tools TC tray system means that any combination is possible.
- A choice of over 80 different TC trays, double width TC trays and over 20 of the full width TTX trays plus 8 of the drawer size PS tray sets gives the flexibility to compile individual but highly organised and space efficient tool kits.
- A choice of 20 ball bearing slide tool boxes and roller cabinets or TC tray set carrying cases.
- Use any combination of trays and tool boxes to create an almost endless variety of tool kits suitable for any type of use.
- Use "Click and Fill" the unique web based tool kit design programme on www.tengtools.com to build your own tool kit on screen.

Tool Control System



Tool Box for TT Trays



Teng Tools. Empty plastic box which holds 3 insert trays (TT-trays size 265x142x50 mm). Click lock and folding handle. The underside of the case is fitted with rubber feet to prevent it from sliding.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 11464 | -0105 |
| Teng Tools | No | TC-3 |
| Outside dim. WxDxH | mm | 470x320x65 |
| Weight | kg | 1.4 |

Tool Trays

General Tool Trays



Teng Tools. Set consisting of two aluminium sections on which socket clip can be attached. Supplied in a plastic TC tray with removable cover. The bottom of the case is covered with protective mat. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--|-------------|--------------|
| Art. no. | 0389 | -0100 |
| Teng Tools | No | TTALU |
| No. of pieces | ea. | 32 |
| Length of the aluminium sections | mm | 2x260 |
| Number of 1/4" clips | | 10 |
| Number of 3/8" clips | | 10 |
| Number of 1/2" clips | | 10 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.65 |



Teng Tools. Plastic TC tray with removable lid. Protective mat in the bottom. Also contains a holder for screwdrivers and spanners. Several boxes can be interconnected lengthways. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 0416 | -0107 |
| Teng Tools | No | TT00 |
| Length | mm | 265 |
| Width | mm | 142 |
| Height | mm | 50 |
| Box size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.24 |



Teng Tools. TC tray with compartment divisions. Made of plastic with removable lid. Several boxes can be interconnected. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 0416 | -0206 |
| Teng Tools | No | TT01 |
| Length | mm | 265 |
| Width | mm | 142 |
| Height | mm | 50 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.29 |

Tool Trays

General Tool Trays



16179-0100



16179-0209



16179-0308

Teng Tools. TC trays with 2, 4 or 6 compartment divisions. Made of plastic with removable lid. Several boxes can be interconnected. Fits in Teng Tools tool boxes and tool trolleys.

| | | | | |
|-----------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 16179 | -0100 | -0209 | -0308 |
| Teng Tools..... | No | TT02 | TT03 | TT04 |
| Number of compartments..... | each | 2 | 4 | 6 |
| Case size LxWxH..... | mm | 265x142x50 | 265x142x50 | 265x142x50 |
| Weight..... | kg | 0.3 | 0.3 | 0.3 |



16180-0107



16180-0206



16180-0305

Teng Tools. Empty double TC trays with 4, 8 or 16 compartment divisions. Made of plastic with removable lid. Several boxes can be interconnected.

Fits in Teng Tools tool boxes and tool trolleys.

| | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 16180 | -0107 | -0206 | -0305 |
| Teng Tools..... | No | TTD00 | TTD01 | TTD02 |
| Number of compartment divisions..... | each | 4 | 8 | 16 |
| Case size LxWxH..... | mm | 260x280x50 | 260x280x50 | 260x280x50 |
| Weight..... | kg | 0.6 | 0.6 | 0.6 |

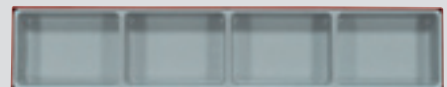
Teng Tools. Separate TC-tray made of plastic fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10103 | -0203 |
| Teng Tools..... | No | TTX00 |
| Size WxDxH..... | mm | 560x110x40 |
| Weight..... | kg | 0.3 |



Teng Tools. Separate TC tray with dividers fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10945 | -0106 |
| Teng Tools..... | No | TTX01 |
| Size WxDxH..... | mm | 560x110x40 |
| Weight..... | kg | 0.4 |



16178-0101



16178-0200

TC trays made of plastic with compartment divisions. Fits in Teng Tools tool boxes and tool trolleys.

| | | | |
|-----------------------------|--------------|--------------|--------------|
| Art. no. | 16178 | -0101 | -0200 |
| Teng Tools..... | No | TTX02 | TTX03 |
| Number of compartments..... | ea | 4 | 8 |
| Insert size LxWxH..... | mm | 560x110x40 | 560x110x40 |
| Weight..... | kg | 0.4 | 0.4 |

Tool Trays

General Tool Trays



Teng Tools. Tool set containing 9 tools: 2 adjustable wrenches, utility pliers, universal knife, hacksaw frame, soft face hammer, measuring tape, steel rule and ball pein hammer.
Supplied in TC tray suitable for Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|--------------|--------------|
| Art. no. | 10621 | -0107 |
| Teng Tools | No | TTPS09 |
| Contents: | | |
| Adjustable wrenches, length | mm | 150, 250 |
| Universal pliers, length | mm | 250 |
| Universal knife, length | mm | 160 |
| Hacksaw frame, length | mm | 300 |
| Plastic mallet, weight | g | 670 |
| Measuring tape, length | m | 3 |
| Steel rule, length | mm | 200 |
| Ball pein hammer, weight | g | 550 |
| Case size LxWxH | mm | 560x265x40 |
| Weight | kg | 4.45 |



Teng Tools. Tool set containing 9 tools: 2 adjustable wrenches, universal pliers, universal knife, hacksaw frame, soft face hammer, measuring tape, steel rule and engineer's hammer.
Supplied in TC tray suitable for Teng Tools tool boxes or tool trolleys.

| | | |
|-----------------------------------|--------------|--------------|
| Art. no. | 11706 | -0103 |
| Teng Tools | No | TTPS09E |
| Contents: | | |
| Adjustable wrenches, length | mm | 150, 250 |
| Universal pliers, length | mm | 250 |
| Universal knife, length | mm | 160 |
| Hacksaw frame, length | mm | 300 |
| Soft face hammer, weight | g | 670 |
| Measuring tape, length | m | 3 |
| Steel rule, length | mm | 200 |
| Engineer's hammer, weight | g | 800 |
| Case size LxWxH | mm | 560x265x40 |
| Weight | kg | 3.8 |

Socketry



Teng Tools. Set containing 11 short 6-point sockets, 6 long 6-point sockets, 11 screwdriver bits, ratchet handle, universal joint, 2 extension bars, 1/4" bit socket, adaptor drive 3/8"-1/4" and 1/4" screwdriver handle.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------------|-------------|--------------------------------|
| Art. no. | 0349 | -0109 |
| Teng Tools | No | TT1435 |
| No. of pieces | ea | 35 |
| Sockets, short (11) | mm | 4 5 5.5 6 7 8 9 10 11 12 13 |
| Sockets, long (6) | mm | 6 7 8 10 12 13 |
| Bits for slotted heads | mm | 0.8x4 1.2x5.5 |
| Bits for Phillips-heads | No | 1 2 |
| Bits for Pozidriv-heads | No | 1 2 |
| Bits for TX-heads | No | TPX 10 TPX 15 TPX20 |
| Bits for hex holes | mm | 5 6 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |



Teng Tools. Set containing 13 6-point sockets, ratchet handle, universal joint, extension bar 75 mm, screwdriver handle 250 mm long with 3/8" square drive at both ends, adaptor drive 1/2"-3/8" and 1/4" bit socket.

Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------|-------------|---|
| Art. no. | 0352 | -0103 |
| Teng Tools | No | TT3819 |
| Measurement system | | Millimetre |
| No. of pieces | ea | 19 |
| Sockets (13) | mm | 8 9 10 11 12 13 14 15 16 17 18 19 22 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |

Tool Trays

Socketry

Teng Tools. Set containing 16 pc 6 point deep sockets with $\frac{3}{8}$ " \square -drive. Satin finish. Supplied in plastic TC tray with removeable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-----------------------------|--------------|-------------------|
| Art. no. | 14430 | -0100 |
| Teng Tools | No | TT3816 |
| Number of sockets | qty | 16 |
| Socket size (6-point) | mm | 7 8 9 10 11 12 |
| | | 13 14 15 16 17 18 |
| | | 19 20 21 22 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.5 |

Teng Tools. Set containing $\frac{1}{4}$ " and $\frac{3}{8}$ " 6-point sockets - short and deep. Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-------------------------------------|-------------|---|
| Art. no. | 6861 | -0104 |
| Teng Tools | No | TTAF32 |
| Measurement system | | Inch |
| No. of pieces | ea. | 32 |
| Sockets $\frac{1}{4}$ " short | inch | $\frac{3}{16}$ $\frac{7}{32}$ $\frac{1}{4}$ $\frac{9}{32}$ $\frac{5}{16}$ |
| | | $1\frac{1}{32}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ |
| Sockets $\frac{1}{4}$ " deep | inch | $\frac{3}{16}$ $\frac{7}{32}$ $\frac{1}{4}$ $\frac{9}{32}$ $\frac{5}{16}$ |
| | | $1\frac{1}{32}$ $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ |
| Sockets $\frac{3}{8}$ " short | inch | $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $1\frac{1}{16}$ $\frac{3}{4}$ |
| Sockets $\frac{3}{8}$ " deep | inch | $\frac{3}{8}$ $\frac{7}{16}$ $\frac{1}{2}$ $\frac{9}{16}$ $\frac{5}{8}$ $1\frac{1}{16}$ $\frac{3}{4}$ |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.4 |

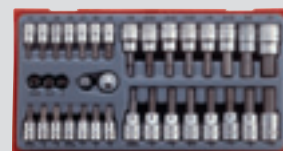
Teng Tools. 30 piece bit socket set. Consisting of adaptor drive $\frac{3}{8}$ " \square -drive, extension bar $\frac{3}{8}$ " length 75 mm and 28 socket bits for internal and external TX heads. Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-------------------------------|--------------|----------------------------------|
| Art. no. | 10214 | -0100 |
| Teng Tools | No | TTTTX30 |
| Adaptor drive | inch | $\frac{3}{8}$ "- $\frac{1}{4}$ " |
| Extension bar, length | mm | 75 |
| TX-bits $\frac{3}{8}$ " | TX- | 10 15 20 25 27 |
| | | 30 40 45 50 |
| TX-bits $\frac{3}{8}$ " | TPX- | 10 15 20 25 27 |
| | | 30 40 45 50 |
| TX-bits $\frac{3}{8}$ " | E- | 10 12 14 16 18 |
| TX-bits $\frac{1}{4}$ " | E- | 4 5 6 7 8 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |



Teng Tools. Set of 35 pieces. Contains 33 $\frac{1}{4}$ " and $\frac{3}{8}$ " bit sockets, one adaptor drive (enlarger) $\frac{1}{4}$ "- $\frac{3}{8}$ " and one adaptor drive (reducer) $\frac{3}{8}$ "- $\frac{1}{4}$ ". Supplied in plastic case with removable lid. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|---|--------------|--|
| Art. no. | 13215 | -0103 |
| Teng Tools | No | TTBS35 |
| No. of pieces | ea. | 35 |
| Bit sockets $\frac{1}{4}$ " for slotted heads | mm | 4 4.5 7 |
| for Phillips cross heads | No | 0 1 2 3 |
| for Pozidriv cross heads | No | 1 2 3 |
| for TX-heads | No | 10 15 20 25 |
| | | 27 30 40 |
| Bit sockets $\frac{3}{8}$ " for female hex head | mm | 3 4 5 5.5 6 |
| | | 7 8 10 12 |
| for female hex head | inch | $\frac{1}{8}$ $\frac{9}{32}$ $\frac{3}{16}$ $\frac{7}{32}$ |
| | | $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ |
| Case dim. LxWxH | mm | 265x142x50 |
| Weight | kg | 1.25 |

Teng Tools. Ratchet handle set containing ratchet handle reversible with lever and with locking button as well as quick release and switching sockets. Also includes universal joint and two extension bars. All with $\frac{1}{2}$ " \square -drive. The set is supplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.



| | | |
|------------------------------|-------------|--------------|
| Art. no. | 0357 | -0108 |
| Teng Tools | No | TT1205 |
| Extension bars, length | mm | 125, 250 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |

Tool Trays

Socketry



Teng Tools. Set with 10 metric bi-hexagon sockets with 1/2"-□-drive and a swivel handle. Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|----------------------------------|
| Art. no. | 12209 | -0103 |
| Teng Tools | No | TT1211 |
| Sockets' dim. | mm | 10 11 12 13 14 15 16 17 18 19 |
| Swivel handle with 1/2"-□-drive, length | mm | 250 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight | kg | 2.0 |



Teng Tools. Socket set containing 17 12 point sockets. The set is supplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.

| | | | |
|--------------------------|-------------|--|--|
| Art. no. | 0357 | -0207 | -0256 |
| Teng Tools | No | TT1217 | TT1217-6 |
| Measurement system | | Metric | Metric |
| No. of pieces | st | 17 | 17 |
| Socket system | | 12 point | 6 point |
| Sockets' dim..... | mm | 10 11 12 13 14 15 16 17 18 19 20 21 22 24 27 30 32 | 10 11 12 13 14 15 16 17 18 19 20 21 22 24 27 30 32 |
| Case size LxWxH..... | mm | 265x142x50 | 265x142x50 |
| Weight | kg | 1.65 | 1.65 |



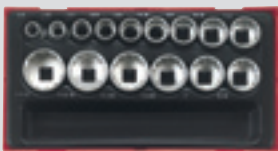
Teng Tools. Set containing 12 sockets with 12-point or 6-point openings. Also includes ratchet handle with reversing thumb lever, extension bars 62 and 150 mm, adaptor drive 3/8"-1/2" as well as a universal joint. Supplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.

| | | | |
|--------------------------|-------------|--|--|
| Art. no. | 3918 | -0104 | -0203 |
| Teng Tools | No | TT1218 | TT1218-6 |
| Measurement system | | Millimetre | Millimetre |
| Socket type | | 12-point | 6-point |
| No. of pieces | ea | 17 | 17 |
| Sockets' dim. (12) | mm | 10 11 12 13 14 15 16 17 18 19 22 24 | 10 11 12 13 14 15 16 17 18 19 22 24 |
| Case size LxWxH..... | mm | 265x142x50 | 265x142x50 |
| Weight | kg | 2.15 | 2.15 |



Teng Tools. Set of 16 pieces, mainly for tightening nuts on stud bolts. Contains sockets with 19 mm external hexagonal drive which fits the ratchet handle (the sockets have through holes) 3" extension bars, ratchet handle with 19 mm internal hex. openings, 3/8" adaptor, universal joint, and spark plug sockets 16 and 21 mm. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--|--------------|---|
| Art. no. | 14389 | -0101 |
| Teng Tools | No | TTH16 |
| Drive ext. hexagon | mm | 19 |
| Socket dimensions, 6-hexagon..... | mm | 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 |
| Extension bar, length | mm | 75 |
| Open ratchet handle with int. hex. drive | mm | 19 |
| Adaptor..... | inch | 3/8 |
| Universal joint | inch | 3/8 |
| Spark plug socket | mm | 16 and 21 |
| Insert size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 1.35 |



Teng Tools. Socket set containing 15 12 point sockets. The set is supplied in a plastic TC tray with removable cover. The case fit in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------|-------------|---|
| Art. no. | 0357 | -0306 |
| Teng Tools | No | TT1215AF |
| Measurement system | | Amerikansk AF |
| No. of pieces | | 15 |
| Sockets' dim. | inch | 3/8 7/16 1/2 9/16 5/8 11/16 13/16 3/4 15/16 1 1/16 1 1/8 1 3/16 1 1/4 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight | kg | 1.7 |

Tool Trays

Socketry

Teng Tools. Set with 3 ratchet handles. The ratchet handles have 72 teeth, are adjustable using a reversing lever and equipped with a button for locking, removing/switching sockets. Matt chromium plated. Two component handle. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-----------------------|--------------|---------------|
| Art. no. | 12821 | -0101 |
| Teng Tools | No | TT7203 |
| Drive □ | inch | 1/4, 3/8, 1/2 |
| Lengths | mm | 142, 211, 257 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |

Teng Tools. Set consisting of 20 sockets for **internal** hex holes, (short and long bits). In addition, includes 2 adaptors and a hexagon screwdriver. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|-------------|------------------|
| Art. no. | 6885 | -0106 |
| Teng Tools | No | TTHEX23 |
| Bits 10 mm ○-drive, length 40 mm | mm | 5 6 7 8 9 10 |
| Bits 12 mm ○-drive, length 40 mm | mm | 12 14 17 19 |
| Bits 10 mm ○-drive, length 75 mm | mm | 5 6 7 8 9 10 |
| Bits 12 mm ○-drive, length 75 mm | mm | 12 14 17 19 |
| Adaptor | | 1/2" □ - 10 mm ○ |
| Adaptor | | 1/2" □ - 12 mm ○ |
| Hexagon screwdriver | mm | 2.0 |
| Case size | mm | 265x142x50 |
| Weight | kg | 1.1 |

Teng Tools. Set consisting of 20 bits (short and long) for **internal** TX heads TX-system. For hand tightening. In addition, includes two adaptors and a hexagon screwdriver.



| | | |
|---------------------------------------|-------------|------------------|
| Art. no. | 6886 | -0105 |
| Teng Tools | No | TTTTX23 |
| No. of pieces | ea. | 23 |
| Bits 10 mm ○-drive length 40 mm | TX | 20 25 27 30 |
| | | 40 45 50 55 |
| Bits 12 mm ○-drive length 40 mm | TX | 60 70 |
| Bits 10 mm ○-drive length 75 mm | TX | 20 25 27 30 |
| | | 40 45 50 55 |
| Bits 12 mm ○-drive length 75 mm | TX | 60 70 |
| Bit socket | | 1/2" □ - 10 mm ○ |
| Bit socket | | 1/2" □ - 12 mm ○ |
| Hexagon screwdriver | mm | 2.0 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |

Teng Tools. Set consisting of fifteen 100 mm long bit sockets, nine for internal TX heads and six for hex type bits. Satin finish. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|----------------------------------|--------------|----------------|
| Art. no. | 11889 | -0102 |
| Teng Tools | No | TTTXH15 |
| No. of pieces | ea. | 15 |
| Sockets for int. TX heads | TX | 20 25 27 30 40 |
| | | 45 50 55 60 |
| Sockets for int. hex holes | mm | 5 6 7 8 10 12 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.4 |

Teng Tools. Set of 15 pieces. Contains 100 mm long Ribe and XZN-socket bits. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-------------------------------|--------------|----------------------------|
| Art. no. | 14388 | -0102 |
| Teng Tools | No | TTRS15 |
| Ribe-socket bits 100 mm | No | 4, 5, 6, 8, 10, 11, 12, 13 |
| XZN-socket bits 100 mm | No | 5, 6, 8, 10, 12, 14, 16 |
| Insert size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.60 |

Tool Trays

Socketry



Teng Tools. Set containing 6 extension bars (drive 1/4", 3/8" and 1/2"), universal joints 1/4", 3/8" and 1/2", adaptor 3/8"-1/4", as well as a T-handle and mini screwdrivers for hex holes (2.0 and 2.5 mm). As an accessory there is a handle for fitting to the extension bar. A short extension bar is placed in the hole as the handle on the larger. Together with these extension bars and handle T-HD a T-handle is formed. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|-------------|--------------|
| Art. no. | 6887 | -0104 |
| Teng Tools..... | No | TTXEXT13 |
| Extension bars 1/4", length..... | mm | 150 and 300 |
| Extension bars 3/8", length..... | mm | 75 and 500 |
| Extension bars 1/2", length..... | mm | 75 and 500 |
| Case size LxWxH..... | mm | 560x110x40 |
| Weight..... | kg | 2.0 |
| Separate handle T-HD | 6887 | -0203 |



Teng Tools. Set containing ratchet handle with flip reverse lever and removable ratchet head, two extension bars as well as a T-handle. All with 3/4"-drive. Supplied in TTX tray suitable for Teng Tools tool boxes and tool trolleys.

| | | |
|--|--------------|--------------|
| Art. no. | 10153 | -0103 |
| Teng Tools..... | No | TTX3404 |
| Extension bars 3/4" □-drive, length..... | mm | 200, 400 |
| Case size LxWxH..... | mm | 560x110x70 |
| Weight..... | kg | 6.1 |



Teng Tools. Set containing ratchet handle with flip reverse lever and removable ratchet head, two extension bars as well as a T-handle. All with 3/4"-drive and safety locking mechanism. Supplied in TTX tray suitable for Teng Tools tool boxes and tool trolleys.

| | | |
|--|--------------|--------------|
| Art. no. | 16741 | -0109 |
| Teng Tools..... | No. | TTX3404S |
| Extension bars 3/4" □-drive, length..... | mm | 200, 400 |
| Case size LxWxH..... | mm | 560x110x70 |
| Weight..... | kg | 6.5 |



Teng Tools. Chrome vanadium steel. Set containing 14 millimetre sockets with 6 point openings. Supplied in TC tray suitable for Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|----------------------|
| Art. no. | 10154 | -0102 |
| Teng Tools..... | No | TTX3414 |
| Size..... | mm | 19 21 22 24 27 30 32 |
| | | 33 34 36 38 41 46 50 |
| Case size LxWxH..... | mm | 560x110x40 |
| Weight..... | kg | 5.5 |



Teng Tools. Chrome vanadium steel. Set containing 14 inch sockets with 12 point openings. Supplied in TC tray suitable for Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|---|
| Art. no. | 10154 | -0201 |
| Teng Tools..... | No | TTX 34AF |
| Size..... | inch | 7/8 15/16 1 1 1/16 1 1/8 1 3/16 1 1/4 |
| | | 1 5/16 1 3/8 1 7/16 1 1/2 1 5/8 1 3/4 1 7/8 |
| Case size LxWxH..... | mm | 560x110x40 |
| Weight..... | kg | 5.5 |

Wrenches



Teng Tools. Chrome vanadium steel. Same dimension at both ends. The 12 point ring head is set at a 15° angle. Polished heads. Satin finish. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

As an accessory there is a metal ring/carrying handle that keeps the spanners together, art. no 2756-0200.

| | | |
|-----------------------|-------------|-------------------|
| Art. no. | 2756 | -0101 |
| Teng Tools..... | No | TT1236 |
| No. of keys..... | | 12 |
| Sizes..... | mm | 8 9 10 11 12 13 |
| | | 14 15 16 17 18 19 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 1.7 |

Tool Trays

Wrenches

Teng Tools. Chrome vanadium steel. Same dimension at both ends. The 12 point ring head is set at a 15° angle. Polished heads. Satin finish.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

As an accessory there is a metal ring/carrying handle that keeps the spanners together, art. no 2756-0200.



| | | |
|-----------------------|-------------|--------------------|
| Art. no. | 5805 | -0303 |
| Teng Tools | No | TT3592 |
| No. of keys | | 8 |
| Sizes | inch | 5/16 3/8 7/16 1/2 |
| | | 9/16 5/8 11/16 3/4 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.7 |

Teng Tools. Set of 7 combination spanners in metric sizes. Chrome vanadium steel. Same dimension at both ends. The 12 point ring head is angled at a 15° angle. Polished heads. Satin finish.

Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------|-------------|--------------|
| Art. no. | 6891 | -0108 |
| Teng Tools | No | TTX2032 |
| No of keys | | 7 |
| Measurement system | | Metric |
| Sizes | mm | 20 21 22 24 |
| | | 27 30 32 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 2.6 |

Teng Tools. Set of 7 combination spanners in AF sizes. Chrome vanadium steel. Same dimension at both ends. The 12 point ring head is angled at a 15° angle. Polished heads. Satin finish.

Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------|-------------|--------------------|
| Art. no. | 6891 | -0207 |
| Teng Tools | No | TTX2640 |
| No. of keys | | 7 |
| Measurement system | | AF |
| Sizes | inch | 13/16 7/8 15/16 1 |
| | | 1 1/16 1 1/8 1 1/4 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 2.6 |

Teng Tools. Set of 8 ratcheting combination spanners. Chrome vanadium steel. Combined ring/open-ended spanner and 12 point ring ratchet. Reversible ratchet function with lever. Same size at both ends.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | | |
|-----------------------|--------------|--------------|--------------------|
| Art. no. | 10973 | -0101 | -0200 |
| Teng Tools | No | TT6508R | TT6508RAF |
| No. of keys | qty | 8 | 8 |
| Sizes | mm/inch | 8 10 11 12 | 5/16 3/8 7/16 1/2 |
| | | 13 14 17 19 | 9/16 5/8 11/16 3/4 |
| Case size LxWxH | mm | 265x142x50 | 265x142x50 |
| Weight | kg | 1.1 | 1.1 |

Teng Tools. Set containing 8 ratcheting combination spanners. Chrome vanadium. Combined ring/open ended spanners with 12 point ring ratchet. Straight model. Same size at both ends. Satin finish.

Fits in Teng Tools stool boxes and roller cabinets.



| | | |
|--------------------------|--------------|--------------|
| Art. no. | 16672 | -0102 |
| Teng Tools | No | TT6508RS |
| Number of spanners | qty | 8 |
| Key sizes | mm | 8 10 11 12 |
| | | 13 14 17 19 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |

Tool Trays

Wrenches



Teng Tools. Set of 8 swivel combination ring ratchet spanners made of chrome vanadium steel. The ring end swivels 180°. Same size at both ends. Straight spanners are turned when shifting between right and left-hand action. Supplied in plastic case with removable lock. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|---------------------------|
| Art. no. | 13190 | -0102 |
| Teng Tools | No | TT6508RF |
| No. of keys | ea. | 8 |
| Sizes | mm | 8 10 11 12 13 14 17 19 |
| Case dim. LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |



Teng Tools. Stubby model. Short spanners made of chrome vanadium steel. Same dimension at both ends. The 12-point ring head is set at a 15° angle. Satin finish. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|----------------------------------|
| Art. no. | 10947 | -0104 |
| Teng Tools | No | TT6010M |
| No. of spanners | | 10 |
| Sizes | mm | 10 11 12 13 14 15 16 17 18 19 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |



Teng Tools. Chrome vanadium steel. Double, with different size 12 point sockets at each end. Manufactured according to DIN 838/ISO 3318. Satin finish. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|-------------|---|
| Art. no. | 6891 | -0157 |
| Teng Tools | No | TTX6311 |
| No. of keys | | 11 |
| Sizes | mm | 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 30x32 |
| Case size LxWxH. | mm | 560x110x60 |
| Weight | kg | 2.9 |



Teng Tools. Set of 8 double open ended spanners. Chrome vanadium steel. Polished heads. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------|-------------|--|
| Art. no. | 0390 | -0107 |
| Teng Tools | No | TT6208 |
| No. of keys | | 8 |
| Measurement system | | Metric |
| Sizes | mm | 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 |
| Case size LxWxH. | mm | 265x142x50 |
| Weight | kg | 0.8 |



Teng Tools. Chrome vanadium steel. Double, with different size 12 point sockets at each end. Satin finish. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|-------------|--------------------------------------|
| Art. no. | 7300 | -0101 |
| Teng Tools | No | TT6506 |
| No. of keys | | 6 |
| Sizes | mm | 8x9 10x11 12x13 14x15 16x17 18x19 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.57 |
| Pack | qty | 10 |



Teng Tools. Chrome vanadium steel. Double, with different size 12-point sockets at each end (6-8mm 6-point). Angled 25° towards the handle. Reversible action. Satin finish. Supplied in plastic box which fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|------------------------------------|
| Art. no. | 11670 | -0105 |
| Teng Tools | No | TTRORS |
| No. of keys | | 6 |
| Sizes | mm | 6x8 7x9 10x13 12x14 17x19 21x22 |
| Case size LxWxH. | mm | 265x142x50 |
| Weight | kg | 1.26 |



Tool Trays

Wrenches

Teng Tools. Set containing 4 adjustable wrenches. Chrome vanadium. 15° jaw angle. **With gauge.** Non protruding on the moveable jaw end gives better action when space is limited. Hole for hanging up. Phosphate finish. Two-component handle. Fits in Teng Tools tool boxes and trolley cabinets.



| | | |
|--------------------------|--------------|----------------------|
| Art. no. | 16673 | -0101 |
| Teng Tools | No | TTADJ04 |
| Number of wrenches | qty | 4 |
| Capacity | mm | 24 28 33 38 |
| Length of wrenches | mm | 150, 200 (2 pc), 250 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.37 |

Teng Tools. Set consisting of 3 combined pin/hook spanners with 3 pin adaptors and 2 spare pins in diameters 6 and 8 mm. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|----------------------------------|--------------|--------------------|
| Art. no. | 10212 | -0102 |
| Teng Tools | No | TTHP08 |
| Hook spanners for diameter | mm | 19-50 30-75 50-120 |
| Pin adaptors with pin diam. | mm | 4 5 6 |
| Separate pins diameter | mm | 6 8 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.2 |

Teng Tools. Set of 7 hex keys with T-handle. With ball point head on the long key end - which permits turning even at a 30° angle. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | | |
|-----------------------|-------------|--------------------|---|
| Art. no. | 6893 | -0106 | -0205 |
| Teng Tools | No | TTHX7 | TTHX7AF |
| No. of keys | | 7 | 7 |
| Sizes | mm/inch | 2.5 3 4 5 6 7 8 | 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16 |
| Case size LxWxH | mm | 265x142x50 | 265x142x50 |
| Weight | kg | 0.72 | 0.72 |

Teng Tools. Set of 28 pieces. Contains two hex key sets in metric and imperial sizes (1479MM and 1479AF) a TX-set (1479TX) and a 7 mm hex key with ball point. Supplied in plastic insert case with removable lock. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-------------------------------|--------------|--|
| Art. no. | 12825 | -0107 |
| Teng Tools | No | TTHT28 |
| No. of pieces | ea. | 28 |
| Hex keys 1479MM | mm | 1.5 2 2.5 3 4 5 6 8 10 |
| Hex keys 1479AF | inch | 5/64 3/32 1/8 5/32 3/16 7/32 1/4 5/16 3/8 |
| Hex key with ball point | mm | 7 |
| TX-keys 1479TX | TX | 8 9 10 15 20 25 27 30 40 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.4 |

Teng Tools. Set of 7 TX-keys with T-handle. For internal TX heads (short end also for tamper proof screws). Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|---------------------------|-------------|--|
| Art. no. | 6892 | -0107 |
| Teng Tools | No | TTTX7 |
| No. of keys | ea. | 7 |
| Key sizes | TX- | 10 15 20 25 27 30 40 |
| For max. head width | mm | 2.74 3.27 3.86 4.43 4.99 5.52 6.65 |
| For screw | M | 3-3.5 3.5-4 4-5 4 4.5-5 4.5-6 6-7 7-8 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.72 |

Tool Trays

Screwdrivers



Teng Tools. Set of 7 screwdrivers including flat as well as Phillips and Pozidriv cross-point tips. With blade of TT-MV steel. Two component handle with hanging hole. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---------------------------|-------------|--------------|
| Art. no. | 3017 | -0104 |
| Teng Tools | No | TT917 |
| Contents: 1 x MD920 | mm | 0.6x3.0x75 |
| 1 x MD922 | mm | 1.0x5.5x75 |
| 1 x MD932 | mm | 1.4x6.5x100 |
| 1 x MD940 PH | No | 0-75 |
| 1 x MD941 PH | No | 1-75 |
| 1 x MD942 PH | No | 2-100 |
| 1 x MD972 PZ | No | 2-100 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.7 |



Teng Tools. Set of 7 TX/TPX screwdrivers (2 standard TX and 5 with hole TPX). For internal TX heads. Nickel plated blades of TT-MD steel. Handle made of two component with hanging hole. Fit in Teng Tools tool boxes and tool trolleys. Supplied in a plastic TC tray with removable cover.

| | | |
|----------------------------|-------------|--------------|
| Art. no. | 2598 | -0103 |
| Teng Tools | No | TT917TX |
| Contents: 1 x MD608T | | TX 8x75 |
| 1 x MD609T | | TX 9x75 |
| 1 x MD610TP | | TPX 10x100 |
| 1 x MD615TP | | TPX 15x100 |
| 1 x MD620TP | | TPX 20x100 |
| 1 x MD625TP | | TPX 25x100 |
| 1 x MD630TP | | TPX 30x100 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.15 |



Teng Tools. Set of 12 pieces. Contains one screwdriver handle and 11 separate reversible screwdriver blades with a screwdriver tip at each end. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------|--------------|--------------------------------------|
| Art. no. | 12865 | -0108 |
| Teng Tools | No | TTMD12D |
| No. of pieces | ea. | 12 |
| Combi-blade | | PH1 x PH2 |
| Combi-blade | | flat 4.0 mm x 5.5 mm |
| Combi-blade | | PH1 x 6.5 mm flat |
| Combi-blade | | PZ1 x PZ2 |
| Combi-blade | | TX10 x TX15 |
| Combi-blade | | TX20 x TX25 |
| Combi-blade | | TX30 x TX40 |
| Combi-blade | | hex. 3 mm x 3 mm hex with ball point |
| Combi-blade | | hex. 4 mm x 4 mm hex with ball point |
| Combi-blade | | hex. 5 mm x 5 mm hex with ball point |
| Combi-blade | | hex. 6 mm x 6 mm hex with ball point |
| Insert size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.25 |

Tool Trays

Screwdrivers

Teng Tools. Set of 74 pieces. Consists of a bit ratchet screwdriver, 6" flexible extension, 4" extension bar, external square 1/4"x1/4" hexagonal external adaptor, internal square 1/4"x1/4" hexagonal internal adaptor and 69 bits. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| Art. no. | 14403 | -0103 |
|---------------------------------|-------|---|
| Teng Tools | No | TTMD74 |
| Bits for slotted heads | mm | 0.6x3.5, 0.6x4.5, 0.8x4.0, 0.8x5.5, 1.0x5.5, 1.2x5.0, 1.2x6.5, 1.4x7.0, 1.6x8.0 |
| Bits for Phillips heads | No | 1 (4), 2 (7), 3 (1) |
| Bits for Pozidriv heads | No | 1 (4), 2 (7), 3 (1) |
| Bits for hex holes | mm | 2, 3, 4, 5, 6, 8 |
| Bits for TX-heads | No | 6, 7, 8, 9, 10, 15, 20 (3), 25 (x 3), 27, 30, 40 |
| Bits for TPX-slot | No | 10, 15, 20 (2), 25 (2), 27, 30, 40 |
| Bits for square recessed heads | No | 1, 2, 3 |
| Bits for Grabber crosspoint tip | No | 2 (3) |
| Insert size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.74 |

Teng Tools. Set consisting of 12 mini screwdrivers and 4 mini-pliers. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| Art. no. | 10445 | -0101 |
|--------------------------------|-------|------------|
| Teng Tools | No | TTMI16 |
| Contents: | | |
| Screwdriver MDM 713 | mm | 2.0x40 |
| Screwdriver MDM714 | mm | 2.4x40 |
| Screwdriver MDM715 | mm | 3.0x40 |
| Screwdriver MDM716 Phillips | No | 00x40 |
| Screwdriver MDM 717Phillips | No | 0x40 |
| Screwdriver MDM718 Phillips | No | 1x40 |
| Screwdriver MDM806TX | No | TX 6 |
| Screwdriver MDM807TX | No | TX 7 |
| Screwdriver MDM808TX | No | TX 8 |
| Screwdriver MDM809TX | No | TX 9 |
| Screwdriver MDM810TX | No | TX 10 |
| Screwdriver MDM815TX | No | TX 15 |
| End cutter MBM449 length | mm | 114 |
| Side cutters MBM441 length | mm | 125 |
| Flat nose pliers MBM461 length | mm | 125 |
| Flat nose pliers MBM464 length | mm | 125 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.65 |

Teng Tools. Set of 8 screwdrivers of which are 2 Stubby-screwdrivers. Blade of TT-MV steel. Two component handle with hanging hole. Fits in Teng Tools tool boxes and tool trolleys.



| Art. no. | 6897 | -0102 |
|----------------------------|------|------------|
| Teng Tools | No | TTX918 |
| Contents: | | |
| Screwdriver MD928 | mm | 6.5x38 |
| Screwdriver MD921 | mm | 3.0x100 |
| Screwdriver MD923 | mm | 5.5x150 |
| Screwdriver MD933 | mm | 6.5x150 |
| Screwdriver MD934 | mm | 8.0x150 |
| Screwdriver MD935 | mm | 10x200 |
| Screwdriver MD948 Phillips | No | 2x38 |
| Screwdriver MD953 Phillips | No | 3x150 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 1.0 |

Tool Trays

Screwdrivers



Teng Tools. Set containing 5 screwdrivers for slotted heads and Phillips heads. With hexagonal through blade. Two component handle. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------------------|--------------|-------------------------------------|
| Art. no. | 10213 | -0101 |
| Teng Tools | No | TTXMDT |
| Driver thick.xwidthxblade leng. | mm | 1.4x6.5x100 1.4x8x150 1.4x10x200 |
| Phillips head x blade leng. | No | 2x100 3x150 |
| Case size LxWxH | mm | 560x110x40 |
| Weight..... | kg | 1.27 |



Teng Tools. 9 nut drivers with chrome vanadium steel blade. 6 point opening. 2 colour ergonomically designed two component handle with hanging hole.

Supplied in plastic box which fits in Teng Tools tool boxes and tool trolleys.

| | | |
|------------------------------------|--------------|----------------------------|
| Art. no. | 11459 | -0102 |
| Teng Tools | No | TTXMDN |
| Sizes | mm | 5 5.5 6 7 8 10 11 12 13 |
| Total length of screwdrivers | mm | 245 |
| Insert size..... | mm | 560x110x40 |
| Weight..... | kg | 1.6 |

Pliers



Teng Tools. Set of 4 pliers: water pump pliers, combination pliers, side cutters and flat nose pliers. Made of chrome vanadium steel. Plastic covered handles.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------|-------------|--------------|
| Art. no. | 4428 | -0105 |
| Teng Tools | No | TT440 |
| Contents: | | |
| Water pump pliers 10" | No | MB481 |
| Combination pliers 7" | No | MB451 |
| Sied cutters 6" | No | MB441 |
| Flat nose pliers 8" | No | MB462 |
| Case size LxWxH | mm | 265x142x50 |
| Weight..... | kg | 1.1 |



Teng Tools. Set of 4 pliers, water pump pliers, combination pliers, side cutters and flat nose pliers. Made of chrome vanadium steel. With ergonomically designed two component handle sleeves.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 10982 | -0101 |
| Teng Tools | No | TT440-T |
| Contents: | | |
| Water pump pliers 10" | No | MB481-10T |
| Combination pliers 7" | No | MB452-7T |
| Side cutters 6" | No | MB441-6T |
| Flat nose pliers 8" | No | MB461-8T |
| Case size LxWxH | mm | 265x142x50 |
| Weight..... | kg | 1.1 |



Teng Tools. Set of 5 pieces. Containing two pairs of tin snips, universal knife, snips and cable pliers.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 14402 | -0104 |
| Teng Tools | No | TTDCT05 |
| Contents: | | |
| Tin snips straight/right | No | 491 |
| Tin snips straight/left..... | No | 492 |
| Universal knife | No | 701N |
| Electrician's snips | No | 497 |
| Cable pliers | No | 496 |
| Case size LxWxH | mm | 265x280x50 |
| Weight..... | mm | 2.06 |

Tool Trays

Pliers

Teng Tools. Set of five self-locking pliers with release lever. Three with serrated, adjustable jaws with pipe grip and cutters and two with extra narrow, long jaws with smooth grip and cutter.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-------------------------------------|--------------|---------------|
| Art. no. | 12248 | -0106 |
| Teng Tools | No | TTVG05 |
| Universal pliers 401, lengths | mm | 100, 175, 250 |
| Universal pliers 404, lengths | mm | 100, 150 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.5 |

Teng Tools. Set consisting of 4 circlip pliers (2 straight tip and 2 bent tip pliers for internal and external circlips). Fitted with return spring.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|--------------|--------------|
| Art. no. | 11252 | -0101 |
| Teng Tools | No | TT474-5 |
| Circlip pliers straight internal | mm | 10-25 |
| Circlip pliers bent internal | mm | 10-25 |
| Circlip pliers straight external | mm | 10-25 |
| Circlip pliers bent external | mm | 10-25 |
| Length of pliers | mm | 125 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.5 |

Teng Tools. Set consisting of 4 circlip pliers (2 straight tip and 2 bent tip pliers for internal and external circlips). Fitted with return spring.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|-------------|--------------|
| Art. no. | 0403 | -0102 |
| Teng Tools | No | TT474-7 |
| Circlip pliers straight internal | mm | 12-65 |
| Circlip pliers bent internal | mm | 12-65 |
| Circlip pliers straight external | mm | 12-65 |
| Circlip pliers bent external | mm | 12-65 |
| Length of pliers | mm | 175 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |

Teng Tools. Set consisting of 4 circlip pliers (2 straight tip and 2 bent tip pliers for internal and external circlips). Fitted with return spring.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|--------------|--------------|
| Art. no. | 11270 | -0109 |
| Teng Tools | No | TTX474-9 |
| Circlip pliers straight int. clips | mm | 32-80 |
| Circlip pliers bent int. clips | mm | 32-80 |
| Circlip pliers straight ext. clips | mm | 32-80 |
| Circlip pliers bent ext. clips | mm | 32-80 |
| Length of pliers | mm | 225 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 1.5 |

Teng Tools. Set containing c clamp, welding, sheet metal and 6" long nose power grip pliers.

Supplied in PS-tray suitable for Teng Tools tool boxes and tool trolleys.



| | | |
|------------------------------------|--------------|--------------|
| Art. no. | 10623 | -0105 |
| Teng Tools | No | TTPSPG |
| Contents: | | |
| Welding grip 406, length | mm | 250 |
| Welding grip 407, length | mm | 225 |
| Universal pliers 408, length | mm | 200 |
| Universal pliers 404, length | mm | 160 |
| Case size LxWxH | mm | 560x265x40 |
| Weight | kg | 2.32 |

Tool Trays

Torque Tools



Teng Tools. The set includes one torque screwdriver, 1/4" extension bar 100 mm, bit holder and 36 different bits. Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.

| Art. no. | 12250 | -0101 |
|-----------------------------------|-------|-------------------------------|
| Teng Tools | No | TTSD39 |
| Torque screwdriver 1/4" for | Nm | 1-5 |
| Extension bar 1/4" | mm | 100 |
| Bits for slotted heads | mm | 0.5x3 0.6x4.5 0.8x5.5 1.2x6.5 |
| Bits for Phillips heads | No | 0 1 2 3 |
| Bits for Pozidriv-heads | No | 0 1 2 3 |
| Bits for TX-heads | TX | 8 9 10 15 20 |
| | | 25 27 30 40 |
| Bits for TX-heads | TPX | 10 15 20 30 40 |
| Bits for Robertson heads | No | 0 1 2 3 |
| Bits for Grabber heads PH | No | 2 (2) |
| Bits for hex holes | mm | 2 3 4 5 6 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.66 |




Teng Tools. With ratchet - by which the torque wrench can be used for both full tightening, and the final check of the tightening torque. Reversible with lever, but only right-hand action for torque checking. Equipped with angle gauge for post tightening. Graduated in Nm and lbs-foot. Lockable setting. Accuracy ± 4%. Satin finish for the torque setting to be easier to read. Degree scale for post tightening of cylinder heads, etc. Supplied in plastic case with space for sockets. Fits in Teng Tools tool boxes and tool trolleys.

| Art. no. | 7319 | -0100 |
|-----------------------------|----------|---|
| Teng Tools | No | TTX1292 |
| For tightening torque | Nm | 40-210 |
| For tightening torque | lbf-foot | 30-150 |
| Drive size | inch |  |
| Length | mm | 465 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 1.65 |



Teng Tools. Set consisting of torque wrench, 10 crow foot spanners, bit socket, 8 TX-bits and extension bars 75 and 125 mm. Individual calibration certificate enclosed. Supplied in TC tray suitable for Teng Tools tool boxes and tool trolleys.

| Art. no. | 10211 | -0104 |
|-------------------------------|-------------|---|
| Teng Tools | No | TTX3892 |
| Drive size | inch |  |
| Torque range ISO | Nm | 20-100 |
| Torque range Imperial | lbf.ft | 15-75 |
| Length of torque wrench | mm | 365 |
| Crow foot spanners | mm | 10 11 12 13 14 |
| | | 15 16 17 18 19 |
| Bits for TX heads | TX | 8 10 15 20 25 27 30 40 |
| Case size LxWxH | mm | 560x110x60 |
| Weight | kg | 0.9 |
| Repair set | 7319 | -1207 |
| Pack | qty | 10 |



Tool Trays

Torque Tools

Teng Tools. Set containing one torque multiplier and one torque wrench. The torque multiplier's input tightening torque is trebled on the output drive. The torque wrench has a 1/2" □-drive and torque range 40-210 Nm.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.




| | | |
|------------------------------|--------------|---|
| Art. no. | 12822 | -0100 |
| Teng Tools | No | TTXMP12 |
| Torque multiplier: | | |
| Max. tightening torque | Nm | 1400 |
| Input - Output drive | inch |  |
| Torque wrench: | | |
| Torque range ISO | Nm | 40-210 |
| Torque range Imperial | lbf.ft | 30-160 |
| Drive size | inch |  |
| Insert size LxWxH | mm | 560x110x60 |
| Weight | kg | 4.0 |



Teng Tools. Set of 4 torque wrenches with **preset torque**. Manufactured according to ISO 6789. Accuracy ±4%. Rubber handle. Separate wall rack supplied.

Supplied in PS insert case with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------------|--------------|---|
| Art. no. | 14386 | -0104 |
| Teng Tools | No | TTPSTQ04 |
| Quantity torque wrenches | ea | 4 |
| Drive □ | inch |  |
| Adjustable torque | Nm | 90, 110, 120, 140 |
| Torque wrench length | mm | 513 |
| Case size LxWxH | mm | 570x262x73 |
| Weight | kg | 5.8 |

Impact Tools

Teng Tools. 24 piece impact socket set. Contains 5 1/4" short sockets, 9 short sockets 3/8", 9 long sockets 3/8" and one adaptor 3/8"-1/4".

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



No 13247

| | | |
|-------------------------------------|--------------|---------------------------|
| Art. no. | 13247 | -0105 |
| Teng Tools | No | TT9024 |
| Regular sockets, 1/4" □-drive | mm | 6 7 8 10 13 |
| Regular sockets, 3/8" □-drive | mm | 8 10 11 12 13 14 16 17 19 |
| Deep sockets, 3/8" □-drive | mm | 8 10 11 12 13 14 16 17 19 |
| Adaptor | inch | 3/8-1/4 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.07 |

Tool Trays

Impact Tools



Teng Tools. Set with 15 hex impact socket bits.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|-----------------------------|
| Art. no. | 15141 | -0107 |
| Teng Tools | No. | TT9015HX |
| Socket bits with 3/8" □-drive, size | mm | 4, 5, 6, 7, 8, 10, 12 |
| Socket bits with 1/2" □-drive, size | mm | 5, 6, 8, 10, 12, 14, 17, 19 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.492 |



Teng Tools. Set of twelve 1/2" impact bits for internal TX heads.

Supplied in a plastic TC tray with removable cover that fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------|--------------|-------------------|
| Art. no. | 12813 | -0101 |
| Teng Tools | No | TT9212TX |
| No. of socket bits | ea. | 12 |
| TX-size | TX- | 10 15 20 25 27 30 |
| Case size LxWxH | mm | 40 45 50 55 60 70 |
| Weight | kg | 265x142x50 |
| | | 0.9 |



Teng Tools. 7 piece set with impact socket tools. Contains three extension bars, universal joint, 2 adaptor drives for enlargement and one for reduction. PARASupplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.

| | | |
|------------------------------|--------------|------------------|
| Art. no. | 13246 | -0106 |
| Teng Tools | No | TT9207 |
| Extension bars, length | mm | 75,125, 250 |
| Universal joint | inch | 1/2 |
| Adaptor drives | inch | 1/2-3/4, 3/8-1/2 |
| Adaptor drive | inch | 1/2-3/8 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.05 |



Teng Tools. 13 piece set with power socket tools according to ANSI standard. The tools are locked with a ball against the socket and with a locking ring and locking pin to the machine. Contains three extension rods, universal joint, 2 enlarging drives, one adapter drive, 3 locking rings and 3 locking pins.

Supplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.

| | | |
|------------------------------|--------------|--------------------------|
| Art. no. | 16068 | -0104 |
| Teng Tools | no | TT9207A |
| Extension bars, length | mm | 18 |
| Universal joint | inch | 1/2 |
| Förstoringstappar | inch | 1/2-3/4, 3/8-1/2 |
| Adaptor drive | inch | 1/2-3/8 |
| Locking rings | mm | 19x2.4, 20.2x3.5, 28x3.5 |
| Locking pins | mm | 2.5x18, 3x20, 3x28 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.15 |



Teng Tools. Set containing 16 1/2" drive impact sockets - regular and deep.

Supplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|-------------|--------------|
| Art. no. | 6880 | -0101 |
| Teng Tools | No | TT9116 |
| Drive □ | inch | 1/2 |
| Socket sizes. short sockets | mm | 13 15 16 17 |
| | | 18 19 22 24 |
| Socket sizes. deep sockets | mm | 13 15 16 17 |
| | | 18 19 22 24 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 2.2 |

Tool Trays

Impact Tools

Teng Tools. Set containing 16 impact sockets - short and long and 2 locking pins and 2 O-rings.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|----------------------------------|--------------|--------------------------------|
| Art. no. | 14384 | -0106 |
| Teng Tools..... | No | TT9120D |
| Connection bracket..... | inch | 1/2 |
| Socket sizes. short sockets..... | mm | 13, 15, 16, 17, 18, 19, 22, 24 |
| Socket sizes. long sockets..... | mm | 13, 15, 16, 17, 18, 19, 22, 24 |
| Locking pins..... | mm | 20x3.5, 25x3.5 |
| O-rings..... | mm | 3x20, 3x24 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 3.2 |

Teng Tools. Set containing 1/2" impact driver, bit socket, adaptor $\square \frac{5}{16}'' - \frac{3}{8}'' \square$ as well as 17 bits.

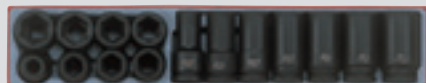
Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|----------------|---------------------------|
| Art. no. | 10210 | -0104 |
| Teng Tools..... | No | TTID20 |
| For bits with drive..... | \square inch | 5/16 |
| Bits for slotted heads..... | mm | 1.4x6 1.4x8 2.2x10 1.8x12 |
| Bits for Phillips heads..... | No | 1 2 3 4 |
| Bits for int. hex holes..... | mm | 4 5 6 8 |
| Bits for TX heads..... | TX- | 30 40 45 50 55 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 1.1 |
| Spare adaptor $\frac{3}{8}'' \square - \frac{5}{16}'' \square$ | 10210 | -0203 |
| Pack..... | qty | 10 |

Teng Tools. Set of 3/4" impact sockets - 8 regular and 7 deep as per DIN-standard.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------|--------------|-------------------------|
| Art. no. | 12208 | -0104 |
| Teng Tools..... | No | TTX9415 |
| Drive..... | inch | 3/4 |
| Short sockets, size..... | mm | 19 24 27 28 30 32 34 36 |
| Deep sockets, size..... | mm | 19 24 27 30 32 33 36 |
| Case size LxWxH..... | mm | 560x110x60 |
| Weight..... | kg | 9.0 |

Teng Tools. 16 piece set. Containing 9 3/4" drive metric 6 point regular sockets according to DIN-standard., extension bar, three retaining rings and three retaining pins.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|---------------------------|--------------|----------------------------|
| Art. nr. | 16069 | -0103 |
| Teng Tools..... | No | TTD9416 |
| Ddrive..... | \square | 3/4" |
| Impact socket sizes..... | mm | 19 24 27 30 32 33 34 36 38 |
| Extension bar..... | mm | 175 |
| Retaining rings 3 pc..... | mm | 38.0x3.5 |
| Retaining pins 2 pc..... | mm | 4.0x37 |
| Box size LxWxH..... | mm | 280x280x50 |
| Weight..... | kg | 13.0 |

Tool Trays

Insulated Tools



Teng Tools. Set of 4 insulated pliers. Manufactured according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians).

Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|--------------|
| Art. no. | 11749 | -0102 |
| Teng Tools | No | TTV440 |
| Contents: | | |
| Side cutters MBV441-6, length | mm | 150 |
| Combination pliers MBV451-7, length | mm | 175 |
| Flat nose pliers MBV461-8, length | mm | 200 |
| Stripping pliers MBV499-7, length | mm | 175 |
| Case size | mm | 265x142x50 |
| Weight | kg | 1.1 |



Teng Tools. Set including 7 insulated screwdrivers (with slotted heads, Phillips and Pozidriv/Supadriv heads) manufactured according to the standard IEC 60900 for work under voltage up to 1000 volt (by special electricians).

Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 11750 | -0108 |
| Teng Tools | No | TTV907 |
| Contents: | | |
| Screwdriver MDV820 | mm | 0.4x2.5x75 |
| Screwdriver MDV824 | mm | 0.8x4.0x100 |
| Screwdriver MDV826 | mm | 1.0x5.5x125 |
| Screwdriver MDV840 PH | No | 0-60 |
| Screwdriver MDV842 PH | No | 1-80 |
| Screwdriver MDV844 PH | No | 2-100 |
| Screwdriver MDV864 PZ | No | 2-100 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.65 |

Service Tools



Teng Tools. Set of 4 parts including a gasket scrape, two hooks and a piercer.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11769 | -0107 |
| Teng Tools | No | TTSR04 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.43 |



Teng Tools. Special designed jaws prevents internal hose linings from destruction. Light-weight easy to handle and non conductive safety.

3 sizes that fit most hose sizes.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------|--------------|-------------------------------|
| Art. no. | 11842 | -0108 |
| Teng Tools | No | TTHC03 |
| Number of clamps | | 3 |
| For hose diameter | inch | 1/4-3/4, 1/4-1 1/4, 3/4-2 1/4 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.49 |

Tool Trays

Service Tools

Teng Tools. Set of 7 specialist sockets for applications in cars (oxygen sensor socket, injector socket, vaccum switch socket, oil sender socket, heated oxygen socket and offset oxygen sensor wrench).

Supplied in a plastic TC tray with removeable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------------|--------------|--|
| Art. no. | 14434 | -0106 |
| Teng Tools | No | TTSS07 |
| Number of sockets | qty | 7 |
| Teng Tools socket number | | AT350, AT355, AT360, AT365, AT370, AT375, AT380 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 3.5 |

Teng Tools. Tool set of 5 pieces for body work. Two polyurethane hammers and three different dressing hammers.

Supplied in a plastic TC tray with removeable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|---|--------------|--------------|
| Art. no. | 12244 | -0100 |
| Teng Tools | No | TTPSAD |
| Polyurethane hammer, head diameter | mm | 35, 55 |
| Dressing hammer with straight pen | g | 325 |
| Dressing hammer with crowned face | g | 325 |
| Dressing hammer med round + sq. faces | g | 325 |
| Case size LxWxH | mm | 570x262x56 |
| Weight | kg | 2.76 |

Teng Tools. Five piece set consisting of three wheel nut sockets for domed cap nuts, tyre balancing weight pliers and a 1/2" torque wrench.

Supplied in a plastic TC tray with removeable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|--------------|--------------|
| Art. no. | 12249 | -0105 |
| Teng Tools | No | TTXW05 |
| Wheel nut sockets 1/2"-drive | mm | 17 19 21 |
| Tyre balancing weight pliers, length | mm | 245 |
| Torque wrench 1/2"-drive | Nm | 40-210 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 3.0 |

Teng Tools. Set consists of a crimping tool with three exchangeable heads for insulated and non insulated terminals and a 2.5 mm hex key.

Supplied in a plastic TC tray with removeable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|-----------------|--------------|
| Art. no. | 12247 | -0107 |
| Teng Tools | No | TTCP04 |
| Head for insulated terminals | mm ² | 0.324-5.261 |
| Head for non insulated terminals | mm ² | 0.324-3.31 |
| Head for insulated terminals | mm ² | 0.3-8 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.8 |

Tool Trays

Service Tools



Teng Tools. Set consisting of a three-legged combination puller with an extra yoke for switching to two-legged pulling. With reversible legs for internal and external grip. Manufactured of chrome vanadium steel.

Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.

| | | |
|------------------------------|-------------|--------------|
| Art. no. | 0398 | -0109 |
| Teng Tools | No | TT804 |
| Span width | mm | 130 |
| Clamping depth | mm | 100 |
| Reversible leg, length | mm | 138 |
| Spindle length | mm | 150 |
| Spindle opening | mm | 17 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.2 |



Teng Tools. Set of 3 prybars. Round, ground point at one end - flat hook shaped prybar at the other.

Supplied in TTX tray suitable for Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10069 | -0106 |
| Teng Tools | No | TTXPB3 |
| Lengths | mm | 300 400 500 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 1.75 |



Teng Tools. Set of 3 roll bars. Equipped with through blade, striking head and ergonomically designed plastic handle.

Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11786 | -0106 |
| Teng Tools | No | TTXPB3A |
| Lengths | mm | 300 450 550 |
| Case size | mm | 560x110x74 |
| Weight | kg | 1.8 |



Teng Tools. Set consisting of 6 double ended drain plug sockets, 2, 6-point spark plug sockets, 1 oil filter wrench, 2 extension bars 75 and 250mm long, adaptor drive 1/2"-3/8", 3/8" drive socket 21mm, telescopic inspection mirror with magnet and a set of feeler gauges.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|-------------|---|
| Art. no. | 0396 | -0101 |
| Teng Tools | No | TTOS16 |
| No. of pieces | | 16 |
| Size of drain plug sockets | | \square 11x12, \square 8x3/8, \square 8x10, \square 13x14, \square 17x1/2, \square 5/16x3/8 |
| Spark plug sockets 3/8" | mm | 16, 21 |
| Extension bars 3/8", length | mm | 75, 250 |
| Feeler gauge (21 blades) | mm | 0.05-1.00 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.8 |

Tool Trays

Service Tools

Teng Tools. Set consisting of crimping tool CP50 with slots for crimping red, blue and yellow terminals and cutters for bolts and wire. Also included in the assortment are 120 terminals of varying types coloured red and blue.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-------------------------------|--------------|--------------|
| Art. no. | 11038 | -0102 |
| Teng Tools | No | TTCP121 |
| Contains: crimping tool | quantity | 1 |
| terminals assorted | quantity | 120 |
| Insert size | mm | 265x142x50 |
| Weight | kg | 0.6 |

Teng Tools. Set of 11 pieces containing 5 screw extractors, 4 stud bolt extractors as well as 2 nut splitters.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|---------------------------|-------------|--------------------------|
| Art. no. | 6934 | -0107 |
| Teng Tools | No | TTSN11 |
| Contents: | | |
| Screw extractor | inch | 7/64 9/64 5/32 1/4 19/64 |
| Stud bolt extractor | mm | 6 8 10 12 |
| Nut splitter | mm | 5-20 14-27 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.3 |

Teng Tools. 17 piece set containing one tap and one die of each dimension as well as a tap wrench one diestock and a screw pitch gauge.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

Spare dies see 11683.



| | | |
|-----------------------|-------------|-----------------|
| Art. no. | 6919 | -0106 |
| Teng Tools | No | TTTD17 |
| Sizes: | | M 3 M 4 M 5 M 6 |
| | | M 8 M 10 M 12 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.8 |

Teng Tools. 34 piece tap and die set. Containing 7 sizes taps and 7 sizes dies, pitch gauge, 7 drill bits, 5 screw extractors, one mini screwdriver, adaptor, mini palm ratchet, interchangeable die chuck and two tap chucks.

Supplied in TTD tray with removeable lid. Fit in Teng Tools tool boxes and roller cabinets.



| | | |
|---------------------------------|--------------|------------------------------------|
| Art. no. | 16719 | -0107 |
| Teng Tools | No. | TTDTD34 |
| Number of parts | e.a. | 34 |
| Dies | M | 3x0.5, 4x0.7, 5x0.8, |
| | | 6x1.0, 8x1.25, 10x1.5, 12x1.75 |
| | | 3, 4, 5, 6, 8, 10, 12 |
| Taps | M | 2.5, 3.3, 4.2, 5.0, 6.8, 8.5, 10.5 |
| Drill bits | mm | 1/8, 9/16, 15/64, 5/16, 3/8 |
| Screw extractors | inch | 2.5x40 |
| Mini screwdriver, hex | mm | 3/8 - 1/4 |
| Reducing adaptor | inch | 1/4 |
| Mini palm ratchet | inch | 1/4 |
| Interchangeable die chuck | inch | 1/4 |
| Tap chucks 1/4-drive | | M3-M8, M5-M12 |
| Case size LxWxH | mm | 265x280x50 |
| Weight | kg | 1.6 |

Tool Trays

Service Tools



Teng Tools. Containing three telescopic tools - an inspection mirror, magnifying glass and magnet. All with pocket clip. Supplied in a plastic insert case with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|--------------|
| Art. no. | 10946 | -0105 |
| Teng Tools | No | TTTM03 |
| Diameter of mirror/magnifying glass | mm | 55 |
| Extendable length | mm | 590 |
| Diameter of magnet | mm | 12 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.5 |



Teng Tools. Set containing flexible and telescopic pick ups, magnifying glass, inspection mirror, flexible claw pick up, LED flash light and batteries. Supplied in plastic TC tray with removable cover. Fit in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14437 | -0103 |
| Teng Tools | No | TTTM08 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |



Teng Tools. Set containing one rivet gun with four nose bushes as well as 80 assorted rivets (20 each of 2.4, 3.2, 4.0 and 4.8 mm). Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|------------------------|-------------|-----------------|
| Art. no. | 6921 | -0102 |
| Teng Tools | No | TTHR81 |
| With nose bushes | mm | 2.4 3.2 4.0 4.8 |
| Quantity rivets | | 80 |
| Length of gun | mm | 250 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.95 |



Teng Tools. Set for Blind nuts M 3, M 4, M 5 and M 6 as well as 20 Blind nuts of each size. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|----------------------------------|--------------|--------------------|
| Art. no. | 10619 | -0101 |
| Teng Tools | No | TTNR81 |
| With nose bush for POP-nut | thread | M 3, M 4, M 5, M 6 |
| Rivet sizes (20 of each) | thread | M 3, M 4, M 5, M 6 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |



Teng Tools. Pipe/flange tool set containing 10 parts for copper brass and thin walled aluminium pipe. The pipe cutter sets pipe up to 32 mm. The flange tool draws up pipe ends to 45° on pipe diameters 4-14 mm. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--|--------------|---------------------------|
| Art. no. | 14404 | -0102 |
| Teng Tools | No | TTTF10 |
| Contents: | | |
| Pipe cutter, Capacity | mm | 3-32 |
| Flanging tool, 2 parts | mm | 3 4 5 6 8 10 |
| Flange adapters for pipe diameters | mm | 4, 4.75, 6, 8, 10, 12, 14 |
| Insert size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.7 |

Tool Trays

Service Tools

Teng Tools. Set of 5 handled medium heavy 10" hand files - flat, hand file, half round, round and three square file. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12844 | -0104 |
| Teng Tools | No | TTXF05 |
| No. of files | ea. | 5 |
| File length | mm | 250 |
| Case size LxWxH | mm | 560x110x74 |
| Weight | kg | 1.0 |

Teng Tools. Set of 12 different needle files - flat, half round, three square, square, round, warding, knife, barette, hand, oval, spring and double half round shape. Fine. Supplied in plastic insert tray. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------|--------------|--------------|
| Art. no. | 12843 | -0105 |
| Teng Tools | No | TTNF12 |
| No of needle files | ea. | 12 |
| Length | mm | 163 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.47 |

Teng Tools. Set of 28 drills 1.0-13.0 mm. Helix pitch 28°. Point angle 118°. Centre point for improved position accuracy. HSS. Polished. Ground. Standard drills for drilling steel and cast iron. DIN 338.

Contains:

3 each of 1.0 and 1.5 mm.

2 each of 2.0 and 2.5 mm.

1 each of 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 10, 11, 12, 13 mm.

Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 15144 | -0104 |
| Teng Tools | No | TTDB28 |
| Drill bit diameter (28 pc) | mm | 1.0-13.0 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.624 |

Teng Tools. Combined set containing 9 pieces - 6 parallel pin punches, 2 cold chisels and a centre punch.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|------------------------------------|-------------|--------------|
| Art. no. | 6922 | -0101 |
| Teng Tools | No | TTPC09 |
| Contents: | | |
| Punches, tip diameter | mm | 3 4 5 6 7 8 |
| Cold chisels, width | mm | 19 25 |
| Centre punch, point diameter | mm | 5 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.4 |



Tool Trays

Service Tools

Teng Tools. Set containing a cordless drilling machine and a cordless power driver incl. quick charger and an extra battery 14.4 V.

Supplied in special plastic box which fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|------------------------|
| Art. no. | 15171 | -0100 |
| Teng Tools | No | TTPSDS |
| Drilling machine: | | |
| Battery voltage/capacity | | 14.4 V / 3.0 Ah |
| Speed unloaded | rpm | H 0-1000/ L 0-350 |
| Max. torque | Nm / In-lb | H: 1.3-8.2 / 11.5-72.5 |
| | | L: 1.3-12.8/11.5-113 |
| Chuck capacity | mm | 13.0 |
| Power driver: | | |
| Battery voltage/capacity | | 14.4 V / 3.0 Ah |
| Speed unloaded | rpm | 0-2400 |
| Max. torque | Nm / In-lb | 120 / 1062 |
| Bit attachment | inch | 1/4" \square |
| Insert size LxWxH | mm | 580x274x95 |
| Box weight | kg | 5.77 |
| Pack. | sts | 2 |
| Extra battery pack. 3.0 Ah Li-ion. | | |
| Art. no. | 15155 | -1009 |
| Teng Tools | No | PRDS-BAT |
| Extra charger | | |
| Art. no. | 15155 | -1108 |
| Teng Tools | No | PRDS-CHA |
| Input voltage AC | | 100-240 V / 50-60 Hz |
| Charging time | min | 40 |
| Output voltage DC | | 16.6 V, 4 A |
| Size WxDxH | mm | 160x135x90 |
| Weight | g | 850 |



Teng Tools. Set containing a cordless impact wrench with 1/2" \square drive. Incl. quick charger and an extra battery 19.2 V.

Supplied in special plastic box which fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|----------------------|
| Art. no. | 15172 | -0109 |
| Teng Tools | No | TTPSIW |
| Socket drive | inch | 1/2" |
| Battery voltage/capacity | | 19.2 V / 3.0 Ah |
| Speed unloaded | rpm | 0-2500 |
| Max. torque | Nm / In-lb | 300 / 2655 |
| Insert size LxWxH | mm | 580x274x95 |
| Box weight | kg | 5.15 |
| Pack. | sts | 2 |
| Extra battery pack. 3.0 Ah Ni-Mh . | | |
| Art. no. | 15157 | -1007 |
| Teng Tools | No | PRIW-BAT |
| Extra charger | | |
| Art. no. | 15157 | -1106 |
| Teng Tools | No | PRIW-CHA |
| Input voltage AC | | 100-240 V / 50-60 Hz |
| Charging time | min | 70 |
| Output voltage DC | | 30 V, 2.5 A |
| Size WxDxH | mm | 160x135x90 |
| Weight | g | 850 |

Tool Trays

Service Tools

High qualitative impact wrenches with reversible rotation. Very useful within the automotive applications. High torque - both forward, with three different steps and in reverse mode. Durable aluminium housing. Pistol model with handle exhaust. Equipped with a stepless trigger. The handle grip is made of rubber with an ergonomic performance and design. It also insulates against cold air and reduces vibrations. The machine is also performed to reduce and catch up vibrations in respective taken to the high torque. Square drive of hole pin with ring type for the impact sockets.



| | | |
|--------------------------------------|------------------|--------------------|
| Art. no. | 16883 | -0107 |
| Teng Tools | No | TTAW12M |
| Square drive | inch | 1/2 |
| Bolt capacity | mm | M10-M18 |
| Free speed | r/min | 7500 |
| Max. reverse torque | Nm | 740 |
| Max. reverse torque | ft-lb | 550 |
| Hammer mechnism..... | type | Twin Hammer |
| Sound level (EN ISO 15744:2008)..... | dB (A) | 98.7 |
| Vibration (EN ISO 8662-7:1997)..... | m/s ² | 3.58 |
| Min. hose size | inch | 3/8 |
| Air inlet | G (R) | 1/4 |
| Air consumption at 100% int.*..... | l/min | 950 |
| Air consumption at 15% int.*..... | l/min | 133 |
| Air consumption at 100% int.*..... | cfm | 33.6 |
| Air consumption at 15% int.*..... | cfm | 4.7 |
| Case size LxWxH | mm | 280x280x80 |
| Weight | kg | 2.86 |

*) At 6.2 bar.

Limit Measuring Kits

Limit. Measurement set in 3 pieces intended for car mechanics, service technicians, etc. To measure brake drums, tyre pressure and tread depth. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|--------------------|--------------|
| Art. no. | 13956 | -0106 |
| Digital brake disc vernier calipers..... | mm | 0-75 |
| Tyre pressure gauge | kg/cm ² | 7 |
| Tread depth gauge | mm | 0-25 |
| Case size LxWxH | mm | 265x142x50 |

Limit. Set of 20 pieces. Includes digital sliding caliper, depth measurement stop, micrometer, telescopic measurement stop (6 parts), flat square, base square, protractor, indicator gauge, magnetic indicator stand, hole gauge (2), thread gauge, feeler gauges, steel rule, scriber and compasses.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------------------|---------------|------------------|
| Art. no. | 12861 | -0102 |
| Digital sliding caliper | mm | 150 |
| Depth measurement stop, length | mm | 75 |
| Micrometer | mm | 0-25 |
| Telescopic measurement set (6) | mm | 8-150 |
| Flat square | mm | 150 |
| Protractor | mm | 120 |
| Dial indicator | mm | 10/0.01 |
| Indicator stand, max. height..... | mm | 280 |
| Hole size gauge | mm | 0.45-1.5 1.5-3.0 |
| Thread gauge M/UNC | No. of blades | 55 |
| Feeler gauges 13 blades | mm | 0.05-1.0 |
| Steel rule..... | mm | 300 |
| Scriber HM, length..... | mm | 150 |
| Callipers | mm | 200 |
| Case size LxWxH | mm | 560x265x40 |
| Weight | kg | 5.6 |

Teng Tools EVA tool sets

Get organised with Teng Tools!

It is vital, in many environments and situations, that it is quick and easy to check that all the tools have been returned to their correct place in the tool box at the end of a shift or job. The new Teng Tools EVA tool control system provides a cost effective solution.



- Each tool is scanned in a CAD CAM system and a computer controlled milling machine mills the exact shape of the tool in to a two colour EVA block.
- The top layer of the block is black and the bottom layer red so that as soon as a tool is taken out, the shape of the tool is clearly visible in red.
- The EVA block is etched with the size or description of the tool next to its position so that if a tool is missing not only can the space be clearly seen but the missing tool can be identified quickly – making it much easier to recall where the tool may have been used or left.
- The EVA trays fits in the Teng Tools roller cabinets and in top box TC805NFX
- A choice of 11 different EVA tool trays.
- Use “Click and Fill” the unique web based tool kit design programme on www.tengtools.com to build your own tool kit on screen.

EVA

Tool Sets



Tool Trays

EVA sets

Teng Tools EVA control system

It is vital, in many environments and situations, that it is quick and easy to check that all the tools have been returned to their correct place in the tool box at the end of a shift or job. The new Teng Tools EVA tool control system provides a cost effective solution. Each tool is scanned in a CAD CAM system and a computer controlled milling machine mills the exact shape of the tool in to a two colour EVA block. The top layer of the block is black and the bottom layer red so that as soon as a tool is taken out, the shape of the tool is clearly visible in red. Unlike other similar systems the EVA block is also etched with the size or description of the tool next to it's position so that if a tool is missing not only can the space be clearly seen but the missing tool can be identified quickly – making it much easier to recall where the tool may have been used or left. The size of the blocks is designed to fit the complete range of Teng Tools roller cabinets and the TC805NFX full depth 5 drawer top box.



Teng Tools. Socket set including 32 pieces $\frac{3}{4}$ " □ drive. Supplied in the Teng Tools two-colour pre-cut EVA foam tool control system. Fit in Teng Tools tool boxes and roller cabinets.

| | | |
|--|--------------------------|---|
| Art. no. | 16173 | -0106 |
| Teng Tools | No | TTESK32 |
| Number of parts | ea | 32 |
| Containing: | | |
| Extension bar length 400 mm .. | <input type="checkbox"/> | $\frac{3}{4}$ " |
| T-bar length 450 mm | <input type="checkbox"/> | $\frac{3}{4}$ " |
| Flex handle length 475 mm | <input type="checkbox"/> | $\frac{3}{4}$ " |
| Ratchets with 60 teeth | <input type="checkbox"/> | $\frac{3}{4}$ " |
| Regular sockets $\frac{3}{4}$ " hexagon .. | mm | 19 21 22 24 27 30 32 33 34 36 38 41 46 50 |
| Regular sockets $\frac{3}{4}$ " bi-hexagon | inch | $\frac{7}{8}$ " $1\frac{5}{16}$ " 1" 1 $\frac{1}{16}$ " 1 $\frac{1}{8}$ " 1 $\frac{3}{16}$ " 1 $\frac{1}{4}$ " 1 $\frac{5}{16}$ " 1 $\frac{3}{8}$ " 1 $\frac{7}{16}$ " 1 $\frac{1}{2}$ " 1 $\frac{5}{8}$ " 1 $\frac{3}{4}$ " 1 $\frac{7}{8}$ " |
| Size | mm | 570x375x75 |
| Weight | kg | 17.27 |



Teng Tools. Tool set containing 63 pieces ($\frac{1}{2}$ " □ drive). Supplied in the Teng Tools two-colour pre-cut EVA foam tool control system. Fit in Teng Tools tool boxes and roller cabinets.

| | | |
|---|--------------------------|---|
| Art. no. | 16167 | -0104 |
| Teng Tools | No | TTESK63 |
| Number of parts | ea | 63 |
| Containing: | | |
| Ratchet with 60 teeth | <input type="checkbox"/> | $\frac{1}{2}$ " |
| Flex handle 250 mm | <input type="checkbox"/> | $\frac{1}{2}$ " |
| Extension bars $\frac{1}{2}$ " | mm | 63 125 150 250 500 |
| Extension bars, wobble type $\frac{1}{2}$ ", length . | mm | 75 150 250 |
| Speed brace | <input type="checkbox"/> | $\frac{1}{2}$ " |
| Universal joint | <input type="checkbox"/> | $\frac{1}{2}$ " |
| Adaptor | <input type="checkbox"/> | $\frac{1}{2}$ " - $\frac{3}{8}$ " |
| Adaptor | <input type="checkbox"/> | $\frac{1}{2}$ " - $\frac{3}{4}$ " |
| Spark plug sockets $\frac{1}{2}$ " | mm | 16 18 21 |
| T-bar 243 mm | <input type="checkbox"/> | $\frac{1}{2}$ " |
| Coupler adaptor for $\frac{9}{16}$ " ○ bits | <input type="checkbox"/> | $\frac{1}{2}$ " |
| Coupler adaptor for 10 mm ○ bits | <input type="checkbox"/> | $\frac{1}{2}$ " |
| Coupler adaptor for 12 mm ○ bits | <input type="checkbox"/> | $\frac{1}{2}$ " |
| Flex head adaptor | <input type="checkbox"/> | $\frac{3}{8}$ " |
| Regular sockets $\frac{1}{2}$ " hexagon | mm | 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 24 25 26 27 28 29 30 32 34 (12-kant) 10 11 12 13 14 15 16 17 18 19 20 21 22 24 27 30 32 36 |
| Deep sockets $\frac{1}{2}$ " hexagon | mm | 10 11 12 13 14 15 16 17 18 19 20 21 22 24 27 30 32 36 |
| Size | mm | 570x375x75 |
| Weight | kg | 11.03 |

Tool Trays

EVA sets

Teng Tools. Tool set containing 86 pieces (1/4" □ drive and 3/8" □ drive), regular and deep metric sockets and a comprehensive range of accessories.

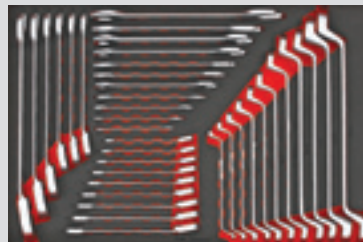
Supplied in the Teng Tools two-colour pre-cut EVA foam tool control system. Fit in Teng Tools tool boxes and roller cabinets.



| Art. no. | 16168 | No | -0103 |
|---|-------|----|-------------------------|
| Teng Tools | No | | TTESK86 |
| Number of parts | ea | | 86 |
| Conining: | | | |
| Ratchets with 60 teeth | □ | | 1/4" and 3/8" |
| Spinner handle | □ | | 1/4" |
| Extension bar 1/4", length | mm | | 50 75 100 150 300 |
| Universal joint | □ | | 1/4" |
| Adaptor | □ | | 1/4" - 3/8" |
| T-bar | □ | | 1/4" |
| Coupler adaptor for 1/4" □ bits | □ | | 1/4" |
| Regular sockets 1/4" hexagon | mm | | 4 4.5 5 5.5 6 7 |
| | | | 8 9 10 11 12 13 |
| | | | 4 5 5.5 6 7 8 |
| | | | 9 10 11 12 13 |
| Deep sockets 1/4" hexagon | mm | | |
| | | | 1/4" |
| Speed brace | □ | | 3/8" |
| Spinner handle | □ | | |
| Extension bars 3/8", length | mm | | 75 125 150 250 500 |
| Extensin bars, wobble type 3/8", length | mm | | 75 150 250 |
| Universal joint | □ | | 3/8" |
| Adaptor | □ | | 3/8" - 1/4" |
| Adaptor | □ | | 3/8" - 1/2" |
| Spark plug sockets 3/8" | mm | | 16 18 21 |
| Coupler adaptor for 1/4" □ bits | □ | | 3/8" |
| Regular sockets 3/8" hexagon | mm | | 7 8 9 10 11 12 13 14 15 |
| | | | 16 17 18 19 20 21 22 |
| Deep sockets 3/8" hexagon | mm | | 7 8 9 10 11 12 13 14 15 |
| | | | 16 17 18 19 20 21 22 |
| Rot. spinner handle, two part | □ | | 3/8" |
| Handle | type | | T-HD |
| Size | mm | | 570x375x75 |
| Weight | kg | | 6.55 |

Teng Tools. Spanner set including 37 pieces.

Supplied in the Teng Tools two-colour pre-cut EVA foam tool control system. Fit in Teng Tools tool boxes and roller cabinets.



| Art. no. | 16174 | No | -0105 |
|----------------------------------|-------|----|-------------------------|
| Teng Tools | No | | TTESP37 |
| Number of parts | ea | | 37 |
| Combination spanners | mm | | 8 9 10 11 12 13 14 15 |
| | | | 16 17 18 19 22 24 27 |
| Double open ended spanners | mm | | 6x7 8x9 10x11 12x13 |
| | | | 14x15 16x17 18x19 20x22 |
| | | | 21x23 24x27 30x32 |
| Double ring spanners | mm | | 6x7 8x9 10x11 12x13 |
| | | | 14x15 16x17 18x19 20x22 |
| | | | 21x23 24x27 30x32 |
| Size | mm | | 570x375x75 |
| Weight | kg | | 7.62 |

Teng Tools. Combination spanner set containing 31 parts.

Supplied in the Teng Tools two-colour pre-cut EVA foam tool control system. Fit in Teng Tools tool boxes and roller cabinets.



| Art. no. | 16175 | No | -0104 |
|----------------------------|-------|----|-------------------------|
| Teng Tools | No | | TTESP31 |
| Number of pieces | ea | | 31 |
| Combination spanners | mm | | 5.5 6 7 8 9 10 11 12 |
| | | | 13 14 15 16 17 18 19 20 |
| | | | 21 22 23 24 25 26 27 28 |
| | | | 29 30 32 33 34 36 38 |
| Size | mm | | 570x375x75 |
| Weight | kg | | 8.47 |

Tool Trays

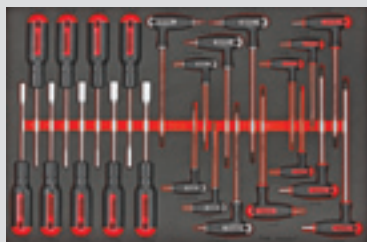
EVA sets



Teng Tools. Screwdriver/bit set containing 122 parts.

Supplied in the Teng Tools two-colour pre-cut EVA foam tool control system. Fit in Teng Tools tool boxes and roller cabinets.

| | | |
|------------------------------------|--------------|---|
| Art. no. | 16171 | -0108 |
| Teng Tools | No | TTEM122 |
| Number of parts | ea | 122 |
| Containing: | | |
| Bit screwdriver wiith 6 bits. | | flat type 5.5 7 PH1 PH2 PZ1 PZ2 |
| Screwdrivers flat type | mm | 2.5x75 3.5x75 3x100 4x100 5.5x75 5.5x150 6.5x38 (Stubby) 6.5x100 6.5x150 8x150 10x200 |
| Screwdrivers Phillips | PH | 0x75 1x75 1x38 (Stubby) |
| Screwdrivers Pozidriv | PZ | 2x38 (Stubby) 2x100 3x150 4x200 0x75 1x100 1x38 (Stubby) |
| Bits 25 mm för raka spår | mm | 2x38 (Stubby) 2x100 2x150 3x150 0.6x3.5 0.6x4.5 0.8x4.0 (2 st) 0.8x5.5 (2 st) 1.2x6.5 1.6x8.0 |
| Bits 25 mm för Phillips-spår .. | PH | 1 2 3 (3 av vardera) |
| Bits 25 mm för Pozidriv-spår .. | PZ | 1 2 3 (3 av vadera) |
| Bits 25 mm för TX-spår | TX | 6 7 8 9 10 15 20 (3 st) 25 (3 st) 27 30 40 |
| Bits 25 mm för inv. sexkanthål | mm | 2 3 4 5 6 8 |
| Bits 25 mm för fyrkantshål. | Nr | 1 2 3 |
| Bits 25 mm för Grabber-spår .. | PH | 2 (3 st) |
| Bits 25 mm för TPX-spår | mm | 10 15 20 (2 st) 25 (2 st) 27 30 40 |
| Bits 50 mm flat type | mm | 0.6x3.5 0.8x4.0 0.8x5.5 1.0x5.5 1.2x6.5 (3 each) |
| Bits 50 mm hex type | mm | 4 5 6 8 (3 each) |
| Bits 50 mm PH type | PH | 1 3 (3 each), 2 (6 each) |
| Bits 50 mm för Pozidriv-spår .. | PZ | 1 2 (2 st) 3 |
| Bits 50 mm TX type | TX | 8 15 27 30 (3 each) 10 20 25 (6 each) |
| Rubber holder for 25 mm bits .. | each | 10 |
| Size | mm | 570x375x75 |
| Weight | kg | 3.13 |



Teng Tools. Tool set containing 23 parts. Containing metric nut drivers, hex and TX/TPX handle drivers with T-handle.

Supplied in the Teng Tools two-colour pre-cut EVA foam tool control system. Fit in Teng Tools tool boxes and roller cabinets.

| | | |
|---------------------------------|--------------|---|
| Art. no. | 16681 | -0101 |
| Teng Tools | No | TTEX23 |
| Number of parts | ea | 23 |
| Containing: | | |
| Nut drivers | mm | 5 5.5 6 7 8 10 11 12 13 |
| Hex drivers with T-handle | mm | 2.5x100 3x100 4x100 5x150 6x150 7x17508x190 |
| TXdrivers with T-handle | TX | 10x100 15x100 20x100 25x150 27x150 30x150 40x190 |
| Size | mm | 570x375x50 |
| Weight | kg | 2.47 |



Teng Tools. Set containing 17 assorted Mega Bite pliers.

Supplied in the Teng Tools two-colour pre-cut EVA foam tool control system. Fit in Teng Tools tool boxes and roller cabinets.

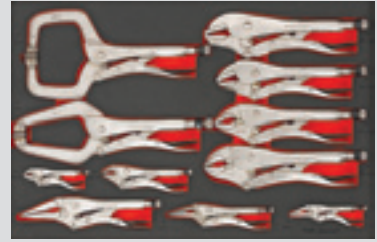
| | | |
|--|--------------|---|
| Art. no. | 16172 | -0107 |
| Teng Tools | No | TTEBM17 |
| Number of parts | ea | 17 |
| Containing: | | |
| Side cutters, length | mm | 125 and 150 |
| Heavy duty side cutters | mm | straight 150 and 200 offset head 15° 200 |
| Cable cutter, length | mm | 200 |
| Heavy duty combination pliers, length .. | mm | 175 and 200 |
| Long nose pliers, length | mm | 150 |
| Circlip pliers i(nner), length | mm | 175 straight and bent type |
| Circlip pliers (outer), length | mm | 175 straight and bent type |
| Water pump pliers, length | mm | 175 and 250 |
| Wire stripping plier | mm | 175 |
| Size | mm | 570x375x50 |
| Weight | kg | 4.75 |

Tool Trays

EVA sets

Teng Tools. Universal/welding grip set of 11 pieces.
Supplied in Teng Tools new storage system in recessed, two colour foam.
Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------------------|--------------|-----------------|
| Art. no. | 16176 | -0103 |
| Teng Tools | No | TTEVG11 |
| No. of pieces | ea | 11 |
| Contents: | | |
| Universal pliers 401, length | mm | 100 125 250 300 |
| Universal pliers 401F, length | mm | 250 300 |
| Universal pliers 404, length | mm | 100 155 230 |
| Welding grip 406P, length | mm | 280 |
| Welding grip 409P, length | mm | 300 |
| Size | mm | 570x375x50 |
| Weight | kg | 5.17 |



Teng Tools. Impact socket set of 73 parts (□-drive 3/8" and 1/2").
Supplied in Teng Tools new storage system in recessed, two colour foam.
Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|--------------------------|--|
| Art. no. | 16169 | -0102 |
| Teng Tools | No | TTEISK73 |
| No. of pieces | ea | 73 |
| Contents: | | |
| Extension bars 3/8", length | mm | 75 (swivel) |
| Adaptor drive | <input type="checkbox"/> | 3/8" - 1/4" |
| Adaptor drive | <input type="checkbox"/> | 3/8" - 1/2" |
| Bit socket for 1/4" □-bits | <input type="checkbox"/> | 3/8" |
| Short sockets 3/8" 6-point | mm | 8 10 11 12 13 14 15 16 17 19 |
| Long sockets 3/8" 6-point | mm | 8 10 11 12 13 14 16 17 19 |
| Extension bars 1/2", length | mm | 75 125 250 |
| Universal joint | <input type="checkbox"/> | 1/2" |
| Adaptor drive | <input type="checkbox"/> | 1/2" - 3/8" |
| Adaptor drive | <input type="checkbox"/> | 1/2" - 3/4" |
| Bit socket for 1/4" □-bits | <input type="checkbox"/> | 1/2" |
| Short sockets 1/2" 6-point | mm | 8 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 32 10 11 12 13 14 15 16 17 18 19 21 22 24 27 28 29 30 32 35 36 |
| Long sockets 1/2" 6-point | mm | 570x375x75 |
| Size | mm | 12.34 |
| Weight | kg | |



Teng Tools. Impact socket set of 33 parts (□-drive 3/4").
Supplied in Teng Tools new storage system in recessed, two colour foam.
Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|----------------------------|--------------------------|---|
| Art. no. | 16170 | -0109 |
| Teng Tools | No | TTEISK33 |
| No. of pieces | ea | 33 |
| Contents: | | |
| Extension bar 175 mm | <input type="checkbox"/> | 3/4" |
| Adaptor drive | <input type="checkbox"/> | 3/4" - 1/2" |
| Adaptor drive | <input type="checkbox"/> | 3/4" - 1" |
| Short sockets 3/4" | mm | 19 21 22 23 24 27 (1 1/16") 28 30 32 33 34 36 38 41 (1 5/8") 46 (1 13/16") |
| Long sockets 3/4" | mm | 19 (3/4") 21 22 23 24 27 (1 1/16") 30 (1 3/16") 32 33 34 (1 11/32") 36 38 (1 1/2") 41 46 (1 13/16") |
| Size | mm | 570x375x75 |
| Weight | kg | 20.92 |



Tool storage accessories

Aluminium clip rail system

Teng Tools. An aluminium section for mounting on the wall which is supplemented with clips for 1/4", 3/8" or 1/2" sockets.



(Illustrated with clips)



| | | | | |
|---|-------------|--------------|--------------|---------------|
| Aluminium section | 2893 | | -0105 | |
| Length | mm | | 430 | |
| Pack | qty | | 30 | |
| Clips | 2893 | -0204 | -0303 | -0402 |
| For sockets with. □-drive | inch | 1/4 | 3/8 | 1/2 |
| No. of holders per | pack. | 10 | 10 | 10 |
| Aluminium section | 2893 | -0154 | | -0170 |
| Teng Tools | No | ALU 1000-1 | | ALU1000-4 |
| Length | m | 1 | | 1 |
| No. per pack | ea. | 1 | | 4 |
| 4-row aluminium sections with socket clips and 2 handles | 2905 | | | -0101 |
| Teng Tools | No | | | ALU450 |
| Length | mm | | | 450 |
| Socket-clips (10 of each) | inch | | | 1/4, 3/8, 1/2 |

Magnet tool rail

Teng Tools. Magnetic strip that secures magnetic tool such as screwdrivers, spanners etc.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 0345 | -0202 |
| Teng Tools | No | TC-MAG |
| Size | mm | 457x52 |
| Pack | qty | 12 |

Non slip tool mats

Teng Tools. Rubber mat for placing in tool boxes, on a tool trolley's work top or in toolbox drawers, etc. Resistant to oil and grease. Cut to required format.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 6246 | -0100 |
| Teng Tools | No | TC-MAT |
| Size LxWxT | mm | 2000x450x2 |
| Pack | qty | 6 |

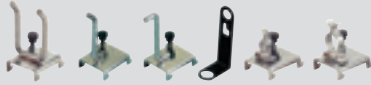


Teng Tools. Special top for use with tool trolleys. - Designed with 7 small compartments for small components. The mat protects the trolley's finish from being damaged.

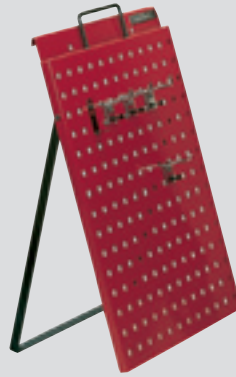
| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11254 | -0109 |
| Teng Tools | No | ABS-TOP |
| Size | mm | 670x460 |

Tool storage accessories

Roller cabinet side plate system



Hook types



Teng Tools. Tool panel suitable for mounting on the side of Teng Tools tool trolleys. Can also be used freestanding, the panel is equipped with support feet and carrying handle.

Hooksets for ditto

| | | | | | |
|------------------------|--------------|-----------------|---|-----------------------|-----------------------|
| Art. no. | | | 6994 | | -0104 |
| Teng Tools | | | No | | TCW-SP |
| Width x height | | | mm | | 460x640 |
| Artnr. | 6994 | -0203 | -0252 | -0278 | -0302 |
| Teng Tools | TCW- | HK10 | HK02 | HK20 | HK45 |
| Hooks, quantity x type | 3x45°, 7x90° | 10 double hooks | 4x45° single, 4x45° double 4x90° single, 4 small spring clips, 4 large spring clips | 10x45° | |
| Artnr. | 6994 | -0401 | -0500 | -0609 | -0708 |
| Teng Tools | TCW- | HK 90 | HK-AIR | HKB | HKS |
| Hooks, quantity x type | | 10x90° | 10 for pneumatic tools | 10 large spring clips | 10 large spring clips |

Roller cabinet accessories



14401-0105



14401-0204



14401-0303

Teng Tools. Nylon cover suitable for Teng Tools top drawers, Mega Master tool sets and tool trolleys.

| | | | | |
|-----------------------|--------------|-------------------------|----------------------------|--------------------------|
| Art. no. | 14401 | -0105 | -0204 | -0303 |
| Teng Tools | No | TC-Cover top drawers | TC-Cover1 TCMM1001N set | TC-WC02 tool trolleys |
| Fits | | | | |

Tool storage accessories

Roller cabinet accessories



Teng Tools. Retaining strap that holds a middle drawer fixed to a tool trolley, to prevent the drawer from tipping when moving between two workplaces.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11754 | -0104 |
| Teng Tools..... | No | TCF01 |



Teng Tools. Retaining strap that holds a top drawer fixed to a tool trolley, to prevent the drawer from tipping when moving between two workplaces.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11755 | -0103 |
| Teng Tools..... | No | TCF02 |



Teng Tools. Lockable side cabinet. For mounting on the side of the tool trolley. Mounting fittings and a shelf included.

| | | |
|---------------------------|--------------|--------------|
| Art. no. | 11255 | -0108 |
| Teng Tools..... | No | TCW-CAB |
| Outside measurements..... | mm | 400x200x500 |
| Weight..... | kg | 6.5 |



Teng Tools. Shelf with magnets for placement on the side of the tool trolley. Can also be attached to a tool panel.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 11788 | -0104 | -0203 |
| Teng Tools..... | No | 580C | 580D |
| Shelf size..... | mm | 310x115x31 | 210x115x31 |

Tool storage accessories

Roller cabinet accessories

Teng Tools. Shelf with magnetic strip for placement on the side of the tool trolley. Can also be attached to a steel tool panel.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 16073 | -0107 |
| Teng Tools | No | 580J |
| Size | mm | 410x90x100 |

Teng Tools. Side table and paper holder for attaching to the side of a Teng Tools tool trolley.



| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 11756 | -0102 |
| Teng Tools | No | TCA01 |
| Table size | mm | 370x370 |
| Max. paper roll width | mm | 360 |

Teng Tools. Set of 4 black castors with needle bearings and securing base. 2 fixed and 2 swivel with 2-stage brake. Suitable for Teng Tools tool trolleys.



| | | |
|--------------------------------------|--------------|--------------|
| Art. no. | 12223 | -0105 |
| Teng Tools | No | TCNBC |
| Castor diameter x castor width | mm | 125x50 |
| Max. load per castor | kg | 170 |
| Max. load per 4 castors | kg | 500 |

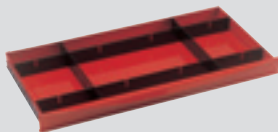
Teng Tools. Set of 2 swivel castors with mounting plate. Suitable for Teng Tools 3, 5 and 6-drawer tool trolleys. Intended to replace the tool trolley's 2 fixed castors when the trolley needs to be easily moved, e.g. under a workbench.



| | | |
|----------------------------|--------------|--------------|
| Art. no. | 11266 | -0105 |
| Teng Tools | No | TCW-SW |
| Wheel diameter | mm | 100 |
| Max. load per castor | kg | 80 |

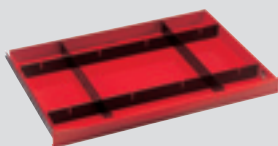
Tool storage accessories

Roller cabinet accessories



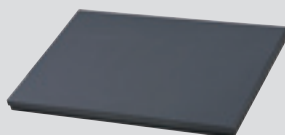
Teng Tools. Four black dividers for extending drawers in the middle and top drawers.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12224 | -0104 |
| Teng Tools | No | TCDIVS |
| Size (2) | mm | 570x40x3 |
| Size (2) | mm | 270x40x3 |



Teng Tools. Four black dividers for extending drawers in tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12225 | -0103 |
| Teng Tools | No | TCDIVL |
| Size (2) | mm | 570x40x3 |
| Size (2) | mm | 375x40x3 |



15136-0104

Teng Tools. Work bench work surface in laminated wood.

| | | | |
|---------------------------|----|--|-------------------|
| Art. no. | | 16095-0705 | 15136-0104 |
| Teng Tools | No | TC-TB02 | TC-TB01 |
| Size | mm | 672x460x37 | 1354x462x37 |
| Fit roller cabinets | No | TCW806N, TCW807N, TCW808N, TCW 810N | TCW806LN, TCW809N |



Teng Tools. Handle with rubber grip for improved comfort when moving Teng Tools' tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12220 | -0108 |
| Teng Tools | No | TCRFH |
| Size | mm | 440x80x90 |

Accessories for roller cabinets and tool boxes



Teng Tools. Side handle with rubber grip for Teng Tools top and middle boxes. Sold in pairs.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12221 | -0107 |
| Teng Tools | No | TCDSH |

Tool storage accessories

Accessories for roller cabinets and tool boxes

Teng Tools. Lock set of 3 locks with 1 set of spanners. Suitable for tool sets TCMM1001N and TCMM715N.

| | | |
|---------------------------------|--------------|--------------|
| Art. no. | 14406 | -0100 |
| Teng Tools | No | TC-LOCK3 |
| Key blank, 3-pack. | 14406 | -1009 |
| Teng Tools | No | TC-BKEY |



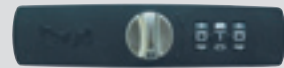
Teng Tools. A set of 5 locks, but only one key (plus spare key). Practical for those with a storage set consisting of a tool trolley, middle box and top box and who only want one key all the locks. Contains 3 standard locks, 2 locks with rail as well as a key for converting for all standard trolleys and boxes.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11023 | -0109 |
| Teng Tools | No | TC-LOCK5 |



Teng Tools. Combination lock for top drawers, intermediate drawers and tool trolleys. TC-90CLOCK for top drawers and tool trolley TCW803N. TC-180CLOCK for intermediate drawers and tool trolleys.

| | | |
|-----------------------|-------------------|-------------------|
| Art. no. | 16584-0109 | 16077-0301 |
| Teng Tools | No | TC-90CLOCK |
| | | TC-180CLOCK |



One key fit all

Having 3 or more different keys can be a real nuisance when opening or locking a stack system of tool boxes, but at the same time security is important and so each box has always been supplied with its own set of keys.

Now Teng Tools can offer a set of five replacement locks with just one pair of keys to fit all the locks. Each set (stock number TC-LOCK5) contains 2 regular locks and 3 locks with bar fittings to replace the lock originally supplied as follows.

| Tool Box | Page | Description | Regular lock | Bar type lock |
|----------|------|--------------------------|--------------|---------------|
| TC803NF | 18 | 3 drawer top box | 1 | |
| TC804N | 17 | 4 drawer top box | | 1 |
| TC805NFX | 18 | 3 drawer middle box | 1 | |
| TC806NF | 17 | 6 drawer drawer top box | 1 | |
| TC803N | 18 | 3 drawer middle box | | 1 |
| TCW803N | 19 | 3 drawer roller cabinet | 1 | |
| TCW806N | 19 | 6 drawer roller cabinet | | 1 |
| TCW806LN | 21 | 6 drawer roller cabinet | | 1 |
| TCW807N | 20 | 7 drawer roller cabinet | | 1 |
| TCW808N | 20 | 8 drawer roller cabinet | | 1 |
| TCW810N | 21 | 10 drawer roller cabinet | | 1 |
| TCW-CAB | 64 | Side cupboard | 1 | |



Work benches



Work Bench system

Teng Tools new work bench system has been developed to be flexible and to make your work easier. With a few parts there are many possible options so that you can build your own optimal working place. Start with one or more of the roller cabinets, choose between empty ones or our complete kits, add work surfaces and tool panels and you have created the working area for your needs. The tool panels can be equipped with a variety of hooks and hanging facilities.

Signboards

Teng Tools. Signboard for tool panel.

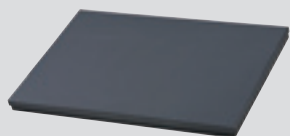


16587-0106

| | | | |
|---------------------------|--------------|-------------------------------------|-------------------|
| Art. no. | 16587 | -0106 | -0205 |
| Teng Tools | No | TC-H01 | TC-H02 |
| Size | mm | 670x60x25x1.2 | 1380x65x25x1.2 |
| Fit roller cabinets . . . | No | TCW806N, TCW807N, TCW808N, TCW 810N | TCW806LN, TCW809N |

Wooden tables

Teng Tools. Work bench work surface in laminated wood.

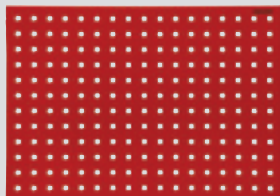


15136-0104

| | | | |
|-----------------------------|----|-------------------------------------|-------------------|
| Art. no. | | 16095-0705 | 15136-0104 |
| Teng Tools | No | TC-TB02 | TC-TB01 |
| Size | mm | 672x460x37 | 1354x462x37 |
| Fit roller cabinets | No | TCW806N, TCW807N, TCW808N, TCW 810N | TCW806LN, TCW809N |

Work bench panels

Teng Tools. From sheel metal.



16095-0507

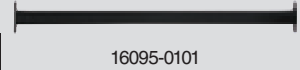
| | | | |
|-----------------------------|--------------|-------------------------------------|-------------------|
| Art. no. | 16095 | -0507 | -0606 |
| Teng Tools | No | TC-PA01 | TC-PA02 |
| Size | mm | 665x480x1.6 | 1370x480x1.6 |
| Fit roller cabinets | No | TCW806N, TCW807N, TCW808N, TCW 810N | TCW806LN, TCW809N |

Work benches

Fixing bars

Teng Tools. Fixing bar.

| | | | |
|-------------------------|--------------|--|-------------------|
| Art. no. | 16095 | -0101 | -0200 |
| Teng Tools | No | TC-PB01 | TC-FB02 |
| Size | mm | 20x30x664x1.2 | 20x30x1342x1.2 |
| Fit roller cabinets ... | No | TCW806N, TCW807N, TCW808N, TCW 810N | TCW806LN, TCW809N |



16095-0101

L-bracket

Teng Tools. L-bracket for mounting work bench work surface.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 16095 | -0309 |
| Teng Tools | No | TC-LBK |
| Size | mm | 330x150x2 |



16095-0309

Support leg

Teng Tools. Support leg for work bench. Adjustable feet.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 16095 | -0408 |
| Teng Tools | No | TC-LEG |
| Of square profile | mm | 40x80x2.0 |



16095-0408

Uprights

Teng Tools. Uprights for mounting panels on roller cabinets.

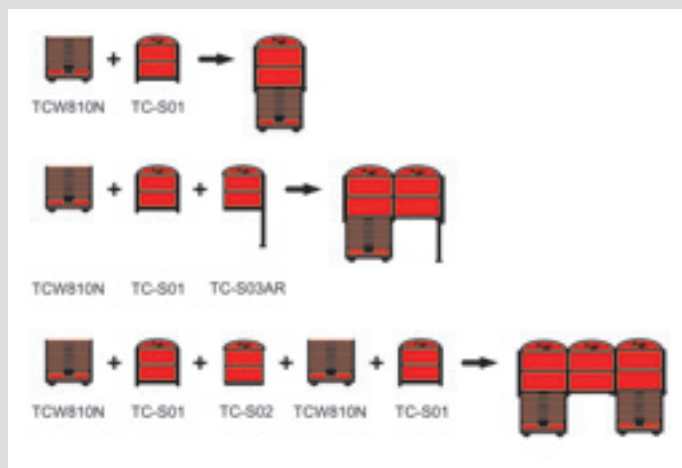
| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 16095 | -0903 | -0804 |
| Teng Tools | No | TC-UPRR | TC-UPRL |
| Type | | Right | Left |
| Material size | mm | 25x5x2 | 25x5x2 |



16095-0903

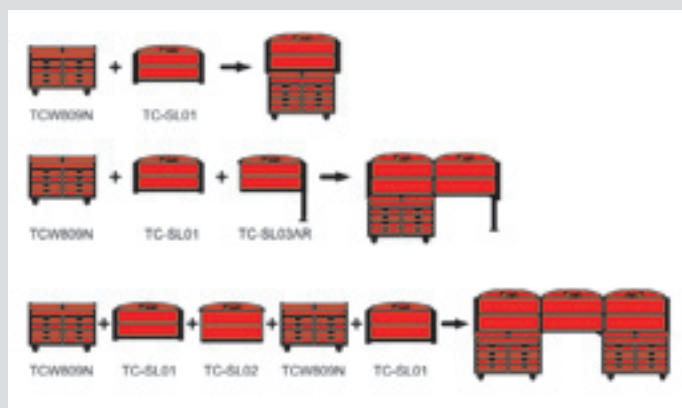
Work benches

Panel kits



Teng Tools. Sets adapted for tool trolleys TCW806N, TCW807N, TCW808N and TCW810N.

| Art. no. | 16580 | -0103 | -0202 | -0400 | -0301 |
|---------------------|-------|-------------|-------------|------------------|-------------------|
| Teng Tools | No | TC-S01 | TC-S02 | TC-S03AL Left | TC-S03AR Right |
| Contents: | | | | | |
| Tool panels | | 2 x TC-PA01 | 2 x TC-PA01 | 2 x TC-PA01 | 2 x TC-PA01 |
| Upright | | 1 x TC-UPRR | - | 1 x TC-UPRR | 1 x TC-UPRL |
| | | 1 x TC-UPRL | - | - | - |
| Worktop | | 1 x TC-TB02 | 1 x TC-TB02 | 1 x TC-TB02 | 1 x TC-TB02 |
| Securing stay | | 1 x TC-FB01 | 1 x TC-FB01 | 1 x TC-FB01 | 1 x TC-FB01 |
| Signs | | 1 x TC-H01 | 1 x TC-H01 | 1 x TC-H01 | 1 x TC-H01 |
| Bracket | | - | 2 x TC-LBK | 2 x TC-LBK | 2 x TC-LBK |
| Support | | - | - | 1 x TC-LEG | 1 x TC-LEG |



Teng Tools. Sets adapted for tool trolleys TCW806LN and TCW809N.

| Art. no. | 16580 | -0509 | -0608 | -0707 | -0806 |
|---------------------|-------|-------------|-------------|-------------------|-------------------|
| Teng Tools | No | TC-SL01 | TC-L02 | TC-SL03AL Left | TC-SL3AR Right |
| Contents: | | | | | |
| Tool panels | | 2 x TC-PA02 | 2 x TC-PA02 | 2 x TC-PA02 | 2 x TC-PA02 |
| Upright | | 1 x TC-UPRR | - | 1 x TC-UPRL | 1 x TC-UPRR |
| | | 1 x TC-UPRL | - | - | - |
| Worktop | | - | 1 x TC-TB01 | 1 x TC-TB01 | 1 x TC-TB01 |
| Securing stay | | 1 x TC-FB02 | 1 x TC-FB02 | 1 x TC-FB02 | 1 x TC-FB02 |
| Signs | | 1 x TC-H02 | 1 x TC-H02 | 1 x TC-H02 | 1 x TC-H02 |
| Bracket | | - | 2 x TC-LBK | 2 x TC-LBK | 2 x TC-LBK |
| Support | | - | - | 1 x TC-LEG | 1 x TC-LEG |



Wall Racks

Get Organised with Teng Tools!

An extensive range of wall racks, ideal for use with work bench panels or fixing to the wall. Perfect for storing frequently used tools in an easy to reach and organised way.



Wall Racks

- 10 different sets available covering socketry, wrenches, screwdrivers, pliers and files.
- All tools in the sets have their own individual labelled place so lost tools can easily be identified.
- Can be fixed to a work bench panel or the wall so all the tools are easy to reach.
- All the tools are available individually so lost tools can easily be replaced.
- Template and fittings included.



Double Flex Wrench Set



Teng Tools. Rack with 6 double swivel head wrenches. Chrome vanadium steel. With different size 12-point sockets at each end. The sockets fitted using a screw. Chromium plated. Supplied on wall rack.

| | | |
|-----------------------|--------------|--------------------------------------|
| Art. no. | 12823 | -0109 |
| Teng Tools..... | No | WRDF06 |
| No. of keys..... | ea. | 6 |
| Sizes..... | mm | 8x9 10x11 12x13 14x15 16x17 18x19 |
| Pack..... | set | 5 |

Combination Spanner Set



Teng Tools. Rack with 12 combination spanners. Chrome vanadium steel. Same dimension at both ends. The bi-hexagon ring head is set at a 15° angle. Polished heads. Chromium plated. Supplied on wall rack.

| | | |
|-----------------------|--------------|--------------------------------------|
| Art. no. | 12824 | -0108 |
| Teng Tools..... | No | WRSP12 |
| No. of keys..... | ea. | 12 |
| Sizes..... | mm | 8 9 10 11 12 13 14 15 16 17 18 19 |
| Pack..... | set | 5 |

Hex Key Wrench Sets

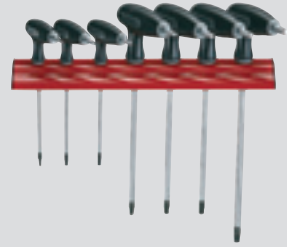


Teng Tools. Rack with 7 hex keys with T-handle in metric and imperial sizes. With ballpoint head on the long key end - which permits turning even at a 30° angle. Supplied on wall rack.

| | | | |
|-----------------------|--------------|--------------------|-------------------------------------|
| Art. no. | 12826 | -0106 | -0205 |
| Teng Tools..... | No | WRHEX07 | WRHEX07AF |
| Sizes..... | mm/inch | 2.5 3 4 5 6 7 8 | 3/32 1/8 5/32 3/16 7/32 1/4 5/16 |
| Pack..... | set | 5 | 5 |

TX/TPX Key Set

Teng Tools. Rack with 7 TX/TPX keys with T-handle. For internal TX heads (short end also for tamper proof screws). Supplied on wall rack.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12827 | -0105 |
| Teng Tools..... | No | WRTX07 |
| No. of keys..... | ea. | 7 |
| For TX/TPX-heads..... | No | 10 15 20 25 |
| Pack..... | qty | 27 30 40 |
| | | 5 |

Plier Set

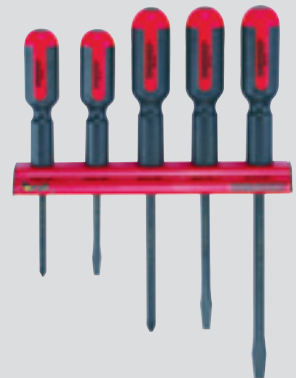
Teng Tools. Rack holding four pairs of pliers with two component sleeves, one pair of slip joint pliers, combination pliers, side cutters and flat nose pliers. Supplied on wall rack.



| | | |
|----------------------------|--------------|--------------|
| Art. no. | 12833 | -0107 |
| Teng Tools..... | No | WRMB04 |
| Contents: | | |
| Slip joint pliers 10"..... | No | MB481-10T |
| Combination pliers 7"..... | No | MB452-7T |
| Side cutters 6"..... | No | MB441-6T |
| Flat nose pliers 8"..... | No | MB461-8T |
| Pack..... | sts | 5 |

Screwdriver Set

Teng Tools. 5 piece screwdriver set. With hexagonal through blade of TT-MV-steel and impact disc. Two component handle in ergonomic design. Supplied on wall rack.



| | | |
|------------------------|--------------|--------------|
| Art. no. | 15158 | -0107 |
| Teng Tools..... | No | WRMDT05 |
| Contents: | | |
| Screwdriver MD932..... | mm | 1.2x6.5-100 |
| MD934..... | mm | 1.2x8-150 |
| MD935..... | mm | 1.6x10-200 |
| MD952..... | No | PH2-100 |
| MD953..... | No | PH3-150 |

Screwdriver Set



Teng Tools. Rack with 10 screwdrivers for slotted heads, Phillips and Pozidriv heads. TT-MV steel blades and ergonomically designed two-component handles. Supplied on wall rack.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 12829 | -0103 |
| Teng Tools | No | WRMD10 |
| Contents: | | |
| Screwdriver MD921 | mm | 0.5x3.0-100 |
| MD922 | mm | 1.0x5.5-75 |
| MD923 | mm | 1.0x5.5-150 |
| MD933 | mm | 1.2x6.5-150 |
| MD934 | mm | 1.2x8.0-150 |
| MD940 | No | PH0-75 |
| MD941 | No | PH1-75 |
| MD952 | No | PH2-100 |
| MD961 | No | PZ1-75 |
| MD972 | No | PZ2-100 |
| Pack. | set | 5 |

File Set



Teng Tools. Rack with 5 handled 10" hand files. Supplied on wall rack.

| | | |
|--|--------------|--------------|
| Art. no. | 12866 | -0107 |
| Teng Tools | No | WRFL05 |
| Contents: | | |
| Flat file FLFT10, length | mm | 250 |
| Flat file FLHF10, length | mm | 250 |
| Half-round file FLHR10, length | mm | 250 |
| Round file FLRD10, length | mm | 250 |
| Three square file FLTR10, length | mm | 250 |
| Pack. | set | 5 |




Preset torque wrenches



Teng Tools. Set of 4 torque wrenches with **preset torque**. Manufactured according to ISO 6789. Accuracy $\pm 4\%$. Rubber handle. Separate wall rack supplied.

Supplied in PS insert case with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------------|--------------|---|
| Art. no. | 14386 | -0104 |
| Teng Tools | No | TTPSTQ04 |
| Quantity torque wrenches | ea | 4 |
| Drive \square | inch |  |
| Adjustable torque | Nm | 90, 110, 120, 140 |
| Torque wrench length | mm | 513 |
| Case size LxWxH | mm | 570x262x73 |
| Weight | kg | 5.8 |



Socket Sets

Teng Tools Socket sets and tool kits

Since its introduction in 1993 the Teng Tools range of Socket Sets has become one of Europe's best selling professional socket set ranges with well over 1 million sets in use.



Socket Sets

- 1/4", 3/8", 1/2" and 3/4" drive socket sets and tool sets with metric, AF and combined sets available.
- Pure socket sets as well as tool sets combining socketry with spanners or screwdrivers or pliers.
- All sockets and accessories are satin finish chrome vanadium and all components (even the screwdriver bits) are individually branded to give that added assurance should a tool need to be returned under warranty.
- All sets use the Teng Tools FRP ratchets except in 3/4" drive where the Teng Tools 72 tooth ratchet is used.
- All tools in the sets have their own individual place so lost tools can easily be identified.
- All the tools are available individually so lost tools can easily be replaced.
- Tool mat included in the case lid to protect paint surfaces, etc.
- Recessed handles for comfortable carrying.
- Rubber feet to avoid sliding or scratching paint surfaces.
- Plastic case with improved latch locks for easy handling.
 - Secure hinges with metal pins.
 - The range is further complimented with Socket sets and a range of pocket size sets based on the Teng tools bits box design.

Mini Socket Sets 1/4" Drive



Teng Tools. Socket and bit set. Containing 6 pc 6 point regular sockets, magnetic bit holder 50 mm, mini bit ratchet, adaptor 1/4" □ - 1/4" ○, and 10 bits.
In plastic case with snap lock and metal pin hinges.

| | | |
|-----------------------------------|--------------|---------------------------|
| Art. no. | 16734 | -0108 |
| Teng Tools | No. | T1419 |
| Number of parts | ea. | 19 |
| Regular socket sizes | mm | 8, 9, 10, 11, 12, 13 |
| Bits 25 mm flat | mm | 0.6x4.5, 0.8x5.5, 1.2x6.5 |
| Bits for int. hexagon holes | mm | 4, 5, 6 |
| Bits for Phillips slots | PH | 1, 2 |
| Bits for Pozidriv slots | PZ | 1, 2 |
| Case size LxWxH | mm | 105x60x32 |
| Weight | kg | 0.248 |



Teng Tools. Socket and bit set. Containing 7 pc 7 6 point regular sockets magnetic bit holder 50 mm, 1/4" mini ratchet, adaptor 1/4" □ - 1/4" ○ and 10 bits.
Supplied in plastic case with snap-lock and metal pin hinges.

| | | |
|-------------------------------|--------------|---------------------------|
| Art. no. | 16735 | -0107 |
| Teng Tools | No. | T1420 |
| Number of parts | ea. | 20 |
| Regular socket sizes | mm | 5.5, 6, 7, 8, 9, 10, 13 |
| Bits for flat slots | mm | 0.6x4.5, 0.8x5.5, 1.2x6.5 |
| Bits for TX-slots | TX | 10, 15, 20 |
| Bits for Phillips-slots | PH | 1, 2 |
| Bits for Pozidriv-slots | PZ | 1, 2 |
| Case size LxBxH | mm | 105x60x32 |
| Weight | kg | 0.238 |



Teng Tools. Socket and bit set. Containing 9pc 1/4" 6 point regular sockets, 10 pc bits, extension bar 50 mm and a ratchet with 60 teeth.
Supplied in plastic case with snap lock and metal pin hinges.

| | | |
|-------------------------------|--------------|--------------------------------|
| Art. no. | 16732 | -0100 |
| Teng Tools | No. | T1422 |
| Number of parts | ea. | 22 |
| Socket sizes | mm | 4, 5, 5.5, 6, 7, 8, 10, 12, 13 |
| Bits for flat slots | mm | 0.8x4, 0.8x5.5, 1.2x6.5 |
| Bits for Phillips heads | No. | 12 |
| Bits for Pozidriv heads | No. | 12 |
| Bits for TX heads | TX | 10 15 20 |
| Case size LxWxH | mm | 170x90x35 |
| Weight | kg | 0.448 |

Socket Sets 1/4" Drive



Teng Tools. Type Mecca Rosso Mini. Registered design. Contains sockets with 6-point openings, fibre reinforced ratchet handle, extension bars 75 mm, 8 bits and hanging hook.
Supplied in plastic box.

| | | |
|-------------------------------|-------------|---------------------------|
| Art. no. | 2746 | -0104 |
| Teng Tools | No. | MR1423 |
| No. of pieces | ea. | 23 |
| Sockets' dim. | mm | 4 5 5.5 6 7 8 10 11 12 13 |
| Bits for slotted heads | mm | 0.8x4 1.2x5.5 |
| Bits for Phillips-heads | No. | 12 |
| Bits for TX-heads | TX | 15 20 |
| Bits for hex holes | mm | 5 6 |
| Case size | mm | 160x100x35 |
| Weight | kg | 0.5 |
| Pack | set | 5 |

Socket Sets 1/4" Drive

Teng Tools. Socket and bit set. Containing 9 pc 1/4" regular 6 point sockets, adaptor 1/4" □ - 1/4" ○, 50 mm extension bar, mini ratchet, 10 pc bits and a 4" adjustable wrench. Supplied in plastic case with snap lock and metal pin hinges.

| | | |
|------------------------------|--------------|--------------------------------|
| Art. no. | 16733 | -0109 |
| Teng Tools..... | No. | T1423 |
| Number of parts..... | ea. | 23 |
| Socket sizes..... | mm | 4, 5, 5.5, 6, 7, 8, 10, 12, 13 |
| | | 0.8x4, 0.8x5.5, 1.2x6.5 |
| Bits for flat slots..... | mm | 10 15 20 |
| Bits for TX-heads..... | TX | |
| Bits for Phillips-heads..... | No. | 1 2 |
| Bits for Pozidriv-heads..... | No. | 1 2 |
| Case size LxWxH..... | mm | 170x90x35 |
| Weight..... | kg | 0.421 |



Teng Tools. Series Mecca Rosso. Contains sockets with 6-point openings. In addition, includes bit socket 1/4" ○, adapter drive 3/8"-1/4", extension bars 50 and 100 mm, universal joint, fibre reinforced ratchet handle with lever for reversible action and three hexagon keys and 11 bits.

Supplied in plastic box with registered design. Tool mat in the case's lid. The underside of the case is fitted with rubber feet to prevent it from sliding.

| | | |
|------------------------------|-------------|----------------|
| Art. no. | 5895 | -0106 |
| Teng Tools..... | No. | MR1436 |
| No. of pieces..... | ea. | 36 |
| No. of sockets..... | ea. | 16 |
| Socket dim. short..... | mm | 4 5 5.5 6 7 |
| | | 8 10 11 12 13 |
| Socket dim. deep..... | mm | 6 7 8 10 12 13 |
| Bits for hex holes..... | mm | 5 6 |
| Bits for TX-heads..... | TX | 10 15 20 |
| Bits for slotted heads..... | mm | 0.8x4 1.2x5.5 |
| Bits for Phillips-heads..... | No. | 1 2 |
| Bits for Pozidriv-heads..... | No. | 1 2 |
| Hex keys..... | mm | 1.5 2 2.5 |
| Weight..... | kg | 0.9 |



Teng Tools. Industrikkvalitet. Innehåller hylsor med sexkant gripöppning. Dessutom ingår bitshylsa 1/4" ○, reduceringstapp 3/8"-1/4", förlängningsstänger 50 och 100 mm, universalknut, fiberförstärkt spärrnyckel för såväl höger som vänstergång samt tre sexkantnycklar och 11 st bits.

Levereras i röd plastlåda med snap-lås och gångjärn med metallsprint.

| | | |
|------------------------------|--------------|----------------|
| Art. no. | 16729 | -0105 |
| Teng Tools..... | No. | T1436 |
| No. of pieces..... | ea. | 36 |
| No. of sockets..... | ea. | 16 |
| Socket dim. short..... | mm | 4 5 5.5 6 7 |
| | | 8 10 11 12 13 |
| Socket dim. long..... | mm | 6 7 8 10 12 13 |
| Bits for hex holes..... | mm | 5 6 |
| Bits for TX-heads..... | TX | 10 15 20 |
| Bits for slotted heads..... | mm | 0.8x4 1.2x5.5 |
| Bits for Phillips-heads..... | No. | 1 2 |
| Bits for Pozidriv-heads..... | No. | 1 2 |
| Hex keys..... | mm | 1.5 2 2.5 |
| Insert size..... | mm | 240x125x38 |
| Weight..... | kg | 0.861 |



Socket Sets 1/4" Drive



Teng Tools. Set of 60 pieces containing: sockets with six point openings - short and long, metric and imperial sizes. In addition, includes fibre reinforced ratchet handle, bit holder for 1/4" bits, 50 and 100 mm extension bars, screwdriver handle, universal joint, T-handle, and six different screwdriver bits. Supplied in a red plastic box with plastic safety catches, folding handle and hinges with metal pins. The underside of the case is fitted with rubber feet to prevent it from sliding.

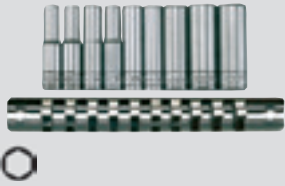
| | | |
|-------------------------------------|--------------|--|
| Art. no. | 16726 | -0108 |
| Teng Tools | No | T1460 |
| No. of pieces | ea | 60 |
| Short sockets | mm | 4, 4.5, 5, 5.5, 6, 7, 8, 9, 10, 11, 12, 13 |
| Short sockets | inch | 3/16, 7/32, 1/4, 9/32, 5/16, 11/32, 3/8, 7/16, 1/2 |
| Long sockets | mm | 6 7 8 10 12 13 |
| Short sockets | inch | 1/4 5/16 3/8 7/16 1/2 |
| Bit sockets for slotted heads | mm | 4 5 5 7 |
| Bit sockets for TX heads | TX | 10 15 20 25 27 |
| Bit sockets for PH-slots | PH | 1, 2 |
| Bits for int. hex holes | mm | 5, 6 |
| Bits for slotted heads | mm | 4, 5, 5 |
| Bits for PH-slots | PH | 1, 2 |
| Bits for PZ-slots | PZ | 1; 2 |
| Bits for TX-heads | TX | 10, 15, 20 |
| Insert size LxWxH | mm | 369x198x62 |
| Weight | kg | 1.96 |

Clip Rails 1/4" Drive



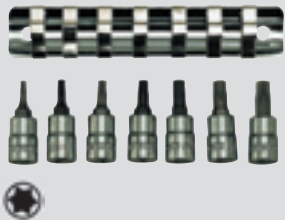
Teng Tools. Set of 12 sockets with 6 point openings. Chrome vanadium steel. Satin finish. Supplied on a clip holder with socket clips.

| | | |
|-----------------------|--------------|-----------------|
| Art. no. | 11707 | -0102 |
| Teng Tools | No | M1412 |
| No. of sockets | | 12 |
| Socket dim. | mm | 4 4.5 5 5.5 6 7 |
| Pack. | set | 8 9 10 11 12 13 |
| | | 10 |



Teng Tools. Deep sockets with 6 point openings. Chrome vanadium steel. Satin finish. Supplied on a clip holder with socket clips.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 7309 | -0102 |
| Teng Tools | No | M1407 |
| Size | mm | 4 5 6 7 |
| Socket's length | mm | 8 9 10 12 13 |
| Pack | s | 50 |
| | | 10 |



Teng Tools. Set containing TX-sockets for **internal** TX heads. For hand tightening. Supplied on clip-holder with socketclips.

| | | |
|-----------------------|--------------|-----------------------|
| Art. no. | 11709 | -0209 |
| Teng Tools | No | M1408TX |
| No. of sockets | | 7 |
| Socket sizes | TX- | 10 15 20 25 |
| Max. slot width | mm | 27 30 40 |
| For screw | M | 2.74 3.27 3.86 4.43 |
| Pack | set | 4.99 5.52 6.65 |
| | | 3-3.5 3.5-4 4-5 4.5-5 |
| | | 5-6 6-7 7-8 |
| | | 10 |

Socket Sets 3/8" Drive

Teng Tools. Type Mini Rosso. Registered design. Industrial quality. Contains 9 sockets with 6-point openings, fibre reinforced ratchet handle, extension bar 75 mm, bit socket 1/4"-□, 11 bits and hanging hook. Supplied in plastic box.

| | | |
|-------------------------------|-------------|---|
| Art. no. | 2747 | -0103 |
| Teng Tools | No | MR3824 |
| No. of pieces | ea. | 24 |
| Sockets' dim. | mm | 8 10 11 12 13 14 15 17 19 0.8x4 1.2x5.5 |
| Bits for slotted heads | mm | 1 2 |
| Bits for Phillips-heads | No | 1 2 |
| Bits for Pozidriv-heads | No | 1 2 |
| Bits for hex holes | mm | 5 6 |
| Bits for TX-heads | TX | 10 15 20 |
| Hanging hook | ea. | 1 |
| Weight | kg | 0.8 |
| Pack. | set | 5 |



Teng Tools. 3 piece set. IContaining 9 piece regular 6 point sockets, fibre reinforced ratchet, 3" and 6" extension bars, adaptor 1/2" F-3/8" M and 20 bits. LSupplied in plastic case with snap lock and metal pin hinges.

| | | |
|---|--------------|---|
| Art. no. | 16731 | -0101 |
| Teng Tools | No. | T3834 |
| Number of parts | ea. | 34 |
| Regular sockets | mm | 8, 10, 11, 12, 13, 14, 15, 17, 19 1/2" F-3/8" M |
| Reducing adaptor | inch | 3, 4, 5, 5 |
| Bits 25 mm for flat slots | mm | 3, 4, 5, 6 |
| Bits 25 mm for int. hexagon holes | mm | 10, 15, 20, 25, 27, 30, 40 |
| Bits 25 mm for Torx heads | TX | 1, 2, 3 |
| Bits 25 mm for Phillips heads | PH | 1, 2, 3 |
| Bits 25 mm for Pozidrive heads | PZ | 1, 2, 3 |
| Case size LxWxH | mm | 240x125x38 |
| Weight | kg | 1.12 |



Teng Tools. Series Mecca Rosso. Contains 20 sockets with 6-point openings. In addition, includes bit socket 1/4"-□, adaptor drive 1/2"-3/8", extension bars with ball 75 and 150 mm, universal joint, 2 spark plug sockets (16 and 21 mm), fibre reinforced ratchet handle with lever for reversible action and 11 bits. Supplied in plastic case with click lock and folding handle. Tool mat in the case's lid. The underside of the case is fitted with rubber feet to prevent it from sliding.

| | | |
|-------------------------------|-------------|--|
| Art. no. | 5900 | -0109 |
| Teng Tools | No | MR3839 |
| No. of pieces | ea. | 39 |
| Socket dim. short (14) | mm | 8 9 10 11 12 13 14 15 16 17 18 19 20 22 8 10 12 13 17 19 15.9 (5/8) 21 (1 3/16) |
| Socket dim. deep (6) | mm | 0.8x4 1.2x5.5 |
| Spark plug socket | mm | 1 2 |
| Bits for slotted heads | No | 1 2 |
| Bits for Phillips-heads | No | 1 2 |
| Bits for Pozidriv-heads | No | 1 2 |
| Bits for TX-heads | TX | 10 15 20 |
| Bits for hex holes | mm | 5 6 |
| Weight | kg | 2.5 |



Teng Tools. 39 piece Socket/Combination spanner set. Containing 14 regular 6 point sockets, 6" extension bar, universal joint, coupler adaptor, adaptor 1/2" F-3/8" M, fibre reinforced ratchet, 9 combination spanners, and 11 bits. Supplied in plastic case with latch lock in plastic, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| | | |
|-------------------------------------|--------------|---|
| Art. no. | 16728 | -0106 |
| Teng Tools | No. | T3840 |
| Number of parts | ea. | 40 |
| regular socket sizes | mm | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 0.8x4, 1.2x5.5 |
| Bits for flat slots | mm | 1, 2 |
| Bits for Philip heads | No. | 1, 2 |
| Bits for Pozidriv heads | No. | 1, 2 |
| Bits for int. hexagonal holes | mm | 5, 6 |
| Bits for TX heads | TX | 10, 15, 20 |
| Combination spanner sizes | mm | 8, 10, 11, 12, 13, 14, 15, 17, 19 |
| Case size LxWxH | mm | 369x198x62 |
| Weight | kg | 2.52 |



Socket Sets 3/8" Drive



Teng Tools. 48 piece tool set. Containing 6 point regular metric and AF sockets, 2 spark plug sockets 16 and 21 mm, 14 combination spanners, 6 screwdrivers, 5 pliers, adjustable wrench, fibre reinforced ratchet, 3" and 6" extension bars, coupler adaptor and 1/2" F - 3/8" M.

Supplied in plastic case with latch lock in metal, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| Art. no. | 16721 | -0103 |
|---------------------------------|-------|--|
| Teng Tools | No. | T3848 |
| Number of parts | ea. | 48 |
| Number of regular sockets | ea. | 16 |
| Socket sizes (10 pc) | mm | 8, 10, 12, 13, 14, 15, 16, 17, 18, 19 |
| Socket sizes. (4 pc) | mm | 7/16, 1/2, 9/16, 11/16 |
| Spark plug sockets | mm | 16, 21 |
| Combination spanners | mm | 8, 10, 12, 13, 14, 15, 16, 17, 18, 19 |
| Combination spanners | inch | 7/16, 1/2, 9/16, 11/16 |
| Side cutter | mm | 150 |
| Combination pliers | mm | 175 |
| Long nose pliers | mm | 200 |
| Water pump pliers | mm | 250 |
| Universal pliers | mm | 175 |
| Adjustable wrench | mm | 200 |
| Screwdriver, flat slots | mm | 0.5x3.0, 1.0x5.5, 1.2x6.5 |
| Screwdrivers, Phillips | No. | 0, 1, 2 |
| Case size LxWxH | mm | 466x258x103 |
| Weight | kg | 6.51 |

All of the items included in Teng Tools socket sets and clip rail sets are available individually. The complete range of satin finish sockets and accessories are detailed in this catalogue together with all the technical details regarding tolerances and dimensions.

Details of the full range of chrome sockets and accessories can be found on the Teng Tools website or are available from your local Teng Tools stockist.

Socket Sets 3/8" Drive



Teng Tools. 67 piece socket/tool set containing fibre reinforced ratchet, universal joint, 3" and 6" extension bars, coupler adaptor, 1/2" F- 3/8" M adaptor, bits driver with magnetic holder, 14 regular sockets, 10 combination spanners, 6 screwdrivers, 4 pliers and 26 bits.

Supplied in plastic case with latch lock im metal, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

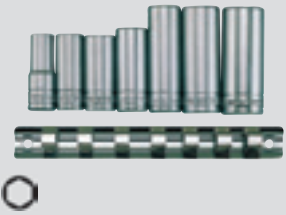
| Art. no. | 16720 | -0104 |
|---------------------------------|-------|--|
| Teng Tools | No. | T3867 |
| Number of parts | ea. | 67 |
| Regular socket sizes (6 point) | mm | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 22 |
| Combination spanners | mm | 8, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 |
| Screwdrivers for flat slots | mm | 0.6x3.2, 1.0x5, 1.4x6.0 |
| Screwdrivers for Phillips heads | No. | 0, 1, 2 |
| Side cutter, length | mm | 150 |
| Combination pliers, length | mm | 175 |
| Long nose pliers, length | mm | 200 |
| Water pump pliers, length | mm | 250 |
| Bits for flat slots. | mm | 0.8x4, 1.2x5, 1.2x7 |
| Bits for Phillip heads | No. | 0, 1, 2, 3 |
| Bits for Pozidriv heads | No. | 1, 2, 3 |
| Bits for TX heads | TX | 8, 10, 15, 20, 25, 27, 30, 40, 45, 50 |
| Bits for int. hexagon holes | mm | 3, 4, 5, 6, 8, 10 |
| Case size LxWxH | mm | 466x258x103 |
| Weight | kg | 5.44 |

Clip Rails 3/8" Drive



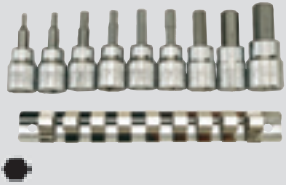
Teng Tools. 3/8" drive sockets of chrome vanadium steel with 6 point openings. Satin finish. Supplied on a clip holder with socket clips.

| | | |
|-----------------------|--------------|-------------------------|
| Art. no. | 11666 | -0101 |
| Teng Tools | No | M3816 |
| Size | mm | 7 8 9 10 11 12 13 14 |
| Pack. | set | 15 16 17 18 19 20 21 22 |
| | | 10 |



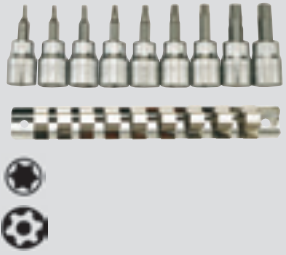
Teng Tools. Chrome vanadium steel. With 6 point opening. With rubber insert. External hexagonal grip 24 mm for tightening with a spanner. Satin finish.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 7316 | -0103 |
| Teng Tools | No | M3807 |
| Size | mm | 10 12 13 14 |
| Socket length | mm | 15 17 19 |
| Pack. | set | 45-65 |
| | | 10 |



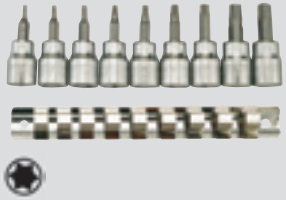
Teng Tools. Set of 9 chrome vanadium sockets internal hex holes. For hand tightening. Supplied on a clip holder with socket clips.

| | | | |
|-----------------------|-------------|--------------|--------------------|
| Art. no. | 6883 | -0108 | -0207 |
| Teng Tools | No | M3812 | M3811 |
| Size | mm/inch | 3 4 5 5.5 | 3/32 1/8 5/32 3/16 |
| Pack. | set | 6 7 8 10 12 | 7/16 1/4 5/16 3/8 |
| | | 6 | 6 |



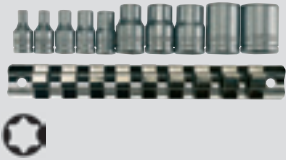
Teng Tools. Sets containing 9 TPX-sockets for **internal** heads (also for tamper proof screws). For hand tightening. Supplied on clip-holder with socket-clips.

| | | |
|-----------------------|-------------|-----------------------------|
| Art. no. | 6884 | -0107 |
| Teng Tools | No | M3813TPX |
| TPX-sockets | TPX- | 10 15 20 25 27 |
| Max. slot width | mm | 30 40 45 50 |
| For screw | M | 2.74 3.27 3.86 4.43 4.99 |
| Pack. | set | 5.52 6.65 7.82 8.83 |
| | | 3-3.5 3.5-4 4-5 4.5-5 4.5-6 |
| | | 6-7 7-8 8-10 10 |
| | | 6 |



Teng Tools. Set containing 9 TX-sockets for internal TX heads. For hand tightening. Supplied on clip holder with socket clips.

| | | |
|-----------------------|--------------|-----------------------------|
| Art. no. | 10218 | -0106 |
| Teng Tools | No | M3813TPX |
| TX-sockets | TPX-/TX- | 10 15 20 25 27 |
| Max. slot width | mm | 30 40 45 50 |
| For screw | M | 2.74 3.27 3.86 4.43 4.99 |
| Pack. | sts | 5.52 6.65 7.82 8.83 |
| | | 3-3.5 3.5-4 4-5 4.5-5 4.5-6 |
| | | 6-7 7-8 8-10 10 |
| | | 6 |



Teng Tools. Short TX-E sockets with 1/4" and 3/8" □-drive. Chrome vanadium steel. Satin finish. Supplied on a clip holder with socket clips.

| | | |
|-------------------------|-------------|----------------|
| Art. no. | 0485 | -0103 |
| Teng Tools | No | M3814 |
| Size (1/4"-drive) | TX-E | 4 5 6 7 8 |
| Size (3/8"-drive) | TX-E | 10 12 14 16 18 |
| Pack. | qty | 10 |

Socket Sets 1/2" Drive

Teng Tools. Series Mecca Rosso. Contains sockets with 12-point resp. 6-point openings. In addition, includes two extension bars (length 63 and 150 mm), universal joint, adaptor drive 1/2"-3/8" and fibre reinforced ratchet handle with lever for reversible action.

Supplied in plastic box. Tool mat in the case's lid. The underside of the case is fitted with rubber feet to prevent it from sliding.

| Art. no. | 0539 | -0109 | -0182 |
|--------------------|---------|----------------------------------|------------|
| Teng Tools | No | MR1221 | MR1221-6 |
| Measurement system | | Millimetre | Millimetre |
| Size | | 12-point | 6-point |
| No. of pieces | ea. | 21 | |
| Sockets' dim. | mm/inch | 10 11 12 13 14 15 16 17 18 19 | |
| | | 21 22 24 27 30 32 | |
| Weight | kg | 2.95 | |



Teng Tools. 21 piece socket sets. Containing either 6 or 12 point regular sockets, 2 1/2" and 6" extension bars, universal joint, adaptor 1/2" F - 3/8" M and fibre reinforced ratchet.

Supplied in plastic case with latch lock in plastic, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| Art. no. | 16724 | -0100 | -0209 |
|-----------------|-------|---|---------|
| Teng Tools | No. | T1221 | T1221-6 |
| Number of parts | ea. | 21 | 21 |
| Socket type | | 12 point | 6 point |
| Socket sizes | mm | 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 | |
| | | 21, 22, 24, 27, 30, 32 | |
| Case size LxWxH | mm | 369x198x62 | |
| Weight | kg | 3.1 | |



Teng Tools. 68 piece 1/2" tool set. Containing 16 regular 12 point metric sockets, fibre reinforce ratchet, universal joint, 2 1/2" and 6" extension bars, adaptor 3/8" F - 1/2" M, bitsholder with magnetic bits holder, 10 combination spanners, 6 screwdrivers, 4 pliers as well as 26 bits.

Supplied in plastic case with latch lock in metal, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| Art. no. | 16758 | -0109 |
|-------------------------------|-------|--|
| Teng Tools | No. | T1268 |
| Regular sockets, (16 pc) | mm | 10,11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22, 24, 27, 30, 32 |
| Combination spanners (10 pc) | mm | 8, 10, 11, 12, 13, 14, 15, 16, 17, 19 |
| Screwdrivers for flat slots | mm | 0.5x3, 1.0x5.5, 1.2x6.5 |
| Screwdrivers for cross slots | PH | 0, 1, 2, 3 |
| Side cutter, length | mm | 150 |
| Combination pliers, length | mm | 75 |
| Nong nose pliers, length | mm | 200 |
| Water pump pliers, length | mm | 250 |
| Bits 25 mm for TX heads | TX | 8, 10, 15, 20, 25, 27, 30, 40, 45, 50 |
| Bits 25 mm for flat slots | mm | 0.8x4, 0.8x5.5, 1.2x7 |
| Bits 25 mm for hex holes | mm | 3, 4, 5, 6, 8, 10 |
| Bits 25 mm for Phillips heads | No. | 0, 1, 2, 3 |
| Bits 25 mm for Pozidriv heads | No. | 0, 1, 2, 3 |
| Case size LxWxH | mm | 466x258x103 |
| Weight | kg | 6.72 |



Clip Rails 1/2" Drive



Teng Tools. Sets of 15 12 point sockets of chrome vanadium steel. Fitted on clip holder with socket clips. Satin finish.



| | | | |
|-----------------------|-------------|----------------|------------------------------|
| Art. no. | 2813 | -0102 | -0201 |
| Teng Tools | No | M1215MM | M1215AF |
| Size | mm/tum | 10 12 13 14 15 | 3/8 7/16 1/2 9/16 5/8 |
| Pack. | set | 16 17 18 19 21 | 1 1/16 3/4 1 3/16 7/8 1 5/16 |
| | | 22 24 27 30 32 | 1 1/16 1 1/8 1 3/16 1 1/4 |
| | | 6 | 6 |



Teng Tools. Deep sockets with 12 point openings. Chrome vanadium steel. Satin finish. Supplied on clip holder with socket clips.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 7310 | -0109 |
| Teng Tools | No | M1207 |
| Size | mm | 13 14 15 17 |
| Socket length | mm | 19 21 22 24 |
| Pack. | set | 80 |
| | | 5 |



Teng Tools. Set of 8 deep sockets with 6 point openings. Satin finish. Supplied with clip holder and socket clips.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10171 | -0101 |
| Teng Tools | No | M1208-6 |
| Size | mm | 13 14 15 16 |
| Socket's length | mm | 17 18 19 24 |
| Pack. | set | 80 |
| | | 5 |



Teng Tools. Set of 9 1/2" drive TX-sockets for external TX heads. Fitted on clip holder with socket clips. Satin finish.



| | | |
|-----------------------|--------------|---------------------|
| Art. no. | 11661 | -0104 |
| Teng Tools | No | M1210 |
| No. of sockets | | 9 |
| Socket sizes | | E10 E11 E12 E14 E16 |
| Weight | kg | E18 E20 E22 E24 |
| Pack. | set | 1.07 |
| | | 10 |



Teng Tools. Set consisting of six 100 mm long sockets hex type bits. For hand tightening. Satin finish. The sockets are supplied on a clip-holder, secured with socket-clips.



| | | |
|----------------------------------|--------------|---------------|
| Art. no. | 11891 | -0108 |
| Teng Tools | No | M1211 |
| Sockets for int. hex holes | mm | 5 6 7 8 10 12 |
| Weight | kg | 0.52 |
| Pack. | sts | 10 |



Teng Tools. Set consisting of 9 sockets for internal hex holes. For hand tightening. Satin finish. The sockets are supplied on a clip holder, secured with socket clips.



| | | |
|----------------------------------|-------------|--------------|
| Art. no. | 1907 | -0101 |
| Teng Tools | No | M1212 |
| Sockets for int. hex holes | mm | 5 6 7 8 9 |
| Weight | kg | 10 12 14 17 |
| Pack. | set | 0.8 |
| | | 6 |



Teng Tools. Sets consisting of 9 sockets for internal TX heads (M1213TPX also for tamper proof screws). For hand tightening. Satin finish. The sockets are supplied on a clip holder with socket clips.



| | | | |
|-----------------------|-------------|----------------|----------------|
| Art. no. | 3819 | -0054 | -0104 |
| Teng Tools | No | M1213TX | M1213TPX |
| For TX | No | 20 25 27 30 40 | 20 25 27 30 40 |
| Weight per set | kg | 45 50 55 60 | 45 50 55 60 |
| Pack. | set | 0.6 | 0.6 |
| | | 6 | 6 |

Combined Drive Sets 1/4", 3/8" and 1/2" Socket Sets

Teng Tools. Type Jumbo. Registered design. Industrial quality. Contains 101 pieces, among others, ratchets, 1/4", 3/8" and 1/2" sockets with 6-point openings, 1/4"-drive-bits and different socket tools, combination spanners and swivel head wrenches.

Supplied in plastic case with click lock and folding handle. The underside of the case is fitted with rubber feet to prevent it from sliding.



| Art. no..... | 2745 | -0105 |
|---|------|------------------------|
| Teng Tools..... | No | MR101 |
| No. of pieces..... | ea. | 101 |
| Sockets 1/4", short (10)..... | mm | 4 5 5.5 6 7 |
| Sockets 1/4", deep (6)..... | mm | 8 10 11 12 13 |
| Sockets 3/8" (14)..... | mm | 6 7 8 10 12 13 |
| Sockets 1/2" (5)..... | mm | 8 9 10 11 12 13 14 |
| Spark plug socket..... | | 15 16 17 18 19 21 22 |
| Ratchet handles (2)..... | | 19 24 27 30 32 |
| Extension bars 50 & 75 mm..... | | 3/8-16 mm, 1/2-21 mm |
| Extension bars 75 & 150 mm..... | □ | 1/4, 3/8 |
| Extension bars 65 & 250 mm..... | □ | 1/4 |
| Universal joints..... | □ | 3/8 |
| Bit socket 1/4"-drive..... | □ | 1/2 |
| Bit screwdriver..... | □ | 1/4, 3/8, 1/2 |
| Adaptor drives..... | □ | 1/4, 3/8 |
| Adaptor drives..... | □ | 1/4 |
| Combination spanners (10)..... | mm | 3/8-1/2 |
| Holder ring for combination spanners..... | mm | 3/8-1/4, 1/2-3/8 |
| Swivel wrench..... | ea. | 8 10 11 12 13 |
| Bits 1/4"-drive | mm | 14 15 16 17 18 |
| Bits for TX-heads (8)..... | | 1 |
| Bits for twelve point heads (2)..... | TX | 10x11 12x13 14x15 |
| Bits for slotted heads (3)..... | M | |
| Bits for Phillips-heads (4)..... | mm | 8 10 15 20 25 27 30 40 |
| Bits for Pozidriv-heads (3)..... | No | 5 6 |
| Bits for hex holes (6)..... | mm | 0.8x4 1.2x5.5 1.2x7 |
| Bits for hex holes (7)..... | No | 0 1 2 3 |
| | mm | 1 2 3 |
| | inch | 3 4 5 6 8 10 |
| | | 1/8 9/64 9/32 3/16 |
| | | 7/32 1/4 3/8 |
| Weight..... | kg | 6.5 |
| Pack..... | set | 3 |

Combined Drive Sets 1/4", 3/8" and 1/2" Socket Sets



Teng Tools. 106 piece professional tool set. Containing 1/4" and 3/8" regular 6 point sockets, 1/4" deep sockets, 3/8" spark plug sockets, 1/2" regular 12 point sockets, ratchets, universal joints coupler adaptors, extension bars, bi-flex wrench, bit driver, adaptors, double flex wrenches, combination spanners, ring holder, adjustable wrench and 25 mm long 1/4" bits.

Supplied in plastic case with latch lock im metal, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| Art. no..... | 16722 | -0102 |
|--|-------|---|
| Teng Tools..... | No. | TM106 |
| Number of parts..... | ea. | 106 |
| 6 point regular sockets 1/4" □-drive..... | mm | 4, 5, 5.5, 6, 7, 8, 10, 11, 12, 13 |
| 6 point deep sockets 1/4" □-drive..... | mm | 6, 7, 8, 10, 12, 13 |
| 6 point regular sockets 3/8" □-drive..... | mm | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 22 |
| 12 point regular sockets 1/2" □-drive..... | mm | 19, 24, 27, 30, 32 |
| Spark plug sockets 3/8" □-drive..... | mm | 16, 21 |
| Ratches..... | □ | 1/4" and 3/8" |
| Universal joints..... | □ | 1/4" and 3/8" |
| Extension bars 50 and 75 mm..... | □ | 1/4" |
| Extension bars 75 and 150 mm..... | □ | 3/8" |
| Extension bars 63 and 250 mm..... | □ | 1/2" |
| Step up adaptors..... | □ | 3/8" - 1/2" |
| Reducing adaptors..... | □ | 3/8" - 1/4", 1/2" - 3/8" |
| Spinner handle..... | □ | 1/4" |
| Coupler adaptors..... | □ | 1/4" and 3/8" |
| Bi-flex spanner..... | | 1/4" ○ - 1/4" □ |
| Bit driver..... | | 1/4" ○ |
| Flex head adaptor..... | □ | 1/2" |
| Double flex wrenches..... | mm | 8x9, 10x11, 12x13, 14x15 |
| Combination spanners..... | mm | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 |
| Ringholder for combination spanners..... | ea. | 1 |
| Adjustable wrench, length..... | mm | 250 |
| Bits 1/4" for flat slots..... | mm | 0x4, 0.8x5.5, 1.2x7 |
| Bits 1/4" for Torx heads..... | TX | 8, 10, 15, 20, 25, 30, 40 |
| Bits 1/4" for Torx heads..... | TPX | 10, 15, 20, 25, 27, 30, 40 |
| Bits 1/4" for Phillips heads..... | PH | 0, 1, 2, 3 |
| Bits 1/4" for Posidriv heads..... | PZ | 1, 2, 3 |
| Bits 1/4" for hex holes..... | mm | 3, 4, 5, 6, 8, 10 |
| Bits 1/4" for Ribe heads..... | M | 5, 6 |
| Case size LxWxH..... | mm | 466x258x103 |
| Weight..... | kg | 7.85 |

Combined Drive Sets 1/4", 3/8" and 1/2" Socket Sets



Teng Tools. 111 piece tool set with 1/4", 3/8" and 1/2" regular sockets, 3/8" deep sockets, socket tools 1/4", 3/8" and 1/2" □-drive and 1/4" and 5/16" ○ bits. Supplied in plastic case with latch lock in metal, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| Art. no..... | 16723 | -0101 |
|---|-------|--|
| Teng Tools..... | No. | TM111 |
| Number of parts..... | ea. | 111 |
| 6 point regula sockets 1/4" □-drive..... | mm | 4, 5, 6, 7, 8, 10, 12 |
| 6 point reguaar sockets 1/4" □-drive..... | inch | 3/16, 7/32, 1/4, 9/32, 5/8, 7/16 |
| 6 point regular sockets 3/8" □-drive..... | mm | 8, 9, 10, 12, 13, 14, 15, 16, 17 |
| 6 point regular sockets 3/8" □-drive..... | inch | 3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8 |
| 6 point deep sockets 3/8" □-drive..... | mm | 8, 9, 10, 12, 13, 14, 15, 16, 17 |
| 6 point deep sockets 3/8" □-drive..... | inch | 3/8, 7/16, 1/2, 9/16, 11/16, 3/4, 13/16, 7/8 |
| 6 point regular sockets 1/2" □-drive..... | mm | 17, 24, 27, 32 |
| 6 point regular sockets 1/2" □-drive..... | inch | 11/16, 3/4, 13/16, 7/8, 1, 1 1/16 |
| Spark plug sockets 3/8" □-drive..... | mm | 16, 21 |
| Co adaptors for 1/4" ○ bits..... | □ | 1/4", 3/8", 1/2" |
| Flexible extension bar 150 mm..... | □ | 1/4" |
| Extension bars 50 and 100 mm..... | □ | 1/4" |
| Extension bars 75 and 150 mm..... | □ | 3/8" |
| Extension bars 63 and 250 mm..... | □ | 1/2" |
| Spinner handles..... | □ | 1/4" and 3/8" |
| Spin discs..... | □ | 3/8" and 1/2" |
| Universal joints..... | □ | 1/4" and 3/8" |
| Step up adaptors..... | □ | 1/4"-3/8" and 3/8"-1/2" |
| Reducing adaptor..... | □ | 1/2"-3/8" |
| T-bar handle..... | □ | 1/4" |
| Ratches..... | □ | 1/4", 3/8", 1/2" |
| Bits 1/4" for hex holes..... | mm | 3, 4, 5, 6, 7, 10 |
| Bits 1/4" for hex holes..... | inch | 1/8, 9/64, 5/32, 3/16, 1/4, 5/16 |
| Bits 1/4" for TX heads..... | TX | 10, 15, 20, 25, 30, 40 |
| Bits 1/4" for flat slots..... | mm | 4.0, 5.5, 7.0 |
| Bits 1/4" for PH heads..... | No. | 1, 2, 3 |
| Bits 1/4" for PZ heads..... | No. | 1, 2, 3 |
| Bits 5/16" for TX heads..... | TX | 45, 50 |
| Case size LxWxH..... | mm | 466x258x103 |
| Weight..... | kg | 8.1 |

Socket Sets 3/4" Drive



Teng Tools. 18 piece 3/4" drive socket set. Containing 14 metric 6 point sockets, 450 mm T handle, 200 and 400mm extension bars as well as a quick release ratchet 500 mm with 40 teeth. Supplied in plastic case with latch lock in metal, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| | | |
|-----------------------|--------------|---|
| Art. no. | 16738 | -0104 |
| Teng Tools..... | No. | T3418-6 |
| Number of parts..... | ea. | 18 |
| Socket sizes..... | mm | 19 21 22 24 27 30 32 33 34 36 38 41 46 50 580x325x96 |
| Case size LxWxH..... | mm | 580x325x96 |
| Weight..... | kg | 14.19 |



Teng Tools. 22 piece 3/4" drive set. Containing 8 metric 6 point sockets and 9 AF 12 point sockets, quick release ratchet, 100, 200 and 400 mm extension bars and sliding T-bar. Supplied in plastic case with latch lock in metal, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| | | |
|--------------------------|--------------|--|
| Art. no. | 16740 | -0100 |
| Teng Tools..... | No. | T3422 |
| Number of parts..... | ea. | 22 |
| Socket sizes (8 pc)..... | mm | 19, 21, 24, 27, 32, 34, 36, 50 |
| Socket sizes (9 pc)..... | inch | 7/8, 1, 1 1/8, 1 3/16, 1 5/16, 1 1/2, 1 5/8, 1 13/16, 2 |
| Case size LxWxH..... | mm | 580x325x96 |
| Weight..... | kg | 14.98 |



Teng Tools. 22 piece 3/4" drive socket set with security locking mechanism. Containing 8 metric 6 point sockets and 9 AF 12 point sockets, quick release ratchet, 100, 200 and 400 mm extension bars and a sliding T-bar. Supplied in plastic case with latch lock in metal, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| | | |
|--------------------------|--------------|--|
| Art. no. | 16737 | -0105 |
| Teng Tools..... | No. | T3422S |
| Number of parts..... | ea. | 22 |
| Socket sizes (8 pc)..... | mm | 19, 21, 24, 27, 32, 34, 36, 50 |
| Socket sizes (9 pc)..... | inch | 7/8, 1, 1 1/8, 1 3/16, 1 5/16, 1 1/2, 1 5/8, 1 13/16, 2 |
| Case size LxWxH..... | mm | 580x325x96 |
| Weight..... | kg | 15.1 |

Socket Set 1" Drive



Teng Tools. Contains sockets of chrome vanadium steel with 12 point openings. In addition, includes T-handle 560 mm with drive, two extension bars 200 and 400 mm as well as ratchet handle 550 mm. Satin finish. Supplied in metal case.

| | | |
|-------------------------|-------------|----------------------------------|
| Art. no. | 7353 | -0107 |
| Teng Tools..... | No. | M1115MM |
| No. of pieces..... | ea. | 15 |
| Sockets' dim. (10)..... | mm | 36 41 46 50 55 60 65 70 75 80 |
| Weight..... | kg | 28 |



Socketry

FRP ratchets

- Steel reinforced fibre ratchets that are lighter than conventional ratchets but just as strong.
- 45 teeth (8 degree increment) ratchet mechanism.
 - Quick release mechanism for releasing sockets and accessories with one hand.
 - Flip reverse lever for simple changing of direction.
 - Design protected (24583ROC).
 - Two component handle with ergonomic design making the ratchet much more comfortable to use particularly in cold environments.
 - All individual parts as well as service repair kits are available and easy to fit.
 - Suitable for use on it's own or with Teng Tools TC tray sets as well as the range of socket and tool sets.

60 teeth ratchets

- Ultra slim type ratchet heads for much easier access in confined spaces.
- 60 teeth providing a 6 degree increment for a smooth action.
- Quick release mechanism.
- Flip reverse lever for simple changing of direction.
- All individual parts as well as service repair kits are available and easy to fit.



Ratchets

A choice of ratchets is available from a stubby 1/4" palm ratchet to a choice of 1" drive ratchets. In 1/4", 3/8" and 1/2" drive a choice of styles is available with the new Teng Tools 60 teeth ratchet and the FRP ratchet each having quick release and reverse action but with a choice of handle and head styles to suit personal choice and needs.

The heavy duty 3/4" and 1" drive ratchets are manufactured to full professional quality standards and feature removable heads and flip reverse action with the 3/4" drive option also featuring a quick release mechanism. 72 teeth 3/4" and 1" drive ratchets are also available with twist reverse and quick release for added convenience.



Ratchets

Ratches



Teng Tools. Chromevanadium steel. Mini palm ratchet - ideal for use where space is very restricted.

| | | |
|--------------------------------------|--------------|--------------|
| Art. no. | 13209 | -0101 |
| Teng Tools | No | 1400M |
| Drive <input type="checkbox"/> | inch | 1/4 |
| Number of teeth | | 45 |
| Height | mm | 29 |
| Length | mm | 76 |
| Pack | qty | 10 |



Teng Tools. Set with 3 ratchet handles. The ratchet handles have 72 teeth, are adjustable using a reversing lever and equipped with a button for locking, removing/switching sockets. Matt chromium plated. Two component handle.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------------------|--------------|---------------|
| Art. no. | 12821 | -0101 |
| Teng Tools | No | TT7203 |
| Drive <input type="checkbox"/> | inch | 1/4, 3/8, 1/2 |
| Lengths | mm | 142, 211, 257 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |



Teng Tools. With fixed drive. Chrome vanadium steel. With reversing lever. Locking button, and quick release for switching sockets. Satin finish. Two component handle.

| | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11739 | -0104 | -0203 | -0302 |
| Teng Tools | No | 1400-72 | 3800-72 | 1200-72 |
| Drive <input type="checkbox"/> | inch | 1/4 | 3/8 | 1/2 |
| No. of teeth | | 72 | 72 | 72 |
| Length | mm | 142 | 211 | 257 |
| Pack | qty | 10 | 10 | 10 |
| Repair kit | 11739 | -1052 | -1151 | -1250 |
| Teng Tools | No | 1400-72RK-1 | 3800-72RK-1 | 1200-72RK-1 |
| Pack | sts | 10 | - | 10 |



Teng Tools. Fixed drive. Slim type ratchet head with 60 teeth. This provides a 6 degrees increment only. Quick release and flip reverse system. All parts in the ratchet mechanism are easy to change. A ratchet set for narrow spaces where smooth action is required.

| | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 16070 | -0100 | -0209 | -0308 |
| Teng Tools | No | 1400-60T | 3800-60T | 1200-60T |
| Drive <input type="checkbox"/> | inch | 1/4 | 3/8 | 1/2 |
| Number of teeth | each | 60 | 60 | 60 |
| Length | mm | 142 | 200 | 255 |
| Repair kit | 16070 | -1009 | -1108 | -1207 |



Teng Tools. With fixed drive. Patented fibre reinforced ratchet handles. Light and strong. Adjustable with lever for reversible action. Locking button, and quick release for switching sockets.

| | | | | |
|--------------------------------------|-------------|--------------|--------------|--------------|
| Art. no. | 7429 | -0107 | -0206 | -0305 |
| Teng Tools | No | 1400FRP | 3800FRP | 1200FRP |
| Drive <input type="checkbox"/> | inch | 1/4 | 3/8 | 1/2 |
| No. of teeth | ea. | 45 | 45 | 45 |
| Length | mm | 150 | 200 | 255 |
| Pack | qty | 5 | 5 | 5 |
| Repair set | 7429 | -1006 | -1105 | -1204 |
| Teng Tools | No | 1400FRPK | 3800FRPK | 1200FRPK |
| Pack | set | 10 | 10 | 10 |
| Repair set (box model) | 7372 | -2050 | -2159 | -2209 |
| Teng Tools | No | 1400NRK | 3800NRK | 1200NRK |
| Pack | set | 10 | 10 | 10 |



Ratched head

Teng Tools. Separate ratchet head with fixed drive and flip reverse lever. Used together with extension bar M110020.

| | | |
|--------------------------------------|--------------|--------------|
| Ratchet head | 11684 | -0109 |
| Teng Tools | No | M110010 |
| Drive <input type="checkbox"/> | inch | 1 |
| Weight | kg | 1.74 |
| Extension bar | 11684 | -0208 |
| Teng Tools | No | M110020 |
| Length | mm | 550 |
| Pack | qty | 4 |



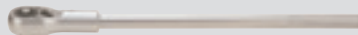
Extension bar

Ratches

Teng Tools. Chrome vanadium steel. Adjustable with lever for reversible action. No 1400-1200 with locking button, as well as quick and easy switching of sockets. Rubber grip.
No M3400 with quick switching button - M1100 without quick switching button. Knurled handle. Satin finish.



M3400-3



M1100

| | | | |
|-------------------------------------|-------------|-------------------------|-----------------------|
| Art. no. | 7372 | -0401 | -0500 |
| Teng Tools | No | M3400-3 | M1100 |
| Drive □ | inch | 3/4 | 1 |
| Length | mm | 500 | 660 |
| Pack..... | qty | 3 | 3 |
| Repair set | 7372 | -1300 | -1409 |
| Teng Tools | No | 3400-3RK | 1100RK |
| Repair set (box model) | 7372 | -2308 | -2407 |
| Teng Tools | No | M3400-3RK (40 teeth) | M1100RK (24 teeth) |

Teng Tools. Industrial quality. Knob for changing between right and left-hand action and button for locking, loosening/switching sockets. No 14382. Black handle.
No 14381. Knurled handle and removable head.



14382-0108



14381-0109

| | | | |
|-------------------------|------|-------------------|-------------------|
| Art. no. | | 14382-0108 | 14381-0109 |
| Teng Tools | No | M3400-72 | M1100-72 |
| Drive □ | inch | 3/4 | 1 |
| No. of teeth | ea. | 72 | 72 |
| Length | mm | 505 | 800 |
| Weight | kg | 2.00 | 4.06 |
| Pack..... | qty | 3 | 2 |
| Repair set | | 14382-1007 | 14381-1008 |
| Teng Tools | No | M3400-72RK | M1100-72RK |

Teng Tools. Long ratchet handle with 60 teeth. Equipped with lever for changing between right and left-hand action and button for locking, loosening/switching sockets. Two component handle. Matt chromium plated.



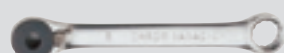
| | | | |
|-----------------------|------|--------------|--------------|
| Art. no. | | 14383 | -0107 |
| Teng Tools | No | 1200L | |
| Drive □ | inch | 1/2 | |
| No. of teeth | ea. | 60 | |
| Length | mm | 432 | |
| Weight | kg | 0.8 | |
| Pack..... | qty | 5 | |

Teng Tools. Swivel. With fixed drive. Reversible and with lever for quick release and switching sockets. Satin finish. Two component handle.



| | | | |
|-----------------------------|------|--------------|--------------|
| Art. no. | | 11806 | -0102 |
| Teng Tools | No | 1200F | |
| Drive □ | inch | 1/2 | |
| No. of teeth | ea. | 60 | |
| Length | mm | 432 | |
| Pack..... | qty | 5 | |
| Spare part set | | 11806 | -0201 |
| Teng Tools | No | 1200FRK | |
| Pack..... | sts | 10 | |

Teng Tools. 1/4" ratcheting bit driver and 8 mm 12 point ring spanner. Hardened. Manufactured of chrome vanadium steel. Satin finish.



| | | | |
|-----------------------|------|--------------|--------------|
| Art. no. | | 11834 | -0108 |
| Teng Tools | No | 1400B | |
| With bit drive | inch | 1/4" | |
| Ring spanner | mm | 8 | |
| Length | mm | 90 | |
| Pack..... | qty | 10 | |

Stainless tools

Stainless sockets

In many environments and in many workplaces, it is necessary to use stainless steel tools. For example in the pharmaceutical industry, food industry, process industry and in other aggressive environments. Teng Tools can now offer cold forged stainless steel tools in high quality.

STAINLESS



Ratchets

Teng Tools. Stainless ratchet with 36 teeth. With flip reverse lever. Quick release button.

| | | | |
|-------------------------|--------------|--------------|--------------|
| Art. no. | 16759 | -0108 | -0207 |
| Teng Tools | No. | MS3800 | MS1200 |
| Drive □ | inch | 3/8 | 1/2 |
| Number of teeth | e.a. | 36 | 36 |
| Overall length | mm | 204 | 266 |
| Weight | g | 424 | 900 |
| Repair kit | 16759 | -1106 | -1205 |
| Teng Tools | No. | MS3800RK | MS1200RK |

STAINLESS



Extension bars

Teng Tools. Stainless extension bars.

| | | | |
|-----------------------|-------------------|-------------------|-------------------|
| Art. no. | 16261-0109 | 16261-0208 | 16259-0103 |
| Teng Tools | No | MS380020-C | MS120021-C |
| Drive □ | inch | 3/8 | 1/2 |
| Length | mm | 75 | 125 |
| Pack | qty | 5 | 5 |

STAINLESS



Reducing adaptor

Teng Tools. Stainless. With hole. Gives T handle facility.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 16760 | -0204 |
| Teng Tools | No. | M120036-C |
| Drive, internal □ | inch | 1/2 |
| Drive, external □ | tum | 3/8 |

STAINLESS



Step up adaptor

Teng Tools. Stainless. With hole. Gives T handle facility.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 16760 | -0105 |
| Teng Tools | No. | MS380036-C |
| Drive, internal. □ | inch | 3/8 |
| Drive, external. □ | inch | 1/2 |

Stainless tools

Sockets with 3/8" □ drive

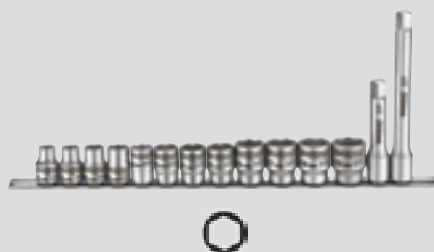
STAINLESS



Teng Tools. Stainless metric 6 point regular socket.

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 16260 | -0100 | -0209 | -0308 | -0407 | -0506 | -0605 |
| Teng Tools MS3805 | | | | | | | |
| Size..... | mm | 8 | 9 | 10 | 11 | 12 | 13 |
| Pack..... | qty | 5 | 5 | 5 | 5 | 5 | 5 |
| Art. no. | 16260 | -0704 | -0803 | -0902 | -1009 | -1108 | -1207 |
| Teng Tools MS3805 | | | | | | | |
| Size..... | mm | 14 | 15 | 16 | 17 | 18 | 19 |
| Pack..... | qty | 5 | 5 | 5 | 5 | 5 | 5 |

STAINLESS



Teng Tools. Set containing 12 stainless 6 point sockets and 2 stainless extension bars. Supplied on a clippanel with socket clips.

| | | |
|-----------------------------|--------------|-------------------|
| Art. no. | 16256 | -0106 |
| Teng Tools..... | No | MS3814 |
| Socket sizes..... | mm | 8 9 10 11 12 13 |
| Extension bars, length..... | mm | 14 15 16 17 18 19 |
| | | 75 125 |

Sockets with 1/2" □ drive

STAINLESS



Teng Tools. Stainless regular metric 6 point socket.

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 16258 | -0104 | -0203 | -0302 | -0401 | -0500 | -0609 |
| Teng Tools MS1205 | | | | | | | |
| Socket size..... | mm | 10 | 11 | 12 | 13 | 14 | 15 |
| Pack..... | qty | 5 | 5 | 5 | 5 | 5 | 5 |
| Art. no. | 16258 | -0708 | -0807 | -0906 | -1003 | -1102 | -1201 |
| Teng Tools MS1205 | | | | | | | |
| Socket size..... | mm | 16 | 17 | 18 | 19 | 21 | 24 |
| Pack..... | qty | 5 | 5 | 5 | 5 | 5 | 5 |

STAINLESS



Stainless tools Sockets with 1/2" □ drive

Teng Tools. Stainless deep metric 6 point socket.

Art. no. **16582**
Teng Tools No
Socket size mm
Pack. qty

-0101
MS1206176-C
17
5

-0200
MS1206196-C
19
5

-0309
MS1206216-C
21
5

STAINLESS



Teng Tools. Set containing 3 stainless deep sockets.
Supplied on a cli panel with socket clips.

Art. no.
Teng Tools
Socket size

16257
No
mm

-0105
MS1203
17 19 21

STAINLESS



Teng Tools. Set containing 12 stainless 6 point sockets and 1 stainless extension bar.

Supplied on a clippanel with socket clips.

Artnr. **16255**
Teng Tools Nr
Hylsgrepp. mm
Förlängningsstång mm

-0107
MS1213
10 11 12 13 14 15
16 17 18 19 21 24
75

Stainless tools

Socket set with 3/8" □ drive

STAINLESS



Teng Tools. Stainless socket set. Containing 12 pc 6 point regular sockets ,ratchet, extension bars 75 and 150 mm and a step up adaptor 3/8" x 1/2".
Supplied in a plastic case with latch lock, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| Art. no..... | 16752 | -0105 |
|------------------------------------|-------|---|
| Teng Tools..... | No. | TS3816 |
| Number of parts..... | ea. | 16 |
| Regular sockets..... | mm | 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 |
| Step up adaptors..... | inch | 3/8" - 1/2" |
| Extension bars, length..... | mm | 75, 125 |
| Ratchet with 36 teech, length..... | mm | 204 |
| Case size LxWxH..... | mm | 369x198x62 |
| Weight..... | kg | 1.82 |

Socket set with 1/2" □ drive

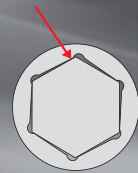
STAINLESS



18 piece stainless socket set. Containing 12 piece regular metric sockets, 3 piece deep metric sockets, ratchet with 36 teeth, 5" extension, adaptor 1/2" F x 3/8" M.
Supplied in plastic case with latch lock in plastic, retractable handle and metal pin hinges. The underside of the case is fitted with rubber feet to prevent it from sliding.

| Art. no..... | 16751 | -0106 |
|------------------------------------|-------|---|
| Teng Tools..... | No. | TS1218 |
| Number of parts..... | ea. | 18 |
| Regular sockets..... | mm | 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 21, 24 |
| deep sockets..... | mm | 17, 19, 21 |
| Reducing adaptor..... | inch | 1/2" - 3/8" |
| Extension bar, length..... | mm | 125 |
| Ratchet with 36 teeth, length..... | mm | 266 |
| Case size LxWxH..... | mm | 369x198x62 |
| weight..... | kg | 3.28 |

- All Teng Tools Sockets and Accessories are individually branded and made from high quality chrome vanadium steel to conform to all the latest DIN and ISO standards.
- All sockets feature the Teng Tools "hip grip" system where the socket drives on the flat rather than on the corner. A system that helps prevent damage to fastenings and helps grip nuts and bolts where the hexagon has been previously damaged.
 - Extensions are available with wobble or square ends.
 - Safety locking system in 3/4" drive to prevent sockets detaching from extension bars accidentally.
 - Each socket and accessory is supplied on a PP card which for 1/4", 3/8" and 1/2" drive includes a socket clip for use on the Teng Tools aluminium clip rails enabling users to build their own individual clip rail sets to suit their own specific requirements.
 - Grub screw fixings on many accessories for added security when working in hard to reach places.
 - 3 way adaptors that convert from one drive to another but also include a T bar facility using a Teng Tools extension bar.
 - Spinner handles with a female drive for added torque.



Sockets and Accessories

Sockets and accessories

The socketry range covers 1/4" through to 1" drive and includes 6 point and 12 point, metric and AF as well as TX-E. A wide selection of bit sockets for hex, TX and TPX is further complimented by a range of bit adaptors for use with the extensive range of bits featured in the screwdriver section of the catalogue.



Extension bars

All of the Teng Tools sockets and accessories are designed and manufactured to meet or exceed the appropriated DIN and ISO standards and all carry the Teng Tools brand name to give warranty assurance.



Teng Tools. Chrome vanadium steel. Satin finish.

| | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 0679 | -0109 | -0158 | -0208 | -0307 | -0356 |
| Teng Tools | No | M140020-C | M140023-C | M140021-C | M140022-C | M140024-C |
| Drive □ | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Length | mm | 50 | 75 | 100 | 150 | 300 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 0679 | -0406 | -0455 | -0505 | -0604 | -0703 |
| Teng Tools | No | M380020-C | M380023-C | M380021-C | M380022-C | M380024-C |
| Drive □ | inch | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Length | mm | 75 | 125 | 150 | 250 | 500 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 |



Teng Tools. Chrome vanadium steel. Satin finish.
Type S with safety locking mechanism.

| | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 7386 | -0108 | -0207 | -0256 | -0306 | -0355 |
| Teng Tools | No | M120020-C | M120021 | M120023-C | M120022-C | M120024-C |
| Drive □ | inch | 1/2 | 1/2 | 1/2 | 1/2 | 1/2 |
| Length | mm | 60 | 125 | 150 | 250 | 500 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 7386 | -0405 | -0454 | -0504 | -0553 | -0603 |
| Teng Tools | No | M340020-C | M340020S-C | M340021-C | M340021S-C | M340022-C |
| Drive □ | inch | 3/4 | 3/4 | 3/4 | 3/4 | 3/4 |
| Length | mm | 100 | 100 | 200 | 200 | 400 |
| Pack | qty | 1 | 1 | 1 | 1 | 1 |
| Art. no. | 7386 | -0652 | -0702 | -0801 | | |
| Teng Tools | No | M340022S-C | M110040 | M110050 | | |
| Drive □ | inch | 3/4 | 1 | 1 | | |
| Length | mm | 400 | 200 | 400 | | |
| Pack | qty | 1 | 1 | 5 | | |



Teng Tools. The drive is designed so that the socket swivels for improved access.
Chrome vanadium steel. Satin finish.

| | | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 0110 | -1708 | -1807 | -1906 | -2003 | -2102 | -2201 |
| Teng Tools | No | M 380020 | M 380021 | M 380022 | M 120020 | M 120021 | M 120022 |
| Drive □ | inch | 3/8 | 3/8 | 3/8 | 1/2 | 1/2 | 1/2 |
| Length | mm | 75 | 150 | 250 | 75 | 150 | 250 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 | 10 |

Universal Joints

Teng Tools. Universal joint. Chrome vanadium steel. Satin finish.



| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 7411 | -0057 | -0073 |
| Teng Tools | No | M140030-C | M380030-C |
| Drive □ | inch | 1/4 | 3/8 |
| Pack | qty | 10 | 10 |
| Art. no. | 7411 | -0107 | -0206 |
| Teng Tools | No | M120030-C | M340030-C |
| Drive □ | inch | 1/2 | 3/4 |
| Pack | qty | 10 | 1 |

Step Up Adaptors

Teng Tools. Chrome vanadium steel. No M380036-C and M110030 with hole for turning using an extension bar. Satin finish.



| Art. no. | 3565 | -0050 | -0100 | -0209 | -0308 | -0407 |
|--|------|-----------|-----------|-----------|-----------|---------|
| Teng Tools | No | M140036-C | M380036-C | M120037-C | M340085-C | M110030 |
| Drive int. □ | inch | 1/4 | 3/8 | 1/2 | 3/4 | 1 |
| Drive ext. □ | inch | 3/8 | 1/2 | 3/4 | 1 | 1 |
| With hole for turning using an extension bar | | no | yes | no | no | yes |
| Length | mm | 25 | 40 | 39.5 | 62 | 82 |
| Pack. | qty | 10 | 10 | 10 | 1 | 1 |

Reducing Adaptors

Teng Tools. Chrome vanadium steel. No M380035-C and M120036-C with hole for turning using an extension bar. Satin finish.



| Art. no. | 3564 | -0101 | -0200 | -0309 |
|--|------|-----------|-----------|-----------|
| Teng Tools | No | M380035-C | M120036-C | M340086-C |
| Drive int. □ | inch | 3/8 | 1/2 | 3/4 |
| Drive ext. □ | inch | 1/4 | 3/8 | 1/2 |
| With hole for turning using an extension bar | | yes | yes | no |
| Length | mm | 30 | 40 | 40 |
| Pack. | qty | 10 | 10 | 1 |

Hexagon Adaptors

Teng Tools. Adaptor with hex drive for mounting in a drill chuck and with external □-drive for sockets at the other end.



| Art. no. | 11711 | -0106 | -0205 |
|-----------------|--------|---------|---------|
| Teng Tools | No | M140037 | M380037 |
| Hexagonal drive | □ inch | 1/4 | 1/4 |
| Square drive | □ inch | 1/4 | 3/8 |
| Quantity | qty | 10 | 10 |



Coupler Adaptors

Teng Tools. With 6-point opening for 1/4" or 5/16" screwdriver bits. Chrome vanadium steel. Satin finish.



| Art. no. | 3563-0102 | 3581-0100 | 3581-0209 |
|------------|-----------|-----------|-----------|
| Teng Tools | No | M140060-C | M380060-C |
| Drive □ | tum | 1/4 | 3/8 |
| For bits □ | inch | 1/4 | 1/2 |
| Length | mm | 25 | 25 |
| Pack. | qty | 10 | 10 |

Teng Tools. With 10 or 12 mm □ drive for Teng Tools bits.



| Art. no. | 10167 | -0057 | -0107 | -0206 |
|----------------------|-------|-----------|-----------|-----------|
| Teng Tools | No | M380061-C | M120061-C | M120062-C |
| Drive □ | inch | 3/8 | 1/2 | 1/2 |
| For bits med □ drive | mm | 10 | 10 | 12 |
| Length | mm | 28 | 38 | 38 |
| Pack. | qty | 10 | 10 | 10 |

Sliding T-bars

Teng Tools. Chrome vanadium steel. Satin finish. Type S with safety locking mechanism.



| Art. no. | 3587 | -0104 | -0153 | -0179 | -0203 | -0302 |
|------------|------|-----------|-----------|-----------|-----------|------------|
| Teng Tools | No | M140050-C | M380050-C | M120050-C | M340050-C | M340050S-C |
| Drive □ | inch | 1/4 | 3/8 | 1/2 | 3/4 | 3/4 |
| Length | mm | 105 | 170 | 243 | 450 | 450 |
| Pack. | qty | 10 | 10 | 10 | 1 | 1 |

Speed Braces

Teng Tools. Chrome vanadium steel. Satin finish. Plastic handle.



| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 11204 | -0100 | -0209 |
| Teng Tools | No | M380011-C | M120011-C |
| Drive □ | inch | 3/8 | 1/2 |
| Length | mm | 380 | 420 |
| Pack | qty | 10 | 10 |

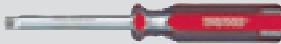
Drivers

Teng Tools. Flexible screwdriver handle. With 1/4" square drive for bit sockets and standard sockets. Black plastic handle with external hexagonal grip for tightening with a spanner. Only for right hand action (permitted load 5 Nm). Suitable bit socket 3563-1/4" see page 0000.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 0018 | -0109 |
| Teng Tools | No | MD514 |
| Drive □ | inch | 1/4 |
| Total length | mm | 260 |
| Pack | qty | 10 |

Teng Tools. Chrome vanadium steel. With □-drive for sockets and socket tools. Handle part has internal □-drive for connection to , e.g. a T-handle.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 3486 | -0106 |
| Teng Tools | No | M140015-C |
| Drive □ | inch | 1/4 |
| Overall length | mm | 150 |
| Pack | qty | 10 |

Teng Tools. Chrome vanadium steel. With 3/8" □-drive for sockets and socket tools. Two part plastic handle. Handle part has internal 3/8" □-drive for connection to, e.g. a T-handle.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 0305 | -0101 |
| Teng Tools | No | PT3810R |
| Drive □ | inch | 3/8 |
| Total length | mm | 250 |
| Pack | qty | 10 |

Socket Set with Flex Handle

Teng Tools. Set with 10 metric bi-hexagon sockets with 1/2"-□-drive and a swivel handle. Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.



| | | |
|---|--------------|----------------------------------|
| Art. no. | 12209 | -0103 |
| Teng Tools | No | TT1211 |
| Sockets' dim. | mm | 10 11 12 13 14 15 16 17 18 19 |
| Swivel handle with 1/2"-□-drive, length | mm | 250 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight | kg | 2.0 |

Flex Handles

Teng Tools. Made of chrome vanadium steel. Matt chromium plated. Two component handle.



M120010

Type S with safety mechanism that secures the socket.



1201

| | | | | | | |
|---|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 7398 | -0104 | -0203 | -0252 | -0302 | -0401 |
| Teng Tools | No | M120010-C | 1201 | 1201A | M340070-C | M340070S-C |
| Drive □ | inch | 1/2 | 1/2 | 1/2 | 3/4 | 3/4 |
| Length | mm | 250 | 425 | 600 | 475 | 475 |
| Pack | qty | 10 | 10 | 10 | 5 | 5 |
| Spare square drive . 7398 | - | - | -1003 | - | - | - |
| Pack | qty | - | 10 | - | - | - |

Teng Tools. Chrome vanadium steel. Satin finish. Curved model Two component handle.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 15280 | -0108 |
| Teng Tools | No | 380,010A-C |
| Drive □ | inch | 3/8 |
| Length | mm | 250 |
| Pack | qty | 10 |

Spark Plug Sockets

Teng Tools. Chrome vanadium steel. With 6 point opening. With rubber insert. External hexagonal grip 24 mm for tightening with a spanner. Satin finish.

| Art. no..... | 3982 | -0105 | -0121 | -0154 | -0204 | -0303 |
|--------------|------|-----------|-----------------------|-----------|-----------|-----------------------|
| Teng Tools. | No | M380040-C | M380041-C Flexible | M380042-C | M380046-C | M380047-C Flexible |
| Size..... | mm | 16 | 16 | 18 | 21 | 21 |
| Length..... | mm | 64 | 85 | 70 | 70 | 91 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 |



Flex Head

Teng Tools. Swivel head of chrome vanadium steel. Satin finish.

| | | |
|--------------------------------|------|-----------|
| Art. no..... | 3585 | -0106 |
| Teng Tools..... | No | M120080-C |
| Drive <input type="checkbox"/> | inch | 1/2 |
| Pack..... | qty | 10 |



1/4" Drive Sockets

Teng Tools. With 6 point openings. Chrome vanadium steel. Satin finish. Length 25 mm. According to standard DIN 3124/ISO 2725.

| Millimetre series Teng Tools M1405-C | | | AF series Teng Tools M1401-C | | | |
|---|------|------|---------------------------------|-------|------|------|
| Art. no | Size | Pack | Art. no | Size | Size | Pack |
| 2567 | mm | qty | 6980 | AF | mm | qty |
| -0100 | 4 | 10 | - | - | - | - |
| -0159 | 4.5 | 10 | - | - | - | - |
| -0209 | 5 | 10 | -0100 | 3/16 | 4.8 | 10 |
| -0258 | 5.5 | 10 | -0209 | 7/32 | 5.6 | 10 |
| -0308 | 6 | 10 | -0308 | 1/4 | 6.4 | 10 |
| -0407 | 7 | 10 | -0407 | 9/32 | 7.1 | 10 |
| -0506 | 8 | 10 | -0506 | 5/16 | 7.9 | 10 |
| -0605 | 9 | 10 | -0605 | 11/32 | 8.7 | 10 |
| -0704 | 10 | 10 | -0704 | 3/8 | 9.5 | 10 |
| -0803 | 11 | 10 | -0803 | 7/16 | 11.1 | 10 |
| -0902 | 12 | 10 | - | - | - | - |
| -1009 | 13 | 10 | -0902 | 1/2 | 12.7 | 10 |



Teng Tools. Deep sockets with 6 point openings. Chrome vanadium steel. Satin finish. Length 49.5 mm. According to standard DIN 3124/ISO 2725.

| Millimetre series Teng Tools M1406-C | | | AF series Teng Tools M1402-C | | | |
|---|------|------|---------------------------------|-------|------|------|
| Art. no | Size | Pack | Art. no | Size | Size | Pack |
| 3562 | mm | qty | 6989 | AF | mm | qty |
| -0038 | 4 | 10 | - | - | - | - |
| -0061 | 5 | 10 | -0101 | 3/16 | 4.8 | 10 |
| -0095 | 5.5 | 10 | -0150 | 7/32 | 5.6 | 10 |
| -0103 | 6 | 10 | -0200 | 1/4 | 6.4 | 10 |
| -0202 | 7 | 10 | -0259 | 9/32 | 7.1 | 10 |
| -0301 | 8 | 10 | -0309 | 5/16 | 7.9 | 10 |
| -0350 | 9 | 10 | -0358 | 11/32 | 8.7 | 10 |
| -0400 | 10 | 10 | -0408 | 3/8 | 9.5 | 10 |
| -0459 | 11 | 10 | -0507 | 7/16 | 11.1 | 10 |
| -0509 | 12 | 10 | -0606 | 1/2 | 12.7 | 10 |
| -0608 | 13 | 10 | - | - | - | - |



1/4" Drive Sockets



Teng Tools. Chrome vanadium steel. For external TX heads. The head gives minimal loss of torque transmission. Satin finish.

| | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 10185 | -0105 | -0204 | -0303 | -0402 | -0501 |
| Teng Tools | M1407- | 04 | 05 | 06 | 07 | 08 |
| Max. head width | mm | 3.86 | 4.75 | 5.74 | 6.22 | 7.52 |
| For screw | M | 3 | 4 | 5 | 6 | 6-7 |
| Length | mm | 23.1 | 24.8 | 24.8 | 24.8 | 24.8 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |



Teng Tools. For slotted heads. For hand tightening. Satin finish.

| | | | | |
|------------------------------|-------------|--------------|--------------|--------------|
| Art. no. | 6828 | -0106 | -0205 | -0304 |
| Teng Tools | No | M141404-C | M141455-C | M141407-C |
| Screwdr. thickn.xwidth | mm | 0.8x4 | 1.2x5.5 | 1.4x7 |
| Length | mm | 25 | 25 | 25 |
| Pack. | qty | 10 | 10 | 10 |



Teng Tools. For screws with Phillips cross heads. For hand tightening. Satin finish.

| | | | | | |
|--------------------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 6826 | -0058 | -0108 | -0207 | -0306 |
| Teng Tools | No | M141300-C | M141301-C | M141302-C | M141303-C |
| For Phillips cross heads | No | 0 | 1 | 2 | 3 |
| Length | mm | 25 | 25 | 25 | 25 |
| Pack. | qty | 10 | 10 | 10 | 10 |



Teng Tools. For screws with Pozidriv and Supadriv cross heads. For hand tightening. Satin finish.

| | | | | |
|--------------------------------|-------------|--------------|--------------|--------------|
| Art. no. | 6835 | -0107 | -0206 | -0305 |
| Teng Tools | No | M141601-C | M141602-C | M141603-C |
| For Pozidriv cross heads | No | 1 | 2 | 3 |
| Length | mm | 25 | 25 | 25 |
| Pack. | qty | 10 | 10 | 10 |



Teng Tools. For internal TX heads. The head gives minimal loss of torque transmission. Satin finish.

| | | | | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 11206 | -0108 | -0207 | -0306 | -0405 | -0504 | -0603 | -0702 |
| Teng Tools M1412T-C | | TX 10 | TX 15 | TX 20 | TX 25 | TX 27 | TX 30 | TX 40 |
| Max. size | mm | 2.74 | 3.27 | 3.86 | 4.43 | 4.99 | 5.52 | 6.65 |
| For screw | M | 3-3.5 | 3.5-4 | 4-5 | 4.5-5 | 4.5-6 | 6-7 | 7-8 |
| Length | mm | 32 | 32 | 32 | 32 | 32 | 32 | 32 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

There are many individual features and benefits on this range, examples include - hip grip sockets for driving on the surface rather than the corner, extensions and accessories with grub screws for added retention, socket clips in the packaging for use with Teng Tool clip rails, a choice of 12 point (bi-hex) or 6 point (hex) in the more popular ranges, clip rail sets with all the popular sockets and socket bits in small sets, and so on.

3/8" Drive Sockets

Teng Tools. With 6 point opening. Chrome vanadium steel. Satin finish. According to standard DIN 3124/ISO 2725.

| Metric series Teng Tools M3805-C | | | AF series Teng Tools M3801-C | | | |
|-------------------------------------|-----------|-----------|---------------------------------|---------|---------|-----------|
| Art. no. | Socket mm | Pack. qty | Art. no. | Size AF | Size mm | Pack. qty |
| 2621 | | | 6995 | | | |
| -0054 | 7 | 10 | - | - | - | - |
| -0104 | 8 | 10 | -0103 | 5/16 | 7.9 | 10 |
| -0203 | 9 | 10 | - | - | - | - |
| -0302 | 10 | 10 | -0202 | 3/8 | 9.5 | 10 |
| -0401 | 11 | 10 | -0301 | 7/16 | 11.1 | 10 |
| -0500 | 12 | 10 | - | - | - | - |
| -0609 | 13 | 10 | -0400 | 1/2 | 12.7 | 10 |
| -0708 | 14 | 10 | -0509 | 9/16 | 14.3 | 10 |
| -0807 | 15 | 10 | - | - | - | - |
| -0906 | 16 | 10 | -0608 | 5/8 | 14.3 | 10 |
| -1003 | 17 | 10 | -0707 | 11/16 | 14.3 | 10 |
| -1102 | 18 | 10 | - | - | - | - |
| -1201 | 19 | 10 | -0806 | 3/4 | 19.1 | 10 |
| -1300 | 20 | 10 | - | - | - | - |
| -1409 | 21 | 10 | -0905 | 13/16 | 20.6 | 10 |
| -1508 | 22 | 10 | -1002 | 7/8 | 22.2 | 10 |



Teng Tools. Long sockets with hexagon openings. Chrome vanadium steel. Satin finish. According to standard DIN 3124/ISO 2725.

| Millimetre-series Teng Tools M3806-C | | | American-series Teng Tools M3802-C | | | |
|---|--------------|-----------|---------------------------------------|--------------|--------------|-----------|
| Art. no. | Size grip mm | Pack. qty | Art. no. | Size grip AF | Size grip mm | Pack. qty |
| 3586 | | | 6997 | | | |
| -0055 | 7 | 10 | - | - | - | - |
| -0105 | 8 | 10 | - | - | - | - |
| -0154 | 9 | 10 | - | - | - | - |
| -0204 | 10 | 10 | -0101 | 3/8 | 9.5 | 10 |
| -0253 | 11 | 10 | -0200 | 7/16 | 11.1 | 10 |
| -0303 | 12 | 10 | - | - | - | - |
| -0402 | 13 | 10 | -0309 | 1/2 | 12.7 | 10 |
| -0451 | 14 | 10 | -0408 | 9/16 | 14.3 | 10 |
| -0477 | 15 | 10 | - | - | - | - |
| -0493 | 16 | 10 | -0507 | 5/8 | 15.9 | 10 |
| -0501 | 17 | 10 | -0606 | 11/16 | 17.5 | 10 |
| -0550 | 18 | 10 | - | - | - | - |
| -0600 | 19 | 10 | -0705 | 3/4 | 19.1 | 10 |
| -0709 | 20 | 10 | -0804 | 13/16 | 20.6 | 10 |
| -0808 | 21 | 10 | - | - | - | - |
| -0907 | 22 | 10 | -0903 | 7/8 | 22.2 | 10 |



Teng Tools. Made of chrome vanadium steel. For external TX heads. The head gives minimal loss of torque transmission. Satin finish.

| Art. no. ... | 10169 | -0105 | -0204 | -0303 | -0402 | -0501 |
|--------------|-------|-----------|-----------|-----------|-----------|-----------|
| Teng Tools | No | M380710-C | M380712-C | M380714-C | M380716-C | M380718-C |
| TX | No | E 10 | E 12 | E 14 | E 16 | E 18 |
| For screw .. | M | 8 | 10 | 12 | 12 | 14 |
| Length | mm | 28 | 28 | 28 | 28 | 28 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |



3/8" Drive Sockets

Teng Tools. Short sockets for internal hex holes. For hand tightening. Chrome vanadium steel. Satin finish.



| Metric series Teng Tools M3815-C | | | AF series Teng Tools M3801-C | | | |
|-------------------------------------|------|-------|---------------------------------|------|------|-------|
| Art. no. | Size | Pack. | Art. no. | Size | Size | Pack. |
| 10207 | mm | qty | 11482 | AF | mm | qty |
| - | - | - | -0103 | 3/32 | 2.4 | 10 |
| -0109 | 3 | 10 | -0202 | 1/8 | 3.2 | 10 |
| -0208 | 4 | 10 | -0301 | 5/32 | 4.0 | 10 |
| -0307 | 5 | 10 | -0400 | 3/16 | 4.8 | 10 |
| -0406 | 5.5 | 10 | -0509 | 7/32 | 5.6 | 10 |
| -0505 | 6 | 10 | -0608 | 1/4 | 6.4 | 10 |
| -0604 | 7 | 10 | - | - | - | - |
| -0703 | 8 | 10 | -0707 | 5/16 | 7.9 | 10 |
| -0802 | 10 | 10 | -0806 | 3/8 | 9.5 | 10 |
| -0901 | 12 | 10 | - | - | - | - |



Teng Tools. Chrome vanadium steel. For internal TX heads (also for tamper proof screws). The head gives minimal loss of torque transmission. For hand tightening. Satin finish.

| Art. no. | 10209 | -0107 | -0206 | -0305 | -0404 | -0503 |
|--------------------|-------|--------|--------|--------|--------|--------|
| Teng Tools M3812-C | No | TPX 10 | TPX 15 | TPX 20 | TPX 25 | TPX 27 |
| Max. head width | mm | 2.74 | 3.27 | 3.86 | 4.43 | 4.43 |
| For screw | M | 3-3.5 | 3.5-4 | 4-5 | 4.5-5 | 4.5-5 |
| Length | mm | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 10209 | -0602 | -0701 | -0800 | -0909 | |
| Teng Tools M3812-C | No | TPX 30 | TPX 40 | TPX 45 | TPX 50 | |
| Max. head width | mm | 5.52 | 6.65 | 7.82 | 8.83 | |
| For screw | M | 6-7 | 7-8 | 8-10 | 10 | |
| Length | mm | 49.5 | 49.5 | 49.5 | 49.5 | |
| Pack. | qty | 10 | 10 | 10 | 10 | |



Teng Tools. Chrome vanadium steel. For internal TX heads. The head gives minimal loss of torque transmission. For hand tightening. Satin finish.

| Art. no. | 10208 | -0108 | -0207 | -0306 | -0405 | -0504 |
|---------------------|-------|-------|-------|-------|-------|-------|
| Teng Tools M3812T-C | No | TX 10 | TX 15 | TX 20 | TX 25 | TX 27 |
| Max. head width | mm | 2.74 | 3.27 | 3.86 | 4.43 | 4.43 |
| For screw | M | 3-3.5 | 3.5-4 | 4-5 | 4.5-5 | 4.5-5 |
| Length | mm | 49.5 | 49.5 | 49.5 | 49.5 | 49.5 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 10208 | -0603 | -0702 | -0801 | -0900 | |
| Teng Tools M3812T-C | No | TX 30 | TX 40 | TX 45 | TX 50 | |
| Max. head width | mm | 5.52 | 6.65 | 7.82 | 8.83 | |
| For screw | M | 6-7 | 7-8 | 8-10 | 10 | |
| Length | mm | 49.5 | 49.5 | 49.5 | 49.5 | |
| Pack. | qty | 10 | 10 | 10 | 10 | |

TypicallyTeng

All Teng Tools individual finish sockets and accessories are now available complete with PP card and socket clip for use with the aluminium clip rail systems - satin finish sockets also feature the Teng Tool hip grip system for added torque in accordance with AS954.



1/2" Drive Sockets



Teng Tools. With 6 point and 12 point openings. Chrome vanadium steel. Satin finish. According to standard DIN 3124/ISO 2725.

| Size mm | 6 point Millimetre series Teng Tools M1205-6-C | | 12 point Millimetre series Teng Tools M1205-C | | 12 point AF series Teng Tools M1201-C | | | |
|------------|--|-------------|---|-------------|---|------------|------------------------|-------------|
| | Art. no <i>7431</i> | Pack qty | Art. no | Pack qty | Size AF | Size mm | Art. no <i>7431</i> | Pack qty |
| 8 | - | - | <i>7431-0038</i> | 10 | - | - | - | - |
| 9 | - | - | <i>7431-0061</i> | 10 | - | - | - | - |
| 10 | <i>-3008</i> | 10 | <i>7431-0103</i> | 10 | 3/8 | 9.5 | <i>-5508</i> | 10 |
| 11 | <i>-3107</i> | 10 | <i>7431-0202</i> | 10 | 7/16 | 11.1 | <i>-5607</i> | 10 |
| 12 | <i>-3206</i> | 10 | <i>7431-0301</i> | 10 | - | - | - | - |
| 13 | <i>-3305</i> | 10 | <i>7431-0400</i> | 10 | 1/2 | 12.7 | <i>-5706</i> | 10 |
| 14 | <i>-3404</i> | 10 | <i>7431-0509</i> | 10 | 9/16 | 14.3 | <i>-5805</i> | 10 |
| 15 | <i>-3503</i> | 10 | <i>7431-0608</i> | 10 | - | - | - | - |
| 16 | <i>-3602</i> | 10 | <i>7431-0707</i> | 10 | 5/8 | 15.9 | <i>-6001</i> | 10 |
| 17 | <i>-3701</i> | 10 | <i>7431-0806</i> | 10 | 11/16 | 17.5 | <i>-6100</i> | 10 |
| 18 | <i>-3800</i> | 10 | <i>7431-0905</i> | 10 | - | - | - | - |
| 19 | <i>-3909</i> | 10 | <i>7431-1002</i> | 10 | 3/4 | 19.1 | <i>-6209</i> | 10 |
| 20 | <i>-4006</i> | 10 | <i>7431-1101</i> | 10 | - | - | - | - |
| 21 | <i>-4105</i> | 10 | <i>7431-1200</i> | 10 | 13/16 | 20.6 | <i>-6407</i> | 10 |
| 22 | <i>-4204</i> | 10 | <i>7431-1309</i> | 10 | 7/8 | 22.2 | <i>-6506</i> | 10 |
| 23 | <i>-4303</i> | 10 | <i>7431-1408</i> | 10 | - | - | - | - |
| 24 | <i>-4402</i> | 10 | <i>7431-1507</i> | 10 | 15/16 | 23.8 | <i>-6605</i> | 10 |
| 25 | <i>-4501</i> | 10 | <i>7431-1556</i> | 10 | 1 | 25.4 | <i>-6704</i> | 10 |
| 26 | <i>-4600</i> | 10 | <i>7431-1655</i> | 10 | - | - | - | - |
| 27 | <i>-4709</i> | 10 | <i>7431-1804</i> | 10 | 1 1/16 | 27 | <i>-6803</i> | 10 |
| 28 | <i>-4808</i> | 10 | <i>7431-1754</i> | 10 | - | - | - | - |
| 29 | <i>-4907</i> | 10 | <i>7431-1853</i> | 10 | 1 1/8 | 28.6 | <i>-6902</i> | 10 |
| 30 | <i>-5003</i> | 10 | <i>7431-2109</i> | 10 | 1 3/16 | 30.2 | <i>-7009</i> | 10 |
| 32 | <i>-5102</i> | 10 | <i>7431-2208</i> | 10 | 1 1/4 | 31.8 | <i>-7108</i> | 10 |
| 33 | <i>-2307</i> | 10 | - | - | - | - | - | - |
| 34 | <i>-5201</i> | 10 | <i>74312-257</i> | - | - | - | - | - |

Teng Tools. Deep - length 79 mm. With 6 point and 12 point openings. Chrome vanadium steel. Satin finish. According to standard DIN 3124/ISO 2725.

| Size mm | 6 point Teng Tools M1206-6-C | | 12 point Teng Tools M1206-C | |
|------------|---------------------------------|--------------|--------------------------------|--------------|
| | Art. no <i>2573</i> | Pack. qty | Art. no | Pack. qty |
| 10 | - | - | <i>-0102</i> | 10 |
| 11 | - | - | <i>-0201</i> | 10 |
| 12 | - | - | <i>-0300</i> | 10 |
| 13 | <i>-2009</i> | 10 | <i>-0409</i> | 10 |
| 14 | <i>-2108</i> | 10 | <i>-0508</i> | 10 |
| 15 | <i>-2207</i> | 10 | <i>-0607</i> | 10 |
| 16 | <i>-2306</i> | 10 | <i>-0706</i> | 10 |
| 17 | <i>-2405</i> | 10 | <i>-0805</i> | 10 |
| 18 | <i>-2504</i> | 10 | <i>-0904</i> | 10 |
| 19 | <i>-2603</i> | 10 | <i>-1001</i> | 10 |
| 20 | - | - | <i>-1100</i> | 10 |
| 21 | - | - | <i>-1209</i> | 10 |
| 22 | - | - | <i>-1308</i> | 10 |
| 24 | <i>-2702</i> | 10 | <i>-1407</i> | 10 |
| 27 | - | - | <i>-1506</i> | 10 |
| 30 | - | - | <i>-1605</i> | 10 |
| 32 | - | - | <i>-1704</i> | 10 |
| 36 | - | - | <i>-1803</i> | 10 |



Teng Tools

1/2" Drive Sockets

Teng Tools. 1/2" drive sockets for internal hex holes. For hand tightening. Satin finish.



| | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 6820 | -0104 | -0203 | -0302 | -0401 | -0500 |
| Teng Tools M1215-C | | | | | | |
| Size | mm | 5 | 6 | 7 | 8 | 9 |
| Total length | mm | 55 | 55 | 55 | 55 | 55 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 6820 | -0609 | -0708 | -0807 | -0906 | |
| Teng Tools M1215-C | | | | | | |
| Size | mm | 10 | 12 | 14 | 17 | |
| Total length | mm | 55 | 55 | 55 | 55 | |
| Pack | qty | 10 | 10 | 10 | 10 | |



Teng Tools. Long sockets for hex type bits. For hand tightening. Chrome vanadium steel. Satin finish.

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 11745 | -0106 | -0205 | -0304 | -0403 | -0502 | -0601 |
| Teng Tools M1225-C | | | | | | | |
| Size | mm | 5 | 6 | 7 | 8 | 10 | 12 |
| Total length | mm | 100 | 100 | 100 | 100 | 100 | 100 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 | 10 |



Teng Tools. Chrome vanadium steel. For **internal** TX heads. The head gives minimal loss of torque transmission. For hand tightening. Satin finish.

| | | | | | | |
|---------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 11740 | -0101 | -0200 | -0309 | -0408 | -0507 |
| Teng Tools M1212T-C | No | TX 20 | TX 25 | TX 27 | TX 30 | TX 40 |
| Max. head width | mm | 3.86 | 4.43 | 4.99 | 5.52 | 6.65 |
| For screw | M | 4-5 | 4.5-5 | 4.5-6 | 6-7 | 7-8 |
| Length | mm | 55 | 55 | 55 | 55 | 55 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 11740 | -0606 | -0705 | -0804 | -0903 | |
| Teng Tools M1212T-C | No | TX 45 | TX 50 | TX 55 | TX 60 | |
| Max. head width | mm | 7.82 | 8.83 | 11.22 | 13.25 | |
| For screw | M | 8-10 | 10 | 12 | 14 | |
| Length | mm | 55 | 55 | 55 | 55 | |
| Pack | qty | 10 | 10 | 10 | 10 | |



Teng Tools. For internal TX heads (also for tamper proof screws). The head gives minimal loss of torque transmission. For hand tightening. Satin finish.

| | | | | | | |
|--------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 6825 | -0109 | -0208 | -0307 | -0406 | -0505 |
| Teng Tools M1212-C | TPX- | 20 | 25 | 27 | 30 | 40 |
| Size | mm | 3.86 | 4.43 | 4.99 | 5.52 | 6.65 |
| For screw | M | 4-5 | 4.5-5 | 4.5-6 | 6-7 | 7-8 |
| Length | mm | 55 | 55 | 55 | 55 | 55 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 6825 | -0604 | -0703 | -0802 | -0901 | |
| Teng Tools M1212-C | TPX- | 45 | 50 | 55 | 60 | |
| Size | mm | 7.82 | 8.83 | 11.22 | 13.25 | |
| For screw | M | 8-10 | 10 | 12 | 14 | |
| Length | mm | 55 | 55 | 55 | 55 | |
| Pack | qty | 10 | 10 | 10 | 10 | |

1/2" Drive Sockets



Teng Tools. Long sockets for internal heads. For hand tightening. The head gives minimal loss of torque transmission. Chrome vanadium steel. Satin finish.

| Art. no. | 11744 | -0107 | -0206 | -0305 | -0404 | -0503 |
|---------------------|-------|-------|-------|-------|-------|-------|
| Teng Tools M1222T-C | TX | 20 | 25 | 27 | 30 | 40 |
| Max. head width | mm | 3.86 | 4.43 | 4.99 | 5.52 | 6.65 |
| For screw | M | 4-5 | 4.5-5 | 4.5-6 | 6-7 | 7-8 |
| Length | mm | 100 | 100 | 100 | 100 | 100 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |

| Art. no. | 11744 | -0602 | -0701 | -0800 | -0909 | -1006 |
|---------------------|-------|-------|-------|-------|-------|-------|
| Teng Tools M1222T-C | TX | 45 | 50 | 55 | 60 | 70 |
| Max. head width | mm | 7.82 | 8.83 | 11.22 | 13.25 | 15.55 |
| For screw | M | 8-10 | 10 | 12 | 14 | 16 |
| Length | mm | 100 | 100 | 100 | 100 | 100 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |



Teng Tools. For external TX heads. The head gives minimal loss of torque transmission. Chrome vanadium steel. Satin finish.

| Art. no. | 11207 | -0107 | -0206 | -0305 | -0404 | -0503 |
|--------------------|-------|-------|-------|-------|-------|-------|
| Teng Tools M1207-C | E 10 | E 11 | E 12 | E 12 | E 14 | E 16 |
| Max. head width | mm | 9.3 | 9.7 | 10.8 | 12.8 | 14.6 |
| For screw | M | 8 | - | 10 | 12 | 12 |
| Length | mm | 37.8 | 37.8 | 37.8 | 37.8 | 37.8 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |

| Art. no. | 11207 | -0602 | -0701 | -0800 | -0909 |
|--------------------|-------|-------|-------|-------|-------|
| Teng Tools M1207-C | E 18 | E 20 | E 22 | E 24 | E 24 |
| Max. head width | mm | 16.6 | 18.4 | 20.3 | 22.16 |
| For screw | M | 14 | 16 | 10 | 18-20 |
| Length | mm | 37.8 | 37.8 | 37.8 | 37.8 |
| Pack. | qty | 10 | 10 | 10 | 10 |



Teng Tools. Long RIL (Ribe) bit sockets. Chrome vanadium. Satin finish.

| Art. no. | 14399 | -0109 | -0208 | -0307 | -0406 |
|------------|-------|-----------|-----------|-----------|-----------|
| Teng Tools | No | M122704-C | M122705-C | M122706-C | M122708-C |
| For screw | M | 4 | 5 | 6 | 8 |
| Length | mm | 100 | 100 | 100 | 100 |
| Pack. | qty | 1 | 1 | 1 | 10 |

| Art. no. | 14399 | -0505 | -0604 | -0703 | -0802 |
|------------|-------|-----------|-----------|-----------|-----------|
| Teng Tools | No | M122710-C | M122711-C | M122712-C | M122713-C |
| For screw | M | 10 | 11 | 12 | 13 |
| Length | mm | 100 | 100 | 100 | 100 |
| Pack. | qty | 10 | 10 | 10 | 10 |





1/2" Drive Sockets

Teng Tools. 100 mm long socket bits for XZN screws. Chrome vanadium steel. Satin finish.

| <i>Art. no.</i> | <i>14400</i> | <i>-0106</i> | <i>-0205</i> | <i>-0304</i> | <i>-0353</i> |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Teng Tools ... | No | M122805-C | M122806-C | M122808-C | M122809-C |
| For screw.... | M | 5 | 6 | 8 | 9 |
| Length | mm | 100 | 100 | 100 | 100 |
| Pack. | qty | 1 | 1 | 1 | 10 |

| <i>Art. no.</i> | <i>14400</i> | <i>-0403</i> | <i>-0502</i> | <i>-0601</i> | <i>-0700</i> |
|----------------------|--------------|--------------|--------------|--------------|--------------|
| Teng Tools ... | No | M122810-C | M122812-C | M122814-C | M122816-C |
| For screw.... | M | 10 | 12 | 14 | 16 |
| Length | mm | 100 | 100 | 100 | 100 |
| Pack. | qty | 1 | 1 | 1 | 1 |

3/4" Drive Sockets

Teng Tools. Chrome vanadium steel. With 6-point and 12-point openings. Satin finish.



| Millimetre-series Teng Tools M-C 6-point | | | | American-series Teng Tools M3401-C 12-point | | | |
|--|--------------------|--------------|--------------|---|--------------------|--------------------|--------------|
| <i>Art. no.</i> | Size grip mm | Length mm | Pack. qty | <i>Art. no.</i> | Size grip AF | Size grip mm | Length mm |
| <i>3620</i> | - | - | - | <i>11493</i> | - | - | - |
| <i>-0103</i> | 19 | 50 | 1 | <i>-0100</i> | 3/4 | 19 | 50 |
| <i>-0202</i> | 21 | 50 | 1 | - | - | - | - |
| <i>-0301</i> | 22 | 50 | 1 | <i>-0209</i> | 7/8 | 22.2 | 51 |
| <i>-0400</i> | 24 | 51 | 1 | <i>-0308</i> | 15/16 | 23.8 | 51 |
| <i>-0459</i> | 26 | 52 | 1 | <i>-0407</i> | 1 | 25.4 | 51 |
| <i>-0509</i> | 27 | 52 | 1 | <i>-0506</i> | 1 1/16 | 27 | 51 |
| - | - | - | - | <i>-0605</i> | 1 1/8 | 28.6 | 51 |
| <i>-0608</i> | 30 | 54 | 1 | <i>-0704</i> | 1 3/16 | 30 | 53 |
| <i>-0707</i> | 32 | 56 | 1 | <i>-0803</i> | 1 1/4 | 31.8 | 55 |
| <i>-0806</i> | 33 | 56 | 1 | - | - | - | - |
| - | - | - | - | <i>-0902</i> | 1 5/16 | 33.3 | 55 |
| <i>-0905</i> | 34 | 56 | 1 | <i>-1009</i> | 1 3/8 | 34.9 | 57 |
| <i>-1002</i> | 36 | 58 | 1 | <i>-1108</i> | 1 7/16 | 36.5 | 57 |
| <i>-1101</i> | 38 | 60 | 1 | <i>-1207</i> | 1 1/2 | 38 | 57 |
| <i>-1200</i> | 41 | 64 | 16 | <i>-1306</i> | 1 5/8 | 41.3 | 63 |
| - | - | - | - | <i>-1405</i> | 1 3/4 | 44.5 | 65 |
| <i>-1309</i> | 46 | 68 | 1 | <i>-1504</i> | 1 3/16 | 46 | 67 |
| - | - | - | - | <i>-1603</i> | 1 7/8 | 47.9 | 69 |
| <i>-1408</i> | 50 | 72 | 1 | <i>-1702</i> | 2 | 50.8 | 71 |

1" Drive Sockets

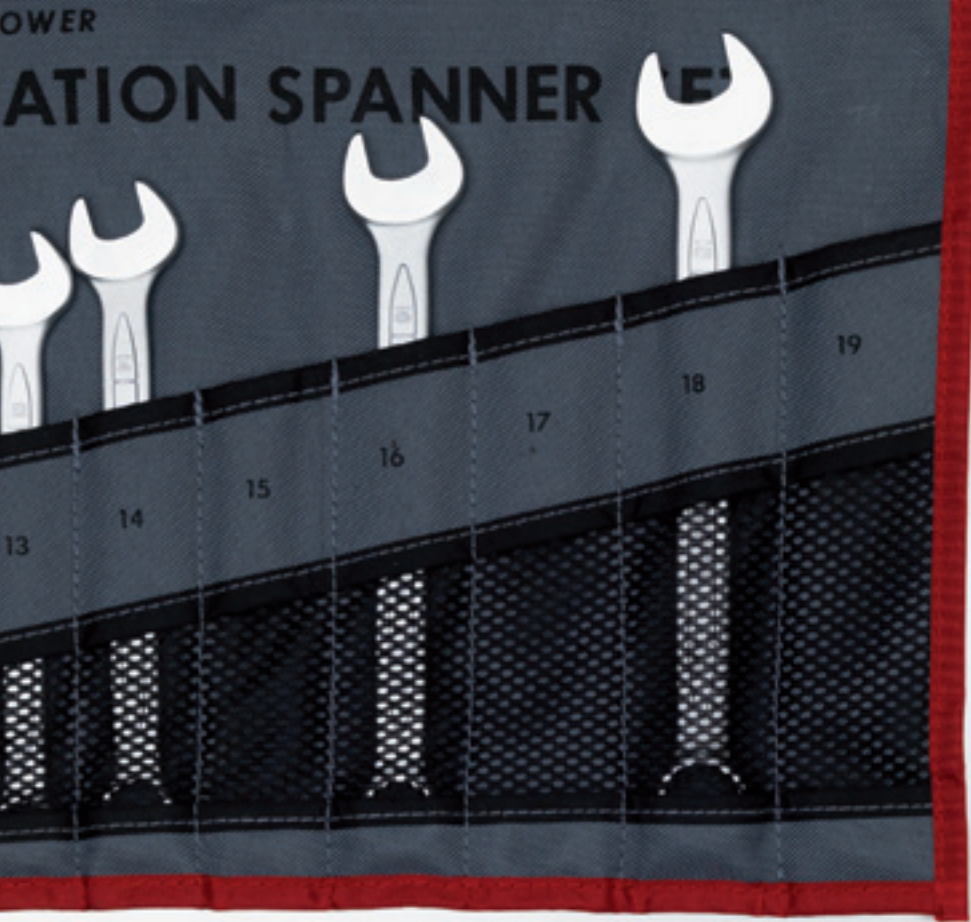
Teng Tools. Chrome vanadium steel. With 12 point openings. Satin finish.



| Metric series Teng Tools M1105 | | | |
|-----------------------------------|------------------|--------------|--------------|
| <i>Art. no.</i> | Teng Tools No | Socket mm | Length mm |
| <i>11484</i> | - | - | - |
| <i>-0101</i> | M110536 | 36 | 65.3 |
| <i>-0200</i> | M110541 | 41 | 70.2 |
| <i>-0309</i> | M110546 | 46 | 74.5 |
| <i>-0408</i> | M110550 | 50 | 75.3 |
| <i>-0507</i> | M110555 | 55 | 80.0 |
| <i>-0606</i> | M110558 | 58 | 80.0 |
| <i>-0705</i> | M110560 | 60 | 84.0 |
| <i>-0804</i> | M110565 | 65 | 87.3 |
| <i>-0903</i> | M110570 | 70 | 93.4 |
| <i>-1000</i> | M110575 | 75 | 96.1 |
| <i>-1109</i> | M110580 | 80 | 103.6 |

OWER

ATION SPANNER



Wrenches and Spanners

Wrenches and spanners

A range that has been developed over many years using DIN and ISO standards as the minimum benchmark for quality and dimensional tolerances. A policy that has resulted in regular best buy ratings in consumer and trade magazines. There is a choice of styles and types of spanner to suit almost any type of application or individual preference. All of the spanners and wrenches are available individually as well as in sets using the Teng Tools TC and EVA tray systems and/or in high quality cloth effect wallets or wall racks.



Combination spanners

- Manufactured and designed in accordance with DIN3113A from high grade chrome vanadium steel.
- 15 degree offset rings to facilitate use even on flat surfaces.
- Hip grip ring ends to drive on the flat rather than the corner to help avoid damage to fastenings and to enable use on previously damaged fastenings.

Ratchetting combination spanners

- Reversible ratchets with 15 degree offset heads for easier use against flat surfaces.
- Flip reverse action for one handed direction change.
- 72 teeth providing a 5 degree increment for a smooth action.

Flex head ratchetting spanners

- Ratchetting 12 point ring spanner with 180 degree flexible joint for access to even the most difficult to reach fastenings.
- 72 teeth providing a 5 degree increment for a smooth action.

Wrenches and Spanners



Spanner dimensions

Spanners

Select the right size

Screws ISO (= standard)



| Metric (SS-ISO 272) | | | | Unified (SS-ISO 272) | | | Wood screw (SS 2020) (DIN 571) | |
|----------------------------------|-----------------------------|---|-----------------------------|-----------------------|--|---|--------------------------------|--------------------------------|
| Thread | M 6 S hexagonal screw | M 6 SF hexagonal screws with flange | SB Steel Const. screw | Thread UNC- UNF | U 6 S hexagonal screw | SB Steel Const. screw | Thread | T 6 S hexagon wood screw |
| | N | N | N | | N | N | | N |
| M 1.6 M 1.8 M 2 | 3,2 3,2 4 | | | | | | | |
| M 2.2 M 2.5 M 3 | 4 5 5,5 | 5 7 | | | | | | |
| M 3.5 M 4 M 4.5 | 6 (5,5) 7 7 | 7 9.5 | | | | | | |
| M 5 M 6 M 7 | 8 10 11 | 7 8 11 8 10 10 13,8 | | 1/4 | 7/16 11,11 | | M 6 | 10 |
| M 8 M 10 M 12 | 13 16 (17) 18 (19) | 10 12 17.7 13 14 21.6 15 26.6 | 18 (19) | 5/16 3/8 1/2 | 1/2 12,7 9/16 14,29 3/4 19,05 | 3/4 19,05 | M 8 M 10 M 12 | 13 16 (17) 18 (19) |
| M 14 M 16 M 18 | 21 (22) 24 27 | 18 19 30 21 | 24 | 5/8 | 15/16 23,81 | 15/16 23,81 | M 16 | 24 |
| M 20 M 22 M 24 | 30 34 (32) 36 | 27 | 30 34 (32) 36 | 3/4 7/8 1 | 1 1/8 28,58 1 5/16 33,34 1 1/2 38,1 | 1 1/8 28,58 1 5/16 33,34 1 1/2 38,1 | M 20 | 30 |
| M 27 M 30 M 33 | 41 46 50 | | | 1 1/4 | 1 7/8 47,63 | | | |
| M 36 M 39 M 42 | 55 60 65 | | | 1 1/2 | 2 1/4 57,15 | | | |
| M 45 M 48 M 52 | 70 75 80 | | | 1 3/4 2 | 2 5/8 66,68 3 76,2 | | | |
| M 56 M 60 M 64 | 85 90 95 | | | | | | | |
| M 68 M 72 M 76 | 100 105 110 | | | | | | | |
| M 80 M 85 M 90 | 115 120 130 | | | | | | | |
| M 95 M 100 M 105 | 135 145 150 | | | | | | | |
| M 110 M 115 M 120 M 125 | 155 165 170 180 | | | | Data in brackets refers to older standards (1985). Screws with several dimensions under sizes = deviate between manufacturers. | | | |

Spanner dimensions

Nuts according to Swedish standard SS (corresponds if applicable with ditto DIN-standard).

















| Metric | M 6 M hexagon nuts | ML 6 M Low hexagon nuts | M 6 MF hexagon nuts with flange | Nyloc/ Loc-King Hex lock- nuts with nylon ring | MKM hexagon castle nuts | MHKM hexagon castle nuts with shoulder | M 6 HM hexagon jointing nuts | MHM Screw cap |
|--------|--------------------------|-------------------------------|--|--|----------------------------------|---|------------------------------------|------------------|
| Thread | N | N | N DF | N | N | N | N | N |
| M 1 | 2,5 | | | | | | | |
| M 1.2 | 2,5 | | | | | | | |
| M 1.4 | 3,2 | | | | | | | |
| M 1.6 | 3,2 | | | | | | | |
| M 1.8 | 3,2 | | | | | | | |
| M 2 | 4 | | | | | | | |
| M 2.2 | 4 | | | | | | | |
| M 2.5 | 5 | | | | | | | |
| M 3 | 5,5 | | | 5,5 | | | | |
| M 3.5 | 5,5 (6) | | | | | | | |
| M 4 | 7 | | | 7 | 7 | 7 | | 7 |
| M 4.5 | 7 | | | | | | | |
| M 5 | 8 | 8 | | 8 | 8 | 8 | | 8 |
| M 6 | 10 | 10 | 10 13.5 | 10 | 10 | 10 | | 10 |
| M 7 | 11 | | | | | | | |
| M 8 | 13 | 13 | 13 17.5 | 13 | 13 | 13 | | 13 |
| M 10 | 16 (17) | 16 (17) | 15 (16) 20,5 (17) | 16 (17) | 16 (17) | 16 (17) | 16 (17) | 16 (17) |
| M 12 | 18 (19) | 18 (19) | 18 25.5 (19) | 18 (19) | 18 (19) | 18 (19) | 18 (19) | 18 (19) |
| M 14 | 21 (22) | | 21 | 21 (22) | 21 (22) | 21 (22) | | 21 (22) |
| M 16 | 24 | 24 | 24 33.5 | 24 | 24 | 24 | 24 | 24 |
| M 18 | 27 | | | | | | | |
| M 20 | 30 | 30 | 30 39 | 30 | 30 | 30 | 30 | 30 |
| M 22 | 34 (32) | | | | | | | |
| M 24 | 36 | 36 | 36 51 | 36 | 36 | 36 | 36 | 36 |
| M 27 | 41 | | | | 41 | 41 | | |
| M 30 | 46 | 46 | | 46 | 46 | 46 | | |
| M 33 | 50 | | | | 50 | 50 | | |
| M 36 | 55 | | | 55 | 55 | 55 | | |
| M 39 | 60 | | | | 60 | 60 | | |
| M 42 | 65 | | | | 65 | 65 | | |
| M 45 | 70 | | | | 70 | 70 | | |
| M 48 | 75 | | | | 75 | 75 | | |
| M 52 | 80 | | | | 80 | 80 | | |
| M 56 | 85 | | | | 85 | 85 | | |
| M 60 | 90 | | | | | | | |
| M 64 | 95 | | | | 95 | 95 | | |
| M 68 | 100 | | | | | | | |
| M 72 | 105 | | | | 105 | 105 | | |
| M 76 | 110 | | | | | | | |
| M 80 | 115 | | | | 115 | 115 | | |
| M 85 | 120 | | | | | | | |
| M 90 | 130 | | | | 130 | 130 | | |
| M 95 | 135 | | | | | | | |
| M 100 | 145 | | | | 145 | 145 | | |
| M 105 | 150 | | | | | | | |
| M 110 | 155 | | | | | | | |
| M 115 | 165 | | | | | | | |
| M 120 | 170 | | | | | | | |
| M 125 | 180 | | | | | | | |

Data in brackets refers to older standards (1985).

Spanner dimensions

Nuts according to Swedish standard SS (corresponds if applicable with ditto DIN-standard).

Unified

| Thread UNC – UNF | U 6 M hexagon nuts | UL 6 M Low hexagon nuts | U 6 MF hexagon nuts with flange | Nyloc/ Loc-King Hex lock- nuts with nylon ring | UKM hexagon castle nuts | UHKM hexagon castle nuts with shoulder | U 6 HM hexagon jointing nuts | UHM Screw cap |
|------------------|--|--|--|--|--|--|--|--|
| |   |   |   |   |   |   |   |   |
| | N | N | N DF | N | N | N | N | N |
| 1/4 | 7/16 11,11 | 7/16 11,11 | 7/16 11,11 14,6 | 7/16 11,11 | | | | 7/16 11,11 |
| 5/16 | 1/2 12,7 | 1/2 12,7 | 1/2 12,7 17,5 | 1/2 12,7 | 1/2 12,7 | | | 1/2 12,7 |
| 3/8 | 9/16 14,29 | 9/16 14,29 | 9/16 14,29 20,6 | 9/16 14,29 | 9/16 14,29 | 9/16 14,29 | 9/16 14,29 | 9/16 14,29 |
| 7/16 | 11/16 17,46 | | | 11/16 17,46 | | | | |
| 1/2 | 3/4 19,05 | 3/4 19,05 | 3/4 19,05 27,2 | 3/4 19,05 | 3/4 19,05 | 3/4 19,05 | 3/4 19,05 | 3/4 19,05 |
| 9/16 | | | | 7/8 22,23 | | | | |
| 5/8 | 15/16 23,81 | 15/16 23,81 | 15/16 23,81 32,8 | 15/16 23,81 | 15/16 23,81 | 15/16 23,81 | 15/16 23,81 | 15/16 23,81 |
| 3/4 | 1 1/8 28,58 | 1 1/8 28,58 | 1 1/8 28,58 39 | 1 1/8 28,58 | 1 1/8 28,58 | 1 1/8 28,58 | 1 1/8 28,58 | 1 1/8 28,58 |
| 7/8 | 1 5/16 33,34 | 1 5/16 33,34 | 1 5/16 33,34 45 | 1 5/16 33,34 | 1 5/16 33,34 | 1 5/16 33,37 | | 1 5/16 33,34 |
| 1 | 1 1/2 38,1 | 1 1/2 38,1 | 1 1/2 38,1 51 | 1 1/2 38,1 | 1 1/2 38,1 | 1 1/2 38,1 | 1 1/2 38,1 | 1 1/2 38,1 |
| 1 1/8 | 1 11/16 42,9 | | | | | | | |
| 1 1/4 | 1 7/8 47,63 | 1 7/8 47,63 | | 1 7/8 47,63 | 1 7/8 47,63 | 1 7/8 47,63 | 1 7/8 47,63 | |
| 1 3/8 | 2 1/16 52,39 | | | | | | | |
| 1 1/2 | 2 1/4 57,15 | 2 1/4 57,15 | | 2 1/4 57,15 | 2 1/4 57,15 | 2 1/4 57,15 | | |
| 1 3/4 | 2 5/8 66,68 | | | 2 5/8 66,68 | 2 5/8 66,68 | | | |
| 2 | 3 76,2 | 3 76,2 | | 3 76,2 | 3 76,2 | | | |
| 2 1/4 | 3 3/4 85,73 | | | 3 3/8 85,73 | 3 3/8 85,73 | | | |
| 2 1/2 | 3 3/4 95,25 | | | 3 3/4 95,25 | 3 3/4 95,25 | | | |
| 2 3/4 | 4 1/8 104,8 | | | 4 1/8 104,8 | 4 1/8 104,8 | | | |
| 3 | 4 1/2 114,3 | | | 4 1/2 114,3 | 4 1/2 114,3 | | | |

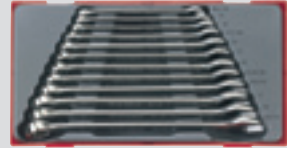
In spanners the range includes metric and AF combination spanners (up to 50mm, double ring spanners, double open ended spanners, long mirror polish spanners, ratchet combination spanners with most available in TC trays, and sets as well as individually. All are manufactured in top grade chrome vanadium steel and carry the Teng Tools logo for added warranty assurance.

Combination Spanner Sets

Teng Tools. Chrome vanadium steel. Same dimension at both ends. The 12 point ring head is set at a 15° angle. Polished heads. Satin finish. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

As an accessory there is a metal ring/carrying handle that keeps the spanners together.

| | | | |
|--------------------------------|-------------|--------------------------------------|---|
| Art. no. | | 2756-0101 | 5805-0303 |
| Teng Tools | No | TT1236 | TT3592 |
| No. of keys | | 12 | 8 |
| Sizes | mm/inch | 8 9 10 11 12 13 14 15 16 17 18 19 | 5/16 3/8 7/16 1/2 9/16 5/8 11/16 3/4 |
| Case size LxWxH | mm | 265x142x50 | 265x142x50 |
| Weight | kg | 1.7 | 0.7 |
| Metal ring/handle | 2756 | -0200 | |
| Teng Tools | No | 600 | |



Metal ring

Teng Tools. Sets of 7 combination spanners of chrome vanadium steel. Same dimension at both ends. The 12-point ring head is angled at a 15° angle. Polished heads. Satin finish.

Fit in Teng Tools tool boxes or tool trolleys.

| | | | |
|--------------------------|-------------|-----------------|---------------------------|
| Art. no. | 6891 | -0108 | -0207 |
| Teng Tools | No | TTX2032 | TTX2640 |
| No. of spanners | st | 7 | 7 |
| Measurement system | | Metric | AF |
| Spanner size | | 20 21 22 24 | 13/16 7/8 15/16 1 |
| Weight | kg | 27 30 32 2.6 | 1 1/16 1 1/8 1 1/4 2.6 |



Teng Tools. Stubby model. Short spanners made of chrome vanadium steel. Same dimension at both ends. The 12-point ring head is set at a 15° angle. Satin finish.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|----------------------------------|
| Art. no. | 10947 | -0104 |
| Teng Tools | No | TT6010M |
| No. of spanners | | 10 |
| Sizes | mm | 10 11 12 13 14 15 16 17 18 19 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |



Teng Tools. Chrome vanadium steel. Same dimension at both ends. The bi-hexagon ring head is set at a 15° angle. Matt chromium plated, with ground heads. Supplied in tool roll.

| | | | |
|-----------------------|-----|--------------------------------|--------------------------------------|
| Art. no. | | 15316-0106 | 15315-0107 |
| Teng Tools | No | 6510MM | 6512MM1 |
| No. of keys | ea. | 10 | 12 |
| Sizes | mm | 8 9 10 11 12 13 14 15 17 19 | 8 9 10 11 12 13 14 15 16 17 18 19 |



Combination Spanner Sets



Teng Tools. Chrome vanadium. Same size at both ends. The 12 point ring head is set at a 15° angle. Satin Finish with polished heads. In a handy tool roll.

| | | |
|--------------------------|--------------|--|
| Art. no. | 16717 | -0109 |
| Teng Tools | No. | 6517MM |
| Number of spanners | e.a. | 17 |
| Sizes | mm | 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22 |



Teng Tools. Chrome vanadium. Same size at both ends. The 12 point ring head is set at a 15° angle. Polished heads. Satin Finish. In a handy tool roll.

| | | |
|--------------------------|--------------|--|
| Art. no. | 16718 | -0108 |
| Teng Tools | No. | 6526MM |
| Number of spanners | e.a. | 26 |
| Sizes | mm | 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 |



Teng Tools. Chrome vanadium combination spanner sets. Same dimension at both ends. The 12 point head is set at a 15° angle. Polished heads. Satin finish. Supplied in a handy tool roll.

| | | | | |
|--------------------------|--------------|--|---|---|
| Art. no. | 15159 | -0106 | -0205 | -0304 |
| Teng Tools | No. | 6507JMM | 6512MM | 6515MM |
| Number of keys | e.a. | 7 | 12 | 15 |
| Measurement system | | Metric | Metric | Metric |
| Sizes | mm/inch | 33, 34, 36, 38, 41, 46, 50 | 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 32 | 5.5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19 |
| Art. no. | 15159 | -0403 | -0502 | -0601 |
| Teng Tools | No. | 6507AF | 6507JAF | 6509AF |
| Number of keys | e.a. | 7 | 7 | 9 |
| Measurement system | | AF | AF | AF |
| Sizes | mm/inch | 1 ³ / ₁₆ , 7 ⁸ / ₁₆ , 1 ⁵ / ₁₆ , 1, 1 ¹ / ₁₆ , 1 ¹ / ₈ , 1 ¹ / ₄ | 1 ⁵ / ₁₆ , 1 ³ / ₈ , 1 ⁷ / ₁₆ , 1 ¹ / ₂ , 1 ⁵ / ₈ , 1 ³ / ₄ , 1 ⁷ / ₈ | 1 ⁴ / ₄ , 5 ¹ / ₁₆ , 3 ⁸ / ₈ , 7 ¹ / ₁₆ , 1 ² / ₂ , 9 ¹ / ₁₆ , 5 ⁸ / ₈ , 1 ¹ / ₁₆ , 3 ⁴ / ₄ |



Combination Spanner Sets

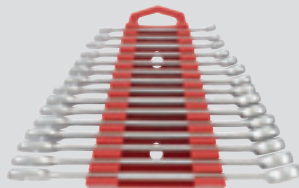
Teng Tools. Rack with 12 combination spanners. Chrome vanadium steel. Same dimension at both ends. The bi-hexagon ring head is set at a 15° angle. Polished heads. Chromium plated. Supplied on a wall rack.

| | | |
|-----------------------|--------------|-------------------|
| Art. no. | 12824 | -0108 |
| Teng Tools | No | WRSP12 |
| No. of keys | ea. | 12 |
| Sizes | mm | 8 9 10 11 12 13 |
| Pack..... | set | 14 15 16 17 18 19 |
| | | 5 |

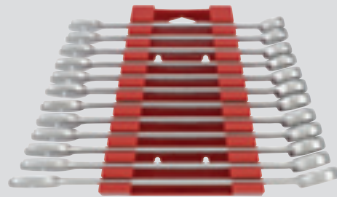


Teng Tools. Set of 10 Combination spanners of chrome vanadium steel. Same dimension at both ends. The bi-hexagon ring head is set at a 15° angle. Polished heads. Satin finish. Supplied in holder for mounting on a wall or tool panel . With carrying handle.

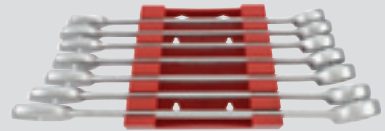
| | | |
|--------------------------|--------------|---------------|
| Art. no. | 11743 | -0108 |
| Teng Tools | No | 6510A |
| No. of keys | ea. | 10 |
| Measurement system | | Millimetre |
| Sizes | mm | 8 10 11 12 13 |
| Weight..... | kg | 1.1 |
| Pack..... | sts | 5 |



6515MMA



6512MMA



6507JMMA

Teng Tools. 3 sets with combination spanners in a special holder which can be connected to each other to one unit. Spanners are made of chrome vanadium. Satin finish. Same dimension at both ends. The 12-point ring end is set at 15° angle.

| | | | | |
|-----------------------|--------------|----------------------|-------------------|----------------------|
| Art. no. | 15491 | -0103 | -0202 | -0301 |
| Teng Tools | No | 6515MMA | 6512MMA | 6507JMMA |
| Number of keys | ea. | 15 | 12 | 7 |
| Sizes | mm | 5.5 6 7 8 9 10 11 12 | 20 21 22 23 24 25 | 33 34 36 38 41 46 50 |
| | | 13 14 15 16 17 18 19 | 26 27 28 29 30 32 | |

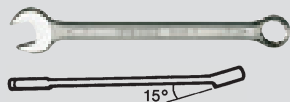
Combination Spanner Sets



Teng Tools. Chrome vanadium steel. Long model. Same dimension at both ends. The 12 point ring head is angled at a 15° angle. Satin finish. Supplied in tool roll.

| | | |
|--------------------------|--------------|------------------------------|
| Art. no. | 11652 | -0107 |
| Teng Tools | No | 6059LMP |
| No. of keys | | 9 |
| Measurement system | | Metric |
| Sizes | mm | 8 10 11 12 13 14 15 17 19 |
| Pack. | set | 4 |

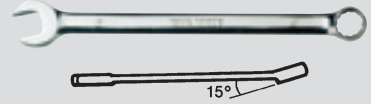
Combination Spanner Range



Teng Tools. Slim and strong. Chrome vanadium steel. Manufactured according to DIN 3113A - ISO 3318 - ISO 7738. Same dimension at both ends. The 12 point ring head is set at a 15° angle. Polished heads. Satin finish.

| Metric series Teng Tools 6005 | | | AF series Teng Tools 6001 | | | Length mm | Jaw thickness mm | Ring height mm | |
|----------------------------------|-----------|--------------|------------------------------|------------|------------|--------------|------------------------|----------------------|--------------|
| Art. no. 7267 | Key mm | Pack. qty | Art. no. 7267 | Size AF | Size mm | | | | Pack. qty |
| -0052 | 5.5 | 10 | - | - | - | - | 95 | 3.5 | 4.1 |
| -0102 | 6 | 10 | -3007 | 1/4 | 6.3 | 10 | 100 | 4.0 | 4.7 |
| -0201 | 7 | 10 | - | - | - | - | 110 | 4.0 | 5.0 |
| -0300 | 8 | 10 | -3106 | 5/16 | 7.9 | 10 | 120 | 4.5 | 5.5 |
| -0409 | 9 | 10 | - | - | - | - | 130 | 4.5 | 5.9 |
| -0508 | 10 | 10 | -3205 | 3/8 | 9.5 | 10 | 140 | 5.0 | 6.5 |
| -0607 | 11 | 10 | -3304 | 7/16 | 11.1 | 10 | 150 | 5.4 | 6.9 |
| -0706 | 12 | 10 | - | - | - | - | 160 | 5.5 | 7.3 |
| -0805 | 13 | 10 | -3403 | 1/2 | 12.7 | 10 | 170 | 5.9 | 7.8 |
| -0904 | 14 | 5 | -3502 | 9/16 | 14.3 | 5 | 180 | 6.2 | 8.3 |
| -1001 | 15 | 5 | - | - | - | - | 190 | 6.4 | 8.6 |
| -1100 | 16 | 5 | -3601 | 5/8 | 15.9 | 5 | 200 | 6.7 | 8.9 |
| -1209 | 17 | 5 | - | - | - | - | 210 | 6.9 | 9.3 |
| -1308 | 18 | 5 | -3700 | 11/16 | 17.5 | 5 | 220 | 7.2 | 9.9 |
| -1407 | 19 | 5 | -3809 | 3/4 | 19.1 | 5 | 230 | 7.4 | 10.5 |
| -1506 | 20 | 5 | - | - | - | - | 240 | 7.7 | 10.9 |
| -1605 | 21 | 5 | -3825 | 13/16 | 20.6 | 5 | 250 | 8.0 | 11.3 |
| -1704 | 22 | 5 | -3833 | 7/8 | 22.2 | 5 | 260 | 8.2 | 11.5 |
| -1803 | 23 | 5 | - | - | - | - | 270 | 8.4 | 11.8 |
| -1902 | 24 | 5 | -3841 | 15/16 | 23.8 | 5 | 280 | 8.7 | 12.1 |
| -2009 | 25 | 5 | -3858 | 1 | 25.4 | 5 | 290 | 8.9 | 12.5 |
| -2108 | 26 | 5 | - | - | - | - | 300 | 9.2 | 12.8 |
| -2207 | 27 | 5 | -3866 | 1 1/16 | 27 | 5 | 310 | 9.4 | 13.1 |
| -2306 | 28 | 5 | - | - | - | - | 320 | 9.7 | 13.3 |
| -2405 | 29 | 5 | -3874 | 1 1/8 | 28.6 | 5 | 330 | 9.9 | 13.5 |
| -2504 | 30 | 5 | - | - | - | - | 340 | 10.1 | 13.7 |
| -2603 | 32 | 5 | -3882 | 1 1/4 | 31.8 | 5 | 360 | 10.4 | 14.3 |
| -2652 | 33 | 5 | -3908 | 1 5/16 | 33.3 | 5 | 380 | 10.7 | 15.0 |
| -2686 | 34 | 5 | -4005 | 1 3/8 | 34.9 | 5 | 380 | 10.7 | 15.0 |
| -2702 | 36 | 5 | -4104 | 1 7/16 | 36.5 | 5 | 410 | 13.5 | 19.2 |
| -2751 | 38 | 5 | -4203 | 1 1/2 | 38.1 | 5 | 430 | 15.0 | 20.4 |
| -2801 | 41 | 5 | -4302 | 1 5/8 | 41.3 | 5 | 460 | 16.0 | 21.6 |
| - | - | - | -4401 | 1 3/4 | 44.5 | 5 | 500 | 17.0 | 23.0 |
| -2850 | 46 | 5 | - | - | - | - | 500 | 17.0 | 23.0 |
| - | - | - | -4500 | 1 7/8 | 47.6 | 5 | 500 | 18.0 | 24.6 |
| -2900 | 50 | 5 | - | - | - | - | 540 | 18.0 | 24.6 |
| -2926 | 55 | 4 | - | - | - | - | 560 | 21.5 | 28.0 |
| -2942 | 58 | 4 | - | - | - | - | 600 | 23.5 | 30.0 |
| -2959 | 60 | 4 | - | - | - | - | 600 | 23.5 | 30.0 |
| -2967 | 65 | 3 | - | - | - | - | 680 | 25.0 | 32.0 |
| -2983 | 70 | 3 | - | - | - | - | 680 | 25.0 | 32.0 |

Combination Spanner Range



Teng Tools. Chrome vanadium steel. Extra long. Same dimension at both ends. The 12 point ring head is set at a 15° angle. Chrome plated and mirror polished.

| Artnr..... | 11649 | -0103 | -0202 | -0301 | -0400 | -0509 | -0608 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|
| Teng Tools-no 6059 | | | | | | | |
| Spanner size | mm | 8 | 9 | 10 | 11 | 12 | 13 |
| Length..... | mm | 148 | 158 | 168 | 188 | 198 | 208 |
| Jaw thickness | mm | 4.9 | 5.0 | 5.6 | 5.6 | 6.3 | 6.7 |
| Ring height..... | mm | 5.3 | 6.2 | 6.4 | 7.3 | 7.9 | 8.6 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 | 10 |

| Artnr..... | 11649 | -0707 | -0806 | -0905 | -1002 | -1101 | -1200 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|
| Teng Tools-no 6059 | | | | | | | |
| Spanner size | mm | 14 | 15 | 16 | 17 | 18 | 19 |
| Length..... | mm | 228 | 238 | 246 | 266 | 276 | 285 |
| Jaw thickness | mm | 7.4 | 7.6 | 8.2 | 8.2 | 9.0 | 9.1 |
| Ring height..... | mm | 9.0 | 9.9 | 10.4 | 10.5 | 12.4 | 12.6 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 | 10 |

Teng Tools. Chrome vanadium steel. Stubby model for accessibility. Same dimension at both ends. Satin finish.

| Art. no. | 11651 | -0108 | -0207 | -0306 | -0405 | -0504 |
|--------------------|-------|-------|-------|-------|-------|-------|
| Teng Tools 6005M | | | | | | |
| Size | mm | 10 | 11 | 12 | 13 | 14 |
| Length | mm | 95 | 100 | 105 | 110 | 115 |
| Jaw thickness..... | mm | 5.1 | 5.9 | 6.6 | 6.7 | 7.4 |
| Ring height..... | mm | 7.0 | 7.8 | 8.2 | 8.8 | 9.1 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 |

| Art. no. | 11651 | -0603 | -0702 | -0801 | -0900 | -1007 |
|--------------------|-------|-------|-------|-------|-------|-------|
| Teng Tools 6005M | | | | | | |
| Size | mm | 15 | 16 | 17 | 18 | 19 |
| Length | mm | 120 | 125 | 130 | 135 | 140 |
| Jaw thickness..... | mm | 7.5 | 8.1 | 8.3 | 8.7 | 9.4 |
| Ring height..... | mm | 9.2 | 9.8 | 10.3 | 11.0 | 11.2 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 |



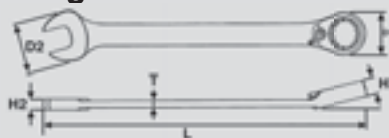
Ratcheting Combination Spanner Range

Teng Tools. Chrome vanadium. Combined ring/open ended spanners. With 12 point ring ratchet set at a 15° angle. Same size at both ends. Satin Finish. In tool roll.

| Art. no. | 16715 | -0101 |
|-----------------|-------|-------------------------------|
| Teng Tools..... | No. | 6508RMM |
| Sizes..... | mm | 8, 10, 11, 12, 13, 14, 17, 19 |



Ratcheting Combination Spanner Range



Teng Tools. Chrome vanadium steel. Combined ring-open-ended spanner and 12-point ring ratchet. The bi-hexagon ring head is set at a 15° angle. Same size at both ends.

| Millimetre-series Teng Tools 6005R | | | American-series Teng Tools 6001R | | | | Length | Jaw thickness | Ring height |
|---------------------------------------|---------------------|--------------|-------------------------------------|---------------------|---------------------|--------------|--------|------------------|----------------|
| Art. no. | Size width mm | Pack. qty | Art. no. | Size width AF | Size width mm | Pack. qty | | | |
| 10972 | 8 | 10 | 10972 | 5/16 | 7.9 | 10 | 140 | 4.6 | 6.5 |
| -0102 | 9 | 10 | - | - | - | - | 150 | 4.9 | 6.9 |
| -0300 | 10 | 10 | -2108 | 3/8 | 9.5 | 10 | 159 | 5.3 | 7.3 |
| -0409 | 11 | 10 | -2207 | 7/16 | 11.1 | 10 | 165 | 5.6 | 7.7 |
| -0508 | 12 | 10 | - | - | - | - | 172 | 6.0 | 8.2 |
| -0607 | 13 | 10 | -2306 | 1/2 | 12.7 | 10 | 178 | 6.4 | 8.6 |
| -0706 | 14 | 5 | -2405 | 9/16 | 14.3 | 5 | 191 | 6.8 | 9.0 |
| -0805 | 15 | 5 | - | - | - | - | 200 | 7.0 | 9.1 |
| -0904 | 16 | 5 | -2504 | 5/8 | 15.9 | 5 | 208 | 7.2 | 9.9 |
| -1001 | 17 | 5 | - | - | - | - | 226 | 7.7 | 10.3 |
| -1100 | 18 | 5 | -2603 | 11/16 | 17.5 | 5 | 237 | 8.2 | 10.7 |
| -1209 | 19 | 5 | -2702 | 3/4 | 19.1 | 5 | 248 | 8.8 | 11.2 |
| - | - | - | -2801 | 13/16 | 20.6 | 5 | 290 | 9.0 | 13.0 |
| -1308 | 22 | 5 | -2900 | 7/8 | 22.2 | 5 | 290 | 9.0 | 13.0 |
| -1407 | 24 | 5 | - | - | - | - | 323 | 10.0 | 14.5 |
| -1506 | 27 | 5 | - | - | - | - | 359 | 10.5 | 15.5 |
| -1605 | 30 | 5 | - | - | - | - | 403 | 11.4 | 17.0 |
| -1704 | 32 | 5 | - | - | - | - | 425 | 12.5 | 17.5 |



Teng Tools. Ratcheting combination spanner set. Combined ring/open ended spanner and 12 point ring ratchet with 72 teeth. Same size at both ends. Hardness HRC 43-49. Chrome vanadium. Satin Finish. In handy tool roll.

| | | |
|--------------------------|--------------|-------------------------------|
| Art. no. | 16716 | -0100 |
| Teng Tools | No. | 6508RSMM |
| Number of spanners | e.a. | 8 |
| Sizes | mm | 8, 10, 11, 12, 13, 14, 17, 19 |



Teng Tools. Chrom vanadium. Combined ring/open ended spanner and 12 point ring ratchet. Straight model. Same size at both ends. Satin finish.

| Art. no. | 16268 | -0102 | -0201 | -0300 | -0409 | -0508 | -0607 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|
| Teng Tools 6005RS | | | | | | | |
| Size | mm | 8 | 9 | 10 | 11 | 12 | 13 |
| Length | mm | 111 | 123 | 131 | 147 | 155 | 164 |
| Jaw height | mm | 4 | 4.4 | 4.8 | 5.2 | 5.5 | 5.8 |
| Ring height | mm | 7 | 7.2 | 7.6 | 8 | 8.5 | 8.9 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 16268 | -0706 | -0805 | -0904 | -1001 | -1100 | -1209 |
| Teng Tools 6005RS | | | | | | | |
| Size | mm | 14 | 15 | 16 | 17 | 18 | 19 |
| Length | mm | 182 | 192 | 202 | 223 | 234 | 246 |
| Jaw height | mm | 6.2 | 6.5 | 6.8 | 7.2 | 7.7 | 8.2 |
| Ring height | mm | 9.3 | 9.7 | 10.2 | 10.6 | 11.0 | 11.5 |
| Pack. | qty | 5 | 5 | 5 | - | 5 | 5 |

Ratcheting Combination Spanner Range

Teng Tools. Set of 8 ratcheting combination spanners. Chrome vanadium steel. Combined ring/open-ended spanner and 12 point ring ratchet. Reversible ratchet function with lever. Same size at both ends. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| Art. no. | 10973 | -0101 | -0200 |
|-----------------------|---------|-------------|--------------------|
| Teng Tools | No | TT6508R | TT6508RAF |
| No. of keys | qty | 8 | 8 |
| Sizes | mm/inch | 8 10 11 12 | 5/16 3/8 7/16 1/2 |
| | | 13 14 17 19 | 9/16 5/8 11/16 3/4 |
| Case size LxWxH | mm | 265x142x50 | 265x142x50 |
| Weight | kg | 1.1 | 1.1 |

Teng Tools. Set containing 8 ratcheting combination spanners. Chrome vanadium. Combined ring/open ended spanners with 12 point ring ratchet. Straight model. Same size at both ends. Satin finish.

Fit in Teng Tools stool boxes and roller cabinets.



| Art. no. | 16672 | -0102 |
|--------------------------|-------|-------------|
| Teng Tools | No | TT6508RS |
| Number of spanners | qty | 8 |
| Key sizes | mm | 8 10 11 12 |
| | | 13 14 17 19 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |

Teng Tools. Set of 8 swivel combination ring ratchet spanners made of chrome vanadium steel. The ring end swivels 180°. Same size at both ends. Straight spanners are turned when shifting between right and left-hand action.

Supplied in plastic case with removable lock. Fits in Teng Tools tool boxes and tool trolleys.

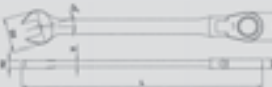


| Art. no. | 13190 | -0102 |
|-----------------------|-------|-------------|
| Teng Tools | No | TT6508RF |
| No. of keys | ea. | 8 |
| Sizes | mm | 8 10 11 12 |
| | | 13 14 17 19 |
| Case dim. LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |

Teng Tools. Swivel ring ratchet made of chrome vanadium steel. The ring end swivels 180°. Same size at both ends. Straight spanner is turned when shifting between right and left-hand action. Satin finish.



| Art. no. | 13189 | -0105 | -0204 | -0303 | -0402 | -0501 | -0600 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|
| Teng Tools | 6005 | 08RF | 09RF | 10RF | 11RF | 12RF | 13RF |
| Size | mm | 8 | 9 | 10 | 11 | 12 | 13 |
| Length | mm | 127 | 131 | 136 | 141 | 147 | 154 |
| Jaw thickness | mm | 4.0 | 4.4 | 4.8 | 5.2 | 5.5 | 5.8 |
| Ring height | mm | 6.8 | 7.2 | 7.6 | 8.0 | 8.5 | 9.0 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 |



| Art. no. | 13189 | -0709 | -0808 | -0907 | -1004 | -1103 | -1202 |
|---------------------|-------|-------|-------|-------|-------|-------|-------|
| Teng Tools | 6005 | 14RF | 15RF | 16RF | 17RF | 18RF | 19RF |
| Size | mm | 14 | 15 | 16 | 17 | 18 | 19 |
| Length | mm | 160 | 169 | 179 | 190 | 203 | 215 |
| Jaw thickness | mm | 6.2 | 6.5 | 6.8 | 7.2 | 7.7 | 8.2 |
| Ring height | mm | 9.3 | 9.7 | 10.2 | 10.6 | 11.0 | 11.5 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 |

Compact Double Ring Spanner

Teng Tools. Rigger Jigger. Angled, compact, special ring spanner with 12 point opening. Designed for good access.



| Art. no. | 10166 | -0108 |
|------------------|-------|--------|
| Teng Tools | No | 601013 |
| Sizes | mm | 10x13 |
| Length | mm | 120 |
| Pack. | qty | 10 |



Double flex wrenches

- Double ended 12 point double flex wrenches with 180 degree flexible joint for access to even the most difficult to reach fastenings.
- Thicker handle design gives a more comfortable grip.
- Ideal for fast pre tightening or loosening.
- The bi-flex wrench is also well worth a look combining 1/4" drive for use with sockets and a 1/4" hex drive for use with screwdriver, hex and TX bits with all the benefits of the flexible head for fast pretightening/loosening and good leverage.



Nut drivers

- Manufactured from TTMV material for added strength and hardness.
- 6 point opening for secure turning of fastenings.
- Bi material, ergonomically designed handle with T drive facility and hanging hole.

Mirror polished long reach combination spanners

- Extra long reach for added torque.
- Mirror polished chrome finish as an alternative to the satin finish range.



Double ring spanners

- With double curved 75 degree high angle offset heads
- The best selling "Rigger Jigger" is also well worth a look combining 10mm and 13mm ring ends on a short pocket sized wrench that is ideal for the most common fastenings in use today.

Wrenches and Spanners

Double Ring Spanner Sets



Teng Tools. Chrome vanadium steel. Double, with different size 12 point sizes at each end. Manufactured according to DIN 838. Double angled 75° - high angle. Satin finish. Supplied in tool roll.

| | | |
|-----------------------|--------------|---------------------------------|
| Art. no. | 15164 | -0109 |
| Teng Tools..... | No | 6308MM |
| No. of spanners..... | | 8 |
| Sizes..... | mm | 6x7 8x9 10x11 12x13 |
| Weight..... | kg | 14x15 16x17 18x19 20x22 1.38 |



Teng Tools. Chrome vanadium steel. Double, with different size 12 point sockets at each end. Manufactured according to DIN 838/ISO 3318. Satin finish. Fits in Teng Tools tool boxes and tool trolleys.

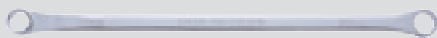
| | | |
|-----------------------|-------------|--|
| Art. no. | 6891 | -0157 |
| Teng Tools..... | No | TTX6311 |
| No. of keys..... | | 11 |
| Sizes..... | mm | 6x7 8x9 10x11 12x13 |
| Case size LxWxH..... | mm | 14x15 16x17 18x19 20x22 |
| Weight..... | kg | 21x23 24x27 30x32 560x110x60 2.9 |

Double Ring Spanner Range



Teng Tools. Double, with different size 12 point sockets at each end. Dimensions according to DIN 838. Chrome vanadium steel. Doubled curved 75° - high angle. Satin finish.

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 11196 | -0100 | -0209 | -0308 | -0407 | -0506 | -0605 |
| Teng Tools..... | No | 630607 | 630809 | 631011 | 631213 | 631415 | 631617 |
| Sizes..... | mm | 6x7 | 8x9 | 10x11 | 12x13 | 14x15 | 16x17 |
| Length..... | mm | 168 | 183 | 198 | 217 | 239 | 260 |
| Ring height..... | mm | 5.6-6.3 | 6.6-7.0 | 7.4-7.7 | 8.1-8.4 | 8.8-9.1 | 9.5-9.8 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 11196 | -0704 | -0803 | -0902 | -1009 | -1108 | |
| Teng Tools..... | No | 631819 | 6312022 | 6312123 | 6312427 | 6313032 | |
| Sizes..... | mm | 18x19 | 20x22 | 21x23 | 24x27 | 30x32 | |
| Length..... | mm | 292 | 318 | 326 | 329 | 362 | |
| Ring height..... | mm | 10.1-10.4 | 10.9-11.4 | 11.2-11.6 | 12.4-13.4 | 14.4-15.2 | |
| Pack..... | qty | 10 | 5 | 5 | 5 | 5 | |



Teng Tools. Flat double ring spanners. With different bi-hexagonal openings at each end. Metric. Satin Finish.

| | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 15161 | -0102 | -0151 | -0201 | -0300 | -0409 |
| Teng Tools..... | No | 630810FL | 631113FL | 631214FL | 631719FL | 632224FL |
| Sizes..... | mm | 8x10 | 11x13 | 12x14 | 17x19 | 22x24 |
| Length..... | mm | 265 | 328 | 328 | 407 | 430 |
| Ring height..... | mm | 12.5-15 | 10.4-11.3 | 17.8-20.3 | 23.7-26.6 | 31.3-34.0 |
| Pack..... | qty | 10 | 1 | 10 | 10 | 5 |

Double Open Ended Spanner Sets

Teng Tools. Set of 8 double open ended spanners. Chrome vanadium steel. Polished heads.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------|-------------|--|
| Art. no. | 0390 | -0107 |
| Teng Tools | No | TT6208 |
| No. of keys | | 8 |
| Measurement system | | Metric |
| Sizes | mm | 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.8 |

Teng Tools. Double, open ended spanners in set. Chrome vanadium steel. Dimensions according to DIN 3110/ISO 3318. Satin finish. Supplied in tool roll.



| | | |
|-----------------------|--------------|---|
| Art. no. | 15165 | -0108 |
| Teng Tools | No | 6211MM |
| No of spanners | | 11 |
| Sizes | mm | 6x7 8x9 10x11 12x13 14x15 16x17 18x19 20x22 21x23 24x27 30x32 |
| Weight | kg | 1.93 |

Double Open Ended Spanner Range

Teng Tools. Double. Chrome vanadium steel. Dimensions according to DIN 3110/ISO 3318. Angle 15°. Satin finish.



| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 10170 | -0102 | -0201 | -0300 | -0409 | -0508 | -0607 |
| Teng Tools | No | 620607 | 620809 | 621011 | 621213 | 621415 | 621617 |
| Sizes | mm | 6x7 | 8x9 | 10x11 | 12x13 | 14x15 | 16x17 |
| Length | mm | 123 | 140 | 156 | 172 | 189 | 204 |
| Jaw thickness .. | mm | 3.7 | 4.0 | 5.0 | 5.5 | 5.9 | 6.3 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 10170 | -0706 | -0805 | -0904 | -1001 | -1100 | |
| Teng Tools | No | 621819 | 622022 | 622123 | 622427 | 623032 | |
| Sizes | mm | 18x19 | 20x22 | 21x23 | 24x27 | 30x32 | |
| Length | mm | 221 | 237 | 247 | 263 | 298 | |
| Jaw thickness .. | mm | 6.7 | 7.1 | 7.7 | 8.1 | 9.0 | |
| Pack | qty | 10 | 5 | 5 | 5 | 5 | |

Double Flex Wrenches

Teng Tools. Chrome vanadium steel. Double, with different size 12 point sockets at each end. Satin finish. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-----------------------|-------------|--------------------------------------|
| Art. no. | 7300 | -0101 |
| Teng Tools | No | TT6506 |
| No. of keys | | 6 |
| Sizes | mm | 8x9 10x11 12x13 14x15 16x17 18x19 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.57 |
| Pack | qty | 10 |



Double Flex Wrenches

Teng Tools. Rack with 6 double swivel head wrenches. Chrome vanadium steel. With different size 12-point sockets at each end. The sockets fitted using a screw. Chromium plated. Supplied on wall rack.

| | | |
|-----------------------|--------------|-------------------|
| Art. no. | 12823 | -0109 |
| Teng Tools | No | WRDF06 |
| No. of keys | ea. | 6 |
| Sizes | mm | 8x9 10x11 12x13 |
| Pack..... | set | 14x15 16x17 18x19 |
| | | 5 |



Teng Tools. Chrome vanadium steel. Double, with different size 12 point sockets at each end. Satin finish.

| Metric series Teng Tools 6500 | | | AF series Teng Tools 6100 | | | Length | |
|----------------------------------|--------------------|--------------|------------------------------|-----------|-----------|--------|-------|
| Art. no. | Size vidd mm | Pack. qty | Art. no. | Size | Size | | Pack. |
| 7292 | - | - | 7292 | AF | mm | qty | mm |
| -0200 | 8x9 | 20 | - | - | - | - | 192 |
| -0309 | 10x11 | 20 | -1000 | 3/8x7/16 | 9.5x11.1 | 20 | 200 |
| -0358 | 10x13 | 1 | - | - | - | - | 213 |
| -0408 | 12x13 | 20 | -1109 | 1/2x9/16 | 12.7x14.3 | 20 | 218 |
| -0507 | 14x15 | 20 | - | - | - | - | 238 |
| -0606 | 16x17 | 20 | -1208 | 5/8x11/16 | 15.9x17.5 | 20 | 264 |
| -0705 | 18x19 | 20 | - | - | - | - | 285 |



Teng Tools. Bi-Flex-wrench. Equipped with 1/4" bit socket at one end of the wrench and 1/4" □-drive at the other end.

| | | |
|--------------------------------|-------------|--------------|
| Art. no. | 1558 | -0103 |
| Teng Tools | No | 691406 |
| With socket drive | □ | 1/4 |
| With bit socket for bits | □ | 1/4 |
| Length of wrench | mm | 200 |
| Pack. | qty | 10 |



Flare Nut Wrench Range

Teng Tools. Chrome vanadium steel. Double, angled flared nut spanners with different openings at each end. Satin finish.

| Metric series | | | | AF series | | | | Length | Ring height | |
|---------------|------------|-------|-------|--------------|------------|----------|-----------|--------|-------------|-------|
| Art. no. | Teng Tools | Size | Pack. | Art. no. | Teng Tools | Size | Size | | | Pack. |
| 10584 | no | mm | qty | 10584 | no | AF | mm | qty | mm | mm |
| -0102 | 641011 | 10x11 | 10 | - | - | - | - | - | 152 | 7.9 |
| - | - | - | - | -0300 | 661416 | 7/16x1/2 | 11.1x12.7 | 10 | 159 | 11.9 |
| -0201 | 641213 | 12x13 | 10 | - | - | - | - | - | 178 | 10.0 |
| -0227 | 641314 | 13x14 | 1 | - | - | - | - | - | 178 | 10.0 |
| -0243 | 641617 | 16x17 | 10 | - | - | - | - | - | 196 | 11.6 |
| -0268 | 641922 | 19x22 | 11 | - | - | - | - | - | 207 | 13.8 |

Slogging open ended spanners

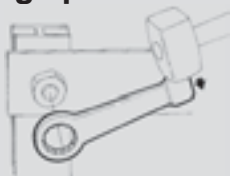


Teng Tools. Of forged special steel. With short profiled handle.

| Art. no. | 16074 | -0106 | -0205 | -0304 | -0403 | -0502 | -0601 | -0700 | -0809 | -0908 | -1005 |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Teng Tools | No | 902024 | 902027 | 902030 | 902032 | 902036 | 902038 | 902041 | 902046 | 902050 | 902055 |
| Size | mm | 24 | 27 | 30 | 32 | 36 | 38 | 41 | 46 | 50 | 55 |
| Length | mm | 178 | 180 | 190 | 190 | 214 | 215 | 233 | 252 | 275 | 295 |
| Jaw thickness.. | mm | 23.4 | 25.2 | 30.0 | 30.5 | 33.7 | 33.5 | 39.3 | 44.2 | 48.0 | 54.2 |
| Pack..... | qty | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |

| Art. no. | 16074 | -1104 | -1203 | -1302 | -1401 | -1500 | -1609 | -1708 | -1807 | -1906 |
|-----------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Teng Tools | No | 902060 | 902065 | 902070 | 902075 | 902080 | 902085 | 902090 | 902095 | 902100 |
| Size | mm | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
| Length | mm | 315 | 340 | 370 | 370 | 397 | 397 | 444 | 444 | 488 |
| Jaw thickness.. | mm | 58.8 | 55.0 | 69.0 | 69.0 | 71.5 | 71.5 | 80.0 | 80.0 | 85.0 |
| Pack..... | qty | 2 | 2 | 2 | 2 | - | - | - | - | 1 |

Slogging ring spanners



Teng Tools. Of special steel With short profiled handle.

| Art. no. | 16075 | -0105 | -0204 | -0303 | -0402 | -0501 | -0600 | -0709 | -0808 | -0907 | -1004 |
|---------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Teng Tools.. | No | 903024 | 903027 | 903030 | 903032 | 903036 | 903038 | 903041 | 903046 | 903050 | 903055 |
| Size | mm | 24 | 27 | 30 | 32 | 36 | 38 | 41 | 46 | 50 | 55 |
| Length..... | mm | 162 | 180 | 190 | 190 | 205 | 229 | 240 | 240 | 255 | 266 |
| Ring height.. | mm | 14.7 | 15.4 | 16.2 | 16.4 | 17.9 | 19.9 | 19.9 | 21.8 | 21.8 | 25.0 |
| Pack..... | qty | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 5 |

| Art. no. | 16075 | -1103 | -1202 | -1301 | -1400 | -1509 | -1608 | -1707 | -1806 | -1905 |
|---------------|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Teng Tools.. | No | 903060 | 903065 | 903070 | 903075 | 903080 | 903085 | 903090 | 903095 | 903100 |
| Size | mm | 60 | 65 | 70 | 75 | 80 | 85 | 90 | 95 | 100 |
| Length..... | mm | 280 | 298 | 330 | 330 | 355 | 355 | 395 | 390 | 420 |
| Ring height.. | mm | 26.5 | 27.5 | 32.8 | 32.8 | 37.0 | 37.3 | 40.0 | 37.1 | 41.6 |
| Pack..... | qty | 5 | 5 | 2 | 2 | - | - | - | - | - |

Ratcheting Offset Ring Spanners

Teng Tools. Chrome vanadium steel. Double, with different size 12-point sockets at each end (6-8mm 6-point). Angled 25° towards the handle. Reversible action. Satin finish. Supplied in plastic box which fits in Teng Tools tool boxes and tool trolleys.

| Art. no. | 11671 | -0104 | -0203 | -0302 | -0401 | -0500 | -0609 |
|------------------------|-------|--------|--------|--------|--------|--------|--------|
| Teng Tools | No | 680608 | 680709 | 681013 | 681214 | 681719 | 682122 |
| No. of keys | | 6x8 | 7x9 | 10x13 | 12x14 | 17x19 | 21x22 |
| Sizes | mm | 112 | 133 | 163 | 172 | 203 | 235 |
| Length | mm | 20, 20 | 21, 23 | 26, 30 | 30, 32 | 37, 40 | 41, 45 |
| Ring head o.d. | mm | 8 | 8.4 | 10.2 | 10.2 | 11.0 | 11.4 |
| Ring head height | mm | 25 | 25 | 25 | 25 | 25 | 25 |
| Pack..... | qty | | | | | | |



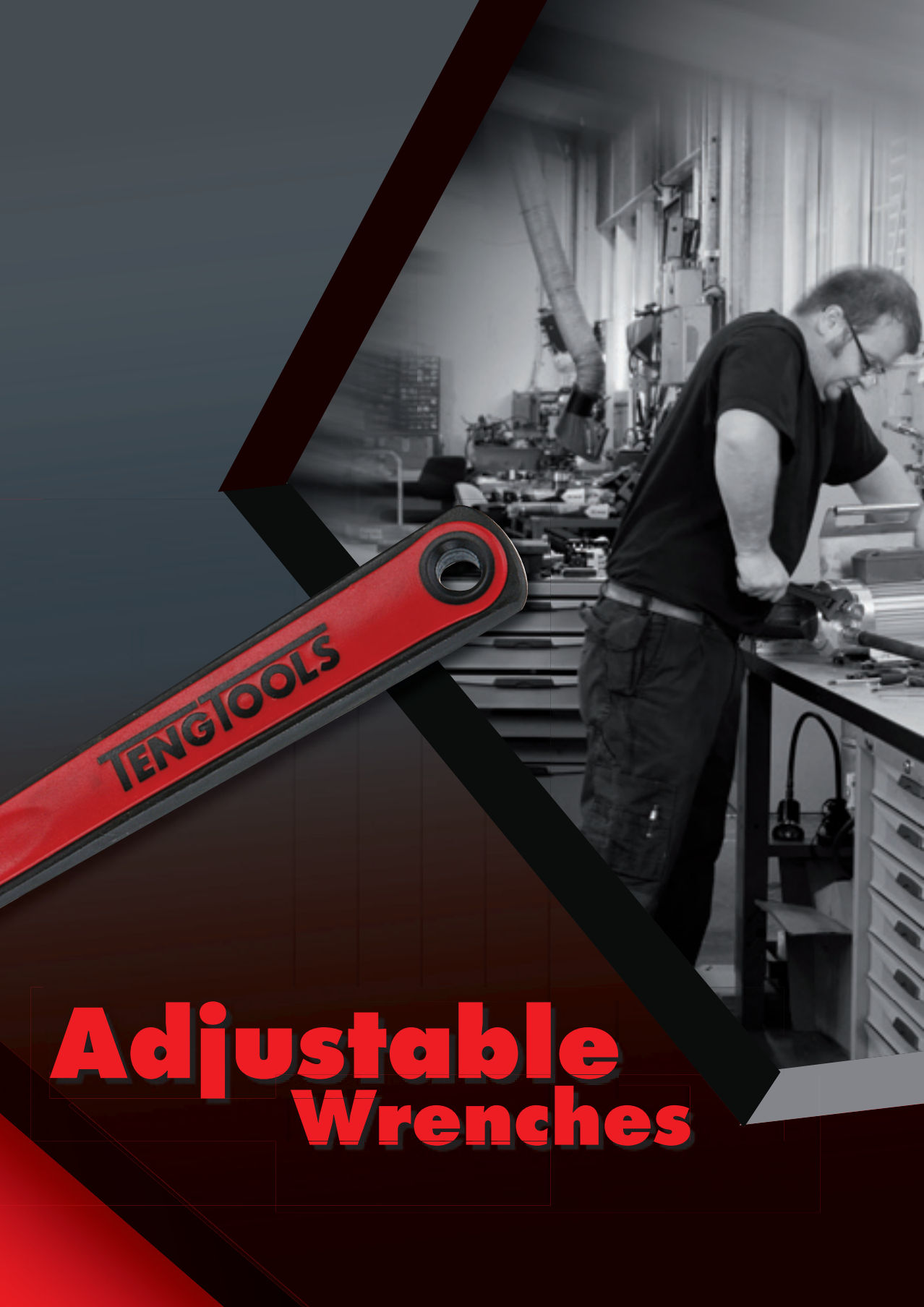
Teng Tools. Chrome vanadium steel. Double, with different size 12-point sockets at each end (6-8 mm 6-point) . Angled 25° towards the handle. Reversible action. Satin finish.

| Art. no. | 11671 | -0104 | -0203 | -0302 | -0401 | -0500 | -0609 |
|------------------------|-------|--------|--------|--------|--------|--------|--------|
| Teng Tools | No | 680608 | 680709 | 681013 | 681214 | 681719 | 682122 |
| Sizes | mm | 6x8 | 7x9 | 10x13 | 12x14 | 17x19 | 21x22 |
| Length | mm | 112 | 133 | 163 | 172 | 203 | 235 |
| Ring head o.d. | mm | 20, 20 | 21, 23 | 26, 30 | 30, 32 | 37, 40 | 41, 45 |
| Ring head height | mm | 8 | 8.4 | 10.2 | 10.2 | 11.0 | 11.4 |
| Pack..... | qty | 25 | 25 | 25 | 25 | 25 | 25 |

Adjustable wrenches

- Exceeding international standards ISO 6787-1982, ASME B.107.8M-1996, BS6333-1995, DIN3117-1988, JIS B4604-1976, SABS1211-1984.
- 15 degree jaw allows the wrench to be used in narrow spaces as only 30 degrees of turning is required.
- Wider jaw opening increases the range of bolt sizes that can be worked on.
- Available from 4" (100mm) to 24" (600mm) giving a tightening range from 0 to 70mm.
- None protruding on the movable jaw end gives a better action when space is limited. (not for 4003WT)
- Thicker handle design gives a more comfortable grip.
- Two component grip models for added comfort particularly when used over an extended period of operation.
- Uniform mechanical grinding of the face for improved appearance.
- Built in metric measurement gauge on the jaws for identifying fastening sizes.
- Manufactured from high quality chrome vanadium steel with a phosphate finish.
- Now also a 8" adjustable wrench with extra capacity, 38 mm wide jaw opening.





TENGTTOOLS

Adjustable Wrenches

Adjustable Wrench Range



Teng Tools. Set containing 4 adjustable wrenches. Chrome vanadium. 15° jaw angle. **With gauge.** Non protruding on the moveable jaw end gives better action when space is limited. Hole for hanging up. Phosphate finish. Two-component handle. Fits in Teng Tools tool boxes and roller cabinets.

| | | |
|--------------------------|--------------|----------------------|
| Art. no. | 16673 | -0101 |
| Teng Tools | No | TTADJ04 |
| Number of wrenches | qty | 4 |
| Capacity | mm | 24 28 33 38 |
| Length of wrenches | mm | 150, 200 (2 pc), 250 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.37 |



Teng Tools. With gauge. Chrome vanadium steel. 15° jaw angle. No part of the moving jaw protrudes and providing better working space in confined areas. Manufactured as per ISO 6787-1982, ASME B.107.8-1996, BS 6333-1995, DIN 3117-1988, JIS B4604-1976. Hole at end of the handle. Phosphatized.

| | | | | | | | | | |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 10587 | -0059 | -0109 | -0208 | -0307 | -0406 | -0505 | -0604 | -0703 |
| Teng Tools | No | 4001 | 4002 | 4003 | 4004 | 4005 | 4006 | 4007 | 4008 |
| Size | mm | 17 | 24 | 28 | 33 | 38 | 50 | 60 | 70 |
| Length | mm | 100 | 150 | 200 | 250 | 300 | 375 | 450 | 600 |
| Pack | qty | 10 | 10 | 6 | 6 | 5 | 5 | 6 | 1 |
| Separate jaw. ... | 10587 | -1057 | -1156 | -1255 | -1354 | -1453 | -1552 | -1651 | -1750 |
| Teng Tools | No | 4001-1 | 4002-1 | 4003-1 | 4004-1 | 4005-1 | 4006-1 | 4007-1 | 4008-1 |
| Spare part set. ... | 10587 | -2055 | -2154 | -2253 | -2352 | -2451 | -2550 | -2659 | -2758 |
| Teng Tools | No | 4001-RK | 4002-RK | 4003-RK | 4004-RK | 4005-RK | 4006-RK | 4007-RK | 4008-RK |



Teng Tools. With gauge. Chrome vanadium steel. 15° jaw angle. No part of the moving jaw protrudes and providing better working space in confined areas. With ergonomic two component handle. Manufactured as per ISO 6787-1982, ASME B.107.8-1996, BS 6333-1995, DIN 3117-1988, JIS B4604-1976. Hole at end of the handle. Phosphatized.

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 16037 | -0102 | -0201 | -0300 | -0409 |
| Teng Tools | No | 4002T | 4003T | 4004T | 4005T |
| Size | mm | 24 | 28 | 33 | 38 |
| Length | mm | 150 | 200 | 250 | 300 |
| Pack | qty | 10 | 6 | 6 | 6 |



Teng Tools. With extra large opening. Chrome vanadium steel. 15° jaw angle. For work that demands a large opening with low torque. With ergonomic two component handle. Manufactured as per ISO 6787-1982, ASME B.107.8-1996, BS 6333-1995, DIN 3117-1988, JIS B4604-1976. Hole at end of the handle. Phosphatized.

| | | |
|------------------------------|--------------|--------------|
| Art. no. | 16038 | -0101 |
| Teng Tools | No | 4003WT |
| Size | mm | 38 |
| Length | mm | 220 |
| Pack | qty | 6 |
| Separate jaw. | 16038 | -1000 |
| Teng Tools | No | 4003WT-1 |
| Spare part set. | 16038 | -2008 |
| Teng Tools | No | 4003WTRK |

Pipe Wrenches

Teng Tools. Light weight aluminium pipe wrench in sturdy design. One hand operation leaving the other hand free.



| Art. no. | 15181 | -0108 | -0207 | -0306 | -0405 | -0504 |
|---------------------|-------|--------------------------------|-------------------------------|-------------------------------|-------|-------|
| Teng Tools | No | PW12A | PW14A | PW18A | PW24A | PW36A |
| Capacity | mm | 39 | 47 | 63 | 76 | 127 |
| For mx. pipes | inch | 1 ⁹ / ₁₆ | 1 ⁷ / ₈ | 2 ¹ / ₂ | 3 | 5 |
| Length | mm | 300 | 350 | 450 | 600 | 900 |
| Pack. | qty | 6 | 6 | 6 | 6 | 3 |

Crow Foot Wrenches

Teng Tools. Set of 8 crow foot spanners. Satin finish. Chrome vanadium steel. The spanners are supplied on a clipholder with $\frac{3}{8}$ " □-drive for tightening with socket tools e.g. extension bar and ratchet handle.



| Art. no. | 11199 | -0107 |
|-------------------|-------|---------------|
| Teng Tools | No | M3808MM |
| No. of keys | | 8 |
| Drive □ | inch | $\frac{3}{8}$ |
| Sizes | mm | 10 11 12 13 |
| | | 16 17 18 19 |
| Pack. | sts | 10 |

Teng Tools. Crow foot spanners with $\frac{3}{8}$ " □-drive for tightening with socket tools, e.g. extension bar and ratchet handle.



| Metric series | | | Length |
|---------------|------|-------|--------|
| Art. no. | Size | Pack. | |
| 11201 | mm | qty | mm |
| -0103 | 10 | 10 | 32.3 |
| -0202 | 11 | 10 | 34.3 |
| -0301 | 12 | 10 | 36.2 |
| -0400 | 13 | 10 | 37.4 |
| -0509 | 14 | 10 | 40.0 |
| -0608 | 15 | 10 | 41.3 |
| -0707 | 16 | 10 | 41.3 |
| -0806 | 17 | 10 | 45.5 |
| -0905 | 18 | 10 | 45.5 |
| -1002 | 19 | 10 | 45.5 |

Nut Drivers



Teng Tools. 9 socket screwdrivers with blade of TT-MV steel. 6-point opening. Two component handle with hanging hole. Supplied in plastic box which fits in Teng Tools tool boxes and tool trolleys.

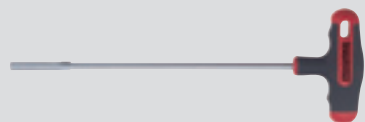
| | | |
|-----------------------------------|--------------|----------------------------|
| Art. no. | 11459 | -0102 |
| Teng Tools..... | No | TTXMDN |
| Sizes..... | mm | 5 5.5 6 7 8 10 11 12 13 |
| Total length of screwdrivers..... | mm | 245 |
| Insert size LxWxH..... | mm | 560x110x40 |
| Weight..... | kg | 1.6 |



Teng Tools. TT-MV steel shank. 6 point opening. Black ergonomically designed two component handle with hanging hole.

| | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 11268 | -0103 | -0202 | -0301 | -0400 | -0509 |
| Teng Tools..... | MDN-405 | 4055 | 406 | 407 | 408 | 408 |
| Size..... | mm | 5 | 5.5 | 6 | 7 | 8 |
| Blade length..... | mm | 125 | 125 | 125 | 125 | 125 |
| Total length..... | mm | 245 | 245 | 245 | 245 | 245 |
| Pack..... | qty | 5 | 5 | 5 | 5 | 5 |

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 11268 | -0608 | -0707 | -0806 | -0905 |
| Teng Tools..... | MDN-410 | 411 | 412 | 413 | 413 |
| Size..... | mm | 10 | 11 | 12 | 13 |
| Blade length..... | mm | 125 | 125 | 125 | 125 |
| Total length..... | mm | 245 | 245 | 245 | 237 |
| Pack..... | qty | 5 | 5 | 5 | 5 |



Teng Tools. T handle nut drivers. Chrome vanadium shank. 6 point opening. Ergonomically designed two component T handle for extra torque.

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 13218 | -0100 | -0209 | -0308 | -0407 | -0506 | -0605 |
| Teng Tools..... | No | MDNT405 | MDNT4055 | MDNT406 | MDNT407 | MDNT408 | MDNT409 |
| Size..... | mm | 5 | 5.5 | 6 | 7 | 8 | 9 |
| Total length..... | mm | 288 | 288 | 288 | 288 | 288 | 288 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 | 10 |

| | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 13218 | -0704 | -0803 | -0902 | -1009 | -1108 |
| Teng Tools..... | No | MDNT410 | MDNT411 | MDNT412 | MDNT413 | MDNT414 |
| Size..... | mm | 10 | 11 | 12 | 13 | 14 |
| Total length..... | mm | 288 | 288 | 288 | 288 | 288 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 |

Hook Wrenches

Teng Tools. Set consisting of 3 combined pin/hook spanners with 3 pin adaptors and 2 spare pins in diameters 6 and 8 mm.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | | |
|----------------------------------|--------------|--------------------|--|
| Art. no. | 10212 | -0102 | |
| Teng Tools | No | TTHP08 | |
| Hook spanners for diameter | mm | 19-50 30-75 50-120 | |
| Pin adaptors with pin diam. | mm | 4 5 6 | |
| Separate pins diameter | mm | 6 8 | |
| Case size LxWxH | mm | 265x142x50 | |
| Weight | kg | 1.2 | |

Teng Tools. Adjustable. With hook for locking nuts. Chrome vanadium steel



| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11202 | -0102 | -0201 | -0300 |
| Teng Tools | No | HP101 | HP102 | HP103 |
| For diameter | mm | 19-50 | 32-75 | 50-120 |
| Length | mm | 145 | 178 | 247 |
| Pack | qty | 10 | 10 | 10 |

Teng Tools. Adjustable. **With fixed pin** for locking nuts. Chrome vanadium steel.



| | | | | |
|-----------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11203 | -0101 | -0200 | -0309 |
| Teng Tools | No | HP2014 | HP2015 | HP2025 |
| For diameter | mm | 19-50 | 19-50 | 32-75 |
| Pin diam. | mm | 4 | 5 | 5 |
| Length | mm | 145 | 145 | 178 |
| Pack | qty | 10 | 10 | 10 |
| Separate drive | 11203 | -1000 | -1109 | -1208 |
| Pack | qty | 5 | 5 | 5 |
| Art. no. | 11203 | -0408 | -0507 | -0606 |
| Teng Tools | No | HP2026 | HP2036 | HP2038 |
| For diameter | mm | 32-75 | 50-120 | 50-120 |
| Pin diam. | mm | 6 | 6 | 8 |
| Length | mm | 178 | 247 | 247 |
| Pack | qty | 10 | 10 | 10 |
| Separate drive | 11203 | -1307 | -1406 | -1505 |
| Pack | qty | 5 | 5 | 5 |

Hex Keys



Hexagon keys

Manufactured in chrome vanadium to industrial application specifications for material content, conformity to size and professional quality. The range is extensive covering up to 19mm or 1/2" with a variety of styles including regular offset keys, ball point off set keys, T handle wrenches and fold up sets.

Ball point offset keys

- Available as sets in metric or AF with a choice of contents and styles and individually up to 10mm.
- Up to 25 degree angle entry for easy access, fast insertion and removal.
- Ideal for use in areas with difficult access.
- Allows natural hand and wrist rotation.

T handle wrenches

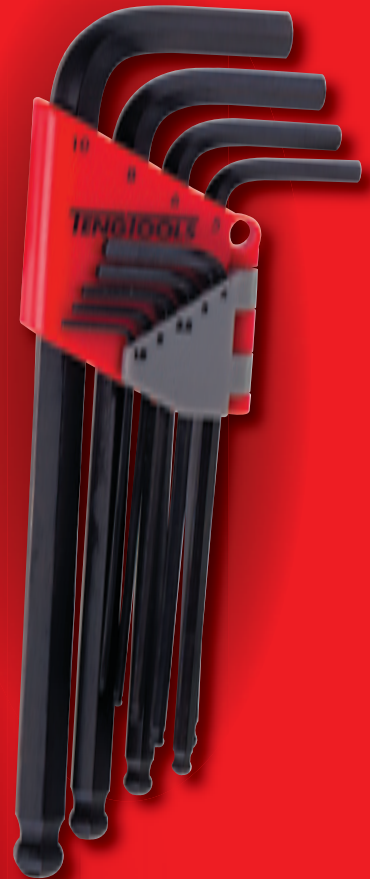
- Available in metric or AF sizes and TX either individually or in sets using the Teng Tools TC tray system or wall racks.

Fold up sets

- Available in metric, AF and TX.
- In aluminium cases with nylon inserts for strength with comfort and light weight.
- Stop mechanism allows keys to be opened individually up to 90 degrees for easy and stable use even when under torque.

Regular offset keys

- Available as sets in metric or AF and individually up to 19mm or 1/2" and in TX.



Hex Key Wrench Sets



Teng Tools. Set of 28 pieces. Contains two hex key sets in metric and imperial sizes (1479MM and 1479AF) a TX-set (1479TX) and a 7 mm hex key with ball point. Supplied in plastic insert case with removable lock. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------------|--------------|---|
| Art. no. | 12825 | -0107 |
| Teng Tools | No | TTHT28 |
| No. of pieces | ea. | 28 |
| Hex keys 1479MM | mm | 1.5 2 2.5 3 4 |
| | | 5 6 8 10 |
| Hex keys 1479AF | inch | $\frac{5}{64}$ $\frac{3}{32}$ $\frac{1}{8}$ $\frac{5}{32}$ $\frac{3}{16}$ |
| | | $\frac{7}{32}$ $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ |
| Hex key with ball point | mm | 7 |
| TX-keys 1479TX | TX | 8 9 10 15 20 |
| | | 25 27 30 40 |
| Case size LxWxH | mm | 265xx142x50 |
| Weight | kg | 0.4 |



Teng Tools. With holding ring. Contains 10 keys. Chrome vanadium steel. Black.

| | | | |
|--------------------------|--------------|--------------|--|
| Art. no. | 10582 | -0104 | -0203 |
| Teng Tools | No | 1425 | 1424 |
| Measurement system | | Millimetre | Inch |
| Sizes | | 1.5 2 2.5 | $\frac{1}{16}$ $\frac{5}{64}$ $\frac{3}{32}$ $\frac{1}{8}$ |
| | | 3 4 5 6 | $\frac{5}{32}$ $\frac{3}{16}$ $\frac{7}{32}$ $\frac{1}{4}$ |
| | | 7 8 10 | $\frac{5}{16}$ $\frac{3}{8}$ |
| No. of sets | per pack. | 6 | 6 |



Teng Tools. Contains 9 hex keys. Chrome vanadium steel. Black. In folding plastic holder.

| | | |
|-----------------------|--------------|---------------|
| Art. no. | 11269 | -0102 |
| Teng Tools | No | 1479MMR |
| Sizes | mm | 1.5 2 2.5 3 4 |
| | | 5 6 8 10 |
| No. of sets | per pack. | 10 |



Teng Tools. Sets of 7 hex keys. Chrome vanadium steel. Black. With ball point heads on the long key end - which permits turning even at an angle. Supplied in plastic holder.

| | | | |
|--------------------------|--------------|--------------|--|
| Art. no. | 10955 | -0103 | -0202 |
| Teng Tools | No | 1475 | 1474 |
| Measurement system | | Metric | AF |
| No. of keys | | 7 | 7 |
| Sizes | mm/inch | 2.5 3 4 5 | $\frac{1}{8}$ $\frac{5}{32}$ $\frac{3}{16}$ $\frac{7}{32}$ |
| | | 6 8 10 | $\frac{1}{4}$ $\frac{5}{16}$ $\frac{3}{8}$ |
| No. of sets | per pack. | 6 | 6 |

Hex Key Wrench Sets

Teng Tools. Sets of 9 chrome vanadium steel hex keys. With ballpoint hexagonal heads at the long key end - which permits turning at a 30° angle. ° Supplied in folding plastic holder.



| Art. no. | 11226 | -0104 | -0203 |
|--------------------------|-----------|---------------|-------------------------|
| Teng Tools | No | 1479MM | 1479AF |
| Measurement system | | Millimetre | Inch |
| No. of keys | ea. | 9 | 9 |
| Sizes | mm/inch | 1.5 2 2.5 3 4 | 5/64 3/32 1/8 5/32 3/16 |
| No. of sets | per pack. | 5 6 8 10 | 7/32 1/4 5/16 3/8 |
| | | 10 | 10 |

Teng Tools. Set of 9 hex keys of chrome vanadium steel With ballpoint hexagonal heads at the long key end - which permits turning at a 30° angle. Supplied in plastic holder.



| Art. no. | 11724 | -0101 |
|--------------------------|-----------|---------------|
| Teng Tools | No | 1479MMA |
| Measurement system | | Millimetre |
| No. of keys | ea. | 9 |
| Sizes | mm | 1.5 2 2.5 3 4 |
| No. of sets | per pack. | 5 6 7 10 |
| | | 10 |

Teng Tools. 7 hex keys in set. Chrome vanadium steel. Retractable in aluminium case with nylon inserts.



| Art. no. | 15147 | -0101 | -0200 |
|--------------------------|---------|-----------|--------------------|
| Teng Tools | No | 1476NMM | 1476NAF |
| Measurement system | | Metric | AF |
| No of keys | e.a. | 7 | 7 |
| Sizes | mm/inch | 1.5 2 2.5 | 1/16 5/64 3/32 1/8 |
| No. of sets | | 3 4 5 6 | 5/32 3/16 7/32 |
| | | 10 | 10 |

Teng Tools. 8 piece set. Containing hex keys, TX keys and screwdrivers. Chrome vanadium. Retractable in red aluminium case with nylon inserts.



| Art. no. | 16267 | -0103 |
|-----------------------------------|-------|--------------|
| Teng Tools | No | 1477NX |
| Number of keys/screwdrivers | qty | 8 |
| Hex key wrenches | mm | 4 5 6 |
| TX-keys | | TX25 TX30 |
| Screwdrivers | mm | flat 1.0x5.5 |
| | | PH1 PZ2 |
| Pack | set | 10 |

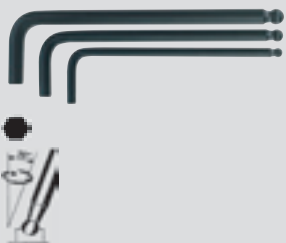
Individual Hex Key Wrenches

Teng Tools. Chrome vanadium steel. Dimension marked. Black.



| Metric series Teng Tools 3105 | | | | AF series Teng Tools 3101 | | | | |
|----------------------------------|------------|--------------|--------------|------------------------------|------------|------------|--------------|--------------|
| Art. no. 11656 | Size mm | Length mm | Pack. qty | Art. no. 11657 | Size AF | Size mm | Length mm | Pack. qty |
| -0103 | 0.7 | 35x8 | 100 | - | - | - | - | - |
| -0202 | 0.9 | 38x10 | 100 | - | - | - | - | - |
| -0301 | 1.3 | 41x12 | 100 | - | - | - | - | - |
| -0400 | 1.5 | 45x14 | 100 | -0102 | 1/16 | 1.6 | 44x14 | 100 |
| -0509 | 2 | 50x16 | 100 | -0201 | 5/64 | 2 | 48x15 | 100 |
| -0608 | 2.5 | 56x18 | 100 | -0300 | 3/32 | 2.4 | 51x17 | 100 |
| - | - | - | - | -0409 | 7/64 | 2.8 | 54x18 | 100 |
| -0707 | 3 | 63x20 | 100 | -0508 | 1/8 | 3.2 | 57x19 | 100 |
| - | - | - | - | -0607 | 9/64 | 3.6 | 60x20 | 100 |
| -0806 | 4 | 70x25 | 100 | -0706 | 5/32 | 4 | 64x21 | 100 |
| -0905 | 4.5 | 75x26 | 100 | -0805 | 3/16 | 4.8 | 70x24 | 100 |
| -1002 | 5 | 80x28 | 100 | - | - | - | - | - |
| -1101 | 5.5 | 85x30 | 50 | -0904 | 7/32 | 5.6 | 76x26 | 50 |
| -1200 | 6 | 90x32 | 50 | -1001 | 1/4 | 6.4 | 83x28 | 50 |
| -1309 | 7 | 95x34 | 40 | - | - | - | - | - |
| -1408 | 8 | 100x36 | 50 | -1100 | 5/16 | 8 | 95x32 | 50 |
| -1507 | 9 | 106x38 | 30 | -1209 | 3/8 | 9.5 | 108x35 | 50 |
| -1606 | 10 | 112x40 | 50 | - | - | - | - | - |
| - | - | - | - | -1308 | 7/16 | 11.1 | 121x38 | 5 |
| -1705 | 12 | 125x45 | 10 | -1407 | 1/2 | 12.7 | 133x41 | 15 |
| -1804 | 14 | 140x56 | 5 | - | - | - | - | - |
| -1903 | 17 | 160x63 | 5 | - | - | - | - | - |
| -2000 | 19 | 180x70 | 5 | - | - | - | - | - |

Teng Tools



Teng Tools. Chrome vanadium steel. Black. With ballpoint hexagonal head at the long key end - which permits turning at a 30° angle.

| | | | | |
|---------------------|-------|--------|--------|--------|
| Art. no. | 12269 | -0100 | -0209 | -0308 |
| Teng Tools 3105BL-C | | | | |
| Size | mm | 1.5 | 2.0 | 2.5 |
| Length | mm | 77x14 | 83x16 | 90x18 |
| Pack. | qty | 10 | 10 | 50 |
| Art. no. | 12269 | -0407 | -0506 | -0605 |
| Teng Tools 3105BL-C | | | | |
| Size | mm | 3.0 | 4.0 | 5.0 |
| Length | mm | 98x20 | 106x24 | 118x28 |
| Pack. | qty | 10 | 10 | 10 |
| Art. no. | 12269 | -0704 | -0753 | -0803 |
| Teng Tools 3105BL-C | | | | |
| Size | mm | 6.0 | 7.0 | 8.0 |
| Length | mm | 137x32 | 147x34 | 156x36 |
| Pack. | qty | 10 | 40 | 30 |
| Art. no. | 12269 | -0902 | | |
| Teng Tools 3105BL-C | | | | |
| Size | mm | 10.0 | | |
| Length | mm | 170x40 | | |
| Pack. | qty | 30 | | |

T Handle Hex Drivers

Teng Tools. Set of 7 hex keys with T-handle. With ball point head on the long key end - which permits turning even at a 30° angle.
Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



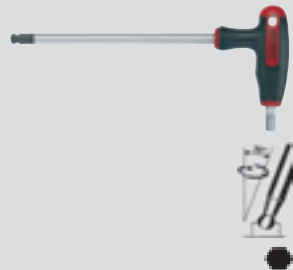
| | | | |
|-----------------------|-------------|--------------------|---|
| Art. no. | 6893 | -0106 | -0205 |
| Teng Tools | No | TTHEX7 | TTHEX7AF |
| No. of keys | | 7 | 7 |
| Sizes | mm/inch | 2.5 3 4 5 6 7 8 | 3/32, 1/8, 5/32, 3/16, 7/32, 1/4, 5/16 |
| Case size LxWxH | mm | 265x142x50 | 265x142x50 |
| Weight | kg | 0.72 | 0.72 |

Teng Tools. Rack with 7 hex keys with T-handle in metric and imperial sizes. With ballpoint head on the long key end - which permits turning even at a 30° angle.
Supplied on wall rack.



| | | | |
|-----------------------|--------------|--------------------|-------------------------------------|
| Art. no. | 12826 | -0106 | -0205 |
| Teng Tools | No | WRHEX07 | WRHEX07AF |
| Sizes | mm/inch | 2.5 3 4 5 6 7 8 | 3/32 1/8 5/32 3/16 7/32 1/4 5/16 |
| Pack | set | 5 | 5 |

Teng Tools. Hex keys with T-handle. With ballpoint head on the long key end - which permits turning even at a 30° angle.



| Millimetre-series Teng Tools 5105 | | | American-series Teng Tools 5101 | | | Length | |
|--------------------------------------|------------|-------|------------------------------------|------------|------------|--------|--------|
| Art. no. | Size width | Pack. | Art. no. | Size width | Size width | Pack. | |
| 10179 | mm | qty | 10179 | inch | mm | qty | |
| -0053 | 2.0 | 10 | - | - | - | - | 12x100 |
| -0103 | 2.5 | 10 | -2000 | 3/32 | 2.4 | 10 | 12x100 |
| -0202 | 3 | 10 | -2109 | 1/8 | 3.2 | 10 | 12x100 |
| -0301 | 4 | 10 | -2208 | 5/32 | 4 | 10 | 12x100 |
| -0400 | 5 | 10 | -2307 | 3/16 | 4.8 | 10 | 15x150 |
| -0509 | 6 | 10 | -2406 | 7/32 | 5.6 | 10 | 15x150 |
| -0608 | 7 | 10 | -2505 | 1/4 | 6.4 | 10 | 15x150 |
| -0707 | 8 | 10 | -2604 | 5/16 | 8 | 10 | 18x190 |
| -0806 | 10 | 10 | - | - | - | - | 20x200 |
| -0905 | 12 | 10 | - | - | - | - | 20x200 |

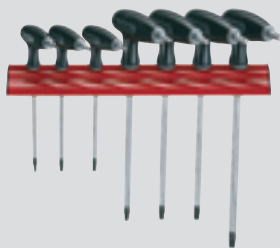
T Handle TX/TPX Drivers

Teng Tools. Set of 7 TX-keys with T-handle. For internal TX heads (short end also for tamper proof screws).
Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|---------------------------|-------------|--|
| Art. no. | 6892 | -0107 |
| Teng Tools | No | TTTX7 |
| No. of keys | ea. | 7 |
| Key sizes | TX- | 10 15 20 25 27 30 40 |
| For max. head width | mm | 2.74 3.27 3.86 4.43 4.99 5.52 6.65 |
| For screw | M | 3-3.5 3.5-4 4-5 4 4.5-5 4.5-6 6-7 7-8 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.72 |

T Handle TX/TPX Drivers



Teng Tools. Rack with 7 TX/TPX keys with T-handle. For internal TX heads (short end also for tamper proof screws).
Supplied on wall rack.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12827 | -0105 |
| Teng Tools..... | No | WRTX07 |
| No. of keys..... | ea. | 7 |
| For TX/TPX-heads..... | No | 10 15 20 25 |
| Pack..... | qty | 27 30 40 |
| | | 5 |



Teng Tools. TX-keys with T-handle. For internal TX heads. Short key end also has a slot for tamper proof screws.
Also see information about Torx heads

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 10180 | -0050 | -0100 | -0209 | -0308 | -0407 | -0506 |
| Teng Tools 5200 | | | | | | | |
| Key no..... | TX/TPX- | 9 | 10 | 15 | 20 | 25 | 27 |
| Max. head width..... | mm | 2.50 | 2.74 | 3.27 | 3.86 | 4.43 | 4.99 |
| For screw..... | M | 3 | 3-3.5 | 3.5-4 | 4-5 | 4.5-5 | 4.5-6 |
| Spanner length..... | mm | 12x100 | 12x100 | 12x100 | 12x100 | 15x150 | 15x150 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 10180 | -0605 | -0704 | -0803 | -0902 | -1009 | |
| Teng Tools 5200 | | | | | | | |
| Key no..... | TX/TPX- | 30 | 40 | 45 | 50 | 55 | |
| Max. head width..... | mm | 5.52 | 6.65 | 7.82 | 8.83 | 11.25 | |
| For screw..... | M | 6-7 | 7-8 | 8-10 | 10 | 12 | |
| Spanner length..... | mm | 15x150 | 18x190 | 20x200 | 20x200 | 20x200 | |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 | |


Individual TX-keys



Teng Tools. For **internal** heads according to the TX-system. Chrome vanadium. The shape of the long spanner end is ball-shaped and permits turning at a 20° angle. Hardened to HRC 55-58.


| | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 16698 | -0102 | -0201 | -0300 | -0409 |
| Teng Tools 3200BL | | | | | |
| Spanner-no..... | TX | 8 | 9 | 10 | 15 |
| For max. head width..... | mm | 2.31 | 2.50 | 2.74 | 3.27 |
| For screw..... | M | 2.5 | 3 | 3-3.5 | 3.5-4 |
| Length of spanner..... | mm | 16x80 | 16x83 | 17x86 | 18x90 |
| Art. no. | 16698 | -0508 | -0607 | -0706 | -0805 |
| Teng Tools 3200BL | | | | | |
| Spanner-no..... | TX | 20 | 25 | 27 | 30 |
| For max. head width..... | mm | 3.86 | 4.43 | 4.99 | 5.52 |
| For screw..... | M | 4-5 | 4.5-5 | 4.5-6 | 6-7 |
| Length of spanner..... | mm | 19x95 | 20x100 | 22x105 | 24x114 |
| Art. no. | 16698 | -0904 | -1001 | -1100 | |
| Teng Tools 3200BL | | | | | |
| Spanner-no..... | TX | 40 | 45 | 50 | |
| For max. head width..... | mm | 6.65 | 7.82 | 8.83 | |
| For screw..... | M | 7-8 | 8-10 | 10 | |
| Length of spanner..... | mm | 26x124 | 29x133 | 32x152 | |

TX Sets

Teng Tools. Set containing a coupler adaptor for 1/4" -bits and 9 TPX-bits for internal TX heads (also for tamper proof screws).


| | | |
|--|--------------|----------------|
| Art. no. | 16091 | -0105 |
| Teng Tools | No | M1410T5 |
| TPX-bits 25 mm | TPX | 10 15 20 25 27 |
| | | 30 40 45 50 |
| Coupler adaptor for bits  | inch | 1/4 |



Teng Tools. Set containing a bit socket with 1/4" -drive and 6 TX bits for internal TX heads.

| | | |
|--|-------------|--|
| Art. no. | 7369 | -0109 |
| Teng Tools | No | 1486 |
| Socket 3/8"  for bits | inch |  1/4" |
| TX bits | TX | 10 15 20 25 30 40 |
| For screw | M | 3-3.5 3.5-4 4-5 4.5-5 6-7 7-8 |
| Pack. | set | 10 |



Teng Tools. Set containing a bit socket with 5/16" -drive and three TX bits for internal TX heads. For hand tightening.

| | | |
|--|-------------|--|
| Art. no. | 7370 | -0106 |
| Teng Tools | No | 1488 |
| Socket 1/2"  for bits | inch |  5/16 |
| TX bits | TX | 45 50 55 |
| For screw | M | 8-10 10 12 |
| Pack. | qty | 10 |



Teng Tools. For internal TX heads. Chrome vanadium steel. In folding plastic holder.

| | | |
|---------------------------|--------------|-------------------------|
| Art. no. | 11660 | -0107 |
| Teng Tools | No | 1479TX |
| No. of keys | ea. | 9 |
| Key-no | TX- | 8 9 10 15 20 |
| | | 25 27 30 40 |
| For max. head width | mm | 2.31 2.5 2.74 3.27 3.86 |
| | | 4.43 4.99 5.52 6.65 |
| For screw | M | 2.5 3 3-3.5 3.5-4 4-5 |
| | | 4.5-5 4.5-6 6-7 7-8 |
| No. of sets | per pack. | 10 |



Teng Tools. For internal TX heads. With ballpoint heads at the long key end - which permits turning at a 20° angle. Chrome vanadium steel. In folding plastic holder.

| | | |
|---------------------------|--------------|-------------------------|
| Art. no. | 16161 | -0100 |
| Teng Tools | No | 1479TX1 |
| No. of keys | ea | 9 |
| Key-no | TX- | 8 9 10 15 20 |
| | | 25 27 30 40 |
| For max. head width | mm | 2.31 2.5 2.74 3.27 3.86 |
| | | 4.43 4.99 5.52 6.65 |
| For screw | M | 2.5 3 3-3.5 3.5-4 4-5 |
| | | 4.5-5 4.5-6 6-7 7-8 |
| No. of sets | per pack. | 10 |



TX Sets



Teng Tools. Set of 7 keys. In a ring. For internal TX heads Chrome vanadium steel.

| | | |
|---------------------------|--------------|--|
| Art. no. | 10583 | -0103 |
| Teng Tools | No | 1487 |
| No. of keys | | 7 |
| Key no. | TX | 10 15 20 25 27 30 40 |
| For max. head width | mm | 2.74 3.27 3.86 4.43 4.99 5.52 6.65 |
| For screw | M | 3-3.5 3.5-4 4-5 4.5-5 4.5-6 6-7 7-8 |
| Pack..... | qty | 10 |



Teng Tools. For internal heads according to the TX-system. Of chrome vanadium steel. Black. Retractable in the aluminium handle with nylon inserts.

| | | |
|---------------------------|--------------|---|
| Art. no. | 15148 | -0100 |
| Teng Tools | No | 1476NTX |
| No of keys | e.a. | 8 |
| Key-no. | TX- | 9 10 15 20 25 27 30 40 |
| For max. head width | mm | 2.5 2.74 3.27 3.86 4.43 4.99 5.52 6.65 |
| For screw | M | 3 3-3.5 3.5-4 4-5 4.5-5 4.5-6 6-7 7-8 |
| Pack..... | set | 10 |



Teng Tools. For internal heads according to the TX-system. Of chrome vanadium steel. With ball-shaped key ends which permits turning even at a 20° angle. Black. Retractable in aluminium case with nylon inserts.

| | | |
|---------------------------|--------------|---|
| Art. no. | 16265 | -0105 |
| Teng Tools | No | 1476NTX1 |
| Number of keys | qty | 8 |
| Key no. | TX- | 9 10 15 20 25 27 30 40 |
| For max. head width | mm | 2.5 2.74 3.27 3.86 4.43 4.99 5.52 6.65 |
| For screw | M | 3 3-3.5 3.5-4 4-5 4.5-5 4.5-6 6-7 7-8 |
| Pack..... | set | 10 |

A full range of individual TX keys are also available, please contact your local Teng Tools distributor for further details.



Screw- drivers



Teng Tools Screwdrivers

Teng Tools Screwdriver blades are manufactured from TT-MV material which gives a 20-30% higher torque rating than normal chrome vanadium steel.

TT-MV has a special molybdenum content which gives a 56 Rockwell hardness. In independent tests carried out on behalf of Teng Tools Screwdrivers proved to be on a high level in comparison with other high class brands, both in terms of torque but also breaking point and breaking characteristics.

- Teng Tools screwdrivers feature a unique ergonomically design protected bi-material grip for added comfort and higher torque application.
- A choice of round or hexagon shanks.
- Hexagon bolsters on larger sizes for added torque with an open ended spanner or adjustable wrench.
- Flared or parallel phosphate coated tips to suit different applications.
- Round or ellipse shaped handles.
- T drive facility for added torque or hanging.
- The handles of the screwdrivers are formed around the blade ensuring that all Teng Tools Screwdrivers are straight and allowing for much larger wings on the blade which in turn gives a much higher torque tolerance.
- Complete range available in flat, PH, PZ, TX and TPX both individually and in a range of different sets in carrying cases, Teng Tools TC trays and wall racks.
- Power thru screwdrivers, long reach screwdrivers in flat and PH and a comprehensive range of mini screwdrivers also available.

Screw- Drivers

Screwdriver information

Suitable screwdrivers for different screws



Machine screws



Slotted head

| Driver thickness × driver width mm | For Metric screws M | | | | For Unified screws UNC | | |
|------------------------------------|---------------------|-------|-------|-------|------------------------|----------------|----------------|
| | MCS | MSCS | MFS | MKFS | ULCS | UFS | UKFS |
| | | | | | | | |
| 0.4×2.5 | M 1.6 | M 1.6 | M 1.6 | M 1.6 | – | – | – |
| 0.5×3 (0.5×3.5) | M 2 | M 2 | M 2 | M 2 | – | – | – |
| 0.6×3.5 (0.6×4) | M 2.5 | M 2.5 | M 2.5 | M 2.5 | – | – | – |
| 0.8×4 (0.8×5.5) | M 3 | M 3 | M 3 | M 3 | No 5 | No 5 | No 5 |
| 1.0×5.5 (1.0×6.5) | M 3.5 | M 3.5 | M 3.5 | M 3.5 | No 6, 8 | No 6, 8 | No 6, 8 |
| 1.2×6.5 | M 4 | M 4 | M 4 | M 4 | No 10, 12 | No 10, 12 | No 10, 12 |
| 1.2×8 | M 5 | M 5 | M 5 | M 5 | – | – | – |
| 1.6×10 | M 6 | M 6 | M 6 | M 6 | 1/4 | 1/4 | 1/4 |
| 2.0×12 (2×13) | M 8 | M 8 | M 8 | M 8 | 5/16, 3/8, 1/2 | 5/16, 3/8, 1/2 | 5/16, 3/8, 1/2 |
| 2.5×14 (2.5×16) | M 10 | M 10 | M 10 | M 10 | 5/8, 3/4 | 5/8, 3/4 | 5/8, 3/4 |

Screwdriver dimensions in brackets refers to older standards.









Cross head (Phillips and Pozidriv/Supadriv)

| Cross head no | For Metric screws M | | | For Unified screws UNC | | |
|---------------|---------------------|---------------------|---------------------|-------------------------------|-------------------------------|-------------------------------|
| | MRX | MFX | MFKX | URX | UFX | UKFX |
| | | | | | | |
| 0 | M 1.6 M 2 | M 1.6 M 2 | M 1.6 M 2 | | | |
| 1 | M 2.5 M 3 | M 2.5 M 3 | M 2.5 M 3 | | | |
| 2 | M 3.5 M 4 M 5 | M 3.5 M 4 M 5 | M 3.5 M 4 M 5 | No 5 No 6 No 8 No 10 | No 5 No 6 No 8 No 10 | No 5 No 6 No 8 MR 10 |
| 3 | M 6 | M 6 | M 6 | No 12 1/4 | No 12 1/4 | No 12 1/4 |
| 4 | M 8 M 10 | M 8 M 10 | M 8 M 10 | 5/16 3/8 7/16 1/2 | 5/16 3/8 7/16 1/2 | 5/16 3/8 7/16 1/2 |








Screwdriver information








(Continued) Thread forming screws

|  Slotted head Driver thickness× driver width mm | For ST-threads | |
|--|--|--|
| | CSK CSS  | KFSK KFSS  |
| 0.4×2.5 | – | – |
| 0.5×3 (0.5×4) | ST 2 | ST 2.2 |
| 0.6×3.5 (0.6×4) | – | – |
| 0.8×4 (0.8×5.5) | ST 2.9 | ST 2.9 |
| 1.0×5.5 (1.0×6.5) | ST 3 | ST 3.5 |
| 1.2×6.5 | ST 4.2 ST 4.8 | ST 4.2 ST 4.8 |
| 1.8×8 | – | – |
| 1.6×8 | – | – |
| 1.6×10 | ST 5.5 ST 6.3 | ST 5.5 ST 6.3 |
| 2×12 (2×13) | ST 8 | ST 8 |
| 2.5×14 (2.5×16) | ST 9.5 | ST 9.5 |

|  Cross head (Phillips and Pozi driv/Supadriv) | For ST-threads | |
|--|--|---|
| | RXX RXS  | KFX KFXS  |
| 0 | ST 2.2 | ST 2.2 |
| 1 | ST 2.9 | ST 2.9 |
| 2 | ST 3.5 ST 4.2 ST 4.8 | ST 3.5 ST 4.2 ST 4.8 |
| 3 | ST 5.5 ST 6.3 | ST 5.5 ST 6.3 |
| 4 | ST 8 ST 9.5 | ST 8 ST 9.5 |

Wood screw

|  Slotted head Driver thickness× driver width (SMS 2830) mm | For DIN-screws | | | For SMS-screws | | |
|---|---|---|--|--|--|--|
| | TKS  DIN 96 | TFS  DIN 97 | TKFS  DIN 95 | TKS  SMS – | TFS  SMS 1573 | TKFS  SMS 1574 |
| | | Diam. mm | No | | Diam. mm | No |
| 0.5×3 | | 2 | 2 | | – | – |
| 0.8×3.5 | | 2.5 2.7 | 3 4 | | 2.15 | 2 |
| 0.8×4 | | 3 3.5 | 5 6 | | 2.8 | 4 |
| 1.0×5.5 | | 3.8 4 4.5 | 7 8 9 | | 3.45 | 6 |
| 1.2×6.5 | | – | – | | – | – |
| 1.2×8 | | – 5 (5.5) | – 10 (12) | | 4.15 4.8 5.45 6.15 | 8 10 12 14 |
| 1.6×8 | | 6 | 14 | | – | – |
| 1.6×10 | | – | – | | 6.8 | 16 |
| 2×12 | | (7) | (16) | | 7.5 | 18 |
| 2.5×14 | | (10) | (24) | | – | – |

|  Cross head (Phillips and Pozi driv/ Supadriv) For cross heads (SMS 2831) | For DIN-screws | | | For SMS-screws | | |
|---|---|---|--|--|---|---|
| | TKX  DIN 7996 | TFX  DIN 7997 | TKFX  DIN 7995 | TKX  SMS – | TFX  SMS – | TKFX  SMS – |
| No | | Diam. mm | No | | Diam. mm | No |
| 0 | | (2) | (2) | | – | – |
| 1 | | 2.5 3 | 5 5 | | – 2.8 | – 4 |
| 2 | | 3.5 4 4.5 5 | 6 8 9 10 | | 3.45 4.15 4.8 – | 6 8 10 – |
| 3 | | (5.5) 6 (7) | (12) 14 (16) | | 5.45 6.15 6.8 | 12 14 16 |
| 4 | | (8) | 18 | | – | – |

Screwdriver information



The Teng Tools range of Mega Drive screwdrivers feature a unique ergonomically designed bi-material grip (design registration no 37946ROC) with a choice of hexagon or round shanks, flared or parallel hardened tips and T drive hanging hole facility.

A complete range is available in flat, PH, PZ, TX and TPX including power through with phosphate finish, extra long jumbo screwdrivers in flat and PH and with insulation for all purpose automotive use. All Teng Tools screwdrivers are designed to meet or exceed BS2559 torque tolerances.

Our new TT-MV steel gives a blade with much better performance than our previous Chrome Vanadium material. It will stand 25% higher torque and torsion.

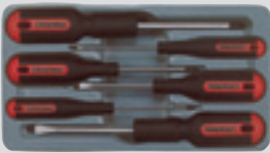
Screwdriver sets



Teng Tools. Set of 6 screwdrivers, 3 for slotted heads and 3 for Phillips heads. Blade of TT-MV steel. The screwdrivers have two component handles with hanging holes.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 10928 | -0107 |
| Teng Tools..... | No | MD906P |
| Contents: | | |
| Screwdriver MD 920..... | mm | 0.6x3-75 |
| Screwdriver MD922..... | mm | 1.0x5.5-75 |
| Screwdriver MD932..... | mm | 1.2x6.5-100 |
| Screwdriver MD940PH..... | No | 0-75 |
| Screwdriver MD941PH..... | No | 1-75 |
| Screwdriver MD952PH..... | No | 2-100 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 0.42 |
| Pack..... | set | 10 |



Teng Tools. Set of 6 screwdrivers for slotted heads and Pozidriv/Supadriv heads. Two component handle with hanging hole.

Supplied in plastic case with removable lock. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---------------------------|--------------|--------------|
| Art. no. | 13217 | -0101 |
| Teng Tools..... | No | MD906PZ |
| Contents: | | |
| Screwdriver MD920..... | mm | 0.6x2-75 |
| Screwdriver MD922..... | mm | 1.0x5.0-75 |
| Screwdriver MD932..... | mm | 1.2x6.0-100 |
| Screwdriver MD960 PZ..... | No | 0-75 |
| Screwdriver MD961 PZ..... | No | 1-75 |
| Screwdriver MD962 PZ..... | No | 2-100 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 0.45 |
| Pack..... | set | 10 |



Teng Tools. Set of 12 screwdrivers for slotted heads as well as Phillips and Pozidriv heads. With blade of TT-MV steel. Black ergonomically designed two component handle with hanging hole.

Supplied in plastic case.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 4425 | -0108 |
| Teng Tools..... | No | MD912 |
| Contents: | | |
| 1 x MD921..... | mm | 0.6x3.0x100 |
| 1 x MD922..... | mm | 1.0x5.5x75 |
| 1 x MD923..... | mm | 1.0x5.5x150 |
| 1 x MD933..... | mm | 1.4x6.5x150 |
| 1 x MD934..... | mm | 1.4x8.0x150 |
| 1 x MD928..... | mm | 1.4x6.5x38 |
| 1 x MD940 PH..... | No | 0-75 |
| 1 x MD941 PH..... | No | 1-75 |
| 1 x MD952 PH..... | No | 2-100 |
| 1 x MD948 PH..... | No | 2-38 |
| 1 x MD961 PZ..... | No | 1-75 |
| 1 x MD972 PZ..... | No | 2-100 |
| Weight per set..... | kg | 1.3 |
| No. of sets..... | per pack. | 10 |

Screwdriver sets

Teng Tools. Set of 7 screwdrivers including flat as well as Phillips and Pozidriv cross-point tips. With blade of TT-MV steel. Two component handle with hanging hole. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 3017 | -0104 |
| Teng Tools | No | TT917 |
| Contents: | mm | 0.6x3.0x75 |
| 1 x MD920 | mm | 1.0x5.5x75 |
| 1 x MD922 | mm | 1.4x6.5x100 |
| 1 x MD932 | No | 0-75 |
| 1 x MD940 PH | No | 1-75 |
| 1 x MD941 PH | No | 2-100 |
| 1 x MD942 PH | No | 2-100 |
| 1 x MD972 PZ | No | 2-100 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.7 |

Teng Tools. Set of 8 screwdrivers of which are 2 Stubby-screwdrivers. Blade of TT-MV steel. Two component handle with hanging hole. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|----------------------------------|-------------|--------------|
| Art. no. | 6897 | -0102 |
| Teng Tools | No | TTX918 |
| Contents: | | |
| Screwdriver MD928 | mm | 6.5x38 |
| Screwdriver MD921 | mm | 3.0x100 |
| Screwdriver MD923 | mm | 5.5x150 |
| Screwdriver MD933 | mm | 6.5x150 |
| Screwdriver MD934 | mm | 8.0x150 |
| Screwdriver MD935 | mm | 10x200 |
| Screwdriver MD948 Phillips | No | 2x38 |
| Screwdriver MD953 Phillips | No | 3x150 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 1.0 |

Teng Tools. 5 piece screwdriver set. With hexagonal through blade of TT-MV-steel and impact disc. Two component handle in ergonomic design. Supplied on wall rack.



| | | |
|-------------------------|--------------|--------------|
| Art. no. | 15158 | -0107 |
| Teng Tools | No | WRMDT05 |
| Contents: | | |
| Screwdriver MD932 | mm | 1.2x6.5-100 |
| MD934 | mm | 1.2x8-150 |
| MD935 | mm | 1.6x10-200 |
| MD952 | No | PH2-100 |
| MD953 | No | PH3-150 |

Teng Tools. Rack with 10 screwdrivers for slotted heads, Phillips and Pozidriv heads. TT-MV steel blades and ergonomically designed two-component handles. Supplied on wall rack.



| | | |
|-------------------------|--------------|--------------|
| Art. no. | 12829 | -0103 |
| Teng Tools | No | WRMD10 |
| Contents: | | |
| Screwdriver MD921 | mm | 0.5x3.0-100 |
| MD922 | mm | 1.0x5.5-75 |
| MD923 | mm | 1.0x5.5-150 |
| MD933 | mm | 1.2x6.5-150 |
| MD934 | mm | 1.2x8.0-150 |
| MD940 | No | PH0-75 |
| MD941 | No | PH1-75 |
| MD952 | No | PH2-100 |
| MD961 | No | PZ1-75 |
| MD972 | No | PZ2-100 |
| Pack | set | 5 |

Screwdriver sets



Teng Tools. Set of 53 pieces. Contains 19 screwdrivers, bit ratchet screwdriver with 6 bits and 27 different screwdriver bits. Supplied in plastic case. with click-lock.

| | | |
|---------------------------------------|--------------|--|
| Art. no. | 14431 | -0109 |
| Teng Tools | No | MD9053 |
| Screwdrivers for slotted heads . . . | mm | 10x200, 8x150, 6.5x150, 6.5x100, 5.5x150, 5.5x75, 4x100, 3x100, 3x75, 6x38 |
| Screwdrivers for PH cross heads . | No | 1x75, 2x100, 2x38, 3x150 |
| Screwdrivers for PZ cross heads . | No | 0x75, 1x75, 2x100, 2x38, 3x150 |
| Bit ratchet screwdriver with bits . . | | 1.2x5, 1.4x7, PH1, PH2, PZ1, PZ2 |
| Bits for PZ cross head tips | No | 0 |
| Bits for TX-heads | TX | 6, 7, 8, 9, 10, 15x2, 20x2, 27, 30, 40 |
| Bits for TPX-slot | TPX | 20, 25, 30 |
| Bits for square recessed heads. . . | No | 1, 2, 3 |
| Bits for hexagonal holes. | mm | 2, 3, 4, 5, 6, 8 |



Teng Tools. Set of 12 pieces. Contains one screwdriver handle and 11 separate reversible screwdriver blades with a screwdriver tip at each end. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------|--------------|--------------------------------------|
| Art. no. | 12865 | -0108 |
| Teng Tools | No | TTMD12D |
| No. of pieces. | ea. | 12 |
| Combi-blade | | PH1 x PH2 |
| Combi-blade | | flat 4.0 mm x 5.5 mm |
| Combi-blade | | PH1 x 6.5 mm flat |
| Combi-blade | | PZ1 x PZ2 |
| Combi-blade | | TX10 x TX15 |
| Combi-blade | | TX20 x TX25 |
| Combi-blade | | TX30 x TX40 |
| Combi-blade | | hex. 3 mm x 3 mm hex with ball point |
| Combi-blade | | hex. 4 mm x 4 mm hex with ball point |
| Combi-blade | | hex. 5 mm x 5 mm hex with ball point |
| Combi-blade | | hex. 6 mm x 6 mm hex with ball point |
| Insert size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.25 |

Teng Tools. Separate parts for set TTMD12D.



| Teng Tools No | Product | Screwdriver tips | Art. no. 12865 | Pack. qty |
|---------------|-------------|--------------------------------------|----------------|-----------|
| MD901 | Handle | - | -0207 | 10 |
| PHF0140 | Combi-blade | PH1 x PH2 | -0306 | 10 |
| PHF0255 | Combi-blade | 0.8 x 4.0 mm x 1.0 x 5.5 mm | -0405 | 1 |
| PHFT0365 | Combi-blade | PH3 x flat 1.2 x 6.5 mm | -0504 | 1 |
| PZZ0102 | Combi-blade | PZ1 x PZ2 | -0603 | 10 |
| TXX1015 | Combi-blade | TX10 x TX15 | -0702 | 1 |
| TXX2025 | Combi-blade | TX20 x TX25 | -0801 | 10 |
| TXX3040 | Combi-blade | TX30 x TX40 | -0900 | 1 |
| HBH0303 | Combi-blade | hex. 3 mm x 3 mm hex with ball point | -1007 | 10 |
| HBH0404 | Combi-blade | hex. 4 mm x 4 mm hex with ball point | -1106 | 10 |
| HBH0505 | Combi-blade | hex. 5 mm x 5 mm hex with ball point | -1205 | 10 |
| HBH0606 | Combi-blade | hex. 6 mm x 6 mm hex with ball point | -1304 | 1 |



Teng Tools. 8 piece set. Containing hex keys, TX keys and screwdrivers. Chrome vanadium. Retractable in red aluminium case with nylon inserts.

| | | |
|-----------------------------------|--------------|--------------|
| Art. no. | 16267 | -0103 |
| Teng Tools | No | 1477NX |
| Number of keys/screwdrivers | qty | 8 |
| Hex key wrenches | mm | 4 5 6 |
| TX-keys | | TX25 TX30 |
| Screwdrivers | mm | flat 1.0x5.5 |
| | | PH1 PZ2 |
| Pack. | set | 10 |



Screwdrivers - flat type

Teng Tools. Blade of TT-MV steel. Two component handle with hanging hole.



| Art. no. | | 7212-0033 | 7212-0058 | 7212-0066 | 7212-0074 | 7212-0108 | 7212-0207 | 7209-0103 |
|-----------------------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Teng Tools | No | MD914 | MD915 | MD916 | MD917 | MD920 | MD921 | MD922 |
| Screwdriver thickness×width | mm | 0.4×2.5 | 0.5×2.5 | 0.6×3.5 | 0.8×4.0 | 0.5×3.0 | 0.5×3.0 | 1.0×5.5 |
| Blade design | | Round | Round | Round | Round | Round | Round | Round |
| Blade length | mm | 50 | 75 | 75 | 100 | 75 | 100 | 75 |
| Handle length | mm | 100 | 100 | 100 | 100 | 100 | 100 | 105 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| Art. no. | | 7212-0306 | 7209-0202 | 7209-0251 | 7209-0277 | 7209-0301 | 7209-0400 |
|-----------------------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| Teng Tools | No | MD923 | MD932 | MD933 | MD691 | MD934 | MD935 |
| Screwdriver thickness×width | mm | 1.0×5.5 | 1.2×6.5 | 1.2×6.5 | 1.2×6.5 | 1.2×8.0 | 1.6×10.0 |
| Blade design | | Round | 6-point | 6-point | 6-point | 6-point | 6-point |
| Blade length | mm | 150 | 100 | 150 | 400 | 150 | 200 |
| Handle length | mm | 110 | 120 | 130 | 120 | 140 | 140 |
| Pack. | qty | 10 | 10 | 10 | 5 | 5 | 5 |

Teng Tools. Round blade of TT-MV steel. Two component handle with hanging hole.

| Art. no. | | 7213 | -0107 |
|-----------------------------|-----|------|---------|
| Teng Tools | No | No | MD928 |
| Screwdriver thickness×width | mm | | 1.2×6.5 |
| Blade length | mm | | 38 |
| Handle length | mm | | 70 |
| Pack. | qty | | 10 |



Screwdrivers - PH type

Teng Tools. MD940 and MD941 with round blade, others with hexagonal blade for tightening with a spanner. Blade made of TT-MV steel. Two component handle with hanging hole.



| Art. no. | | 7218-0102 | 7217-0103 | 7217-0202 | 7217-0251 | 7217-0301 | 7217-0400 |
|-----------------------|-----|-----------|-----------|-----------|-----------|-----------|-----------|
| Teng Tools | No | MD940 | MD941 | MD952 | MD692 | MD953 | MD955 |
| For cross heads | No | 0 | 1 | 2 | 2 | 3 | 4 |
| Blade length | mm | 75 | 75 | 100 | 400 | 150 | 200 |
| Handle length | mm | 100 | 105 | 120 | 120 | 140 | 170 |
| Pack. | qty | 10 | 10 | 10 | 5 | 5 | 5 |

Teng Tools. Model "Stubby". Round blade of TT-MV steel. Black ergonomically designed two component handle with hanging hole.

| Art. no. | | 7219 | -0051 | -0101 |
|-----------------------|-----|------|-------|-------|
| Teng Tools | No | No | MD947 | MD948 |
| For cross heads | No | No | 1 | 2 |
| Blade length | mm | | 38 | 38 |
| Handle length | mm | | 70 | 70 |
| Pack. | qty | | 10 | 10 |



Screwdrivers - PZ type



Teng Tools. With round blade, except MD972 and MD973 with hexagonal blade for tightening with a spanner and equipped with magnetised screwdriver tip. Blade of TT-MV steel. Two component handle with hanging hole.

| Art. no. | | 7223-0055 | 7223-0105 | 12828-0104 | 12828-0203 |
|-----------------------|-----|-----------|-----------|------------|------------|
| Teng Tools | No | MD960 | MD961 | MD962 | MD964 |
| For cross heads. | No | 0 | 1 | 1 | 1 |
| Blade length. | mm | 75 | 75 | 100 | 250 |
| handle length. | mm | 100 | 105 | 108 | 108 |
| Pack. | qty | 10 | 10 | 10 | 10 |

| Art. no. | | 7223-0204 | 12828-0302 | 12828-0401 | 7223-0303 |
|-----------------------|-----|-----------|------------|------------|-----------|
| Teng Tools | No | MD972 | MD970 | MD971 | MD973 |
| For cross heads. | No | 2 | 2 | 2 | 3 |
| Blade length. | mm | 100 | 150 | 250 | 150 |
| handle length. | mm | 120 | 108 | 108 | 140 |
| Pack. | qty | 10 | 10 | 10 | 5 |



Teng Tools. Model "Stubby". Round blade of TT-MV steel. Two component handle with hanging hole.

| Art. no. | | 11193 | -0053 | -0103 |
|-----------------------|-----|-------|-------|-------|
| Teng Tools | No | | MD968 | MD978 |
| For cross heads. | No | | 1 | 2 |
| Blade length. | mm | | 38 | 38 |
| Handle length. | mm | | 70 | 70 |
| Pack. | qty | | 10 | 10 |

TPX Screwdrivers



Teng Tools. Set of 7 TX/TPX screwdrivers (2 standard TX and 5 with hole TPX). For internal TX heads. Nickel plated blades of TT-MD steel. Handle made of two component with hanging hole. Fit in Teng Tools tool boxes and tool trolleys. Supplied in a plastic TC tray with removable cover.

| Art. no. | | 2598 | -0103 |
|----------------------------|----|------|------------|
| Teng Tools | No | | TT917TX |
| Contents: 1 x MD608T | | | TX 8x75 |
| 1 x MD609T | | | TX 9x75 |
| 1 x MD610TP | | | TPX 10x100 |
| 1 x MD615TP | | | TPX 15x100 |
| 1 x MD620TP | | | TPX 20x100 |
| 1 x MD625TP | | | TPX 25x100 |
| 1 x MD630TP | | | TPX 30x100 |
| Case size LxWxH | mm | | 265x142x50 |
| Weight | kg | | 1.15 |



Teng Tools. For TX and TPX-screws with tamper-proof heads. With round nickel-plated TT-MV steel blade with "Black-Point" tip for long life. Two component handle with hanging hole.

Type T for TX-screws

| Art. no. | | 0407 | -0306 | -0405 | -0504 | -0603 | -0652 | -0702 | -0801 |
|-----------------------|-----|---------|---------|---------|---------|---------|---------|---------|-------|
| Teng Tools | No | MD610TP | MD615TP | MD620TP | MD625TP | MD627TP | MD630TP | MD640TP | |
| TX-no | | TPX 10 | TPX 15 | TPX 20 | TPX 25 | TPX 27 | TPX 30 | TPX 40 | |
| Max. head width. | mm | 2.74 | 3.27 | 3.86 | 4.43 | 4.99 | 5.52 | 6.65 | |
| For screw | M | 3-3.5 | 3.5-4 | 4-5 | 4.5-5 | 4.5-6 | 6-7 | 7-8 | |
| Blade length. | mm | 100 | 100 | 100 | 100 | 100 | 100 | 100 | |
| Handle length. | mm | 105 | 105 | 120 | 120 | 120 | 120 | 120 | |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 | 5 | |

Type TP for TPX-screws with tamper-proof heads

| Art. no. | | 0407 | -0033 | -0066 | -0108 | -0207 | -0215 | -0223 |
|-----------------------|-----|--------|--------|--------|--------|--------|--------|-------|
| Teng Tools | No | MD606T | MD607T | MD608T | MD609T | MD610T | MD615T | |
| TX-no | | TX 6 | TX 7 | TX 8 | TX 9 | TX 10 | TX 15 | |
| Max. head width. | mm | 1.70 | 1.99 | 2.31 | 2.5 | 2.74 | 3.27 | |
| For screw | M | 2 | 2.5 | 2.5 | 3 | 3-3.5 | 3.5-4 | |
| Blade length. | mm | 75 | 75 | 75 | 75 | 100 | 100 | |
| Handle length. | mm | 100 | 100 | 100 | 100 | 105 | 105 | |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 | |

| Art. no. | | 0407 | -0231 | -0249 | -0256 | -0264 | -0272 |
|-----------------------|-----|--------|--------|--------|--------|--------|-------|
| Teng Tools | No | MD620T | MD625T | MD627T | MD630T | MD640T | |
| TX-no | | TX 20 | TX 25 | TX 27 | TX 30 | TX 40 | |
| Max. head width. | mm | 3.86 | 4.43 | 4.99 | 5.52 | 6.65 | |
| For screw | M | 4-5 | 4.5-5 | 4.5-6 | 6-7 | 7-8 | |
| Blade length. | mm | 100 | 100 | 100 | 100 | 100 | |
| Handle length. | mm | 105 | 120 | 120 | 120 | 120 | |
| Pack. | qty | 10 | 10 | 10 | 10 | 5 | |



Square Screwdrivers

Teng Tools. For internal square holes as per Robertson type. With nickel-plated TT-MV steel blade with "Black-Point" tip for long life. Two component handle with hanging hole.



| Art. no. | 14390 | -0108 | -0207 | -0306 |
|---------------------------|-------|-------|-------|-------|
| Teng Tools | No | MD801 | MD802 | MD803 |
| For square recessed heads | No | 1 | 2 | 3 |
| For screw | M | 6 | 8 | 10 |
| Max. head width | mm | 2.31 | 2.74 | 3.27 |
| Blade length | mm | 100 | 100 | 100 |
| Handle length | mm | 120 | 120 | 120 |



Mini Screwdriver Sets

Teng Tools. Set of 8 pieces. Containing one screwdriver handle and 7 x 120 mm long combi-blades with one driver tip at each end. For slotted, crosspoint and TX heads. Supplied in a plastic case.

| Art. no. | 11812 | -0104 |
|--------------------------------------|-------|--|
| Teng Tools | No | MDM708 |
| For slotted heads + crosspoint heads | | 0.3 x 2.0 - PH00, 0.4 x 3.0 - PH0, 0.5 x 4.0 - PH1 |
| For cross heads | No | PZ0 - PZ1 |
| For TX heads | No | TX5 - TX7, TX6 - TX8, TX9 - TX10 |
| No. of sets | sts | 5 |



Separate parts

| Teng Tools No | Product | Screwdriver tips type | Art. no. 11812 | Pack. qty |
|---------------|-------------|-----------------------|----------------|-----------|
| MDM700 | Handle | - | -0203 | 10 |
| 2912512 | Combi-blade | 0.3x2.0 - PH00 | -0302 | 10 |
| 2912513 | Combi-blade | 0.4x3.0 - PH0 | -0401 | 10 |
| 2912514 | Combi-blade | 0.5x4.0 - PH1 | -0500 | 10 |
| 2912520 | Combi-blade | PZ0 - PZ1 | -0609 | 10 |
| 2912535 | Combi-blade | TX5 - TX7 | -0708 | 10 |
| 2912537 | Combi-blade | TX6 - TX8 | -0807 | 10 |
| 2912539 | Combi-blade | TX9 - TX10 | -0906 | 10 |

Teng Tools. Set of 6 mini screwdrivers. Supplied with rack/holder for wall mounting.

| Art. no. | 6894 | -0105 |
|-----------------------------|------|--------|
| Teng Tools | No | MDM706 |
| Contents: | | |
| Screwdriver MDM713 | mm | 2.0x40 |
| Screwdriver MDM714 | mm | 2.5x40 |
| Screwdriver MDM715 | mm | 3.0x40 |
| Screwdriver MDM716 Phillips | No | 00x40 |
| Screwdriver MDM717 Phillips | No | 0x40 |
| Screwdriver MDM718 Phillips | No | 1x40 |
| Pack. | set | 10 |

| Separate screwdrivers | 6894 | -0139 | -0162 | -0204 | -0303 |
|-----------------------|------|--------|--------|--------|--------|
| Teng Tools | No | MDM711 | MDM712 | MDM713 | MDM714 |
| For hex holes | mm | 2.0 | 2.5 | - | - |
| With flat blades | mm | - | - | 2.0 | 2.4 |
| For Phillips heads | No | - | - | - | - |
| Total length | mm | 120 | 120 | 120 | 120 |
| Pack. | qty | 10 | 10 | 10 | 10 |

| Separate screwdrivers | 6894 | -0402 | -0501 | -0600 | -0709 |
|-----------------------|------|--------|--------|--------|--------|
| Teng Tools | No | MDM715 | MDM716 | MDM717 | MDM718 |
| For hex holes | mm | - | - | - | - |
| With flat blades | mm | 3.0 | - | - | - |
| For Phillips heads | No | - | 00 | 0 | 1 |
| Total length | mm | 120 | 120 | 120 | 120 |
| Pack. | qty | 10 | 10 | 10 | 10 |



Mini Screwdrivers - TX type



Teng Tools. Set of 6 mini screwdrivers for internal TX heads. Supplied with rack/holder for wall mounting.

| | | | |
|-----------------------------------|--------------|---------------|--------------|
| Art. no. | 10215 | -0109 | |
| Teng Tools..... | No | MDM706TX | |
| For TX heads..... | TX- | 6 7 8 9 10 15 | |
| Blade length..... | mm | 25 | |
| Total length..... | mm | 120 | |
| Pack..... | sts | 10 | |
| Separate screwdrivers..... | 10215 | -1008 | -1107 |
| Teng Tools..... | No | MDM806 | MDM807 |
| For TX heads..... | TX- | 6 | 7 |
| For screw..... | M | 2 | 2.5 |
| Overall length..... | mm | 120 | 120 |
| Pack..... | qty | 10 | 10 |
| Separate screwdrivers..... | 10215 | -1305 | -1404 |
| Teng Tools..... | No | MDM809 | MDM810 |
| For TX heads..... | TX- | 9 | 10 |
| For screw..... | M | 3 | 3-3.5 |
| Overall length..... | mm | 120 | 120 |
| Pack..... | qty | 10 | 10 |
| | | | -1206 |
| | | | MDM808 |
| | | | 8 |
| | | | 2.5 |
| | | | 120 |
| | | | 10 |
| | | | MDM815 |
| | | | 15 |
| | | | 3.5-4 |
| | | | 120 |
| | | | 10 |

Mini Screwdrivers and Plier set



Teng Tools. Set consisting of 12 mini screwdrivers and 4 mini-pliers. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------------------|--------------|--------------|
| Art. no. | 10445 | -0101 |
| Teng Tools..... | No | TTM116 |
| Contents: | | |
| Screwdriver MDM 713..... | mm | 2.0x40 |
| Screwdriver MDM714..... | mm | 2.4x40 |
| Screwdriver MDM715..... | mm | 3.0x40 |
| Screwdriver MDM716 Phillips..... | No | 00x40 |
| Screwdriver MDM 717Phillips..... | No | 0x40 |
| Screwdriver MDM718 Phillips..... | No | 1x40 |
| Screwdriver MDM806TX..... | No | TX 6 |
| Screwdriver MDM807TX..... | No | TX 7 |
| Screwdriver MDM808TX..... | No | TX 8 |
| Screwdriver MDM809TX..... | No | TX 9 |
| Screwdriver MDM810TX..... | No | TX 10 |
| Screwdriver MDM815TX..... | No | TX 15 |
| End cutter MBM449 length..... | mm | 114 |
| Side cutters MBM441 length..... | mm | 125 |
| Flat nose pliers MBM461 length..... | mm | 125 |
| Flat nose pliers MBM464 length..... | mm | 125 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 0.65 |

Magnetic Charger



Teng Tools. Used to magnetise screwdriver tips for holding screws, or to demagnetise tools where a magnetic force can be a hinder.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 6060 | -0103 |
| Teng Tools..... | No | MR500 |
| Size..... | mm | 60x30x20 |
| Pack..... | qty | 20 |

Power Thru Screwdrivers

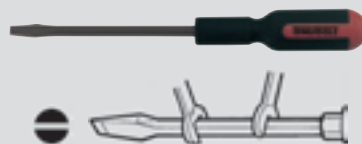
Teng Tools. Set containing 5 screwdrivers for slotted heads and Phillips heads. With hexagonal through blade. Two component handle. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | | |
|--------------------------------------|--------------|--------------|-----------|
| Art. no. | 10213 | -0101 | |
| Teng Tools | No | TTXMDT | |
| Driver thick.xwidthxblade leng. | mm | 1.4x6.5x100 | 1.4x8x150 |
| | | 1.4x10x200 | |
| Phillips head x blade leng. | No | 2x100 | 3x150 |
| Case size LxWxH | mm | 560x110x40 | |
| Weight..... | kg | 1.27 | |

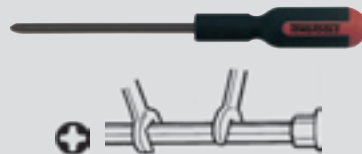
Teng Tools. Screwdrivers with through blade and striking head. The hexagonal blade allows tightening using an open-ended spanner. Two component handle.

| | | | | |
|--------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 10183 | -0107 | -0206 | -0305 |
| Teng Tools | No | MDT932 | MDT934 | MDT935 |
| Driver thickness x width | mm | 1.4x6.0 | 1.4x8.0 | 1.4x9.5 |
| Blade length | mm | 100 | 150 | 200 |
| Handle length..... | mm | 120 | 140 | 140 |
| Pack..... | qty | 10 | 5 | 5 |



Teng Tools. Screwdrivers with through blade and striking head. The hexagonal blade allows tightening using an open-ended spanner. Two component handle.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 10184 | -0106 | -0205 |
| Teng Tools | No | MDT952 | MDT953 |
| For cross heads | No | 2 | 3 |
| Blade length | mm | 100 | 150 |
| Handle length..... | mm | 120 | 140 |
| Pack..... | qty | 10 | 5 |



Hose Clip Drivers

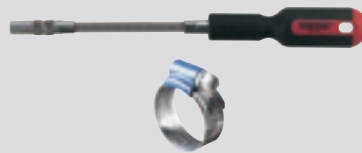
Teng Tools. With flexible, steel spiral. Socket with 6-point openings - adapted to hose clamps. Two-component handle.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11772 | -0102 |
| Teng Tools | No | MD503A |
| Size 6-point | mm | 7 |
| Total length | mm | 270 |
| Pack | qty | 10 |



Teng Tools. With flexible, steel spiral. Double socket with 6 and 7 mm 6-point openings - adapted for hose clips. Two component handle.

| | | |
|----------------------------------|-------------|--------------|
| Art. no. | 6818 | -0108 |
| Teng Tools | No | MD503 |
| Size 6-point | mm | 6 and 7 |
| Total length | mm | 260 |
| Pack..... | qty | 10 |
| Spare socket 6/7 mm | 6118 | -0207 |
| Pack..... | qty | 10 |



Bits boxes and bits

A comprehensive range of screwdriver bits and bit sets with many unique sets and driver combinations.

- All Teng Tools hex drive bits are designed and manufactured to the latest industry standards. However screwdriver bits and socket bits are classified as consumables and as such are only guaranteed for conformity to dimensional standards.
- Available in regular/flat screwdriver, PH, PZ, Grabber type, ROB square, TX, TPX, metric hex, AF hex with different lengths and hex drive formats to suit individual requirements.
- Full range of bit adaptors, nut setters and accessories available.
- All the popular sizes packed in handy display boxes with the most popular sizes also available in bulk packs of 100 pieces.
- Unique Teng Tools bits boxes give handy storage in pocket sized cases with easy to access bits and the most popular bit holders included.
- Also available as a comprehensive 74 piece bits and bit driver set in the Teng Tools TC tray system.
- Different bit ratchets and drivers available including storage in the handle or with "bullet" style holders.

Bits and Drivers



Bit Boxes



Teng Tools. Plastic cassette containing bit holder with magnet and 6 bits (length 25 mm) with 1/4" \square drive.

| | | |
|------------------------------------|--------------|-----------------|
| Art. no. | 10261 | -0102 |
| Teng Tools | No | BBX7A |
| No. of pieces | ea. | 7 |
| Bits for slotted heads | mm | 1.0x5.5 1.2x6.5 |
| Bits for Phillips heads | No | 1 2 |
| Bits for Pozi/Supadriv heads | No | 1 2 |
| Pack. | qty | 10 |



Teng Tools. Plastic cassette containing bit holder with magnet and 9 bits (length 25 mm) with 1/4" \square drive.

| | | |
|------------------------------------|--------------|-------------------------|
| Art. no. | 10262 | -0101 |
| Teng Tools | No | BBX10A |
| No. of pieces | ea. | 10 |
| Bits for slotted heads | mm | 0.6x4.5 1.0x5.5 1.2x6.5 |
| Bits for Phillips heads | No | 1 2 3 |
| Bits for Pozi/Supadriv heads | No | 1 2 3 |
| Pack. | qty | 10 |



Teng Tools. Plastic cassette containing bit holder with magnet and 6 bits (length 25 mm) with 1/4" \square drive for internal TX-heads.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 10263 | -0100 |
| Teng Tools | No | BBX7TXA |
| No. of pieces | ea. | 7 |
| Bits for TX-heads | TX | 10 15 20 |
| Pack. | qty | 25 30 40 |
| | | 10 |



Teng Tools. Plastic cassette containing bit holder with magnet and 9 bits (length 25 mm) 1/4" \square -drive.

| | | |
|-------------------------|--------------|---|
| Art. no. | 14397 | -0101 |
| Teng Tools | No | BBX10TX |
| No of parts | qty | 10 |
| Bits for TX heads | TX | 10 (2), 15 (2), 20 (2), 25 (2), 30 (1) |
| Pack. | set | 10 |

Bit Boxes

Teng Tools. Socket and bit set. Containing 6 pc 6 point regular sockets, magnetic bit holder 50 mm, mini bit ratchet, adaptor $\frac{1}{4}$ " \square - $\frac{1}{4}$ " \circ , and 10 bits. In plastic case with snap lock and metal pin hinges.

| Art. no. | 16734 | -0108 |
|-----------------------------|-------|---------------------------|
| Teng Tools | No. | T1419 |
| Number of parts | ea. | 19 |
| Regular socket sizes | mm | 8, 9, 10, 11, 12, 13 |
| Bits 25 mm flat | mm | 0.6x4.5, 0.8x5.5, 1.2x6.5 |
| Bits for int. hexagon holes | mm | 4, 5, 6 |
| Bits for Phillips slots | PH | 1, 2 |
| Bits for Pozidriv slots | PZ | 1, 2 |
| Case size LxWxH | mm | 105x60x32 |
| Weight | kg | 0.248 |
| Pack | qty | 10 |



Teng Tools. Socket and bit set. Containing 7 pc 7 6 point regular sockets magnetic bit holder 50 mm, $\frac{1}{4}$ " mini ratchet, adaptor $\frac{1}{4}$ " \square - $\frac{1}{4}$ " \circ and 10 bits. Supplied in plastic case with snap-lock and metal pin hinges.

| Art. no. | 16735 | -0107 |
|-------------------------|-------|---------------------------|
| Teng Tools | No. | T1420 |
| Number of parts | ea. | 20 |
| Regular socket sizes | mm | 5.5, 6, 7, 8, 9, 10, 13 |
| Bits for flat slots | mm | 0.6x4.5, 0.8x5.5, 1.2x6.5 |
| Bits for TX-slots | TX | 10, 15, 20 |
| Bits for Phillips-slots | PH | 1, 2 |
| Bits for Pozidriv-slots | PZ | 1, 2 |
| Case size LxBxH | mm | 105x60x32 |
| Weight | kg | 0.238 |
| Pack | qty | 10 |



Teng Tools. Bit set containing 29 pieces. Set includes magnetic bit holder 50 mm, hex adapter, $\frac{1}{4}$ " \square x $\frac{1}{4}$ " \circ , forged ratcheting bit driver and the 26 most common bits. All bits with $\frac{1}{4}$ " \circ drive. Supplied in a plastic box with snap locks and hinges with metal pins.

| Art. no. | 16736 | -0106 |
|--|-------|---|
| Teng Tools | No. | TM029 |
| No. of pieces | ea. | 29 |
| Bits for slotted heads | mm | 0.6x4.5 0.8x5.5 1.2x6.5 |
| Bits for Phillips heads | No. | 1 2 3 |
| Bits for Pozidriv/Supadriv cross heads | No. | 1 2 3 |
| Bits for TX-heads | TX | 10 15 20 25 30 40 |
| Bits for TX-heads | TPX | 20 25 30 |
| Bits for Robertson-heads | No. | 1, 2, 3 |
| Bits for hex holes | mm | 4 5 6 |
| Grabber-bits | No. | 2 (2) |
| Bit holder, length | mm | 50 |
| Hex adapter | inch | $\frac{1}{4}$ " - $\frac{1}{4}$ " \circ |
| Ratcheting bit driver | No. | $\frac{1}{4}$ " - 8 mm |
| Insert size LxWxH | mm | 105x60x32 |
| Weight | kg | 0.23 |



Mini Bit Ratchet

Teng Tools. $\frac{1}{4}$ " ratcheting bit driver and 8 mm 12 point ring spanner. Hardened. Manufactured of chrome vanadium steel. Satin finish.

| Art. no. | 11834 | -0108 |
|----------------|-------|-----------------|
| Teng Tools | No. | 1400B |
| With bit drive | inch | $\frac{1}{4}$ " |
| Ring spanner | mm | 8 |
| Length | mm | 90 |
| Pack | qty | 10 |



Bit Drivers

Teng Tools. Blade designed with $\frac{1}{4}$ " hex socket with magnet that holds the bits as well as the screw. Hex chrome vanadium steel blade. Two component handle with hanging hole.

| Art. no. | 10024 | -0100 |
|---------------------|----------------------|---------------|
| Teng Tools | No. | MD900 |
| For bits with drive | $\frac{1}{4}$ "-inch | $\frac{1}{4}$ |
| Blade length | mm | 100 |
| Handle length | mm | 120 |
| Pack | qty | 5 |



Bit Drivers



Teng Tools. Blade designed with 1/4"-hex socket with recessed magnet that holds the bits as well as the screw. Plastic handle with space for bits. Supplied with six bits; two for slotted heads, two for Phillips heads and two for Pozidriv heads. Rotating flip lid.

| | | |
|-------------------------------|-------------|--------------|
| Art. no. | 7257 | -0104 |
| Teng Tools | No | MD907 |
| For bits with drive | ⊖-inch | 1/4 |
| Blade length | mm | 100 |
| handle length | mm | 120 |
| Bits for slotted heads | mm | 1.2x5 1.4x7 |
| Bits for Phillips-heads | No | 1 2 |
| Bits for Pozidriv-heads | No | 1 2 |
| Förp. | set | 10 |



Teng Tools. Blade designed with 1/4"-hex socket with recessed magnet that holds the bits as well as the screw. Plastic handle with space for bits. Supplied with 6 bits for internal TX heads.

| | | |
|---------------------------|--------------|-------------------|
| Art. no. | 10191 | -0107 |
| Teng Tools | No | MD907TX |
| For bits with drive | ⊖inch | 1/4 |
| Blade length | mm | 100 |
| Handle length | mm | 120 |
| Bits for TX heads | TX- | 10 15 20 25 27 30 |
| Pack. | set | 10 |



Teng Tools. Bit ratchet driver with two component handle and 6 screwdriver bits (two for slotted heads, two for Phillips heads, 2 for Posidrive heads) stored in the handle.

| | | |
|-------------------------------|--------------|--------------|
| Art. no. | 14432 | -0108 |
| Teng Tools | No | MD907R |
| Bits for slotted heads | mm | 1.2x5, 1.4x7 |
| Bits for Phillip heads | No | 1, 2 |
| Bits for Pozidriv heads | No | 1, 2 |
| Pack. | sts | 5 |

Ratcheting Bits Driver Set



Teng Tools. Set of 74 pieces. Consists of a bit ratchet screwdriver, 6" flexible extension, 4" extension bar, external square 1/4"x1/4" hexagonal external adaptor, internal square 1/4"x1/4" hexagonal internal adaptor and 69 bits. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---------------------------------------|--------------|---|
| Art. no. | 14403 | -0103 |
| Teng Tools | No | TTMD74 |
| Bits for slotted heads | mm | 0.6x3.5, 0.6x4.5, 0.8x4.0, 0.8x5.5, 1.0x5.5, 1.2x5.0, 1.2x6.5, 1.4x7.0, 1.6x8.0 |
| Bits for Phillips heads | No | 1 (4), 2 (7), 3 (1) |
| Bits for Pozidriv heads | No | 1 (4), 2 (7), 3 (1) |
| Bits for hex holes | mm | 2, 3, 4, 5, 6, 8 |
| Bits for TX-heads | No | 6, 7, 8, 9, 10, 15, 20 (3), 25 (x 3), 27, 30, 40 |
| Bits for TPX-slot | No | 10, 15, 20 (2), 25 (2), 27, 30, 40 |
| Bits for square recessed heads | No | 1, 2, 3 |
| Bits for Grabber crosspoint tip | No | 2 (3) |
| Insert size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.74 |



Teng Tools. An extension bar and flexible extension for 1/4" ⊖ bits. Both with 1/4" ⊖ drive.

| | | | |
|-----------------------|--------------|---------------|--------------------|
| Art. no. | 14403 | -0202 | -0301 |
| Teng Tools | No | TTMD74-1 | TTMD74-2 |
| Product | | extension bar | flexible extension |
| Length | mm | 100 | 150 |
| Pack. | qty | 10 | 10 |



Bits - flat type

Teng Tools. Standard bits for slotted heads. With 1/4"-drive.

| Art. no. 3-pack | 10604 | -0108 | -0207 | -0306 | -0405 |
|--------------------------|-------|-----------|-----------|-----------|-----------|
| Teng Tools | Nr | FL2506A03 | FL2506B03 | FL2508A03 | FL2508B02 |
| Driver thickness x width | mm | 0.6x3.5 | 0.6x4.5 | 0.8x4.0 | 0.8x5.5 |
| Length | mm | 25 | 25 | 25 | 25 |
| Number of bits per pack | pack. | 3 | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 | 10 |

| Art. no. 3-pack | 10604 | -0504 | -0603 | -0702 |
|--------------------------|-------|-----------|-----------|-----------|
| Teng Tools | Nr | FL2510A03 | FL2512A03 | FL2516A03 |
| Driver thickness x width | mm | 1.0x5.5 | 1.2x6.5 | 1.6x8.0 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per pack | pack. | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 |



Teng Tools. Long bits for slotted heads. With 1/4"-drive.

Length 50 mm

| Art. no. | 10605 | -0107 | -0206 | -0305 | -0404 | -0503 |
|--------------------------|-------|-----------|----------|-----------|-----------|-----------|
| Teng Tools | No | FL5006A03 | FL5008A3 | FL5008B03 | FL5010A03 | FL5012A03 |
| Driver thickness x width | mm | 0.6x3.5 | 0.8x4.0 | 0.8x5.5 | 1.0x5.5 | 1.2x6.5 |
| Number of bits per pack | pack. | 3 | 3 | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 | 10 | 10 |

Length 70 mm

| Art. no. | 10605 | -1006 | -1105 | -1204 | -1303 |
|--------------------------|-------|-----------|-----------|-----------|-----------|
| Teng Tools | No | FL7006A02 | FL7008A02 | FL7008B02 | FL7010A02 |
| Driver thickness x width | mm | 0.6x3.5 | 0.8x4.0 | 0.8x5.5 | 1.0x5.5 |
| Number of bits per pack | pack. | 2 | 2 | 2 | 2 |
| Quantity | frp | 10 | 10 | 10 | 10 |

Bits - PH type

Teng Tools. Standard bits for Phillips heads. With 1/4"-drive.

| Art. no. 3-pack | 10606 | -0106 | -0205 | -0304 |
|-------------------------|-------|-----------|-----------|-----------|
| Teng Tools | No | PH2500103 | PH2500203 | PH2500303 |
| Phillips-head | No | 1 | 2 | 3 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per pack | pack. | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 |

| Ditto 10-pack | 10606 | -0403 | -0502 | -0601 |
|-------------------------|-------|-----------|-----------|-----------|
| Teng Tools | No | PH2500110 | PH2500210 | PH2500310 |
| Number of bits per pack | pack. | 10 | 10 | 10 |
| Quantity | frp | 10 | 10 | 10 |



Teng Tools. Long bits for Phillips heads. With 1/4"-drive.

Length 50 mm

| Art. no. | 10607 | -0105 | -0204 | -0303 |
|-------------------------|-------|-----------|-----------|-----------|
| Teng Tools | No | PH5000103 | PH5000203 | PH5000303 |
| Phillips head | No | 1 | 2 | 3 |
| Number of bits per pack | pack | 3 | 3 | 3 |
| Quantity | frp | 1 | 1 | 10 |

Length 70 mm

| Art. no. | 10607 | -0402 | -0501 |
|-------------------------|-------|-----------|-----------|
| Teng Tools | No | PH7000102 | PH7000202 |
| Phillips head | No | 1 | 2 |
| Number of bits per pack | pack. | 2 | 2 |
| Quantity | frp | 10 | 10 |



Bits - PZ type



Teng Tools. Standard bits for Pozidriv and Supadriv heads. With 1/4"-drive.

| | | | | |
|------------------------------|--------------|--------------|--------------|--------------|
| Art. no. 3-pack | 10608 | -0104 | -0203 | -0302 |
| Teng Tools | No | PZ2500103 | PZ2500203 | PZ2500303 |
| Pozidriv head | No | 1 | 2 | 3 |
| Number of bits per | pack. | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 |
| Ditto 10-pack | 10608 | -1003 | -1102 | -1201 |
| Teng Tools | No | PZ2500110 | PZ2500210 | PZ2500310 |
| Number of bits per | pack. | 10 | 10 | 10 |
| Quantity | frp | 10 | 10 | 10 |



Teng Tools. Long bits for Pozidriv and Supadriv heads. With 1/4"-drive design 4.

Length 50 mm

| | | | | |
|--------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 10609 | -0103 | -0202 | -0301 |
| Teng Tools | No | PZ5000103 | PZ5000203 | PZ5000303 |
| Pozidriv head | No | 1 | 2 | 3 |
| Number of bits per | pack. | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 |

Length 70 mm

| | | | |
|--------------------------|--------------|--------------|--------------|
| Art. no. | 10609 | -0400 | -0509 |
| Teng Tools | No | PZ7000102 | PZ7000202 |
| Pozidriv | No | 1 | 2 |
| Number of bits per | pack. | 2 | 2 |
| Quantity | frp | 10 | 10 |

Bits - hex type



Teng Tools. Standard bits for hex holes. With 1/4"-drive.

| | | | | |
|------------------------------|--------------|--------------|--------------|--------------|
| Art. no. 3-pack | 10610 | -0100 | -0209 | -0308 |
| Teng Tools | No | HEX2500203 | HEX2500303 | HEX2500403 |
| For hex holes | mm | 2 | 3 | 4 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 3 | 3 | 3 |
| Quantity | frp | 1 | 10 | 1 |
| Art. no. 3-pack | 10610 | -0407 | -0506 | -0605 |
| Teng Tools | No | HEX2500503 | HEX2500603 | HEX2500803 |
| For hex holes | mm | 5 | 6 | 8 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 3 | 3 | 3 |
| Quantity | frp | 1 | 1 | 1 |



Teng Tools. Hex type bits.

Suitable bit sockets see 10167 page 105.

| | | | | | | |
|-------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 10186 | -0104 | -0203 | -0302 | -0401 | -0500 |
| Teng Tools 2107 For hex holes | mm | 5 | 6 | 7 | 8 | 9 |
| Drive | mm | 10 | 10 | 10 | 10 | 10 |
| Length | mm | 40 | 40 | 40 | 40 | 40 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 10186 | -0609 | -0708 | -0807 | -0906 | -1003 |
| Teng Tools 2107 For hex holes | mm | 10 | 12 | 14 | 17 | 19 |
| Drive | mm | 10 | 12 | 12 | 12 | 12 |
| Length | mm | 40 | 40 | 40 | 40 | 40 |
| Pack | qty | 10 | 10 | 10 | 10 | 10 |

Bits - hex type



Teng Tools. Long hex bits. With 1/4"-drive.

Length 50 mm

| Art. no..... | 10611 | -0109 | -0208 | -0307 | -0406 |
|-------------------------|-------|------------|------------|------------|------------|
| Teng Tools..... | No | HEX5000403 | HEX5000503 | HEX5000603 | HEX5000803 |
| For hex holes..... | mm | 4 | 5 | 6 | 8 |
| Number of bits per..... | pack. | 3 | 3 | 3 | 3 |
| Quantity..... | frp | 10 | 10 | 10 | 10 |

Teng Tools. Long hex bits.
Suitable bit sockets see 10167 page 105.



| Art. no..... | 10188 | -0102 | -0201 | -0300 | -0409 | -0508 |
|------------------------------------|-------|-------|-------|-------|-------|-------|
| Teng Tools 2108 For hex holes..... | mm | 5 | 6 | 7 | 8 | 9 |
| Drive..... | mm | 10 | 10 | 10 | 10 | 10 |
| Length..... | mm | 75 | 75 | 75 | 75 | 75 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 |

| Art. no..... | 10188 | -0607 | -0706 | -0805 | -0904 | -1001 |
|------------------------------------|-------|-------|-------|-------|-------|-------|
| Teng Tools 2108 For hex holes..... | mm | 10 | 12 | 14 | 17 | 19 |
| Drive..... | mm | 10 | 12 | 12 | 12 | 12 |
| Length..... | mm | 75 | 75 | 75 | 75 | 75 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 |

Bits - TX type

Teng Tools. Standard bits for internal TX heads. With 1/4"-drive.



| Art. no. 3-pack..... | 10612 | -0108 | -0207 | -0306 | -0405 |
|-------------------------|-------|-----------|-----------|-----------|-----------|
| Teng Tools..... | No | TX2500603 | TX2500703 | TX2500803 | TX2500903 |
| TX heads..... | No | TX6 | TX7 | TX8 | TX9 |
| Max. head width..... | mm | 1.70 | 1.99 | 2.31 | 2.50 |
| For screw..... | M | 2 | 2.5 | 2.5 | 3 |
| Length..... | mm | 25 | 25 | 25 | 25 |
| Number of bits per..... | pack. | 3 | 3 | 3 | 3 |
| Quantity..... | frp | 10 | 10 | 10 | 10 |

| Art. no. 3-pack..... | 10612 | -0504 | -0603 | -0702 | -0801 |
|-------------------------|-------|-----------|-----------|----------|-----------|
| Teng Tools..... | No | TX2501003 | TX2501503 | TX250203 | TX2502503 |
| TX heads..... | No | TX10 | TX15 | TX20 | TX25 |
| Max. head width..... | mm | 2.79 | 3.27 | 3.86 | 4.43 |
| For screw..... | M | 3-3.5 | 3.5-4 | 4-4.5 | 4.5-5 |
| Length..... | mm | 25 | 25 | 25 | 25 |
| Number of bits per..... | pack. | 3 | 3 | 3 | 3 |
| Quantity..... | frp | 10 | 10 | 10 | 10 |

| Art. no. 3-pack..... | 10612 | -0900 | -1007 | -1106 |
|-------------------------|-------|-----------|-----------|----------|
| Teng Tools..... | No | TX2502703 | TX2503003 | TX250403 |
| TX heads..... | No | TX27 | TX30 | TX40 |
| Max. head width..... | mm | 4.99 | 5.52 | 6.65 |
| For screw..... | M | 4.5-6 | 6-7 | 7-8 |
| Length..... | mm | 25 | 25 | 25 |
| Number of bits per..... | pack. | 3 | 3 | 3 |
| Quantity..... | frp | 10 | 10 | 10 |

Bits - TX type

Teng Tools. For internal TX heads.
See 10167 for suitable bitsocket page 105.



| Art. no. | 10187 | -0103 | -0202 | -0301 | -0400 | -0509 |
|-----------------|-------|-------|-------|-------|-------|-------|
| Teng Tools 2207 | No | TX 20 | TX 25 | TX 27 | TX 30 | TX 40 |
| Max. head width | mm | 3.86 | 4.43 | 4.99 | 5.52 | 6.65 |
| For screw | M | 4-5 | 4.5-5 | 4.5-6 | 6-7 | 7-8 |
| Drive | mm | 10 | 10 | 10 | 10 | 10 |
| Length | mm | 40 | 40 | 40 | 40 | 40 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |

| Art. no. | 10187 | -0608 | -0707 | -0806 | -0905 | -1002 |
|-----------------|-------|-------|-------|-------|-------|-------|
| Teng Tools 2207 | No | TX 45 | TX 50 | TX 55 | TX 60 | TX 70 |
| Max. head width | mm | 7.82 | 8.83 | 11.25 | 13.25 | 15.25 |
| For screw | M | 8-10 | 10 | 12 | 14 | 16 |
| Drive | mm | 10 | 10 | 10 | 12 | 12 |
| Length | mm | 40 | 40 | 40 | 40 | 40 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |



Teng Tools. Long bits for internal TX heads. With 1/4"-drive.

Length 50 mm

| Art. no. | 10613 | -0107 | -0206 | -0305 | -0404 |
|--------------------|-------|-----------|-----------|-----------|-----------|
| Teng Tools | No | TX5000803 | TX5001003 | TX5001503 | TX5002003 |
| TX head | No | TX8 | TX10 | TX15 | TX20 |
| Max. head width | mm | 2.31 | 2.79 | 3.27 | 3.86 |
| For screw | M | 2.5 | 3-3.5 | 3.5-4 | 4-4.5 |
| Number of bits per | pack. | 3 | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 | 10 |

| Art. no. | 10613 | -0503 | -0602 | -0701 |
|--------------------|-------|-----------|-----------|-----------|
| Teng Tools | No | TX5002503 | TX5002703 | TX5003003 |
| TX head | No | TX25 | TX27 | TX30 |
| Max. head width | mm | 4.43 | 4.99 | 5.52 |
| For screw | M | 4.5-5 | 4.5-6 | 6-7 |
| Number of bits per | pack. | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 |

Length 70 mm

| Art. no. | 10613 | -0800 | -0909 | -1006 | -1105 |
|--------------------|-------|-----------|-----------|----------|-----------|
| Teng Tools | No | TX7001002 | TX7001502 | TX700202 | TX7002502 |
| TX head | No | TX10 | TX15 | TX20 | TX25 |
| Max. head width | mm | 2.79 | 3.27 | 3.86 | 4.43 |
| For screw | M | 3-3.5 | 3.5-4 | 4-4.5 | 4.5-5 |
| Number of bits per | pack. | 2 | 2 | 2 | 2 |
| Quantity | frp | 10 | 10 | 10 | 10 |



Teng Tools. For internal TX-heads.
Suitable bitsocket see 10167 page 105.

| Art. no. | 10189 | -0101 | -0200 | -0309 | -0408 | -0507 |
|-----------------|-------|-------|-------|-------|-------|-------|
| Teng Tools 2208 | No | TX 20 | TX 25 | TX 27 | TX 30 | TX 40 |
| Max. head width | mm | 3.86 | 4.43 | 4.99 | 5.52 | 6.65 |
| For screw | M | 4-5 | 4.5-5 | 4.5-6 | 6-7 | 7-8 |
| Drive | mm | 10 | 10 | 10 | 10 | 10 |
| Length | mm | 75 | 75 | 75 | 75 | 75 |

| Art. no. | 10189 | -0606 | -0705 | -0804 | -0903 | -1000 |
|-----------------|-------|-------|-------|-------|-------|-------|
| Teng Tools 2208 | No | TX 45 | TX 50 | TX 55 | TX 60 | TX 70 |
| Max. head width | mm | 7.82 | 8.83 | 11.22 | 13.25 | 15.55 |
| For screw | M | 8-10 | 10 | 12 | 14 | 16 |
| Drive | mm | 10 | 10 | 10 | 12 | 12 |
| Length | mm | 75 | 75 | 75 | 75 | 75 |

Bits - TPX type



Teng Tools. TX-bits with **hole**. For tamper proof **screws**. For internal TX heads. With 1/4"-drive.

| Art. no. 3-pack | 10614 | -0106 | -0205 | -0304 | -0403 |
|------------------------------|--------------|--------------|--------------|--------------|--------------|
| Teng Tools | No | TPX2501003 | TX2501503 | TPX2502003 | TPX2502503 |
| TX head | No | TPX10 | TPX15 | TPX20 | TX 25 |
| Max. head width | mm | 2.79 | 3.27 | 3.86 | 4.43 |
| For screw | M | 3-3.5 | 3.5-4 | 4-4.5 | 4.5-5 |
| Length | mm | 25 | 25 | 25 | 25 |
| Number of bits per | pack. | 3 | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 | 10 |

| Art. no. 3-pack | 10614 | -0502 | -0601 | -0700 |
|------------------------------|--------------|--------------|--------------|--------------|
| Teng Tools | No | TPX2502703 | TPX2503003 | TPX2504003 |
| TX head | No | TPX27 | TPX30 | TPX40 |
| Max. head width | mm | 4.99 | 5.52 | 6.65 |
| For screw | M | 4.5-6 | 6-7 | 7-8 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 |

Bits - square type



Teng Tools. Standard bits for Robertson square recessed heads. With 1/4"-drive.

| Art. no. 3-pack | 10615 | -0105 | -0204 | -0303 |
|---------------------------------|--------------|--------------|--------------|--------------|
| Teng Tools | Nr | ROB2500103 | ROB2500203 | ROB2500303 |
| Max. head width | mm | 2.31 | 2.74 | 3.27 |
| For square recessed heads | No | 1 | 2 | 3 |
| For screw | M | 6 | 8 | 10 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 3 | 3 | 3 |
| Quantity | frp | 10 | 10 | 10 |

GR bits

Teng Tools. With machined throat. For Phillips heads according to the **American standard** (shallower hole). Also fits in heads according to the European standard. with 1/4"-drive.



| Art. no. 10-pack | 10628 | -0100 |
|-------------------------------|--------------|--------------|
| Teng Tools | No | GR25002010 |
| Phillip cross-head | No | 2 |
| Length | mm | 25 |
| Pack | frp | 10 |

| Ditto 100-pack | 10628 | -1009 |
|-----------------------------|--------------|--------------|
| Teng Tools | No | GR250020100 |
| Phillips cross head | No | 2 |
| Length | mm | 25 |

Bit Holders



Teng Tools. Recessed magnet holds the bits as well as the screw. With 1/4"-drive.

| | | | |
|------------------------------|--------------|--------------|--------------|
| Art. no. | 10616 | -0104 | -0203 |
| Teng Tools | No | ACC50MBH01 | ACC70MBH01 |
| For bits | ⊖ | 1/4" | 1/4" |
| Design (machine drive) | | 4 | 4 |
| Length..... | mm | 50 | 70 |
| Quantity | frp | 10 | 10 |



Teng Tools. Bit holder with quick release chuck. Recessed magnet that holds the bits as well as the screw. With 1/4"-drive.

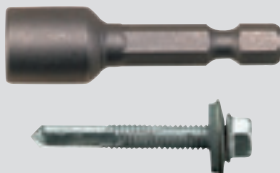
| | | |
|------------------------------|--------------|--------------|
| Art. no. | 10617 | -0103 |
| Teng Tools | No | ACC50CBH01 |
| Design (machine drive) | | 4 |
| For bits ⊖..... | inch | 1/4 |
| Length..... | mm | 50 |
| Pack..... | frp | 10 |

Bit Adaptors



Teng Tools. For use with standard impact sockets, etc. Designed for attachment in machines according to drive 4.

| | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 10618 | -0102 | -0201 | -0300 |
| Teng Tools | No | ACCSDA1414 | ACCSDA1438 | ACCSDA1412 |
| Drive design. (machine drive) ⊖..... | -inch | 4-1/4 | 4-1/4 | 4-1/4 |
| Square drive ⊖..... | 1/4 | 3/8 | 1/2 | |
| Total length..... | mm | 50 | 50 | 50 |
| Quantity | frp | 10 | 10 | 10 |



Teng Tools. For screws, not bits. Hex opening with recessed magnet or ring that holds the screw.

| | | | | |
|------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11173 | -0107 | -0305 | -0354 |
| Teng Tools | No | NS45108M | NS45506M | NS4507M |
| Type..... | | magnetic | magnetic | magnetic |
| Size for screws..... | ⊖ inch | 1/4" | 6 mm | 7 mm |
| Holder drive (design 4)..... | mm | 1/4 | 1/4 | 1/4 |
| Length..... | qty | 45 | 45 | 45 |
| Pack..... | | 10 | 10 | 10 |
| Art. no. | 11173 | -0503 | -0602 | |
| Teng Tools | No | NS4508M | NS4508R | |
| Type..... | | magnetic | ring | |
| Size for screws..... | ⊖ inch | 8 mm | 8 mm | |
| Holder drive (design 4)..... | mm | 1/4 | 1/4 | |
| Length..... | qty | 45 | 45 | |
| Pack..... | | 10 | 10 | |



Pliers

- A range of 58 different pliers covering all types of cutting and gripping in all sorts of sizes.
- Two types of handle to choose from on many models – rubber dipped slim type handles or ergonomically designed two component handles for a more comfortable grip.
- A choice of sets with high quality cloth effect wallets or wall racks available as well as various sets using the Teng Tools TC tray system.
- The overall length of Teng Tools pliers are designed to give the maximum leverage to suit the specific pliers whether it be combination, water pump, long nose or circlip pliers.
- The chrome vanadium steel and the high carbon steel content and cutting edges on the cutting pliers are specifically angled to suit different materials and applications.



Teng Tools Pliers

The range of Teng Tools Pliers covers all the popular types of pliers in a variety of sizes and a choice of handle types to cover almost every type of professional automotive and industrial application. Particular attention has been paid to the design and function of the pliers to ensure the highest quality and optimum functionality of the pliers.



Pliers

Plier Sets



Teng Tools. Set of 4 pliers: water pump pliers, combination pliers, side cutters and flat nose pliers. Made of chrome vanadium steel. Plastic covered handles. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------|-------------|--------------|
| Art. no. | 4428 | -0105 |
| Teng Tools | No | TT440 |
| Contents: | | |
| Water pump pliers 10" | No | MB481 |
| Combination pliers 7" | No | MB451 |
| Side cutters 6" | No | MB441 |
| Flat nose pliers 8" | No | MB462 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |



Teng Tools. Set of 4 pliers, water pump pliers, combination pliers, side cutters and flat nose pliers. Made of chrome vanadium steel. With ergonomically designed two component handle sleeves. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 10982 | -0101 |
| Teng Tools | No | TT440-T |
| Contents: | | |
| Water pump pliers 10" | No | MB481-10T |
| Combination pliers 7" | No | MB452-7T |
| Side cutters 6" | No | MB441-6T |
| Flat nose pliers 8" | No | MB461-8T |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |



Teng Tools. Rack holding four pairs of pliers with two component sleeves, one pair of slip joint pliers, combination pliers, side cutters and flat nose pliers. Supplied on wall rack.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 12833 | -0107 |
| Teng Tools | No | WRMB04 |
| Contents: | | |
| Slip joint pliers 10" | No | MB481-10T |
| Combination pliers 7" | No | MB452-7T |
| Side cutters 6" | No | MB441-6T |
| Flat nose pliers 8" | No | MB461-8T |
| Pack | sts | 5 |



Teng Tools. Set of 5 pliers including 4½" side cutters, 7" side cutters, 7" combination pliers, 8" flat nose pliers and 10" water pump pliers. The pliers have polished heads and plastic covered handles. Supplied in a tool roll.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 11343 | -0102 |
| Teng Tools | No | 445W |
| Contents: | | |
| Side cutters 4½" | Nr | MB441 |
| Side cutters 7" | No | MB441 |
| Combination pliers 7" | No | MB451 |
| Flat nose pliers 8" | No | MB461 |
| Water pump pliers 10" | No | MB481 |

Side Cutters

Teng Tools. Single joint. Polished head. With ergonomically designed two component handle sleeves.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 10974 | -0100 | -0209 |
| Teng Tools | No | MB441-5T | MB441-6T |
| Length | mm | 125 | 150 |
| Cuts piano wire | mm | 0.5 | 0.5 |
| Cuts steel wire | mm | 1.5 | 1.5 |
| Pack | qty | 12 | 6 |



Teng Tools. Single joint. Polished head. Equipped with plastic covered handles. Type MB442 with hardened cutting edges for e.g. piano wire.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 7421 | -0154 | -0105 | -0170 | -0204 |
| Teng Tools | No | MB441-5 | MB441-6 | MB 442-6 | MB442-8 |
| Length | mm | 125 | 150 | 155 | 200 |
| Cuts piano wire | mm | 0.5 | 0.5 | 2.0 | 2.5 |
| Cuts steel wire | mm | 1.5 | 1.5 | 2.5 | 4.0 |
| Pack | qty | 12 | 6 | 6 | 6 |



Teng Tools. Single joint. Polished head. Hardened cutting edges for e.g. piano wire. With ergonomically designed two component handle sleeves.

| | | | | |
|-----------------------|--------------|--------------|--------------|------------------------------|
| Art. no. | 10975 | -0109 | -0208 | -0307 |
| Teng Tools | No | MB442-6T | MB442-8T | MB442B-8T curved head 15° |
| Length | mm | 150 | 200 | 200 |
| Cuts piano wire | mm | 2.0 | 2.5 | 2.5 |
| Cuts steel wire | mm | 2.5 | 3.0 | 3.0 |
| Pack | qty | 6 | 6 | 6 |



Cable Cutters

Teng Tools. For copper and aluminium cables. Two cutting positions. One-hand function with pinch guard. With ergonomically designed two component handle sleeves.

| | | |
|-----------------------------|-----------------|--------------|
| Artnr. | 10976 | -0108 |
| Teng Tools | No | MB444-8T |
| Length | mm | 200 |
| Cuts copper cable max. | mm ² | 95 |
| For cable diameter | mm | 14 |
| Pack | qty | 6 |



Teng Tools. Heavy duty cable cutter. Drop forged. Chrome molydenium alloy steel blades are hardened to help maintain cutting esdges. Chmpound leverage increases cutting power while reducing cutting effort. New quick and simple spring-free automatic latch design (one hand release) provides safety and convenience. Cutts the following s: Copper and aluminium electric cables up to number 2AWG (14 mm²) diameter HRC 60-62.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 14405 | -0101 |
| Teng Tools | No | 496 |
| Length | mm | 250 |
| For cable diameter | mm | 12 |
| Forp | qty | 6 |



Combination Pliers



Teng Tools. Single joint. With pipe grip and serrated grip surfaces. Plastic covered handles.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 7419 | -0075 | -0083 |
| Teng Tools | No | MB451-7 | MB451-8 |
| Length | mm | 175 | 200 |
| Cuts piano wire | mm | 1.5 | 2.0 |
| Max. cable dia. | mm | 9 | 11 |
| Pack. | qty | 6 | 6 |



Teng Tools. Power-combi-pliers. Single joint. With pipe grip and serrated grip surfaces. With ergonomically designed two component handle sleeves.

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 10977 | -0107 | -0206 | -0305 |
| Teng Tools | No | MB452-6T | MB452-7T | MB452-8T |
| Length | mm | 150 | 175 | 200 |
| Cuts piano wire | mm | 2.0 | 2.0 | 2.2 |
| Max. cable dia. | mm | 9.0 | 11.5 | 13 |
| Pack. | qty | 6 | 6 | 6 |



Teng Tools. High leverage combination pliers. Single joint. With pipe grip and serrated grip surfaces. Plastic covered handles.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 7419 | -0059 | -0109 |
| Teng Tools | No | MB 452-7 | MB 452-8 |
| Length | mm | 175 | 200 |
| Cuts piano wire | mm | 2.0 | 2.2 |
| Max. cable dia. | mm | 11.5 | 13 |
| Pack. | qty | 6 | 6 |

Long Nose Pliers



Teng Tools. Single joint. Polished head. Long, straight jaws. Serrated grip surface. With ergonomically designed two component handle sleeves.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 10978 | -0106 | -0205 |
| Teng Tools | No | MB461-6T | MB461-8T |
| Length | mm | 150 | 200 |
| Nose length | mm | 55 | 65 |
| Pack. | qty | 6 | 6 |



Teng Tools. Single joint. Polished head. Long, straight jaws. Serrated grip surface. Plastic covered handles. **MB463-8** as MB461 but with angled (45°) jaws.

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 7423 | -0053 | -0103 | -0202 |
| Teng Tools | No | MB461-6 | MB461-8 | MB463-8 |
| Length | mm | 150 | 200 | 200 |
| Length of nose | mm | 55 | 65 | 65 |
| Pack. | qty | 6 | 6 | 6 |



Teng Tools. Single joint. Polished head. Long, 45° angled jaws. Serrated grip surface. With ergonomically designed two component handle sleeves.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10979 | -0105 |
| Teng Tools | No | MB463-8T |
| Length | mm | 200 |
| Length of nose | mm | 65 |
| Pack. | qty | 6 |

Flat Nose Pliers



Teng Tools. Single joint. Polished head. Long, straight jaws. Serrated grip surface. With ergonomically designed two component handle sleeves.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10980 | -0102 |
| Teng Tools | No | MB464-6T |
| Length | mm | 150 |
| Length of nose | mm | 55 |
| Pack. | qty | 6 |



Water Pump Pliers

Teng Tools. Chrome vanadium steel. Serrated jaws with pipe grip. With ergonomically designed two component handle sleeves.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 10942 | -0109 | -0208 |
| Teng Tools | No | MB481-7T | MB481-10T |
| Length | mm | 175 | 250 |
| Opening width | mm | 40 | 45 |
| Pack | qty | 6 | 6 |



Teng Tools. Chrome vanadium steel. Serrated jaws with pipe grip. Plastic covered handles.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 7417 | -0051 | -0101 |
| Teng Tools | No | MB481-7 | MB481-10 |
| Length | mm | 175 | 250 |
| Size | mm | 40 | 45 |
| Pack | qty | 6 | 6 |



Nut Pliers

Teng Tools. Single joint. Head angled 45° for good access. Serrated jaws. Black finish. Plastic covered handles.

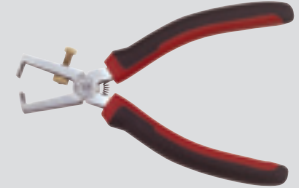
| | | |
|---------------------|-------------|--------------|
| Artnr. | 0770 | -0305 |
| Teng Tools | No | MB488 |
| Length | mm | 180 |
| Pack | qty | 6 |



Wire Stripping Pliers

Teng Tools. Single joint. With adjuster screw for required wire diameter 0.2-3.0 mm. Return spring and ergonomically designed two component handle sleeves.

| | | |
|-------------------------|-------------|--------------|
| Art. no. | 0870 | -0106 |
| Teng Tools | No | MB499-7T |
| For wire diameter | mm | 0.2-3.0 |
| Length | mm | 160 |
| Pack | qty | 6 |



Wire Twisting Pliers

Teng Tools. Used to lock nuts, seals or the like with the help of wire. With side cutters and with small head for good accessibility. The pliers grip the wire and the rear knot and then twist the wire. Black.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 13149 | -0105 |
| Teng Tools | No | AT605 |
| Length | mm | 150 |
| Pack | qty | 10 |



Groove Joint Pliers

Teng Tools. Heavy-duty model. Chrome vanadium steel. Serrated parallel jaws. Slip joint with **curved guide slot**. Polished head. Plastic covered handles.

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 10593 | -0051 | -0077 | -0101 |
| Teng Tools | No | MB410 | MB412 | MB416 |
| Length | mm | 250 | 300 | 400 |
| Size | mm | 45 | 60 | 90 |
| Pack | qty | 10 | 5 | 5 |



Mini Pliers



Teng Tools. Set consisting of 12 mini screwdrivers and 4 mini-pliers. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| Art. no..... | 10445 | -0101 |
|-------------------------------------|-------|------------|
| Teng Tools..... | No | TTMI16 |
| Contents: | | |
| Screwdriver MDM 713..... | mm | 2.0x40 |
| Screwdriver MDM714..... | mm | 2.4x40 |
| Screwdriver MDM715..... | mm | 3.0x40 |
| Screwdriver MDM716 Phillips..... | No | 00x40 |
| Screwdriver MDM 717Phillips..... | No | 0x40 |
| Screwdriver MDM718 Phillips..... | No | 1x40 |
| Screwdriver MDM806TX..... | No | TX 6 |
| Screwdriver MDM807TX..... | No | TX 7 |
| Screwdriver MDM808TX..... | No | TX 8 |
| Screwdriver MDM809TX..... | No | TX 9 |
| Screwdriver MDM810TX..... | No | TX 10 |
| Screwdriver MDM815TX..... | No | TX 15 |
| End cutter MBM449 length..... | mm | 114 |
| Side cutters MBM441 length..... | mm | 125 |
| Flat nose pliers MBM461 length..... | mm | 125 |
| Flat nose pliers MBM464 length..... | mm | 125 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 0.65 |



9996-0106



MBM 449



MBM 461



MBM 464

Teng Tools. Mini pliers - cutters, snipe nose pliers and flat nose pliers. Single joint. Polished heads. With plastic covered handles.

| Art. no..... | 9996 | -0106 | -0205 | -0304 | -0502 |
|---------------------|------|--------------|------------|-------------------|------------------|
| Teng Tools..... | No | MBM441 | MBM449 | MBM461 | MBM464 |
| Type of pliers..... | | Side cutters | End cutter | Snipe nose pliers | Flat nose pliers |
| Length..... | mm | 125 | 114 | 125 | 125 |
| Pack..... | qty | 10 | 10 | 10 | 10 |

Electrician's scissors



Teng Tools. With high carbon stainless steel blade. Handle of nylon with 30% fibreglass.

| Art. no..... | 14414 | -0100 |
|---------------------------|-------|-------|
| Teng Tools..... | No | 497 |
| Capacity, soft cable..... | mm | 22 |
| Blade length..... | mm | 42 |
| Total length..... | mm | 138 |
| Pack..... | qty | 10 |

Circlip Pliers



Teng Tools. For internal and external circlips. Four interchangeable heads - give eight different combinations. The tips are slightly magnetic. Return spring. Plastic covered handles.

| Art. no..... | 7415 | -0103 |
|-------------------|------|-------|
| Teng Tools..... | No | 480 |
| For circlips..... | mm | 10-50 |
| Length..... | mm | 150 |
| Pack..... | qty | 5 |

Circlip Pliers

Teng Tools. Set consisting of 4 circlip pliers (2 straight tip and 2 bent tip pliers for internal and external circlips). Fitted with return spring. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|--------------|--------------|
| Art. no. | 11252 | -0101 |
| Teng Tools | No | TT474-5 |
| Circlip pliers straight internal | mm | 10-25 |
| Circlip pliers bent internal | mm | 10-25 |
| Circlip pliers straight external | mm | 10-25 |
| Circlip pliers bent external | mm | 10-25 |
| Length of pliers | mm | 125 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.5 |

Teng Tools. Set consisting of 4 circlip pliers (2 straight tip and 2 bent tip pliers for internal and external circlips). Fitted with return spring. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



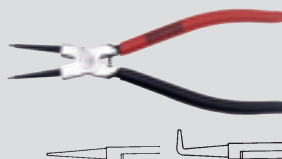
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|--|-------------|--------------|
| Art. no. | 0403 | -0102 |
| Teng Tools | No | TT474-7 |
| Circlip pliers straight internal | mm | 12-65 |
| Circlip pliers bent internal | mm | 12-65 |
| Circlip pliers straight external | mm | 12-65 |
| Circlip pliers bent external | mm | 12-65 |
| Length of pliers | mm | 175 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |

Teng Tools. Set consisting of 4 circlip pliers (2 straight tip and 2 bent tip pliers for internal and external circlips). Fitted with return spring. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



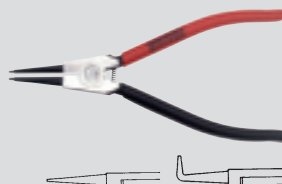
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|--|--------------|--------------|
| Art. no. | 11270 | -0109 |
| Teng Tools | No | TTX474-9 |
| Circlip pliers straight int. clips | mm | 32-80 |
| Circlip pliers bent int. clips | mm | 32-80 |
| Circlip pliers straight ext. clips | mm | 32-80 |
| Circlip pliers bent ext. clips | mm | 32-80 |
| Length of pliers | mm | 225 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 1.5 |

Teng Tools. For internal circlips. Chrome vanadium steel. Polished head. Plastic covered handles. Return spring.



| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 3496 | -0054 | -0104 | -0153 |
| Teng Tools | No | MB470-5 | MB470-7 | MB470-9 |
| For circlips | mm | 10-25 | 12-65 | 32-80 |
| Model | | straight | straight | straight |
| Length | mm | 130 | 175 | 225 |
| Pack | qty | 10 | 10 | 10 |
| Art. no. | 3496 | -0179 | -0203 | -0302 |
| Teng Tools | No | MB471-5 | MB471-7 | MB471-9 |
| For circlips | mm | 10-25 | 12-65 | 32-80 |
| Model | | bent | bent | bent |
| Length | mm | 130 | 175 | 225 |
| Pack | qty | 10 | 10 | 10 |

Teng Tools. For external circlips. Chrome vanadium steel. Polished head. Plastic covered handles. Return spring.



| | | | | |
|------------------------|-------------|--------------|--------------|--------------|
| Art. no. | 3502 | -0056 | -0106 | -0155 |
| Teng Tools | No | MB472-5 | MB472-7 | MB472-9 |
| For circlips SgA | mm | 10-25 | 10-40 | 32-80 |
| Model | | straight | straight | straight |
| Length | mm | 130 | 175 | 225 |
| Pack | qty | 10 | 10 | 10 |
| Art. no. | 3502 | -0171 | -0205 | -0304 |
| Teng Tools | No | MB473-5 | MB473-7 | MB473-9 |
| For circlips SgA | mm | 10-25 | 10-40 | 32-80 |
| Model | | bent | bent | bent |
| Length | mm | 130 | 175 | 225 |
| Pack | qty | 10 | 10 | 10 |

Power grip pliers

A range of regular and long nose power grip pliers covering a wide range of sizes together with a range of all the popular sheet metal and welding grip pliers.



- Self locking with quick release mechanism for easier use.
- Unique locking nut on the adjustment knob enables the plier jaws to be preset for easier use when repeatedly working with a common size of fastening.
- Wire cutter/crimper facility built in to the jaws.
- Manufactured in plated chrome vanadium for durability and strength.
- Choice of flat or round jaws on regular power grip pliers.



Power Grip Pliers

Pliers

Power Grip Pliers

Typically Teng

All Teng Tools power grip pliers have been designed to incorporate a locking nut on the adjustment knob. Ideal for presetting the pliers for constant working.



Teng Tools. Set of five self-locking pliers with release lever. Three with serrated, adjustable jaws with pipe grip and cutters and two with extra narrow, long jaws with smooth grip and cutter. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------------------|--------------|---------------|
| Art. no. | 12248 | -0106 |
| Teng Tools | No | TTVG05 |
| Universal pliers 401, lengths | mm | 100, 175, 250 |
| Universal pliers 404, lengths | mm | 100, 150 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.5 |



Teng Tools. Set of two pliers - no 401-10 with serrated adjustable jaws and pipe grip, and no 404-6 with extra narrow jaws, pipe grip and cutters. Satin finish.

| | | |
|------------------------|--------------|--------------|
| Art. no. | 11678 | -0107 |
| Teng Tools | No | 402 |
| Contents: | | |
| Universal pliers | No | 401-10 |
| Universal pliers | No | 404-6 |
| Pack..... | set | 6 |



Teng Tools. Self-locking. Serrated, adjustable jaws with pipe grip and cutters. With release lever. Nickel-plated.

| | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 7425 | -0036 | -0044 | -0051 | -0101 | -0200 |
| Teng Tools | No | 401-4 | 401-5 | 401-7 | 401-10 | 401-12 |
| Length | mm | 100 | 125 | 175 | 250 | 300 |
| Size | mm | 0-25 | 0-28 | 0-38 | 0-47 | 0-50 |
| Pack | qty | 5 | 5 | 5 | 5 | 5 |



Teng Tools. C-grip with swivel jaws for clamping shaped materials. Self-locking and with release lever. Nickel-plated.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12830 | -0100 |
| Teng Tools | No | 406P |
| Length | mm | 275 |
| Gap width | mm | 80 |
| Weight | g | 772 |
| Pack | qty | 5 |

Power Grip Pliers

Teng Tools. With swivel jaws for clamping shaped materials. Self-locking and with release lever. Nickel-plated.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12831 | -0109 |
| Teng Tools | No | 409P |
| Length | mm | 300 |
| Gap width | mm | 65 |
| Weight | g | 580 |
| Pack. | qty | 5 |



Teng Tools. Self-locking and with non-pinch release lever. Swivel jaw. Nickel-plated.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12832 | -0108 |
| Teng Tools | No | 410P |
| Length | mm | 230 |
| Clamping height | mm | 65 |
| Clamp hole | mm | 4.0 |
| Weight | g | 580 |
| Pack. | qty | 5 |



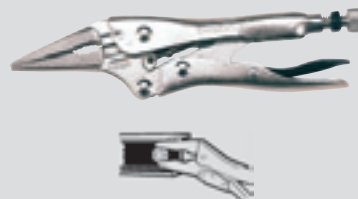
Teng Tools. Self-locking. Serrated, straight, adjustable jaws. With release lever. Nickel-plated.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 10192 | -0106 | -0205 |
| Teng Tools | No | 401F-10 | 401F-12 |
| Length | mm | 250 | 300 |
| Size | mm | 0-45 | 0-52 |
| Pack. | qty | 1 | 5 |



Teng Tools. With extra narrow jaws. Equipped with pipe grip and cutters. Self-locking. With release lever. Nickel-plated.

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 7427 | -0059 | -0109 | -0208 |
| Teng Tools | No | 404-4 | 404-6 | 404-9 |
| Length | mm | 100 | 160 | 230 |
| Jaw width | mm | 2 | 6 | 9 |
| Jaw length | mm | 35 | 35 | 70 |
| Pack. | qty | 5 | 5 | 5 |



Teng Tools

Power Grip Pliers

Teng Tools. C-shaped jaws for sections, etc. Self-locking. With release lever. Nickel-plated.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10193 | -0105 |
| Teng Tools | No | 406 |
| Length | mm | 250 |
| Size | mm | 0-80 |
| Throat depth | mm | 70 |
| Throat height | mm | 100 |
| Pack | qty | 5 |

Teng Tools. For structural steel, etc. Hardened jaws. Self-locking. With release lever. Nickel-plated.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10194 | -0104 |
| Teng Tools | No | 407 |
| Length | mm | 225 |
| Size | mm | 0-65 |
| Pack | qty | 5 |

Teng Tools. For sheet metalwork, etc. Powerful, wide jaws that grip along the entire front edge for clamping and bending sheet metal. Self-locking. With release lever. Nickel-plated.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10195 | -0103 |
| Teng Tools | Nr | 408 |
| Length | mm | 200 |
| Jaw width | mm | 75 |
| Size | mm | 0-42 |
| Pack | qty | 5 |

Snipe nose pliers

Teng Tools. Snipe nose pliers with single joint and with different jaws. The pliers are designed for good accessibility in confined areas. Plastic handles.



14408-0108



14408-0207

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 14408 | -0108 | -0207 |
| Teng Tools | No | AT096 | AT097 |
| Jaw type | | straight | bent 45° |
| Length | mm | 275 | 275 |





**Torque
Tools**

Q torque wrenches

The new Q series of torque wrenches has been developed and manufactured to meet the requirements of the professional user. With low weight, slim line and innovative design the wrenches are well suited to work in confined spaces which are often found in modern torque applications. The Q series is the natural choice for the quality conscious user.

- Accuracy +/-4% meets all international standards for torque wrenches.
- Bi-directional torque function. (clicks in both clockwise and anti-clockwise).
- Ergonomic handle.
- Easy to read large format scale.
- Easy torque adjustment and locking function.
- Small ratchet heads with 60 teeth pattern for easy access in confined spaces.
- Twist reverse function for changing direction of ratchet.
- Quick socket release mechanism.
- Each torque wrench is supplied with an individual calibration certificate.
- Dual scale Nm and lb/ft.
- Supplied in a plastic box for protection and storage.
- Produced according to ISO6789:2003.

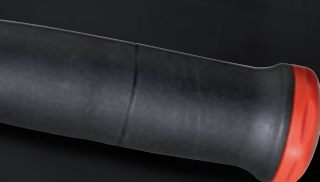




Torque within Teng Tools

With the introduction of the new Q Series Teng Tools offer a comprehensive range of torque wrenches covering both the industrial and automotive markets. In addition to the torque wrenches Teng Tools offer torque screw drivers and torque multipliers in a constantly developing and growing range of torque products.

Torque Wrenches







Torque Wrenches

Teng Tools. Electronic torque wrench for easy use. With 9 separate torque settings with individual torque, tolerance (%) and unit settings the operator can pre-programme the torque wrench for different torque tolerances before use. The torque wrench warns audiovisually when you reach your torque. Orange light before you reach target torque, green light on target and read light above target torque.












Each torque setting has an individual recallable memory storing the last 9 torque values. Operates on standard AA-batteries. The torque wrench is supplied in a molded plastic box for good protection. The torque wrench meets or exceeds the demands according to ISO6789:2003 and is supplied with a calibration certificate.

| | | | |
|----------------------------|--------------|---|---|
| Art. no. | 16181 | -0056 | -0106 |
| Teng Tools | No | 3892D100 | 1292D200 |
| Drive..... | |  |  |
| Torque range ISO | Nm | 10-100 | 20-200 |
| Torque range Imperial..... | lbf-ft | 7-75 | 15-150 |
| Length | mm | 457 | 548 |
| Weight | kg | 0.904 | 1.2 |
| Repair kit | 16181 | - | -1005 |
| Teng Tools | No | - | 1292D200RK |

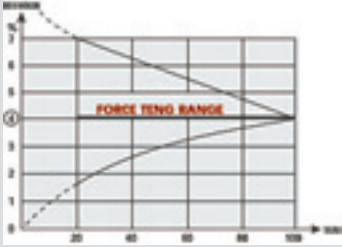


14387-0103
14387-0012

Teng Tools. Q-series. With torque click function, both right and left action, compact design and socket retainer the Q-series offers a new option for the industrial user. The torque wrenches are supplied with compact ratchet head. The scales are easy to read with both Nm and lbf.ft units. The torque wrenches are supplied with individual calibration certificates that conform to the demands in ISO 9000:2000. The torque wrenches are supplied in plastic case for protection and storage. Conforms to and surpasses the demands in the applicable ISO 6789 standard.

| | | | | | |
|-----------------------------|--------------|---|---|---|---|
| Art. no. | 14387 | -0012 | -0020 | -0038 | -0046 |
| Teng Tools | No | 1492Q005 | 1492Q010 | 1492Q015 | 1492Q030 |
| Drive..... | inch |  |  |  |  |
| Torque range ISO | Nm | 1-5 | 2-10 | 3-15 | 6-30 |
| Torque range Imperial | lbf-ft | 10-45 lbf-in | 20-100 lbf.in | 30-150 lbf-in | 5-25 |
| Length | mm | 180 | 197 | 197 | 218 |
| Weight | kg | 0.212 | 0.218 | 0.218 | 0.258 |
| Repair set | 14387 | -0657 | - | - | - |
| Teng Tools | No | 1492Q005RK | - | - | - |
| Art. no. | 14387 | -0053 | -0061 | -0087 | -0103 |
| Teng Tools | No | 3892Q030 | 3892Q060 | 3892Q100 | 1292Q200 |
| Drive..... | inch |  |  |  |  |
| Torque range ISO | Nm | 6-30 | 10-60 | 20-100 | 40-200 |
| Torque range Imperial | lbf-ft | 5-25 | 10-50 | 20-70 | 30-150 |
| Length | mm | 218 | 400 | 400 | 483 |
| Weight | kg | 0.260 | 0.8 | 0.8 | 1.2 |
| Repair set | 14387 | -0756 | -0806 | -0806 | -0905 |
| Teng Tools | No | 3892Q030RK | 3892Q060RK | 3892Q060RK | 1292Q200RK |
| Art. no. | 14387 | -0202 | -0301 | -0400 | |
| Teng Tools | No | 1292Q320 | 3492Q500 | 3492Q1000 | |
| Drive..... | inch |  |  |  | |
| Torque range ISO | Nm | 50-320 | 100-500 | 200-1000 | |
| Torque range Imperial | lbf-ft | 50-230 | 80-500 | 200-700 | |
| Length | mm | 550 | 788 | 1250 | |
| Weight | kg | 1.8 | 3.275 | 6.8 | |
| Repair set | 14387 | -0905 | - | - | |
| Teng Tools | No | 1292Q200RK | - | - | |

Torque Tolerances (ISO6789/88(E) BS6703/88)



The recognised specification is that the minimum reading should be 20% of the maximum and that the maximum deviation should be +/-7%.

The FORCE TENG range is certified to have been calibrated prior to shipment to the accuracy of +/-4% and an individual inspection number is shown on the torque wrench and the instruction sheet enclosed with the torque wrench.

All torque wrenches should be regularly checked for accuracy, once a year or every 10,000 torque applications, whichever comes first. Calibration service must be done by an authorised workshop and unauthorised disassembling of the wrench will void the warranty.

Teng Tools will repair or replace any defect in material or workmanship free of charge within one year from purchase.



Angular Scale Patent No 60068 ROC

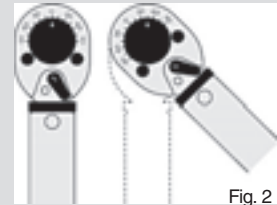


Fig. 2

Fig. 1 Fig. 3

Directions for use.

Many manufacturers of engines are now recommending that cylinder head bolts etc. should be tightened over and above a preset torque rating by so many degrees e.g. 45°.

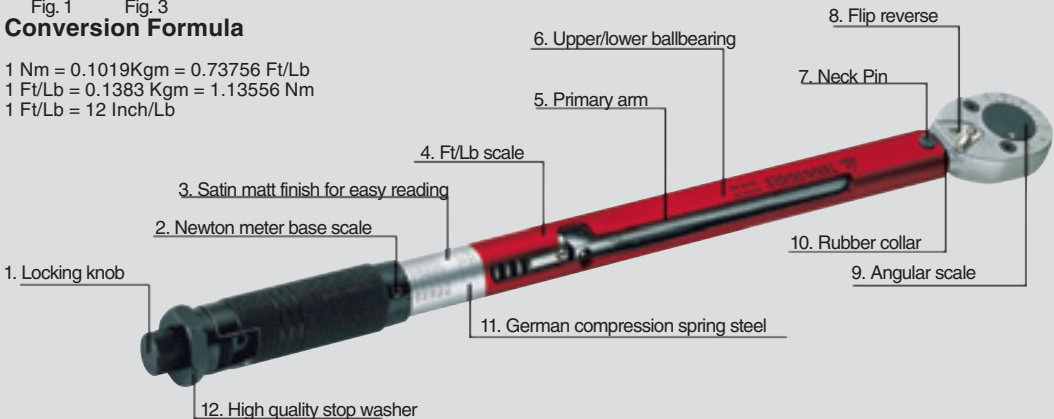
The Teng Tools Angular Gauge Torque Wrench enables you to do this with one tool rather than using a conventional torque wrench in conjunction with a separate angular gauge.

Use is very simple -

1. Preset the arrow to 0 on the 15° incremental scale (Figure 1).
2. Fix the socket to the bolt and line up the torque wrench with a bolt or some other point of reference. (figure 1).
3. Turn the torque wrench until the required angle is reached on the dial scale (Figure 2).
4. Rotate the torque wrench back to its original position in a clockwise direction (for conventional threads). (Figure 3).

Conversion Formula

1 Nm = 0.1019Kgm = 0.73756 Ft/Lb
 1 Ft/Lb = 0.1383 Kgm = 1.13556 Nm
 1 Ft/Lb = 12 Inch/Lb



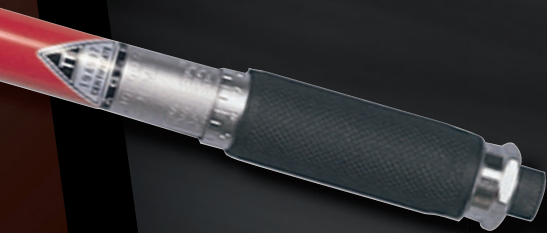
| Nm | 0-100 | 100-200 | 200-300 | 300-400 | 400-500 | 500-600 | 680-700 | 700-800 | 800-900 | 900-1000 |
|------------|-------|---------|---------|---------|---------|---------|---------|---------|---------|----------|
| 1492AG-E | ■ | | | | | | | | | |
| 3892AG-E1 | ■ | | | | | | | | | |
| 3892AG-E3 | ■ | ■ | | | | | | | | |
| 1292AG-EP | ■ | ■ | ■ | | | | | | | |
| 1292AG-ER | ■ | ■ | ■ | ■ | | | | | | |
| 1292AG-E4 | ■ | ■ | ■ | ■ | ■ | | | | | |
| 1292AG-E4R | ■ | ■ | ■ | ■ | ■ | | | | | |
| 3492AG-E | ■ | ■ | ■ | ■ | ■ | ■ | | | | |
| 3492AG-ER | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | | |
| 3492AG-E1 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | | |
| 3492AG-E2 | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ | ■ |



Force Teng torque wrenches

The range of automotive torque wrenches have rapidly become one of the most commonly used torque wrenches in the automotive and light industrial sectors. Offering exceptional value for money and function. Covering 1/4" to 3/4" drive and torque from 5 to 980 Nm. Preset models available for most common wheel nut tightening specifications.

- In built angular gauge for after tightening fastenings by a set.
- +/- 4% accuracy number of degrees.
- Supplied with certificate.
- Dual scale in Nm and ft/lb.
- Flip reverse lever on the ratchet action for easier direction change when using as a ratchet.
- Rubber grip handle for more comfortable use particularly at higher torque levels.
- Supplied in a handy carrying/storage case.
- Preset torque wrenches also available to special order.



Torque Wrenches

Torque Bits Screwdriver Set



Teng Tools. The set includes one torque screwdriver, 1/4" extension bar 100 mm, bit holder and 36 different bits.

Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|--------------|-------------------------------|
| Art. no. | 12250 | -0101 |
| Teng Tools | No | TTSD39 |
| Torque screwdriver 1/4" for | Nm | 1-5 |
| Extension bar 1/4" | mm | 100 |
| Bits for slotted heads | mm | 0.5x3 0.6x4.5 0.8x5.5 1.2x6.5 |
| Bits for Phillips heads | No | 0 1 2 3 |
| Bits for Pozidriv-heads | No | 0 1 2 3 |
| Bits for TX-heads | TX | 8 9 10 15 20 |
| | | 25 27 30 40 |
| Bits for TX-heads | TPX | 10 15 20 30 40 |
| Bits for Robertson heads | No | 0 1 2 3 |
| Bits for Grabber heads PH | No | 2 (2) |
| Bits for hex holes | mm | 2 3 4 5 6 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.66 |

Torque Screwdriver



Teng Tools. For precision tightening of screws and bolts. For both right and left hand action. With 1/4" drive and adapter for 1/4" for bits. Suitable for e.g. fine mechanics, electronics, etc.

| | | |
|------------------------|--------------|--------------|
| Art. no. | 12206 | -0106 |
| Teng Tools | No | 1492SD |
| Torque range ISO | Nm | 1-5 |
| Drive for bits | inch | |

Torque Wrenches



7319-0100



7319-0209

Teng Tools. With ratchet - by which the torque wrench can be used for both full tightening, and the final check of the tightening torque. Reversible with lever, but only **right-hand action for torque checking**. Equipped with angle gauge for post tightening. Graduated in Nm and lbf.ft. Lockable setting. Accuracy ±4%. Satin finish for the torque setting to be easier to read. Degree scale for post tightening of cylinder heads, etc. **No 1292AG-ER and 1292AG-E4R** with torque control for both right and left-hand action.

TTX1292 supplied in plastic case with space for sockets.

Individual calibration certificate enclosed with each torque wrench.

| | | | | | | | |
|-----------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 7319 | -0035 | -0050 | -0076 | -0100 | -0175 | -0191 |
| Teng Tools | No | 1492AG-E | 3892AG-E1 | 3892AG-E3 | TTX1292 | 1292AG-ER | 1292AG-EP |
| Torque range ISO | Nm | 5-25 | 5-25 | 19-110 | 40-210 | 40-200 | 40-210 |
| Torque range Imperial | lbf.ft | 4-18 | 4-18 | 14-81 | 30-160 | 30-150 | 30-160 |
| Drive size | inch | | | | | | |
| Total length | mm | 277 | 277 | 368 | 465 | 465 | 465 |
| Repair set ERK | 7319 | -1009 | -1108 | -1207 | -1306 | -1603 | -1306 |
| Pack | qty | 1 | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 7319 | -0209 | -0258 | -0282 | -0308 | -0407 | |
| Teng Tools | No | 1292AG-E4 | 1292AG-E4R | 3492AG-ER | 3492AG-E1 | 3492AG-E2 | |
| Torque range ISO | Nm | 70-350 | 70-350 | 90-450 | 140-700 | 140-980 | |
| Torque range Imperial | lbf.ft | 50-250 | 50-250 | 60-300 | 100-500 | 100-700 | |
| Drive size | inch | | | | | | |
| Total length | mm | 632 | 632 | 850 | 1065 | 1213 | |
| Repair set ERK | 7319 | -1405 | -1702 | -1900 | -1504 | -1504 | |
| Pack | qty | 10 | 10 | 1 | 1 | 1 | |




Torque Wrenches




Teng Tools. Set of 4 torque wrenches with **preset torque**. Manufactured according to ISO 6789. Accuracy $\pm 4\%$. Rubber handle. Separate wall rack supplied.

Supplied in PS insert case with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------------|--------------|---|
| Art. no. | 14386 | -0104 |
| Teng Tools | No | TTPSTQ04 |
| Quantity torque wrenches | ea | 4 |
| Drive \square | inch |  |
| Adjustable torque | Nm | 90, 110, 120, 140 |
| Torque wrench length | mm | 513 |
| Case size LxWxH | mm | 570x262x73 |
| Weight | kg | 5.8 |

Teng Tools. Torque wrenches with preset torque. Manufactured according to ISO 6789. Accuracy $\pm 4\%$. Rubber handle.




| | | | | | |
|-----------------------|--------------|---|---|---|---|
| Art. no. | 14385 | -0105 | -0204 | -0303 | -0402 |
| Teng Tools | No | 1292AG-090 | 1292AG-110 | 1292AG-120 | 1292AG-140 |
| Drive \square | inch |  |  |  |  |
| Preset torque | Nm | 90 | 110 | 120 | 140 |
| Length | mm | 513 | 513 | 513 | 513 |
| Weight | kg | 1.4 | 1.4 | 1.4 | 1.4 |

Teng Tools. Set consisting of torque wrench, 10 crow foot spanners, bit socket, 8 TX-bits and extension bars 75 and 125 mm.

Individual calibration certificate enclosed.


Supplied in TC tray suitable for Teng Tools tool boxes and tool trolleys.



| | | |
|-------------------------------|--------------|---|
| Art. no. | 10211 | -0104 |
| Teng Tools | No | TTX3892 |
| Drive size \square | inch |  |
| Torque range ISO | Nm | 20-100 |
| Torque range Imperial | lbf.ft | 15-75 |
| Length of torque wrench | mm | 365 |
| Crow foot spanners | mm | 10 11 12 13 14 15 16 17 18 19 |
| Bits for TX heads | TX | 8 10 15 20 25 27 30 40 |
| Case size LxWxH | mm | 560x110x60 |
| Weight | kg | 0.9 |
| Repair set | 7319 | -1207 |
| Pack | qty | 10 |

Teng Tools. With ratchet - by which the torque wrench can be used for both full tightening, and the final check of the tightening torque. Reversible with lever, but only right-hand action for torque checking. Equipped with angle gauge for post tightening. Graduated in Nm and lbs-foot. Lockable setting. Accuracy $\pm 4\%$. Satin finish for the torque setting to be easier to read. Degree scale for post tightening of cylinder heads, etc. Supplied in plastic case with space for sockets. Fits in Teng Tools tool boxes and tool trolleys.





| | | |
|-----------------------------|-------------|---|
| Art. no. | 7319 | -0100 |
| Teng Tools | No | TTX1292 |
| For tightening torque | Nm | 40-210 |
| For tightening torque | lbf-foot | 30-150 |
| Drive size | inch |  |
| Length | mm | 465 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 1.65 |



Torque Multiplier/Wrench Set

Teng Tools. Set containing one torque multiplier and one torque wrench. The torque multiplier's input tightening torque is trebled on the output drive. The torque wrench has a 1/2" □-drive and torque range 40-210 Nm.





Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------|--------------|---|
| Art. no. | 12822 | -0100 |
| Teng Tools..... | No | TTXMP12 |
| Torque multiplier: | | |
| Max. tightening torque..... | Nm | 1400 |
| Input - Output drive..... | inch |  |
| Torque wrench: | | |
| Torque range ISO..... | Nm | 40-210 |
| Torque range Imperial..... | lbf.ft | 30-160 |
| Drive size..... | inch |  |
| Insert size LxWxH..... | mm | 560x110x60 |
| Weight..... | kg | 4.0 |



Torque Multipliers

Teng Tools. For dismantling stubborn bolts and nuts. When tightening the torque is increased 3 times on the output drive. Used together with automotive sockets.

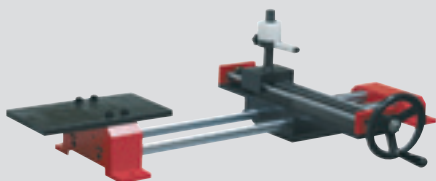
| | | | |
|--|--------------|--|---|
| Art. no. | 12207 | -0105 | -0204 |
| Teng Tools..... | No | MP1400 | MP2700 |
| Max. tightening torque..... | Nm | 1400 | 2700 |
| Max. tightening torque..... | lbs-ft | 1000 | 2000 |
| Incoming tightening torque increases no. of times..... | | 3 | 3 |
| Input □ drive..... | inch |  |  |
| Output drive..... | inch |  |  |
| Weight..... | kg | 2.28 | 4.78 |

All Teng Tools torque wrenches should be cleaned and maintained on a regular basis to reduce wear and to prolong life. However, with all tools involving moving parts some wear will occur with use. Teng Tools offer a full range of complete repair kits and spare parts for their torque wrenches - full details can be found on the Teng Tools website or are available from your local Teng Tools stockist.

Calibration rigs

Recalibration service

All torque wrenches should be recalibrated on a regular basis to ensure continued accuracy. Teng Tools recommend that torque wrenches are recalibrated at least once a year or every 10,000 torque application cycles, whichever comes first. Full details of recalibration service can be obtained from your local stockist or by visiting www.tengtools.com.



Teng Tools. Calibration rigs for torque wrench calibration. The included base plate can be modified to suit most transducers. This plate is supplied with 64, 90 and 150 mm PCD pattern.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 16071 | -0109 | -0208 |
| Teng Tools..... | No | ICR400 | ICR1500 |
| Capacity, max. | Nm | 400 | 1500 |
| Weight..... | kg | 39 | 84 |



**Impact
Tools**

Impact sockets

An extensive range of impact sockets and accessories specifically designed for power tools.

- Manufactured in chrome molybdenum in accordance with GGG-W-6608 to ensure the highest quality of materials.
- Available in 1/4", 3/8", 1/2", 3/4" and 1" drive covering all the popular metric and AF sizes from 6mm to 95mm and 7/16" to 1 1/5" AF with regular, deep and thin wall options.
- Full range of accessories including extension bars, adaptors and universal joints.
- Available individually and in sets in DIN standard or ANSI standard to suit industrial and automotive applications.
- Individually branded and size marked for quick identification.
- 1/2", 3/4" and 1" ranges include a retaining pin and ring facility for added safety when used with power tools.
- A full range of impact screwdriver bits and bit holders also available.

Impact Sockets



Impact Socket Sets



Teng Tools. 24 piece impact socket set. Contains 5 1/4" short sockets, 9 short sockets 3/8", 9 long sockets 3/8" and one adaptor 3/8"-1/4".

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|--------------|---------------------------|
| Art. no. | 13247 | -0105 |
| Teng Tools | No | TT9024 |
| Short sockets, 1/4" □ drive | mm | 6 7 8 10 13 |
| Short sockets, 3/8" □ drive | mm | 8 10 11 12 13 14 16 17 19 |
| Long sockets, 3/8" □ drive | mm | 8 10 11 12 13 14 16 17 19 |
| Adaptor drive | inch | 3/8-1/4 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.07 |



Teng Tools. Sets containing power sockets with 6-point openings. Supplied on clip rail.

| | | | |
|-----------------------|-------------|--------------|----------------|
| Art. no. | 7524 | -0101 | -0200 |
| Teng Tools | No | 9381 | 9121 |
| No. of sockets | ea. | 8 | 10 |
| Drive □ | inch | 3/8 | 1/2 |
| Socket's size | mm | 8 10 11 13 | 10 11 13 14 |
| | | 14 16 17 19 | 17 19 21 22 24 |
| Weight | kg | 0.5 | 1.3 |



11496-0107

Teng Tools. Sets with deep impact sockets with 6-point openings. Supplied on clip rail. ANSI standard.

| | | | |
|-----------------------|--------------|--------------|----------------|
| Art. no. | 11496 | -0107 | -0206 |
| Teng Tools | No | 9386 | 9126 |
| No. of sockets | | 8 | 10 |
| Drive □ | inch | 3/8 | 1/2 |
| Socket's size | mm | 8 10 11 13 | 10 11 12 13 14 |
| | | 14 16 17 19 | 17 19 21 22 24 |
| Weight | kg | 1.1 | 2.6 |



Teng Tools. 7 piece set with impact socket tools. Contains three extension bars, universal joint, 2 adaptor drives for enlargement and one for reduction. PARASupplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.

| | | |
|------------------------------|--------------|------------------|
| Art. no. | 13246 | -0106 |
| Teng Tools | No | TT9207 |
| Extension bars, length | mm | 75, 125, 250 |
| Universal joint | inch | 1/2 |
| Adaptor drives | inch | 1/2-3/4, 3/8-1/2 |
| Adaptor drive | inch | 1/2-3/8 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.05 |



Teng Tools. 13 piece set with power socket tools according to ANSI standard. The tools are locked with a ball against the socket and with a locking ring and locking pin to the machine. Contains three extension rods, universal joint, 2 enlarging drives, one adapter drive, 3 locking rings and 3 locking pins.

Supplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.

| | | |
|------------------------------|--------------|--------------------------|
| Art. no. | 16068 | -0104 |
| Teng Tools | no | TT9207A |
| Extension bars, length | mm | 18 |
| Universal joint | inch | 1/2 |
| Förstoringstappar | inch | 1/2-3/4, 3/8-1/2 |
| Adaptor drive | inch | 1/2-3/8 |
| Locking rings | mm | 19x2.4, 20.2x3.5, 28x3.5 |
| Locking pins | mm | 2.5x18, 3x20, 3x28 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.15 |



Teng Tools. Set containing 16 1/2" drive impact sockets - regular and deep. Supplied in a plastic TC tray with removable cover. The cases fit in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|-------------|--------------|
| Art. no. | 6880 | -0101 |
| Teng Tools | No | TT9116 |
| Drive □ | inch | 1/2 |
| Socket sizes. short sockets | mm | 13 15 16 17 |
| | | 18 19 22 24 |
| Socket sizes. deep sockets | mm | 13 15 16 17 |
| | | 18 19 22 24 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 2.2 |

Impact Socket Sets

Teng Tools. Set containing 16 impact sockets - short and long and 2 locking pins and 2 O-rings.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|----------------------------------|--------------|--------------------------------|
| Art. no. | 14384 | -0106 |
| Teng Tools..... | No | TT9120D |
| Connection bracket □..... | inch | 1/2 |
| Socket sizes. short sockets..... | mm | 13, 15, 16, 17, 18, 19, 22, 24 |
| Socket sizes. long sockets..... | mm | 13, 15, 16, 17, 18, 19, 22, 24 |
| Locking pins..... | mm | 20x3.5, 25x3.5 |
| O-rings..... | mm | 3x20, 3x24 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 3.2 |

Teng Tools. Set of 3/4" impact sockets - 8 regular and 7 deep as per DIN-standard.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------|--------------|-------------------------|
| Art. no. | 12208 | -0104 |
| Teng Tools..... | No | TTX9415 |
| Drive..... | inch | 3/4 |
| Short sockets, size..... | mm | 19 24 27 28 30 32 34 36 |
| Deep sockets, size..... | mm | 19 24 27 30 32 33 36 |
| Case size LxWxH..... | mm | 560x110x60 |
| Weight..... | kg | 9.0 |

Teng Tools. 16 piece set. Containing 9 3/4" drive metric 6 point regular sockets according to DIN-standard., extension bar, three retaining rings and three retaining pins.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|---------------------------|--------------|----------------------------|
| Art. nr. | 16069 | -0103 |
| Teng Tools..... | No | TTD9416 |
| Ddrive..... | □ | 3/4" |
| Impact socket sizes..... | mm | 19 24 27 30 32 33 34 36 38 |
| Extension bar..... | mm | 175 |
| Retaining rings 3 pc..... | mm | 38.0x3.5 |
| Retaining pins 2 pc..... | mm | 4.0x37 |
| Box size LxWxH..... | mm | 280x280x50 |
| Weight..... | kg | 13.0 |

Teng Tools. Set of twelve 1/2" impact bits for internal TX heads.

Supplied in a plastic TC tray with removable cover that fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-------------------------|--------------|-------------------------------------|
| Art. no. | 12813 | -0101 |
| Teng Tools..... | No | TT9212TX |
| No. of socket bits..... | ea. | 12 |
| TX-size..... | TX- | 10 15 20 25 27 30 40 45 50 55 60 70 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 0.9 |

Teng Tools. Set with 15 hex impact socket bits.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|--------------|-----------------------------|
| Art. no. | 15141 | -0107 |
| Teng Tools..... | No. | TT9015HX |
| Socket bits with 3/8" □-drive, size..... | mm | 4, 5, 6, 7, 8, 10, 12 |
| Socket bits with 1/2" □-drive, size..... | mm | 5, 6, 8, 10, 12, 14, 17, 19 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 1.492 |

Wheel nut socket set



Teng Tools. For domed cap nuts. Set of 3 chrome-moly steel sockets. Equipped with protective sleeve that protects when used on aluminium rims.

| | | |
|------------------------|--------------|--------------|
| Art. no. | 11887 | -0104 |
| Teng Tools..... | No | 9203N |
| Socket dimensions..... | mm | 17, 19, 21 |
| Length..... | mm | 85 |

Wheel nut sockets



Teng Tools. For domed cap nuts. Chrome-moly steel. Equipped with protective sleeve that protects when used on aluminium rims.

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11835 | -0107 | -0206 | -0305 |
| Teng Tools..... | No | 920517N | 920519N | 920521N |
| Size..... | mm | 17 | 19 | 21 |
| Length..... | mm | 85 | 85 | 85 |
| Pack..... | qty | 5 | 5 | 5 |

Impact Driver Sets

Teng Tools. Reversible action. Driver designed with 1/2" □-drive, but is also equipped with a chuck in which bits with 5/16"-⊕-drive can be fitted. Supplied complete with chuck and two screwdriver bits for slotted heads and Phillips heads. Supplied in metal case.



| | | |
|-------------------------------|-------------|--------------|
| Art. no. | 0312 | -0102 |
| Teng Tools..... | No | ID506 |
| For bits with drive..... | ⊕-inch | 5/16 |
| Bits for slotted heads..... | mm | 1.4x8 2.2x10 |
| Bits for Phillips-heads..... | No | 2 3 |
| Separate bit set | 0312 | -0201 |

Teng Tools. Set of 15 pieces. Reversible action. Driver designed with 1/2" □-drive, but is also equipped with a chuck in which bits with 5/16"-⊕-drive can be fitted. With adaptor 5/16"⊕-3/8"□, chuck 1/2"□-5/16"⊕ and 12 different bits. Supplied in metal case.



| | | |
|-------------------------------|-------------|------------------------------|
| Art. no. | 7266 | -0103 |
| Teng Tools..... | No | ID 515 |
| For bits with drive..... | ⊕-inch | 5/16 |
| Bits for slotted heads..... | mm | 1.4x6 1.4x8 2.2x10 1.8x12 |
| Bits for Phillips heads..... | No | 1 2 3 4 |
| Bits hex type bits..... | mm | 4 5 6 8 |
| Adaptor drive..... | inch | 1/2-3/8 |
| Separate bit set | 7266 | -0202 |

Teng Tools. Set containing 1/2" impact driver, bit socket, adaptor ⊕5/16"-3/8"□ as well as 17 bits. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--|--------------|---------------------------|
| Art. no. | 10210 | -0104 |
| Teng Tools..... | No | TTID20 |
| For bits with drive..... | ⊕ inch | 5/16 |
| Bits for slotted heads..... | mm | 1.4x6 1.4x8 2.2x10 1.8x12 |
| Bits for Phillips heads..... | No | 1 2 3 4 |
| Bits for int. hex holes..... | mm | 4 5 6 8 |
| Bits for TX heads..... | TX | 30 40 45 50 55 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 1.1 |
| Spare adaptor 3/8"□ - 5/16"⊕..... | 10210 | -0203 |
| Pack..... | qty | 10 |

Impact Bits

Teng Tools. Bits with $\frac{5}{16}$ " drive. Length 36 mm.

| Art. no. | Teng Tools No | For screw with | Pack. qty |
|-------------------|---------------|--------------------------|-----------|
| 11648-0104 | 910504 | 4 mm hex holes | 1 |
| 11648-0203 | 910505 | 5 mm hex holes | 1 |
| 11648-0302 | 910506 | 6 mm hex holes | 1 |
| 11648-0401 | 910508 | 8 mm hex holes | 1 |
| 11648-0500 | 940006 | 6 mm slotted head | 1 |
| 11648-0609 | 940008 | 8 mm slotted head | 1 |
| 11648-0708 | 940010 | 10 mm slotted head | 1 |
| 11648-0807 | 940012 | 12 mm slotted head | 1 |
| 11648-0906 | 930001 | No 1 Phillips head | 1 |
| 11648-1003 | 930002 | No 2 Phillips head | 1 |
| 11648-1102 | 930003 | No 3 Phillips head | 1 |
| 11648-1201 | 930004 | No 4 Phillips head | 1 |
| 13223-0103 | 920001 | No 1 Pozidriv cross head | 1 |
| 13223-0202 | 920002 | No 2 Pozidriv cross head | 1 |
| 13223-0301 | 920003 | No 3 Pozidriv cross head | 1 |
| 14987-0107 | 970030 | TX30 for TX-head | 10 |
| 14987-0206 | 970040 | TX40 for TX-head | 10 |
| 14987-0305 | 970045 | TX45 for TX-head | 10 |
| 14987-0404 | 970050 | TX50 for TX-head | 10 |
| 14987-0503 | 970055 | TX55 for TX-head | 10 |



Impact Accessories



Teng Tools. Different parts for interconnecting different impact socket tools.

| Art. no. | Teng Tools No | Connect- ation | Product | For lock- ring | For lock- pin | Pack. qty |
|-------------------|---------------|-------------------|--|----------------------|---------------------|--------------|
| 11669-0058 | 980020-C | $\frac{3}{8}$ " | Extension bar 75 mm | O92416 | P902515 | 10 |
| 11669-0850 | 980035-C | $\frac{3}{8}$ " | Adapter drive $\frac{3}{8}$ "- $\frac{1}{4}$ " | O92419 | P902518 | 10 |
| 11669-0108 | 980036-C | $\frac{3}{8}$ " | Adapter drive $\frac{3}{8}$ "- $\frac{1}{2}$ " | O92419 | P902518 | 10 |
| 11669-0207 | 980060-C | $\frac{3}{8}$ " | Impact bit socket $\frac{1}{4}$ " | - | - | 10 |
| 10210-0203 | 980086-C | $\frac{3}{8}$ " | Adapter $\frac{3}{8}$ " \square - $\frac{5}{16}$ " \square | - | - | 10 |
| 11669-0405 | 920020-C | $\frac{1}{2}$ " | Extension bar 75 mm | O935202 | P90320 | 10 |
| 11669-0504 | 920021-C | $\frac{1}{2}$ " | Extension bar 125 mm | O935202 | P90320 | 10 |
| 11669-0603 | 920023-C | $\frac{1}{2}$ " | Extension bar 250 mm | O935202 | P90320 | 10 |
| 11669-0702 | 920030-C | $\frac{1}{2}$ " | Universal joint | O93528 | P90328 | 10 |
| 11669-0801 | 920036-C | $\frac{1}{2}$ " | Adapter drive $\frac{1}{2}$ "- $\frac{3}{8}$ " | O935202 | P90320 | 10 |
| 11669-0900 | 920037-C | $\frac{1}{2}$ " | Adapter drive $\frac{1}{2}$ "- $\frac{3}{4}$ " | O935202 | P90320 | 10 |
| 11669-1007 | 920060-C | $\frac{1}{2}$ " | Bit socket $\frac{5}{16}$ " | - | - | 10 |
| 11669-1106 | 940022 | $\frac{3}{4}$ " | Extension bar 175 mm | O93538 | P90437 | 10 |
| 11669-1205 | 940030 | $\frac{3}{4}$ " | Universal joint | O93538 | P90437 | 10 |
| 11669-1304 | 940037 | $\frac{3}{4}$ " | Adapter drive $\frac{3}{4}$ "- $\frac{1}{2}$ " | O93538 | P90437 | 10 |
| 11669-1403 | 940085 | $\frac{3}{4}$ " | Adapter drive $\frac{3}{4}$ "-1" | O93538 | P90437 | 1 |
| 11669-1502 | 910086 | 1" | Adapter drive 1"- $\frac{3}{4}$ " | O93546 | P90543 | 1 |

Impact Accessories



Teng Tools. Different parts for interconnecting different impact socket tools. ANSI-standard. Male end with ball, Female end with groove and hole for retaining ring and pin.

| Art. no. | Teng Tools | Drive | Product | For retaining ring | For Retaining pin |
|-------------------|------------|-------|---------------------------|--------------------|-------------------|
| | No | ☐ | | | |
| 16094-0102 | 980036A-C | 3/8" | Step up adapter 3/8"-1/2" | O92416 | P902515 |
| 16072-0108 | 920020A-C | 1/2" | Extension bar 75 mm | O935202 | P90320 |
| 16072-0207 | 920021A-C | 1/2" | Extension bar 125 mm | O935202 | P90320 |
| 16072-0306 | 920023A-C | 1/2" | Extension bar 250 mm | O935202 | P90320 |
| 16072-0405 | 920030A-C | 1/2" | Universal joint | O93528 | P90328 |
| 16072-0504 | 920037A-C | 1/2" | Step up adapter 1/2"-3/4" | O935202 | P90320 |

Retaining Rings



Teng Tools. For connecting sockets in machines with drilled square drives. Prevents the locking pin from coming out of position.

| | | | | | |
|---------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no..... | 11674 | -0051 | -0085 | -0101 | -0200 |
| Teng Tools..... | No | O92416 | O92419 | O935202 | O93525 |
| Diam.x thick..... | mm | 16.0x2.4 | 19.0x2.4 | 20.2x3.5 | 25.0x3.5 |
| Pack..... | qty | 10 | 10 | 100 | 10 |
| Art. no..... | 11674 | -0309 | -0333 | -0358 | -0382 |
| Teng Tools..... | No | O93528 | O93530 | O93532 | O93534 |
| Diam.x thick..... | mm | 28.0x3.5 | 30.0x3.5 | 32.0x3.5 | 34.0x3.5 |
| Pack..... | qty | 10 | 10 | 10 | 10 |
| Art. no..... | 11674 | -0408 | -0507 | -0606 | -0705 |
| Teng Tools..... | No | O93538 | O93546 | O93548 | O970055 |
| Diam.x thick..... | mm | 38.0x3.5 | 46.0x3.5 | 48.0x3.5 | 75.0x5.7 |
| Pack..... | qty | 10 | 10 | 10 | 10 |

Retaining Pins

Teng Tools. To lock sockets and tools in machines with drilled square drives.



| | | | | | | |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no..... | 11675 | -0050 | -0084 | -0100 | -0209 | -0308 |
| Teng Tools..... | No | P902515 | P90320 | P90320 | P90324 | P90328 |
| Diam.xlength..... | mm | 2.5x15 | 2.5x18 | 3x20 | 3x24 | 3x28 |
| Pack..... | qty | 10 | 10 | 10 | 10 | 10 |
| Art. no..... | 11675 | -0357 | -0407 | -0506 | -0605 | |
| Teng Tools..... | No | P90332 | P90437 | P90543 | P90675 | |
| Diam.xlength..... | mm | 3x32 | 4x37 | 5x43 | 6x75 | |
| Pack..... | qty | 10 | 10 | 10 | 10 | |

Impact Sockets

1/4" Drive

Teng Tools. Thinnwalled. Chrome molybdenum. 6 point. Black.

| Size | Standard-length Teng Tools 9605-C | | |
|------|--------------------------------------|--------------------------|--------------|
| mm | Length mm | Art. no. <i>13243</i> | Pack. qty |
| 6 | 21 | -0109 | 10 |
| 7 | 21 | -0208 | 10 |
| 8 | 21 | -0307 | 10 |
| 10 | 21 | -0406 | 10 |
| 13 | 21 | -0505 | 10 |



3/8" Drive



11483

11486

Teng Tools. Made of chrome-molybdenum special steel. With 6-point openings. Black.

| Size grip mm | Standard-length Teng Tools 9805-C | | | Long Teng Tools 9806-C | | |
|--------------------|--------------------------------------|--------------|--------------|---------------------------|--------------|--------------|
| | Art. no. <i>11483</i> | Length mm | Pack. qty | Art. no. <i>11486</i> | Length mm | Pack. qty |
| 8 | -0102 | 30 | 10 | -0109 | 65 | 10 |
| 10 | -0201 | 30 | 10 | -0208 | 65 | 10 |
| 11 | -0300 | 30 | 10 | -0307 | 65 | 10 |
| 12 | -0409 | 30 | 10 | -0406 | 65 | 10 |
| 13 | -0508 | 30 | 10 | -0505 | 65 | 10 |
| 14 | -0607 | 30 | 10 | -0604 | 65 | 10 |
| 15 | -0656 | 30 | - | - | - | - |
| 16 | -0706 | 30 | 10 | -0703 | 65 | 10 |
| 17 | -0805 | 30 | 10 | -0802 | 65 | 10 |
| 19 | -0904 | 30 | 10 | -0901 | 65 | 10 |

Teng Tools. Impct socket bits for internal hexagon holes. Chrome molybdenum. The socket bits are supplied with hole for retaining pin and groove for retaining ring. Black.

| | | | | | |
|------------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 15143 | -0105 | -0204 | -0303 | -0402 |
| Teng Tools 9815-C | | | | | |
| Size..... | mm | 4 | 5 | 6 | 7 |
| Length..... | mm | 52 | 52 | 52 | 52 |
| Suitable retaining pin..... | Nr | P90320 | P90320 | P90320 | P90320 |
| Suitable retaining ring..... | Nr | O935202 | O935202 | O935202 | O935202 |
| Pack..... | qty | 10 | 10 | 10 | 10 |
| Art. no. | 15143 | -0501 | -0600 | -0709 | |
| Teng Tools 9815-C | | | | | |
| Size..... | mm | 8 | 10 | 12 | |
| Length..... | mm | 52 | 52 | 52 | |
| Suitable retaining pin..... | Nr | P90320 | P90320 | P90320 | |
| Suitable retaining ring..... | Nr | O935202 | O935202 | O935202 | |
| Pack..... | qty | 10 | 10 | 10 | |





Impact Sockets

1/2" Drive

Teng Tools. Made of chrome-molybdenum special steel. With 6-point openings. The sockets are equipped with a hole for a locking pin that locks the socket on the machine's square drive. Black.

| Size grip | Standard-length Teng Tools 9205-C | | | Long Teng Tools 9206-C | | | For lock- | For lock- |
|-----------|--------------------------------------|----------|-------|---------------------------|----------|-------|-----------|-----------|
| | Length | Art. no. | Pack. | Length | Art. no. | Pack. | ring No | pin No |
| mm | mm | 10178 | qty | mm | 10178 | qty | | |
| 8 | 38 | -0021 | 10 | - | - | - | O935202 | P90320 |
| 10 | 38 | -0039 | 10 | 78 | -0930 | 10 | O935202 | P90320 |
| 11 | 38 | -0062 | 10 | 78 | -0963 | 10 | O935202 | P90320 |
| 12 | 38 | -0096 | 10 | 78 | -0997 | 10 | O935202 | P90320 |
| 13 | 38 | -0104 | 10 | 78 | -1003 | 10 | O935202 | P90320 |
| 14 | 38 | -0153 | 10 | 78 | -1052 | 10 | O935202 | P90320 |
| 15 | 38 | -0203 | 10 | 78 | -1102 | 10 | O93525 | P90324 |
| 16 | 38 | -0302 | 10 | 78 | -1201 | 10 | O93525 | P90324 |
| 17 | 38 | -0401 | 10 | 78 | -1300 | 10 | O93525 | P90324 |
| 18 | 38 | -0500 | 10 | 78 | -1409 | 10 | O93525 | P90324 |
| 19 | 38 | -0609 | 10 | 78 | -1508 | 10 | O93525 | P90324 |
| 20 | 38 | -0633 | 10 | - | - | - | O93525 | P90324 |
| 21 | 38 | -0658 | 10 | 78 | -1557 | 10 | O93525 | P90324 |
| 22 | 38 | -0708 | 10 | 78 | -1607 | 10 | O93525 | P90324 |
| 23 | 38 | -0757 | 10 | - | - | - | O93525 | P90324 |
| 24 | 45 | -0807 | 10 | 78 | -1706 | 10 | O93525 | P90324 |
| 25 | 45 | -0815 | 10 | - | - | - | O93525 | P90324 |
| 26 | 50 | -0823 | 10 | - | - | - | O93525 | P90324 |
| 27 | 50 | -0831 | 1 | 78 | -1805 | 10 | O93525 | P90324 |
| 28 | 50 | -0849 | 10 | 78 | -1904 | 10 | O93525 | P90324 |
| 29 | 50 | -0856 | 10 | 78 | -2001 | 10 | O93525 | P90324 |
| 30 | 50 | -0864 | 10 | 78 | -2100 | 10 | O93525 | P90324 |
| 32 | 50 | -0872 | 10 | 78 | -2209 | 10 | O93525 | P90324 |
| 35 | - | - | - | 90 | -2308 | 10 | O93525 | P90324 |
| 36 | - | - | - | 90 | -2407 | 10 | O93525 | P90324 |

| Size grip | Size grip | Standard-length Teng Tools 9201-C | | | Long Teng Tools 9202-C | | | For lock- | For lock- |
|-----------|-----------|--------------------------------------|----------|-------|---------------------------|----------|-------|-----------|-----------|
| | | Length | Art. no. | Pack. | Length | Art. no. | Pack. | ring No | pin No |
| inch | mm | mm | 11487 | qty | mm | 11487 | qty | | |
| 7/16 | 11.1 | 38 | -0108 | 10 | 78 | -2005 | 10 | O935202 | P90320 |
| 1/2 | 12.7 | 38 | -0207 | 10 | 78 | -2104 | 10 | O935202 | P90320 |
| 9/16 | 14.3 | 38 | -0306 | 10 | 78 | -2203 | 10 | O935202 | P90320 |
| 5/8 | 15.9 | 38 | -0405 | 10 | 78 | -2302 | 10 | O935202 | P90320 |
| 11/16 | 17.5 | 38 | -0504 | 10 | 78 | -2401 | 10 | O935202 | P90320 |
| 3/4 | 19 | 38 | -0603 | 10 | 78 | -2500 | 10 | O935202 | P90320 |
| 13/16 | 20.6 | 38 | -0702 | 10 | 78 | -2609 | 10 | O935202 | P90320 |
| 7/8 | 22.2 | 38 | -0801 | 10 | 78 | -2708 | 10 | O935202 | P90320 |
| 15/16 | 23.8 | 38 | -0900 | 10 | 78 | -2807 | 10 | O93530 | P90328 |
| 1 | 25.4 | 38 | -1007 | 10 | 78 | -2906 | 10 | O93532 | P90328 |
| 1 1/8 | 28.6 | 38 | -1106 | - | - | - | - | O93534 | P90332 |
| 1 1/16 | 33.3 | - | - | - | 78 | -3003 | 10 | O93534 | P90332 |
| 1 1/2 | 38 | - | - | - | 78 | -3102 | 10 | O93534 | P90332 |

Impact Sockets

1/2" Drive

Teng Tools. Impact bits of chrome vanadium steel for **internal TX heads**. The shape of the head gives minimal torque transmission losses.

| | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 12814 | -0100 | -0209 | -0308 | -0407 |
| Teng Tools | No | 921210TX-C | 921215TX-C | 921220TX-C | 921225TX-C |
| TX-size | TX- | 10 | 15 | 20 | 25 |
| Max. head width..... | mm | 2.74 | 3.27 | 3.86 | 4.43 |
| For screw | M | 3-3.5 | 3.5-4 | 4-5 | 4.5-5 |
| Suitable retainer ring. | No | O935202 | O935202 | O935202 | O935202 |
| Suitable locking pin... | No | P90320 | P90320 | P90320 | P90320 |
| Length | mm | 78 | 78 | 78 | 78 |
| Art. no. | 12814 | -0506 | -0605 | -0704 | -0803 |
| Teng Tools | No | 921227TX-C | 921230TX-C | 921240TX-C | 921245TX-C |
| TX-size | TX- | 27 | 30 | 40 | 45 |
| Max. head width..... | mm | 4.99 | 5.52 | 6.65 | 7.82 |
| For screw | M | 4.5-6 | 6-7 | 7-8 | 8-10 |
| Suitable retainer ring. | No | O935202 | O935202 | O935202 | O935202 |
| Suitable locking pin... | No | P90320 | P90320 | P90320 | P90320 |
| Length | mm | 78 | 78 | 78 | 78 |
| Art. no. | 12814 | -0902 | -1009 | -1108 | -1207 |
| Teng Tools | No | 921250TX-C | 921255TX-C | 921260TX-C | 921270TX-C |
| TX-size | TX- | 50 | 55 | 60 | 70 |
| Max. head width..... | mm | 8.83 | 11.25 | 13.25 | 15.5 |
| For screw | M | 10 | 12 | 14 | 16 |
| Suitable retainer ring. | No | O935202 | O935202 | O935202 | O935202 |
| Suitable locking pin... | No | P90320 | P90320 | P90320 | P90320 |
| Length | mm | 78 | 78 | 78 | 78 |

Teng Tools. Impact socket bits for internal hexagon holes. Chrome molybdenum. The socket bits are supplied with hole for retaining pin and groove for retaining ring. Black.

| | | | | | |
|----------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 15142 | -0106 | -0205 | -0304 | -0403 |
| Teng Tools 9215-C | | | | | |
| Size | mm | 5 | 6 | 8 | 10 |
| Length | mm | 78 | 78 | 78 | 78 |
| Suitable locking pin | Nr | P90320 | P90320 | P90320 | P90320 |
| Suitable locking ring..... | Nr | O935202 | O935202 | O935202 | O935202 |
| Pack. | qty | 10 | 10 | 10 | 10 |
| Art. no. | 15142 | -0502 | -0601 | -0700 | -0809 |
| Teng Tools 9215-C | | | | | |
| Size | mm | 12 | 14 | 17 | 19 |
| Length | mm | 68 | 78 | 78 | 78 |
| Suitable locking pin | Nr | P90320 | P90320 | P90320 | P90320 |
| Suitable locking ring..... | Nr | O935202 | O935202 | O935202 | O935202 |
| Pack. | qty | 10 | 10 | 10 | 10 |

3/4" Drive

Teng Tools. Made of chrome-molybdenum special steel. With 6-point openings. The sockets are equipped with a hole for a locking pin that locks the socket on the machine's square drive. Black.

| Size grip mm | Standard-length Teng Tools 9405 | | Long Teng Tools 9406 | | For lock- ring No | For lock- pin No |
|-----------------|------------------------------------|--------------------------|-------------------------|--------------------------|-------------------------|------------------------|
| | Length mm | Art. no. 11488 | Length mm | Art. no. 11489 | | |
| 19 | 50 | -0107 | 95 | -0106 | O93538 | P90437 |
| 21 | 50 | -0156 | 95 | -0155 | O93538 | P90437 |
| 22 | 50 | -0172 | 95 | -0171 | O93538 | P90437 |
| 23 | 50 | -0198 | 95 | -0197 | O93538 | P90437 |
| 24 | 50 | -0206 | 95 | -0205 | O93538 | P90437 |
| 27 | 54 | -0305 | 95 | -0304 | O93538 | P90437 |
| 28 | 54 | -0404 | - | - | O93538 | P90437 |
| 30 | 54 | -0503 | 95 | -0403 | O93538 | P90437 |
| 32 | 56 | -0602 | 95 | -0502 | O93538 | P90437 |
| 33 | 56 | -0701 | 95 | -0601 | O93538 | P90437 |
| 34 | 56 | -0800 | 95 | -0700 | O93538 | P90437 |
| 36 | 56 | -0909 | 95 | -0809 | O93538 | P90437 |
| 38 | 58 | -1006 | 95 | -0908 | O93538 | P90437 |
| 40 | 58 | -1055 | - | - | O93538 | P90437 |
| 41 | 58 | -1105 | 95 | -1005 | O93538 | P90437 |
| 46 | 63 | -1204 | 95 | -1104 | O93538 | P90437 |



Impact Sockets

3/4" Drive



Teng Tools. Impact socket bit. Made of chrome-molybdenum steel. For internal hexagon holes.

| | | | | |
|-------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 14398 | -0100 | -0209 | -0308 |
| Teng Tools | No | 941519-C | 941522-C | 941524-C |
| For hexagon holes | mm | 19 | 22 | 24 |
| Suitable retaining ring | No. | O93538 | O93538 | O93538 |
| Suitable retaining pin | No. | P90437 | P90437 | P90437 |
| Length | mm | 90 | 90 | 90 |

1" Drive



Teng Tools. Made of chrome-molybdenum special steel. With 6 point openings. The sockets are equipped with a hole for a locking pin that locks the socket on the machine's square drive. Black.

| Size mm | Standard-length Teng Tools 9105 | | | Deep Teng Tools 9106R | | For retaining ring No | For retaining pin No |
|------------|------------------------------------|---------------------------------|--------------|--------------------------|---------------------------------|--------------------------------|-------------------------------|
| | Length mm | Art. no. 11490 | Pack. qty | Length mm | Art. no. 11492 | | |
| 24 | 58 | -0103 | 1 | - | - | O93546 | P90543 |
| 27 | 58 | -0202 | 1 | 100 | -0101 | O93546 | P90543 |
| 30 | 60 | -0301 | 1 | 100 | -0200 | O93546 | P90543 |
| 32 | 60 | -0400 | 1 | 100 | -0309 | O93546 | P90543 |
| 33 | 60 | -0509 | 1 | 100 | -0408 | O93546 | P90543 |
| 34 | 60 | -0608 | 1 | - | - | O93546 | P90543 |
| 36 | 65 | -0707 | 1 | - | - | O93546 | P90543 |
| 38 | 65 | -0806 | 1 | - | - | O93546 | P90543 |
| 41 | 67 | -0905 | 1 | - | - | O93546 | P90543 |
| 46 | 74 | -1002 | 1 | - | - | O93546 | P90543 |
| 50 | 80 | -1101 | 1 | - | - | O93546 | P90543 |
| 55 | 84 | -1200 | 1 | - | - | O93546 | P90543 |
| 60 | 87 | -1309 | 1 | - | - | O93546 | P90543 |
| 65 | 90 | -1408 | 1 | - | - | O93546 | P90543 |
| 70 | 96 | -1507 | 1 | - | - | O93546 | P90543 |
| 75 | 98 | -1606 | 1 | - | - | O93546 | P90675 |
| 80 | 100 | -1705 | 2 | - | - | O95775 | P90675 |
| 85 | 100 | -1804 | 2 | - | - | O95775 | P90675 |
| 90 | 100 | -1903 | 1 | - | - | O95775 | P90675 |
| 95 | 100 | -2000 | 1 | - | - | O93546 | P90675 |

Teng Tools. Made of chrome-molybdenum special steel. **Thin walled, long sockets** with 6-point openings. The sockets are equipped with a hole for a locking pin that locks the socket on the machine's square drive. Black.



| | | | | | |
|-------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 11491 | -0102 | -0201 | -0251 | -0300 |
| Teng Tools 9106 | | | | | |
| Size | mm | 24 | 27 | 28 | 30 |
| For locking rings | No | O93546 | O93546 | O93546 | O93546 |
| For locking pins | No | P90543 | P90543 | P90543 | P90543 |
| Length | mm | 100 | 100 | 100 | 100 |

| | | | | |
|-------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11491 | -0409 | -0508 | -0607 |
| Teng Tools 9106 | | | | |
| Size | mm | 32 | 33 | 36 |
| For locking rings | No | O93546 | O93546 | O93546 |
| For locking pins | No | P90543 | P90543 | P90543 |
| Length | mm | 100 | 100 | 100 |



Insulated Tools

1,000 volt insulated tools

So called 1,000 volt tools should always be used when carrying out electrical work. A tested and fully approved 1,000 volt tool can protect the user against currents up to 1,000 volts. Full approval means that the tool must be insulated and tested in accordance with IEC 60 900 and DIN 60 900 and not just VDE 0680.



- IEC 60 900 is the standard that applies worldwide for production line testing tools that are intended for use in electrical work.
- DIN 60 900 is a European standard that was created in 1995 that specifies that each individual tool must be tested to check for insulation for 1,000 volts.
- VDE is an independent authority that tests and checks tools with regard to design, production and packaging. It is not the same as IEC 60 900 or DIN 60 900.



All Teng Tools 1,000 volt tools fully conform to all three standards. They easily meet or exceed all the specifications laid down by the appropriate authorities. Each tool is also individually tested before being marked with a special standard mark and a mark showing the year of manufacture.

Insulated Tools



All Teng Tools 1,000 volt pliers and screwdrivers are tested for:

- Insulation properties, i.e. resistibility up to 1,000 volts in dry or damp conditions.
- Resistance to cold, i.e. how well the tool withstands the cold.
- Durability, i.e. that the insulated grips do not become loose.
- Resistance to flame, i.e. how well the tool withstands fire.
- Insulation properties under pressure, i.e. how well the tool retains it's insulation properties when subjected to pressure.



Insulated Tools - 1000V

Screwdrivers - flat type

Teng Tools. Insulated screwdrivers. Manufactured according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians).



| Art. no. | 11751 | -0107 | -0206 | -0305 |
|-----------------|-------|---------|---------|---------|
| Teng Tools | No | MDV820 | MDV822 | MDV824 |
| Blade t x width | mm | 0.4x2.5 | 0.5x3.0 | 0.8x4.0 |
| Blade length | mm | 75 | 100 | 100 |
| handle length | mm | 175 | 200 | 210 |
| Pack. | qty | 10 | 10 | 10 |

| Art. no. | 11751 | -0404 | -0503 |
|-----------------|-------|---------|---------|
| Teng Tools | No | MDV826 | MDV828 |
| Blade t x width | mm | 1.0x5.5 | 1.2x6.5 |
| Blade length | mm | 125 | 150 |
| handle length | mm | 230 | 98 |
| Pack. | qty | 10 | 10 |

Screwdrivers - PH type

Teng Tools. Insulated screwdrivers. Manufactured according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians).



| Art. no. | 11752 | -0106 | -0205 | -0304 | -0403 |
|-----------------|-------|--------|--------|--------|--------|
| Teng Tools | No | MDV840 | MDV842 | MDV844 | MDV846 |
| For cross heads | No | 0 | 1 | 2 | 3 |
| Blade length | mm | 60 | 80 | 100 | 150 |
| handle length | mm | 160 | 185 | 225 | 290 |
| Pack. | qty | 10 | 10 | 10 | 5 |

Screwdrivers - PZ type

Teng Tools. Insulated screwdrivers. Manufactured according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians).



| Art. no. | 11753 | -0105 | -0204 | -0303 | -0402 |
|-----------------|-------|--------|--------|--------|--------|
| Teng Tools | No | MDV860 | MDV862 | MDV864 | MDV866 |
| For cross heads | mm | 0 | 1 | 2 | 3 |
| Blade length | mm | 60 | 80 | 100 | 150 |
| handle length | mm | 160 | 185 | 185 | 290 |
| Pack. | qty | 10 | 10 | 10 | 5 |

Plier Set

Teng Tools. Set of 4 insulated pliers. Manufactured according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians).

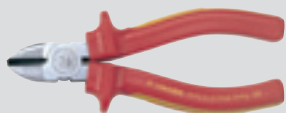
Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.



| Art. no. | 11749 | -0102 |
|-------------------------------------|-------|------------|
| Teng Tools | No | TTV440 |
| Contents: | | |
| Side cutters MBV441-6, length | mm | 150 |
| Combination pliers MBV451-7, length | mm | 175 |
| Flat nose pliers MBV461-8, length | mm | 200 |
| Stripping pliers MBV499-7, length | mm | 175 |
| Case size | mm | 265x142x50 |
| Weight | kg | 1.1 |

Insulated Tools - 1000V

Side Cutters



Teng Tools. Manufactured and tested according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians). Single joint. Polished head. Ergonomically designed two component handle sleeves.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11758 | -0100 |
| Teng Tools | No | MBV441-6 |
| Length | mm | 150 |
| Cuts piano wire | mm | 0.5 |
| Pack. | qty | 6 |



Teng Tools. Manufactured and tested according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians). Heavy-duty model with hardened 72° side cutters. With ergonomically designed two component handle sleeves.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11759 | -0109 |
| Teng Tools | No | MBV442-8 |
| Length | mm | 200 |
| Cuts piano wire | mm | 2.5 |
| Pack. | qty | 6 |

Combination Pliers



Teng Tools. Manufactured and tested according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians). Heavy-duty model with pipe grip and serrated grip surfaces. With ergonomically designed two component handle sleeves.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 11761 | -0105 | -0204 |
| Teng Tools | No | MBV451-7 | MBV451-8 |
| Length | mm | 175 | 200 |
| Cuts piano wire | mm | 1.5 | 2.0 |
| Pack. | qty | 6 | 6 |

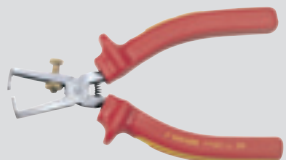
Long Nose Pliers



Teng Tools. Manufactured and tested according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians). Single joint. Polished head. Long, straight jaws. Serrated grip surface. With ergonomically designed two component handle sleeves.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11762 | -0104 |
| Teng Tools | No | MBV461-8 |
| Length | mm | 200 |
| Length of nose | mm | 65 |
| Pack. | qty | 6 |

Wire Stripping Pliers



Teng Tools. Manufactured and tested according to the standard IEC 60900 for work under voltage up to 1000 volt (by qualified electricians). Single joint. With adjust screw to set the required wire diameter 0.2-3.0 mm as well as return spring and ergonomically designed two component handle sleeves.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 11763 | -0103 |
| Teng Tools | No | MBV499-7 |
| For wire max. dia. | mm | 0.2-3.0 |
| Length | mm | 180 |
| Pack. | qty | 6 |





Service Tools

Auto Tools Protecting Wing Cover



Teng Tools. Plastic protective mat with magnetic strips. Used to protect painted surfaces when repairing cars.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10948 | -0103 |
| Teng Tools | No | FC-01 |
| Size HxW | mm | 400x1070 |

Feeler Gauge



Teng Tools. 20 blades in millimetre sizes and a non magnetic blade 0.10 mm. For measuring slots, bearing play, etc. Nickel-plated, lockable holder and conical blade.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 11686 | -0107 |
| Teng Tools | No | FG21 |
| No. of blades | ea. | 21 |
| Measurement range | mm | 0.05-1.00 |
| Non magnetic brass blade | mm | 0.10 |
| Pack | qty | 6 |

Hose Clamp Set



Teng Tools. Special designed jaws prevents internal hose linings from destruction. Light-weight easy to handle and non conductive safety. 3 sizes that fit most hose sizes.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-------------------------|--------------|-------------------------------|
| Art. no. | 11842 | -0108 |
| Teng Tools | No | TTHC03 |
| Number of clamps | | 3 |
| For hose diameter | inch | 1/4-3/4, 1/4-1 1/4, 3/4-2 1/4 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.49 |

Hose Clamps



Teng Tools. Special designed jaws prevents internal hose linings from destruction. Light-weight easy to handle and non conductive safety. 3 sizes to fit all types of hose.



| | | | | |
|------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11773 | -0101 | -0200 | -0309 |
| Teng Tools | No | AT080 | AT085 | AT090 |
| Length | mm | 155 | 185 | 250 |
| Jaw length | mm | 20 | 38 | 75 |
| For hosediameter | inch | 1/4-3/4 | 1/4-1 1/4 | 3/4-2 1/4 |
| Pack | qty | 5 | 5 | 5 |

Oil Service Kit



Teng Tools. Set consisting of 6 double ended drain plug sockets, 2, 6-point spark plug sockets, 1 oil filter wrench, 2 extension bars 75 and 250mm long, adaptor drive 1/2"-3/8", 3/8" drive socket 21mm, telescopic inspection mirror with magnet and a set of feeler gauges.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------------------|-------------|---|
| Art. no. | 0396 | -0101 |
| Teng Tools | No | TTOS16 |
| No. of pieces | | 16 |
| Size of drain plug sockets | | 5/16x3/8, 11x12, 17x1/2, 8x3/8, 13x14, 8x10 |
| Spark plug sockets 3/8" | mm | 16, 21 |
| Extension bars 3/8", length | mm | 75, 250 |
| Feeler gauge (21 blades) | mm | 0.05-1.00 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.8 |

Auto Tools

Oil Filter Remover Plier



Teng Tools. Multi function pliers with adjustable opening 53-118 mm. Chrome vanadium steel, hardened, nickel-plated, drop forged jaws. Self-locking and with quick release.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 11778 | -0106 |
| Teng Tools | No | 409 |
| Adjustable opening | mm | 53-118 |
| Pack. | qty | 5 |

Strap Oil Filter Wrench

Teng Tools. For assembling and dismantling oil filters With 1/2" □-drive for socket tools.
No 9110. With nylon strap.
No 9120. With chain.



| | | | |
|--------------------------------|--------------|--------------|--------------|
| Art. no. | 11231 | -0107 | -0206 |
| Teng Tools | No | 9110 | 9120 |
| Drive □ | inch | 1/2 | 1/2 |
| Capacity | mm | 130 | 120 |
| Pack. | qty | 12 | 12 |
| Spare strap/chain | 11231 | -0156 | -0255 |
| Teng Tools | No | 9110RK | 9120RK |
| Pack. | qty | 10 | 10 |

Oil Filter Wrenches

Teng Tools. Used for assembling and dismantling oil filters With rubber lined belt.



| | | |
|-------------------------|--------------|--------------|
| Art. no. | 11231 | -0305 |
| Teng Tools | No | 9123 |
| Length | mm | 230 |
| Span width max. | mm | 160 |
| Pack. | qty | 10 |
| Spare belt | 11231 | -0404 |
| Teng Tools | No | 9123RK |

Individual Drain Plugs

Teng Tools. Separate plug sockets with different shapes and sizes suitable for drain plugs in engines and gearboxes.



| | | | | |
|-----------------------------|-------------|--------------|--------------|--------------|
| Art. no. | 6257 | -1005 | -1104 | -1203 |
| Teng Tools | No | DP0810 | DP0812 | DP1012 |
| Drain plug socket dim. | | ⬡ 8x10 ⬡ | ⬡ 8x3/8 ⬡ | ⬡ 5/16x3/8 ⬡ |
| Pack. | qty | 10 | 10 | 10 |
| Art. no. | 6257 | -1302 | -1401 | -1500 |
| Teng Tools | No | DP1112 | DP1314 | DP1716 |
| Drain plug socket dim. | | ⬡ 11x12 ⬡ | ⬡ 13x14 ⬡ | ⬡ 17x1/2 ⬡ |
| Pack. | qty | 10 | 10 | 10 |

Rear Shok Absorber Adjuster Hook Tool

Teng Tools. Hook wrench specially designed for adjusting rear shock absorbers on motorbikes.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 13222 | -0104 |
| Teng Tools | No | HP301 |
| For diameters | mm | 65-70 |
| Pack. | qty | 10 |

Auto Tools

Flaring tool set



Teng Tools. Pipe/flange tool set containing 10 parts for copper brass and thin walled aluminium pipe. The pipe cutter cuts pipe up to 32 mm. The flange tool draws up pipe ends to 45° on pipe diameters 4-14 mm. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--|--------------|---------------------------|
| Art. no. | 14404 | -0102 |
| Teng Tools | No | TTTTF10 |
| Contents: | | |
| Pipe cutter, Capacity | mm | 3-32 |
| Flanging tool, 2 parts | mm | 3 4 5 6 8 10 |
| Flange adapters for pipe diameters | mm | 4, 4.75, 6, 8, 10, 12, 14 |
| Insert size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.7 |

Auto Body Hammer Set



Teng Tools. Tool set of 5 pieces for body work. Two polyurethane hammers and three different dressing hammers. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|--------------|
| Art. no. | 12244 | -0100 |
| Teng Tools | No | TTPSAD |
| Polyurethane hammer, head diameter | mm | 35, 55 |
| Dressing hammer with straight pen. | g | 325 |
| Dressing hammer with crowned face | g | 325 |
| Dressing hammer med round + sq. faces. | g | 325 |
| Case size LxWxH | mm | 570x262x56 |
| Weight | kg | 2.76 |

Crown Face Body Hammers



HMBH01



11790-0209



11790-0308

Teng Tools. For body work, etc. Hickory handle.

| | | | | |
|--|--------------|--------------------------|----------------------|-----------------|
| Art. no. | 11790 | -0100 | -0209 | -0308 |
| Teng Tools | No | HMBH01 | HMBH02 | HMBH03 |
| Type | | Round, flat head + point | Crowned head + point | Dressing hammer |
| Length | mm | 325 | 325 | 325 |
| Weight | g | 400 | 350 | 400 |
| Pack | qty | 6 | 6 | 6 |
| Separate wooden handle + handle wedge | 11790 | -1009 | -1009 | -1009 |
| Teng Tools | No | HMBHRK | HMBHRK | HMBHRK |
| Pack | qty | 10 | 10 | 10 |

Dead Blow Hammers



Teng Tools. The the head is filled with fine steel particles to prevent the hammer from bouncing back after striking. Black.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 11787 | -0105 | -0204 |
| Teng Tools | No | HMD35 | HMD55 |
| Head diameter | mm | 35 | 55 |
| Weight | g | 300 | 980 |
| Pack | qty | 6 | 6 |

Auto Tools Specialist Sockets



Teng Tools. Specialist automotive impact sockets.

| Art. no. | Teng Tools | Drive | Size | Length | Suitable for | Pack. |
|-------------------|------------|-------|---------|--------|-----------------------|-------|
| | No | □ | | mm | | qty |
| 11487-3003 | 920242-C | 1/2" | 1 5/16" | 78 | Wheel nuts | 10 |
| 11487-3102 | 920248-C | 1/2" | 1 1/2" | 78 | Ball joints | 10 |
| 10178-1706 | 920624-C | 1/2" | 24 mm | 78 | Oil-pressure switch | 10 |
| 10178-1805 | 920627-C | 1/2" | 27 mm | 78 | Diesel injectors | 10 |
| 10178-1904 | 920628-C | 1/2" | 28 mm | 78 | Diesel injectors | 10 |
| 10178-2001 | 920629-C | 1/2" | 29 mm | 78 | Thermostat switch | 10 |
| 10178-2100 | 920630-C | 1/2" | 30 mm | 78 | Hub nuts | 10 |
| 10178-2209 | 920632-C | 1/2" | 32 mm | 78 | Hub nuts/drive shafts | 10 |
| 10178-2308 | 920635-C | 1/2" | 35 mm | 78 | Hub nuts | 10 |
| 10178-2407 | 920636-C | 1/2" | 36 mm | 78 | Hub nuts | 10 |
| 11489-1005 | 940641 | 3/4" | 41 mm | 58 | Hub nuts | 1 |
| 11681-1308 | 120955 | 1/2" | TX 55 | 125 | Cylinder head bolts | 10 |
| 11681-1407 | 120970 | 1/2" | TX 70 | 100 | Cylinder head bolts | 10 |

Teng Tools. Set of 7 specialist sockets for applications in cars (oxygen sensor socket, injector socket, vaccum switch socket, oil sender socket, heated oxygen socket and offset oxygen sensor wrench).
Supplied in a plastic TC tray with removeable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|--------------------------------|--------------|-----------------------------|
| Art. no. | 14434 | |
| Teng Tools | No | -0106 |
| Number of sockets | qty | TTSS07 |
| Teng Tools socket number | | 7 |
| Case size LxWxH | mm | AT350, AT355, AT360, AT365, |
| Weight | kg | AT370, AT375, AT380 |
| | | 265x142x50 |
| | | 3.5 |



Teng Tools. Special sockets different automotive applications.

| Art. no. | Teng Tools | Size diameter | Size drive | Length | Intended for | Pack. |
|-------------------|------------|---------------|------------|--------|--------------------------------|-------|
| | No | | □ | mm | | qty |
| 12867-0106 | AT350 | 29 mm | 1/2" | 90.0 | Socket for lambda sond | 10 |
| 12867-0205 | AT355 | 22 mm | 3/8" | 90.0 | Socket for lambda sond | 10 |
| 12868-0105 | AT360 | 27 mm | 1/2" | 85.0 | Socket for fuel nozzle | 10 |
| 12869-0104 | AT365 | 7/8" | 3/8" | 80.0 | Socket for vacuum connector | 10 |
| 12870-0101 | AT370 | 1 1/16" | 3/8" | 74.0 | Socket for oil pressure sensor | 10 |
| 12871-0100 | AT375 | 7/8" | 1/2" | 50.0 | Lambda sond tool | 10 |
| 12872-0109 | AT380 | 7/8" | 3/8" | 30.0 | Lambda sond tool | 10 |

Auto Tools

Wheel Wrench



Teng Tools. With double ended impact socket. Extendable for better power when removing wheel nuts. Chrome vanadium steel.

| | | |
|---------------------------------|-------------|--------------|
| Art. no. | 7317 | -0102 |
| Teng Tools | No | 1202 |
| Drive □ | inch | 1/2 |
| Sizes | mm | 17 19 |
| Length retracted/extended | mm | 350/550 |
| Pack..... | qty | 10 |

Wheel Tool Set



Teng Tools. Five piece set consisting of three wheel nut sockets for domed cap nuts, tyre balancing weight pliers and a 1/2" torque wrench. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--|--------------|--------------|
| Art. no. | 12249 | -0105 |
| Teng Tools | No | TTXW05 |
| Wheel nut sockets 1/2"-drive | mm | 17 19 21 |
| Tyre balancing weight pliers, length | mm | 245 |
| Torque wrench 1/2"-drive | Nm | 40-210 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 3.0 |

Heavy Duty Nut Sert Tool Set



Teng Tools. Set for Blind nuts M 3, M 4, M 5 and M 6 as well as 20 Blind nuts of each size. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|----------------------------------|--------------|--------------------|
| Art. no. | 10619 | -0101 |
| Teng Tools | No | TTNR81 |
| With nose bush for POP-nut | thread | M 3, M 4, M 5, M 6 |
| Rivet sizes (20 of each) | thread | M 3, M 4, M 5, M 6 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |

Tyre Levers



Teng Tools. Medium carbon steel. HRC 40 ±2°.

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 15154 | -0101 | -0200 | -0309 | -0408 |
| Teng Tools | No | AT20512 | AT20516 | AT20520 | AT20524 |
| Length | mm | 304 | 406 | 508 | 609 |
| Weight | kg | 0.284 | 0.467 | 0.610 | 0.753 |
| Pack..... | qty | 10 | 10 | 5 | 5 |



Pry Bar Set

Teng Tools. Set of 3 roll bars. Equipped with through blade, striking head and ergonomically designed plastic handle.
Fits in Teng Tools tool boxes and tool trolleys.

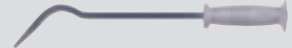


| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11786 | -0106 |
| Teng Tools | No | TTXPB3A |
| Lengths | mm | 300 450 550 |
| Case size | mm | 560x110x74 |
| Weight | kg | 1.8 |

Pry Bars



PB12A



11811-0204



11811-0303

Teng Tools. Heavy-duty prybar equipped with through blade, striking head. Ergonomically designed plastic handle.

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11811 | -0105 | -0204 | -0303 |
| Teng Tools | No | PB12A | PB18A | PB22A |
| Total length | mm | 300 | 450 | 550 |
| Pack | qty | 6 | 6 | 6 |

Roll/Heel Bars

Teng Tools. Set of 3 prybars. Round, ground point at one end - flat hook shaped prybar at the other.
Supplied in TTX tray suitable for Teng Tools tool boxes and tool trolleys.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10069 | -0106 |
| Teng Tools | No | TTXPB3 |
| Lengths | mm | 300 400 500 |
| Case size LxWxH | mm | 560x110x40 |
| Weight | kg | 1.75 |

Teng Tools. Round, ground point at one end - flat hook shaped prybar at the other.



| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 11698 | -0103 | -0202 | -0301 |
| Teng Tools | No | PB12 | PB16 | PB20 |
| Length | mm | 300 | 400 | 500 |
| Pack | qty | 10 | 10 | 10 |

2 in 1 Puller Set

Teng Tools. Set consisting of a three-legged combination puller with an extra yoke for switching to two-legged pulling. With reversible legs for internal and external grip. Manufactured of chrome vanadium steel.
Supplied in a plastic TC tray with removable cover. The case fits in Teng Tools tool boxes and tool trolleys.



| | | |
|------------------------------|-------------|--------------|
| Art. no. | 0398 | -0109 |
| Teng Tools | No | TT804 |
| Span width | mm | 130 |
| Clamping depth | mm | 100 |
| Reversible leg, length | mm | 138 |
| Spindle length | mm | 150 |
| Spindle opening | mm | 17 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.2 |

Gear Pullers



Teng Tools. Workshop rack for placement on a bench. The rack includes 5 pullers (one in each size). The pullers are adjustable for internal and external pulling.

| | | |
|------------------------|--------------|---|
| Art. no. | 14474 | -0107 |
| Teng Tools | No | DIS-SP05 |
| Includes pullers | No | SP1410, SP1810, SP2215, SP2615, SP3320 |



Teng Tools. The reliable model for fast removal of pulleys, wheels, ball bearings, etc. Strong drop forged design. Reversible hooks permit use as an internal puller. Available extras are replaceable hooks for various clamping reaches. Spindle may be exchanged for hydraulic pressure spindle.

| | | | | | | |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 14393 | -0105 | -0204 | -0303 | -0402 | -0501 |
| Teng Tools | No | SP1410 | SP1810 | SP2215 | SP2615 | SP3320 |
| Clamping width internal... | mm | 90 | 130 | 160 | 200 | 250 |
| Clamping width external... | mm | 140 | 180 | 220 | 260 | 330 |
| Max. reach | mm | 100 | 100 | 150 | 150 | 200 |
| Spindle thread | | M14x1.5 | M14x1.5 | M20x2 | M20x2 | M26x2 |
| Spindle length | mm | 140 | 140 | 210 | 210 | 280 |
| Spindle opening | mm | 17 | 17 | 22 | 22 | 27 |
| Claw depth | mm | 12 | 12 | 18 | 18 | 28 |
| Claw thickness | mm | 3.0 | 3.0 | 3.5 | 3.5 | 6.5 |
| Weight | kg | 1.1 | 1.3 | 3.2 | 3.6 | 7.8 |



Teng Tools. Three arm puller with special yoke for both 2 as well as 3-arm pulling.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 13191 | -0101 |
| Teng Tools | No | SP11 |
| Spread | mm | 76-102 |
| Max. reach | mm | 89 |
| Weight | kg | 1.2 |



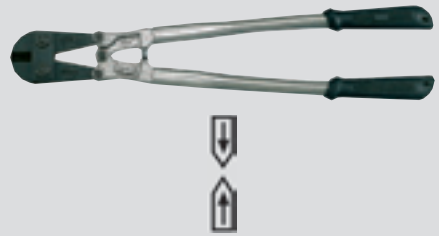
Teng Tools. Three arm puller with special yoke for both 2 as well as 3-arm pulling.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12842 | -0106 |
| Teng Tools | No | SP22 |
| Clamping depth | mm | 137 |
| Span width | mm | 78-178 |
| Spindle length | mm | 290 |
| Weight | kg | 2.7 |

Bolt Cutters

Teng Tools. Hardened central cutting edge (cutting angle 30°). Compound action. Equipped with centring screw that gives increased safety when cutting. Tubular handles with plastic grips.

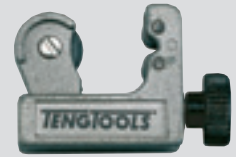
| Teng Tools | Length | Cutting capacity HRC 40. | Cutting capacity HRC 15. | Bolt cutters Art. no. | Complete edge Art. no. |
|------------|--------|--------------------------|--------------------------|-----------------------|------------------------|
| No | mm | mm | mm | | |
| BC414 | 379 | 3 | 6 | -0108 | -1007 |
| BC418 | 485 | 4 | 8 | -0207 | -1106 |
| BC424 | 652 | 5 | 10 | -0306 | -1205 |
| BC430 | 800 | 7 | 13 | -0405 | -1304 |
| BC436 | 958 | 8 | 16 | -0504 | -1403 |



Pipe Cutters

Teng Tools. For copper and brass pipes. One thin cutter wheel and two rollers. The tool has a constant length and is ideal for use in confined spaces.

| | | |
|-------------------------------|-------|----------|
| Art. no. | 10754 | -0106 |
| Teng Tools | No | TF22 |
| For pipe diameter | mm | 3-22 |
| Pack. | qty | 20 |
| Spare cutter wheels (2) | 10754 | -0205 |
| Teng Tools | No | TF2230RK |



Teng Tools. For copper and brass pipes. One thin cutter wheel and two rollers. Retractable reamer. Spare cutters (2), art. no. 10754-0205.

| | | |
|-------------------------|-------|-------|
| Art. no. | 10591 | -0103 |
| Teng Tools | No | TF30 |
| For pipe diameter | mm | 3-32 |
| Pack. | qty | 10 |



Stud and Nut Remover Set

Teng Tools. Set of 11 pieces containing 5 screw extractors, 4 stud bolt extractors as well as 2 nut splitters.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

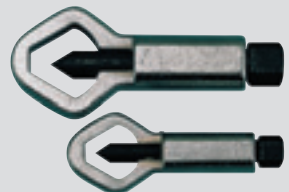
| | | |
|---------------------------|------|--------------------------|
| Art. no. | 6934 | -0107 |
| Teng Tools | No | TTSN11 |
| Contents: | | |
| Screw extractor | inch | 7/64 9/64 5/32 1/4 19/64 |
| Stud bolt extractor | mm | 6 8 10 12 |
| Nut splitter | mm | 5-20 14-27 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.3 |



Nut Splitter Set

Teng Tools. Set of two nut splitters. Easy splitting of nuts that have rusted fast without damaging the bolt or thread.

| | | |
|------------------|-------|-------------|
| Art. no. | 11695 | -0106 |
| Teng Tools | No | NS02 |
| Opening | mm | 5-20 14-27 |
| For nuts | M | 2.5-12 8-18 |
| Pack. | sts | 10 |



Tap and Die Rethreading Sets



Teng Tools. 17 piece set containing one tap and one die of each dimension as well as a tap wrench one diestock and a screw pitch gauge.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

Spare dies see 11683.

| | | |
|-----------------------|-------------|----------------------------------|
| Art. no. | 6919 | -0106 |
| Teng Tools | No | TTTTD17 |
| Sizes | | M 3 M 4 M 5 M 6 M 8 M 10 M 12 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.8 |



Teng Tools. 34 piece tap and die set. Containing 7 sizes taps and 7 sizes dies, pitch gauge, 7 drill bits, 5 screw extractors, one mini screwdriver, adaptor, mini palm ratchet, interchangeable die chuck and two tap chucks.

Supplied in TTD tray with removeable lid. Fit in Teng Tools tool boxes and roller cabinets.

| | | |
|---------------------------------|--------------|--|
| Art. no. | 16719 | -0107 |
| Teng Tools | No. | TTDTD34 |
| Number of parts | e.a. | 34 |
| Dies | M | 3x0.5, 4x0.7, 5x0.8, 6x1.0, 8x1.25, 10x1.5, 12x1.75 |
| Taps | M | 3, 4, 5, 6, 8, 10, 12 |
| Drill bits | mm | 2.5, 3.3, 4.2, 5.0, 6.8, 8.5, 10.5 |
| Screw extractors | inch | 1/8, 3/16, 15/64, 5/16, 3/8 |
| Mini screwdriver, hex. | mm | 2.5x40 |
| Reducing adaptor | inch | 3/8 - 1/4 |
| Mini palm ratchet | inch | 1/4 |
| Interchangeable die chuck | inch | 1/4 |
| Tap chucks 1/4-drive | | M3-M8, M5-M12 |
| Case size LxWxH | mm | 265x280x50 |
| Weight | kg | 1.6 |

Taps and dies

Teng Tools. Separate dies and taps, suitable as replacement parts for Teng Tools Tap and Die set TTTD17.



Die



Tap

| Art. no. | Product | Thread design- | Pitch ation mm | Pack. qty |
|-----------------|---------|----------------|----------------|-----------|
| 11683 | | | | |
| -0100 | Die | M 3 | 0.5 | 1 |
| -0209 | Die | M 4 | 0.7 | 1 |
| -0308 | Die | M 5 | 0.8 | 1 |
| -0407 | Die | M 6 | 1.0 | 1 |
| -0506 | Die | M 8 | 1.25 | 1 |
| -0605 | Die | M 10 | 1.5 | 1 |
| -0704 | Die | M 12 | 1.75 | 1 |
| -1009 | Tap | M 3 | 0.5 | 10 |
| -1108 | Tap | M 4 | 0.7 | 1 |
| -1207 | Tap | M 5 | 0.8 | 1 |
| -1306 | Tap | M 6 | 1.0 | 1 |
| -1405 | Tap | M 8 | 1.25 | 1 |
| -1504 | Tap | M 10 | 1.5 | 1 |
| -1603 | Tap | M 12 | 1.75 | 1 |

Individual Tap Handle



Teng Tools. Adjustable tap wrench used together with taps, reamers and screw extractors.

| | | |
|---------------------------|--------------|--------------|
| Art. no. | 11694 | -0107 |
| Teng Tools | No | TAP-HNDL |
| Max. square opening | mm | 3-12 |
| Pack. | qty | 30 |

Individual Die Handle



Teng Tools. Diestock for Teng Tools dies. With screw to secure the die.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14410 | -0104 |
| Teng Tools | No | DIE-HANDLE |
| For die | M | 3-12 |

Die chuck

Teng Tools. Interchangeable die chuck 1/4" □ drive .To be used (for instance) with mini palm ratchet 1400M. Suitable for Teng Tools dies 11683.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 16749 | -0101 |
| Teng Tools | No. | M140070 |
| Drive □ | inch | 1/4 |
| Length x diameter | mm | 70 x 30 |



Tap chucks

Teng Tools. Tap chucks for threading with taps. 1/4" □ drive to be used together with (for instance) mini palm ratchet 132009-0101. Hardness of the chucks HRC 38-42.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 16749 | -0200 | -0309 |
| Teng Tools | No. | M140071 | M140072 |
| Drive □ | inch | 1/4 | 1/4 |
| For taps | M | 3-8 | 5-12 |
| Chuck diameter | mm | 20 | 2525 |



Screw Extractor Set

Teng Tools. Set including 5 extractors with left-hand spiral. For extraction of broken screws and bolts. Supplied in plastic case.

| | | |
|----------------------------------|--------------|----------------------|
| Art. no. | 11693 | -0108 |
| Teng Tools | No. | SE05 |
| Number of screw extractors | ea. | 5 |
| For screw | | M 6 - M 20 |
| For drill bit | mm | 2.8 3.5 4.0 6.35 7.5 |
| Pack. | sts | 10 |



Teng Tools. 5 piece scsrew extractor set. For quidck and easy way to remove broken screws, pipes bolts and studs. Square shank. HRC 50-52.

| | | |
|-----------------------|--------------|---------------|
| Art. no. | 15145 | -0103 |
| Teng Tools | No. | SE05S |
| For drill holes | mm | 3, 4, 5, 7, 9 |
| Pack. | set | 5 |



Individual Screw Extractors

Teng Tools. Sepatate screw extractors. For quick and easy way to remove broken screws, pipes, bolts and studs. Square shank. Hardened to HRC 50-52.

| | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 15146 | -0102 | -0201 | -0300 | -0409 | -0508 |
| Teng Tools | No | SEL01S | SEL02S | SEL03S | SEL04S | SEL05S |
| For drill hole ... | mm | 3 (1/8") | 4 (3/16") | 5 (15/64") | 7 (9/16") | 9 (3/8") |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 |



Roller Type Stud Extractors



Teng Tools. Reversible. Hexagon drive end and int. 1/2" □-drive.

| | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 11696 | -0105 | -0204 | -0303 | -0402 |
| Teng Tools..... | No | ST120506-C | ST12508-C | ST12510-C | ST12512-C |
| For screw diameters..... | mm | 6 | 8 | 10 | 12 |
| Conn. drive □..... | inch | 1/2 | 1/2 | 1/2 | 1/2 |
| Pack..... | qty | 10 | 10 | 10 | 10 |
| Repair set | 11696 | -1004 | -1103 | -1202 | -1301 |
| Teng Tools..... | No | ST120506RK | ST12508RK | ST12510RK | ST12512RK |

Stud Extractor



Teng Tools. For inserting and extracting stud bolts. One eccentric journalled, knurled wheel grips against an internal fluting.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 11697 | -0104 |
| Teng Tools..... | No | 2300 |
| For screw diameters..... | mm | 6-19 |
| Int. □-drive..... | inch | 1/2 |

Changeable Ratchet Crimping Tool Set



Teng Tools. Set consists of a crimping tool with three exchangeable heads for insulated and non insulated terminals and a 2.5 mm hex key.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---------------------------------------|-----------------|--------------|
| Art. no. | 12247 | -0107 |
| Teng Tools..... | No | TTCP04 |
| Head for insulated terminals..... | mm ² | 0.324-5.261 |
| Head for non insulated terminals..... | mm ² | 0.324-3.31 |
| Head for insulated terminals..... | mm ² | 0.3-8 |
| Case size LxWxH..... | mm | 265x142x50 |
| Weight..... | kg | 0.8 |

Teng Tools. Three spare heads for crimp system pliers CP04.



| | | | | |
|----------------------------------|-----------------|--------------|--------------|--------------|
| Art. no. | 12247 | -0206 | -0305 | -0404 |
| Teng Tools..... | No | CP04RK1 | CP04RK2 | CP04RK3 |
| For insulated terminals..... | mm ² | 0.324-5.261 | - | 0.3-8 |
| For non insulated terminals..... | mm ² | - | 0.324-3.31 | - |
| Pack..... | sts | 10 | 10 | 10 |

Crimping Tool Set



Teng Tools. Set consisting of crimping tool CP50 with slots for crimping red, blue and yellow terminals and cutters for bolts and wire. Also included in the assortment are 120 terminals of varying types coloured red and blue.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|------------------------------|--------------|--------------|
| Art. no. | 11038 | -0102 |
| Teng Tools..... | No | TTCP121 |
| Contains: crimping tool..... | quantity | 1 |
| terminals assorted..... | quantity | 120 |
| Insert size..... | mm | 265x142x50 |
| Weight..... | kg | 0.6 |

Crimping and Wire Stripping Tools



Teng Tools. Automatic lock mechanism ensures that crimping is finished correctly. For insulated and non insulated terminations and for roll crimping. Stripping of conductors 0.75-6 mm².

| | | |
|--|-----------------|--------------|
| Art. no. | 12839 | -0101 |
| Teng Tools..... | No | CP52 |
| Total length..... | mm | 225 |
| For insulated terminals..... | mm ² | 1.5-6 |
| For non insulated terminals..... | mm ² | 1.5-2.5 |
| Stripping edge for conductor area..... | mm ² | 0.75-6 |
| Cutting edge for bolts..... | M | 2-5 |
| Pack..... | qty | 5 |

Crimping and Wire Stripping Tools

Teng Tools. For crimping terminals and splices without soldering. With shears for cutting bolts without damaging the threads. Special edges for cutting the conductor wire. Special stripping edges. Colour coded crimping slots for crimping terminals by the conductor wire. Plastic covered handles.

No CP50. Crimps insulated and non insulated terminals.
No CP51. Crimps insulated splices and roll crimping.



| Art. no. | 5834 | -0209 | -0308 |
|-----------------------------------|-----------------|----------------------|----------------------|
| Teng Tools | No | CP50 | CP51 |
| Total length | mm | 225 | 225 |
| For insulated terminals | mm ² | 0.75-6 | 0.75-6 |
| For non insulated terminals | mm ² | 1.5-6 | 0.5-2.5 |
| Shears for cutting bolts | M | 2.5 3 3.5 4 5 | 2.5 3 3.5 4 5 |
| Stripping edge for conductor area | mm ² | 0.75 1.0 1.5 2.5 4 6 | 0.75 1.0 1.5 2.5 4 6 |
| Pack. | qty | 10 | 10 |

Auto Electricians Circuit Tester

Teng Tools. For light testing on cars. Of brass Well protected bulb. Needle point for inserting in insulation. With protective sleeve, cable and clip. Nickel-plated.



| Art. no. | 2646 | -0105 |
|----------------------|------|-------|
| Teng Tools | No | 9850 |
| For voltage | V | 6-24 |
| Needle point, length | mm | 10 |
| Total length | mm | 120 |
| Cable length | mm | 520 |
| Pack. | qty | 20 |

Magnetic Tools

Welding Magnets

Teng Tools. Magnetic block for holding plate and pipes etc. for welding and mounting work at 90° or 45° angles. Intended for both flat and round workpieces.

| Art. no. | 3730 | -0100 | -0209 |
|---------------|-----------|-------|-------|
| Teng Tools | No | MH75 | MH90 |
| Max width | mm | 120 | 160 |
| Height | mm | 82 | 100 |
| Magnetic pull | approx. N | 27 | 27 |
| Weight | g | 300 | 700 |
| Pack. | qty | 12 | 12 |



Magnetic Bits Tray

Teng Tools. Stainless steel tray with plastic enclosed magnet which does not damage the car paintwork. For screws, nuts and washers, etc. Can be secured on its side as well as upside down. Ideal for working under cars, etc.

| Art. no. | 1561 | -0108 |
|------------------|------|-------|
| Teng Tools | No | 580 |
| Diameter of tray | mm | 150 |



Deep Magnetic Tray

Teng Tools. Large stainless magnetic bowl with two magnets inset in plastic that will not damage the car paintwork. For screws, nuts and washers, etc. and even larger parts. Can be secured on its side as well as upside down. Ideal for working under cars, etc.

| Art. no. | 11847 | -0103 |
|------------|-------|------------|
| Teng Tools | No | 580A |
| Size LxWxH | mm | 320x150x70 |



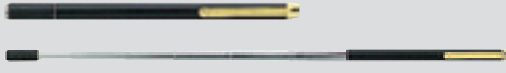
Magnetic Tools

3 in 1 Inspection Tools



Teng Tools. Telescopic inspection mirror with powerful magnet and scriber. With pocket clip.

| | | |
|-----------------------------|-------------|--------------|
| Art. no. | 3568 | -0107 |
| Teng Tools | No | 5820MI |
| Length fully extended | mm | 570 |
| Mirror diameter | mm | 32 |
| Diameter of magnet | mm | 6 |
| Pack. | qty | 20 |



Telescopic Magpen

Teng Tools. Combined magnetic pick up and pen. Unscrewing the magnet allows the magnetic pick up to be used as pen. Handle with 5 extending parts. The magnet picks up magnetic components in areas difficult to access. With pocket-clip.

| | | |
|-----------------------------|-------------|--------------|
| Art. no. | 0420 | -0101 |
| Teng Tools | No | 5850MP |
| Length retracted | mm | 135 |
| Length fully extended | mm | 540 |
| Diameter of magnet | mm | 6 |
| Pack. | qty | 50 |

Inspection Tool Set



Teng Tools. Containing three telescopic tools - an inspection mirror, magnifying glass and magnet. All with pocket clip. Supplied in a plastic insert case with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|--------------|
| Art. no. | 10946 | -0105 |
| Teng Tools | No | TTTTM03 |
| Diameter of mirror/magnifying glass | mm | 55 |
| Extendable length | mm | 590 |
| Diameter of magnet | mm | 12 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.5 |

Pick up Tool Set with lamp



Teng Tools. Set containing flexible and telescopic pick ups, magnifying glass, inspection mirror, flexible claw pick up, LED flash light and batteries. Supplied in plastic TC tray with removable cover. Fit in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14437 | -0103 |
| Teng Tools | No | TTTTM08 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.1 |

Magnetic Tools

Telescopic Magnifying Glass

Teng Tools. Telescopic magnifying glass with swivel head and pocket-clip.

| | | |
|---------------------------------|--------------|--------------|
| Art. no. | 11227 | -0103 |
| Teng Tools | No | 581TMG |
| Magnifying glass diameter | mm | 55 |
| Length, fully extended | mm | 850 |
| Pack | qty | 20 |



Telescopic Mirror

Teng Tools. Telescopic inspection mirror with swivel head and pocket-clip.

| | | |
|------------------------------|--------------|--------------|
| Art. no. | 11228 | -0102 |
| Teng Tools | No | 581TMI |
| Mirror diameter | mm | 57 |
| Length, fully extended | mm | 850 |
| Pack | qty | 20 |



Telescopic Magnetic Pick Ups

Teng Tools. Telescopic magnetic pick-up with pocket-clip. The magnet picks up magnetic components in areas difficult to access.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 11229 | -0101 |
| Teng Tools | No | 581TMP |
| Diameter of magnet | mm | 12 |
| Length fully extended | mm | 850 |
| Pack | qty | 20 |



Teng Tools. Telescopic magnetic pick-up with powerful magnet, picks up magnetic components in inaccessible areas. With plastic handle.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 11679 | -0106 |
| Teng Tools | No | SD501 |
| Diameter of magnet | mm | 7 |
| Length retracted | mm | 160 |
| Length fully extended | mm | 550 |
| Pack | qty | 50 |



Magnetic Charger

Teng Tools. Used to magnetise screwdriver tips for holding screws, or to demagnetise tools where a magnetic force can be a hinder.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 6060 | -0103 |
| Teng Tools | No | MR500 |
| Size | mm | 60x30x20 |
| Pack | qty | 20 |



Magnetic Tool Holder

Teng Tools. Panel with six permanent magnets. Each magnet holds 450 grams. Suitable for wall-mounting and for Teng Tools toolboxes and trollies.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 0345 | -0202 |
| Teng Tools | No | TC-MAG |
| Size | mm | 457x52 |
| Pack | qty | 12 |



Magnetic Tools

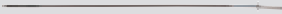
Flexible Light



Teng Tools. Flexible, adjustable light for use in confined areas. With magnet. Supplied without batteries. Suitable batteries 2 x R6.

| | | |
|-------------------------|-------------|--------------|
| Art. no. | 6906 | -0101 |
| Teng Tools | No | 586 |
| Total length | mm | 595 |
| Flexible length | mm | 400 |
| Max. magnet force | g | 750 |
| Pack..... | qty | 12 |

Claw Pick Up Tool



Teng Tools. Consists of a flexible wire with non-magnetic gripper - adjustable from the spring handle. For holding and picking up small objects such as screws and nuts in difficult to access areas.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 11776 | -0108 |
| Teng Tools | No | AT135 |
| No. of grip claws | | 4 |
| Total length | mm | 600 |
| Pack..... | qty | 12 |

LED Torches



Teng Tools. LED torch with white light. Brass body, satin finish. Lamp give 80,000 hours of life. For 2 batteries type AAA.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 14433 | -0107 |
| Teng Tools | No | 584 |
| Length..... | mm | 130 |
| Pack..... | qty | 10 |



Teng Tools. LED-flashlight with non slip rubber handle, click swich on/off, waterproof and insulated with 80.000 hour life LED bulb. Suitable batteries 2 pcs type AA.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 13239 | -0105 |
| Teng Tools | No | 585 |
| Pack..... | qty | 10 |

4 in 1 Hook and Pick Set



Teng Tools. Set consisting of 125 mm long aluminium handle with magnet and four different hooks with knurled shaft. The hooks are fitted on the aluminium handle when assembling and dismantling O-rings, gaskets and springs.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 4002 | -0109 |
| Teng Tools | No | AT149 |
| Pack..... | qty | 5 |

Scraper and Remover Set

Teng Tools. Set of 4 parts including a gasket scrape, two hooks and a piercer. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11769 | -0107 |
| Teng Tools | No | TTSR04 |
| Case size LxWxH | mm | 265x142x50 |
| Weight..... | kg | 0.43 |



Teng Tools. Separate parts included in set TTSR04.

| | | | | |
|-----------------------|-------------------|-------------------|------------------|------------------|
| Art. no. | 11769-0206 | 11769-0305 | 6309-0104 | 0313-0101 |
| Teng Tools | No | MDH-L | MDH-R | MD-SCR |
| Product..... | Dismantling. hook | Dismantling hook | Piercer | Gasket scraper |
| Pack..... | 10 | 10 | 10 | 10 |

Clamps



Teng Tools. Shaped bar. Ball-jointed shoe. With flexible two component handle for best grip when tightening and releasing.

| | | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 12837 | -0103 | -0202 | -0301 | -0509 | -0400 |
| Teng Tools | No | CMF16T | CMF20T | CMF25T | CMF35T | CMF30T |
| Span width | mm | 160 | 200 | 250 | 300 | 300 |
| Throat depth | mm | 80 | 100 | 120 | 100 | 140 |
| Bar dim..... | mm | 16.5x7.5 | 19.5x9.5 | 22x10.5 | 19.5x9.5 | 25x12 |
| Max clamping force (for clamping width 150 mm) | Nm | 2500 | 4000 | 5500 | 4000 | 6500 |
| Pack..... | qty | 5 | 5 | 3 | 5 | 3 |



Teng Tools. Shaped steel bar. Pivoted shoe. Galvanized with T-handle.

| | | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 12836 | -0104 | -0203 | -0302 | -0500 | -0401 |
| Teng Tools | No | CMF16 | CMF20 | CMF25 | CMF35 | CMF30 |
| Span width | mm | 160 | 200 | 250 | 300 | 300 |
| Throat depth | mm | 80 | 100 | 120 | 100 | 140 |
| Bar dim..... | mm | 16.5x7.5 | 19.5x9.5 | 22x10.5 | 25x12 | 25x12 |
| Max clamping force (for clamping width 150 mm) | Nm | 2500 | 4000 | 5500 | 7500 | 6500 |
| Pack..... | qty | 5 | 5 | 3 | 1 | 3 |

- Designed and manufactured from high tensile steel and in accordance with DIN, and ANSI standards for professional automotive and industrial applications.
- Central fastening for locking when not in use.
- Double, over wound, high torsional strength spring designed for frequent use.
- Soft two component handles with non slip design for more comfortable use with a secure grip.
- Serrated cutting edges manufactured from chrome molybdenum alloy steel for stable cutting with minimal slippage.
- Induction hardened cutting edges (60-62HRC) cut up to 1.5mm cold rolled steel or 0.9mm stainless steel.
- Hanging hole incorporated in to the handle for convenient storage.
- Available in straight, straight/right or straight/left with two models for different styles of cutting.
- Available individually but also as a set using the Teng Tools double TC tray.



Tin Snips



Tin snips

A range of high quality tin snips with a choice of styles to suit different applications that in independent tests outperformed all other brands.

Cutting Tools

Cutting Tool Set



Teng Tools. Set of 5 pieces. Containing two pairs of tin snips, universal knife, snips and cable pliers.
Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 14402 | -0104 |
| Teng Tools | No | TTDCT05 |
| Contents: | | |
| Tin snips straight/right | No | 491 |
| Tin snips straight/left | No | 492 |
| Universal knife | No | 701N |
| Electrician's snips | No | 497 |
| Cable pliers | No | 496 |
| Case size LxWxH | mm | 265x280x50 |
| Weight | mm | 2.06 |



7416-0201

Tin Snips

Teng Tools. Made of drop forged chrome-moly steel. Hardened to HRC 60-62. Compound action. Handles of pressed sheet metal. Two component handle with hanging hole. With return spring and locking lever.

| | | | | |
|----------------------------------|-------------|--------------|----------------|---------------|
| Art. no. | 7416 | -0052 | -0102 | -0201 |
| Teng Tools | No | 490 | 491 | 492 |
| Design | | Straight | Straight/Right | Straight/Left |
| Cuts sheet metal | mm | 1.5 | 1.5 | 1.5 |
| Cuts stainless sheet metal | mm | 0.9 | 0.9 | 0.9 |
| Length | mm | 250 | 250 | 250 |
| Pack | qty | 6 | 6 | 6 |



Teng Tools. Made of drop forged chrome-moly steel. Hardened to HRC 60-62. Compound action. Angle between the cutters and handles means the hands are kept above the material. Two component handle with hanging hole. With return spring and locking lever.

| | | | |
|----------------------------------|-------------|--------------|--------------|
| Art. no. | 7416 | -0300 | -0409 |
| Teng Tools | No | 493 | 494 |
| Design | | Right | Left |
| Length | mm | 250 | 250 |
| Cuts sheet metal | mm | 1.5 | 1.5 |
| Cuts stainless sheet metal | mm | 0.9 | 0.9 |
| Pack | qty | 6 | 6 |



Teng Tools. With extra long introduction hardened cutting edges. HRC60-62. Spring loaded high leverage handles, safety lock, hanging hole and soft two component handle for comfortable cutting.

| | | |
|-----------------------------------|--------------|--------------|
| Art. no. | 16039 | -0100 |
| Teng Tools | No | 495 |
| Type | | off set |
| Capacity in rolled steel | mm | 0.94 |
| Capacity in stainless steel | mm | 0.53 |
| Length | mm | 290 |
| Pack | qty | 6 |

Cutting Tools

Utility knives

Teng Tools. Made of aluminium. Retractable knife blade. Supplied with two blades.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 10586 | -0100 |
| Teng Tools..... | No | 710 |
| Total length..... | mm | 160 |
| Pack..... | qty | 10 |
| 5 spare blades | 10586 | -0209 |
| Teng Tools..... | No | 710-5 |
| Pack..... | set | 20 |



Teng Tools. Sturdy universal knife with retractable knife blade. Soft, grip friendly rubber sides. Supplied with two blades.

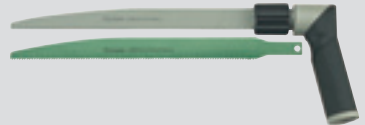
| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11826 | -0108 |
| Teng Tools..... | No | 710N |
| Total length..... | mm | 180 |
| Pack..... | qty | 6 |



Gun saw

Teng Tools. With replacable blade for wood and metal. The blade can be locked in 4 different positions - locked with a chuck. Supplied complete with two saw blades - one for wood and one for metal.

| | | | |
|------------------------|-------------|--------------|--------------|
| Art. no. | 2009 | -0106 | |
| Teng Tools..... | No | 703 | |
| Overall length..... | mm | 330 | |
| Quantity..... | f | 6 | |
| Saw blade | 2009 | -0205 | -0304 |
| Teng Tools..... | No | 703-10 | 703-24 |
| For..... | | wood | metal |
| No. of teeth..... | per inch | 10 | 24 |



Hack saw holder

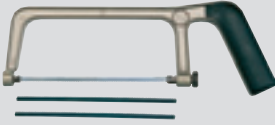
Teng Tools. For whole or broken hacksaw blades. Metal frame and plastic handle. The handle can also be used as a compass saw. Supplied with one hacksaw blade.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11825 | -0109 |
| Teng Tools..... | No | 704 |
| Length..... | mm | 205 |
| Depth of frame..... | mm | 20 |
| Pack..... | qty | 12 |



Cutting Tools

Mini hacksaw



Teng Tools. Junior hacksaw for working in wood, metal, plastic etc. The blade can be locked in six different positions. Supplied with three spare blades.

| | | |
|-----------------------------|-------------|--------------|
| Art. no. | 6936 | -0105 |
| Teng Tools..... | No | 705 |
| Blade length..... | mm | 150 |
| Frame depth..... | mm | 50 |
| Pack..... | qty | 12 |
| 5 spare blades | 6936 | -0204 |
| Teng Tools..... | No | 705-5 |
| Pack..... | set | 20 |

The Cutting Edge



Teng Tools. Set including hacksaw frame 701, universal saw 705 (for cutting wood, metal and plastic) and universal knife 701.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 11685 | -0108 |
| Teng Tools..... | No | 700-PRO5 |
| Contents: | | |
| Hacksaw frame..... | No | 701 |
| Universal saw..... | No | 705 |
| Universal knife..... | No | 710 |
| Pack..... | set | 5 |

Hacksaw frame



Teng Tools. Steel frame that doubles as a blade store. Grip friendly aluminium handle. Two blade locking positions. Can also be used as a keyhole saw as the whole or broken blades can be locked in the top, front of the frame. Supplied with one hacksaw blade.

| | | |
|-----------------------------|-------------|--------------|
| Art. no. | 7435 | -0109 |
| Teng Tools..... | No | 701 |
| For hacksaw blades..... | mm | 300 |
| Total frame length..... | mm | 390 |
| Frame material dim..... | mm | 25x12 |
| Pack..... | qty | 10 |
| 2 spare blades | 7435 | -0208 |
| Teng Tools..... | No | 702 |
| No. of teeth..... | per inch | 24 |
| Pack..... | set | 50 |

Drill bit sets

Teng Tools. Set of 28 drills 1.0-13.0 mm. Helix pitch 28°. Point angle 118°. Centre point for improved position accuracy. HSS. Polished. Ground. Standard drills for drilling steel and cast iron. DIN 338.

Contains:

3 each of 1.0 and 1.5 mm.

2 each of 2.0 and 2.5 mm.

1 each of 3, 3.5, 4, 4.5, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 10, 11, 12, 13 mm.

Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 15144 | -0104 |
| Teng Tools | No | TTDB28 |
| Drill bit diameter (28 pc) | mm | 1.0-13.0 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.624 |

Teng Tools. Drill bit sets in plastic boxes. Spiral angle 28°. Point angle 118°. Split point for better positional accuracy. HSS. Ground from solid, bright finish. Standard drill bits for use in steel and cast iron. DIN 338.

15162-0101. Containing: 1.0x4 pc, 1.5x3 pc, 2.0x2 pc. One on each: 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 3.3, 4.2 och 6.8 mm.

15162-0200. Containing: 1.0x 4 pc, 1.5x3 pc, 2.0x2 pc. One of each: 2.5, 3.0, 3.5, 4.0, 4.5, 5.0, 5.5, 6.0, 6.5, 7.0, 7.5, 8.0, 8.5, 9.0, 9.5, 10.0, 10.5, 11.0, 11.5, 12.0, 12.5, 13.0, 3.3, 4.2, 6.8 mm.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 15162 | -0101 | -0200 |
| Teng Tools | No | DB028 | DB034 |
| Drill diameters | mm | 1.0-10.0 | 1.0-13.0 |
| No. of drills | e.a. | 28 | 34 |
| Pack | sts | 20 | 5 |



Teng Tools

Drill bits

Teng Tools. Spiral angle - 28°. Point angle 118°. Split point for better positional accuracy. HSS. Ground from solid. Bright finish. Standard bits for use in steel and cast iron. DIN 338.

| | | | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. 10 pcs . | 15166 | -0107 | -0206 | -0305 | -0404 | -0503 | -0602 |
| Teng Tools | No | DBX010 | DBX015 | DBX020 | DBX025 | DBX030 | DBX033 |
| Diameter | mm | 1.0 | 1.5 | 2.0 | 2.5 | 3.0 | 3.3 |
| Overall length .. | mm | 34 | 40 | 49 | 57 | 61 | 65 |
| Flute length | mm | 12 | 18 | 18 | 30 | 33 | 36 |
| Art. no. 10 pcs . | 15166 | -0701 | -0800 | -0909 | -1006 | -1105 | -1204 |
| Teng Tools | No | DBX035 | DBX040 | DBX042 | DBX045 | DBX050 | DBX055 |
| Diameter | mm | 3.5 | 4.0 | 4.2 | 4.5 | 5.0 | 5.5 |
| Overall length .. | mm | 70 | 75 | 75 | 80 | 86 | 93 |
| Flute length | mm | 39 | 43 | 43 | 47 | 52 | 57 |
| Art. no. 10 pcs . | 15166 | -1303 | -1402 | -1501 | -1600 | -1709 | |
| Teng Tools | No | DBX060 | DBX065 | DBX068 | DBX070 | DBX075 | |
| Diameter | mm | 6.0 | 6.5 | 6.8 | 7.0 | 7.5 | |
| Overall length .. | mm | 93 | 101 | 109 | 109 | 109 | |
| Flute length | mm | 57 | 43 | 69 | 69 | 69 | |
| Art. no. 5 pcs . | 15166 | -1808 | -1907 | -2004 | -2103 | -2202 | -2301 |
| Teng Tools | No | DBX080 | DBX085 | DBX090 | DBX095 | DBX100 | DBX105 |
| Diameter | mm | 8.0 | 8.5 | 9.0 | 9.5 | 10.0 | 10.5 |
| Overall length .. | mm | 117 | 117 | 125 | 125 | 133 | 133 |
| Flute length | mm | 75 | 75 | 81 | 81 | 87 | 87 |
| Art. no. 5 pcs . | 15166 | -2400 | -2509 | -2608 | -2707 | -2806 | |
| Teng Tools | No | DBX110 | DBX115 | DBX120 | DBX125 | DBX130 | |
| Diameter | mm | 11.0 | 11.5 | 12.0 | 12.5 | 13.0 | |
| Overall length .. | mm | 142 | 142 | 151 | 151 | 151 | |
| Flute length | mm | 94 | 94 | 101 | 101 | 101 | |





Files

Teng Tools. Set of 5 handled medium heavy 10" hand files - flat, hand file, half round, round and three square file. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12844 | -0104 |
| Teng Tools | No | TTXF05 |
| No. of files | ea. | 5 |
| File length | mm | 250 |
| Case size LxWxH | mm | 560x110x74 |
| Weight | kg | 1.0 |



Teng Tools. Rack with 5 handled 10" hand files. Supplied on wall rack.

| | | |
|--|--------------|--------------|
| Art. no. | 12866 | -0107 |
| Teng Tools | No | WRFLO5 |
| Contents: | | |
| Flat file FLFT10, length | mm | 250 |
| Flat file FLHF10, length | mm | 250 |
| Half-round file FLHR10, length | mm | 250 |
| Round file FLRD10, length | mm | 250 |
| Three square file FLTR10, length | mm | 250 |
| Pack. | set | 5 |



Teng Tools. Set of 12 different needle files - flat, half round, three square, square, round, warding, knife, barette, hand, oval, spring and double half round shape. Fine. Supplied in plastic insert tray. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 12843 | -0105 |
| Teng Tools | No | TTNF12 |
| No of needle files | ea. | 12 |
| Length | mm | 163 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.47 |

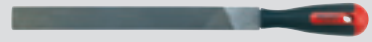


Teng Tools. Separata nålfilar i olika form. För fina filningsarbeten.

| | | | | | |
|--------------------|--------------|--------------|-----------------|--------------|--------------|
| Artnr | 12843 | -1004 | -1103 | -1202 | -1301 |
| Teng Tools | Nr | TTNF12-06 | TTNF12-04 | TTNF12-02 | TTNF12-01 |
| Typ | | flat | fyrkant | halvrund | ansats |
| Längd | mm | 160 | 160 | 160 | 160 |
| Artnr | 12843 | -1400 | -1509 | -1608 | -1707 |
| Teng Tools | Nr | TTNF12-03 | TTNF12-07 | TTNF12-08 | TTNF12-10 |
| Typ | | trekant | kniv | barett | oval |
| Längd | mm | 160 | 160 | 160 | 160 |
| Artnr | 12843 | -1806 | -1905 | -2002 | -2101 |
| Teng Tools | Nr | TTNF12-11 | TTNF12-12 | TTNF12-09 | TTNF12-05 |
| Typ | | fjäder | kanthuggen flat | rym | rund |
| Längd | mm | 160 | 160 | 160 | 160 |

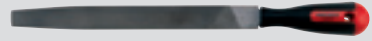
Files

Teng Tools. Handled. Medium coarse. Double cut on both sides - single cut on the edges. Working area as a flat file but with greater accessibility on account of the tapered shape.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12840 | -0108 |
| Teng Tools | No | FLFT10 |
| Length | inch | 10 |
| Length | mm | 250 |
| Dimensions | mm | 24.5x6.35 |
| Pack | qty | 20 |

Teng Tools. Handled. All round engineering file. For filing flat as well as sharp corners or shoulders. Medium coarse - double cut on both sides. Parallel thickness and width.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12849 | -0109 |
| Teng Tools | No | FLHF10 |
| Length | inch | 10 |
| Length | mm | 250 |
| Dimensions | mm | 24.5x6.15 |
| Pack | set | 20 |

Teng Tools. Handled. Medium coarse. Hewing all round. For processing concave and flat surfaces as well as large holes.



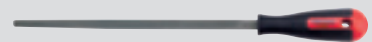
| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12852 | -0103 |
| Teng Tools | No | FLHR10 |
| Length | inch | 10 |
| Length | mm | 250 |
| Dimensions | mm | 24.5x8 |
| Pack | qty | 20 |

Teng Tools. Handled. Double cut - medium coarse. For processing round and concave surfaces.



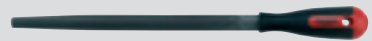
| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12853 | -0102 |
| Teng Tools | No | FLRD10 |
| Length | inch | 10 |
| Length | mm | 250 |
| Diameter | mm | 10.2 |
| Pack | qty | 20 |

Teng Tools. Handled. Double cut - medium coarse. All four edges cut. Used for filing slots, rectangular holes and inside corners as well as for tool adjustment.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12854 | -0101 |
| Teng Tools | No | FLSQ10 |
| Length | inch | 10 |
| Length | mm | 250 |
| Dimensions | mm | 9 |
| Pack | set | 10 |

Teng Tools. Handled. Medium coarse. Double cut sides - uncut edge top. Intended for processing internal corners, angles and slots, etc. Also suitable for face filing.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12855 | -0100 |
| Teng Tools | No | FLTR10 |
| Length | inch | 10 |
| Length | mm | 250 |
| Dimensions | mm | 15.6 |
| Pack | set | 20 |

Teng Tools. Short. Uniform width, with uncut edges. Double cut. For polishing contacts and contact breakers.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12841 | -0107 |
| Teng Tools | No | FLIP05 |
| Length | mm | 110 |
| Dimensions | mm | 6.35x1 |
| Pack | qty | 50 |

Riveting Tools



Hand rivet guns

- Heavy duty steel plate for regular applications or combined aluminium and forged steel upper and lower handles to maximise performance in more heavy duty environments.
- Special fulcrum pins with anti rotation design to eliminate wear in the aluminium body on the combined material models.

Lazy tongue rivet guns

- High strength aluminium body
- High strength steel lattice with advanced quadruple levers to reduce hand power and maximise output.
- High grade alloy steel jaws and jaw case precision manufactured for durability.
- Forged alloy steel pins bolts for durability.
- 3 jaw system for extra power and easier rivet loading and ejection.



Riveting tools

A comprehensive range of hand riveting tools for use with blind rivets and nutserts including hand models, lazy tongue and long handle models. Jaws can be quickly removed for cleaning or changing between rivet sizes.

Long handle rivet guns

- High strength aluminium body.
- High torsion strength spring balance movement so that exerting pressure on one handle only still operates the rivet gun allowing the other handle to be used as a holding piece. Also allows the rivet to be securely held in the nozzle while operating in a vertical downward position.
- Spent mandrels collected in a container to protect the operator and to keep the working environment clean.
- High grade alloy steel jaws and jaw case precision manufactured for durability.
- Forged alloy steel pins bolts for durability.
- 3 jaw system for extra power and easier rivet loading and ejection.
- Long stroke action maximises efficiency and allows fast action.

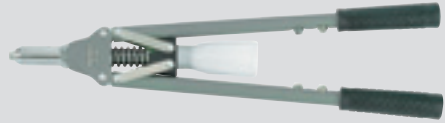


Nutsert range

- Aluminium alloy with forged steel upper handle hand nutsert gun with quick change, lockable and threaded mandrels (M3 to M6) manufactured in high grade steel alloy. Available individually or as a set using the Teng Tools TC tray system.
- Heavy duty long handle nutsert gun with M5 to 10 mandrels included. A draw rod compound action with two handles gives quick loading and unloading.

Heavy Duty Rivet Guns

Teng Tools. For professional use in construction and industrial applications. Two-hand grip gives large riveting capacity. 3 jaws, giving a better grip and release of the nail. With collector for the mandrels, 5 nose bushes (for rivet dim. 3.2, 4.0, 4.8, 6.0, 6.4 mm) and plastic covered handles.



| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 11691 | -0100 |
| Teng Tools | No | HRLR01 |
| Max. rivet dim. al-rivet | mm | 6.4 |
| steel | mm | 6.4 |
| stainless | mm | 6.4 |
| Length | mm | 535 |
| Weight | kg | 1.7 |
| Nozzle set (5) | 11308 | -0204 |
| Teng Tools | No | HRLR01RK-2 |
| Spare part set. | 11308 | -0402 |
| Teng Tools | No | HRLT01RK |
| Spare part set Olmo | 11308 | -0303 |
| Teng Tools | No | HRLT01RK-S |

Heavy Duty Riveting Tool

Teng Tools. Set containing one rivet gun with four nose bushes as well as 80 assorted rivets (20 each of 2.4, 3.2, 4.0 and 4.8 mm). Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|------------------------|-------------|-----------------|
| Art. no. | 6921 | -0102 |
| Teng Tools | No | TTHR81 |
| With nose bushes | mm | 2.4 3.2 4.0 4.8 |
| Quantity rivets | | 80 |
| Length of gun | mm | 250 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 0.95 |

Nut Rivet Guns

Teng Tools. Set for Blind nuts M 3, M 4, M 5 and M 6 as well as 20 Blind nuts of each size. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|----------------------------------|--------------|--------------------|
| Art. no. | 10619 | -0101 |
| Teng Tools | No | TTNR81 |
| With nose bush for POP-nut | thread | M 3, M 4, M 5, M 6 |
| Rivet sizes (20 of each) | thread | M 3, M 4, M 5, M 6 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.0 |

Teng Tools. For use in construction and industrial applications Fitted with drawing punches and nose bushes for four different blind rivet nuts. Plastic covered handles.



| | | |
|---|--------------|--------------------|
| Art. no. | 11692 | -0109 |
| Teng Tools | No | HN02 |
| With nose bushes for blind rivet nuts | thread | M 3, M 4, M 5, M 6 |
| Length | mm | 250 |
| Weight | kg | 0.6 |
| Pack | qty | 10 |
| Repairkit. | 11692 | -1404 |
| Teng Tools | No | HN02RK |
| Spare mandrels. | 11692 | -1008 |
| Teng Tools | No | HN02-04M305 |
| For nutsert | | M3x0.5 |
| Spare mandrels. | 11692 | -1107 |
| Teng Tools | No | HN02-04M407 |
| For nutsert | | M4x0.7 |
| Spare mandrels. | 11692 | -1206 |
| Teng Tools | No | HN02-04M508 |
| For nutsert | | M5x0.8 |
| Spare mandrels. | 11692 | -1305 |
| Teng Tools | No | HN02-04M610 |
| For nutsert | | M6x1.0 |



Nut Rivet Guns

Teng Tools. For professional use in construction and industrial applications. Two-hand grip gives large riveting capacity. Draw-rod with compound action for quick loading and unloading. Mandrel for M5, M6, M8 and M10 included. Plastic covered handles. Supplied in metal case.

| | | |
|---|--------------|----------------|
| Art. no. | 15149 | -0109 |
| Teng Tools | No | HRLN65N |
| Mandrel for threads | | M5, M6, M8 M10 |
| Length | mm | 530 |
| Weight | kg | 1.8 |
| Mandrel set M5, M6, M8, M10. | 11315 | -0205 |

Measuring Tools

Measuring Tapes



Teng Tools. Yellow tape. Plastic case with flat underside for internal measuring. Self-retracting tape, with lock, self-aligning end hook. Belt clip. Graduated on one side. Scale: Metric/Imperial.

Scale zero point according to alt. IV

Graduation tolerance according to precision standard EU II

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 10585 | -0101 | -0200 | -0309 |
| Teng Tools | No | MT03 | MT05 | MT08 |
| Length | m | 3 | 5 | 8 |
| Width | mm | 13 | 19 | 25 |
| Pack | qty | 5 | 5 | 1 |



Teng Tools. Yellow tape. In plastic casing with flat underside for internal measuring. Spring return tape, with lock and flexible end hook. Belt clip. Scale: metric.

Graduated zero point according to alt. IV, see

Graduation tolerance according to EU precision standard II, see

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 13192 | -0100 | -0209 | -0308 |
| Teng Tools | No | MT03MM | MT05MM | MT08MM |
| Length | m | 3 | 5 | 8 |
| Width | mm | 13 | 19 | 25 |
| Pack | qty | 5 | 5 | 1 |



Grease Guns

Teng Tools. One-handed operation high-pressure gun for loose grease. Supply of the grease to the high-pressure mechanism is carried out automatically by a spring-loaded low pressure piston.

Supplied with pipe and hydraulic coupling.

| | | |
|------------------------|-----------------|--------------|
| Art. no. | 12835 | -0204 |
| Teng Tools | No | AT505 |
| Container volume | cm ³ | 120 |



Teng Tools. High-pressure gun for 400 gr grease cartridge or regular loose grease. The grease is fed by fully opening the lever. Connection thread G (R) 1/8". Supplied with pipe and hydraulic coupling.

| | | |
|------------------------|-----------------|--------------|
| Art. no. | 12835 | -0105 |
| Teng Tools | No | AT500 |
| Container volume | cm ³ | 500 |

Striking Tools

Ball Pein Hammers



Teng Tools. Round face and with ball. Hickory handle.

| | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 10588 | - | -0058 | -0108 | -0207 | -0306 |
| Teng Tools | No | HMBP08 | HMBP12 | HMBP16 | HMBP24 | HMBP32 |
| Weight with shaft | g | 320 | 550 | 550 | 1040 | 1280 |
| Head diameter | mm | 22 | 24 | 27 | 28 | 29 |
| Pack. | qty | - | 6 | 6 | 4 | 4 |
| Spare part set (wooden handle + wedge) | | | | | | |
| Art. no. | 10588 | -1007 | -1106 | -1205 | -1304 | -1304 |
| Teng Tools | No | HMBP08RK | HMBP12RK | HMBP16RK | HMBP24RK | HMBP32RK |
| Pack. | set | 10 | 10 | 10 | 10 | 10 |

Carpenters Hammer

Teng Tools. With round face and octagonal throat. Chrome, oval steel handle covered with perforated rubber grip.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 11699 | -0201 |
| Teng Tools | No | HMCH16A |
| Weight without handle | oz | 16 |
| Weight with handle | g | 700 |
| Overall length | mm | 312 |
| Face diameter | mm | 27 |
| Pack. | kpl | 6 |



Crown Face Body Hammers



HMBH01



11790-0209



11790-0308

Teng Tools. For body work, etc. Hickory handle.

| | | | | |
|--|--------------|-----------------------------|-------------------------|-----------------|
| Art. no. | 11790 | -0100 | -0209 | -0308 |
| Teng Tools | No | HMBH01 | HMBH02 | HMBH03 |
| Type | | Round, flat head + point | Crowned head + point | Dressing hammer |
| Length | mm | 325 | 325 | 325 |
| Weight | g | 400 | 350 | 400 |
| Pack. | qty | 6 | 6 | 6 |
| Separate wooden handle + handle wedge | | | | |
| Art. no. | 11790 | -1009 | -1009 | -1009 |
| Teng Tools | No | HMBHRK | HMBHRK | HMBHRK |
| Pack. | qty | 10 | 10 | 10 |



Striking Tools Engineers Hammers

Teng Tools. Engineer's hammer with hickory shaft.

| | | | | |
|---|--------------|--------------|--------------|--------------|
| Art. no. | 11703 | -0106 | -0205 | -0304 |
| Teng Tools..... | No | HMEG300 | HMEG500 | HMEG800 |
| Weight without shaft..... | g | 300 | 500 | 800 |
| Overall weight..... | g | 420 | 650 | 1000 |
| Total length..... | mm | 300 | 320 | 350 |
| Pack..... | qty | 6 | 6 | 6 |
| Spare part set (wooden handle + wedge) | 11703 | -1005 | -1104 | -1203 |
| Teng Tools..... | No | HMEG300RK | HMEG500RK | HMEG800RK |
| Pack..... | set | 1 | 1 | 10 |

Rubber and Soft Face Hammer

Teng Tools. Hammer with one nylon face and one rubber face. Tubular steel shaft with perforated rubber handle.



| | | |
|------------------------------|--------------|--------------|
| Art. no. | 10581 | -0105 |
| Teng Tools..... | No | HMSF |
| Face diameter..... | mm | 22 |
| Weight with shaft..... | g | 670 |
| Pack..... | qty | 6 |
| Spare faces (2) | 10581 | -0204 |
| Teng Tools..... | No | HMSFRK |
| Pack..... | set | 11 |

Dead Blow Hammers



Teng Tools. The the head is filled with fine steel particles to prevent the hammer from bouncing back after striking. Black.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 11787 | -0105 | -0204 |
| Teng Tools..... | No | HMD35 | HMD55 |
| Head diameter..... | mm | 35 | 55 |
| Weight..... | g | 300 | 980 |
| Pack..... | qty | 6 | 6 |

Striking Tools

Punch and Chisel Set

Teng Tools. Combined set containing 9 pieces - 6 parallel pin punches, 2 cold chisels and a centre punch.
Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.



| | | |
|------------------------------------|-------------|--------------|
| Art. no. | 6922 | -0101 |
| Teng Tools | No | TTPC09 |
| Contents: | | |
| Punches, tip diameter | mm | 3 4 5 6 7 8 |
| Cold chisels, width | mm | 19 25 |
| Centre punch, point diameter | mm | 5 |
| Case size LxWxH | mm | 265x142x50 |
| Weight | kg | 1.4 |

Teng Tools. Special steel. Cylindrical. Hardened, with impact-resistant head. With octagonal shank. Supplied in plastic holder.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 6911 | -0104 |
| Teng Tools | No | PPSO6 |
| No. of punches | ea. | 6 |
| Nose diameter | mm | 3 4 5 6 7 8 |
| Length | mm | 150 |
| Weight | kg | 0.5 |
| Pack | set | 20 |

Separate Striking Tools



Teng Tools. Special steel striking tools. Hardened for long life.

| Art. no. | Teng Tools No | Size mm | Length mm | Product | Pack. qty. |
|-----------------|---------------|---------|-----------|--------------|------------|
| 11702 | | | | | |
| -0107 | PP03 | 3 | 150 | Punch | 10 |
| -0206 | PP04 | 4 | 150 | Punch | 10 |
| -0305 | PP05 | 5 | 150 | Punch | 10 |
| -0404 | PP06 | 6 | 150 | Punch | 10 |
| -0503 | PP07 | 7 | 150 | Punch | 10 |
| -0602 | PP08 | 8 | 150 | Punch | 10 |
| -0909 | CC150F | 19 | 150 | Flat chisel | 10 |
| -1006 | CC200F | 25 | 200 | Flat chisel | 10 |
| -1105 | CC250F | 25 | 250 | Flat chisel | 10 |
| -1204 | CC05 | 5 | 150 | Centre punch | 10 |



Power Tools

Impact wrenches with 1/2" square drive

Teng Tools. Cordless reversible 19.2 V 1/2" impact wrench With 3.0 Ah Ni-MH battery for greater capacity and longer usage. Supplied in plastic case with 2 battery packs, charger and 3 wheel nut sockets.

| | | |
|--|--------------|----------------------|
| Art. no. | 15157 | -0108 |
| Teng Tools | No | PRIW |
| Battery voltage/capacity | | 19.2 V / 3.0 Ah |
| Speed unloaded | rpm | 0-2500 |
| Socket drive | inch | 1/2 |
| Torque | Nm / In-lb | 300 / 2655 |
| Wheel nut sockets | mm | 17 19 21 |
| Machine weight incl. battery | kg | 3.11 |
| Insert size LxWxH | mm | 584x310x110 |
| Box weight | kg | 7.97 |
| Extra battery pack. 3.0 Ah Ni-Mh. | | |
| Art. no. | 15157 | -1007 |
| Teng Tools | No | PRIW-BAT |
| Extra charger | | |
| Art. no. | 15157 | -1106 |
| Teng Tools | No | PRIW-CHA |
| Input voltage AC | | 100-240 V / 50-60 Hz |
| Charging time | min | 70 |
| Output voltage DC | | 30 V, 2.5 A |
| Size WxDxH | mm | 160x135x90 |
| Weight | g | 850 |



Teng Tools. Set containing a cordless impact wrench with 1/2" □ drive. Incl. quick charger and an extra battery 19.2 V. Supplied in special plastic box which fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|----------------------|
| Art. no. | 15172 | -0109 |
| Teng Tools | No | TTPSIW |
| Socket drive | inch | 1/2 |
| Battery voltage/capacity | | 19.2 V / 3.0 Ah |
| Speed unloaded | rpm | 0-2500 |
| Max. torque | Nm / In-lb | 300 / 2655 |
| Insert size LxWxH | mm | 580x274x95 |
| Box weight | kg | 5.15 |
| Pack | sts | 2 |
| Extra battery pack. 3.0 Ah Ni-Mh . | | |
| Art. no. | 15157 | -1007 |
| Teng Tools | No | PRIW-BAT |
| Extra charger | | |
| Art. no. | 15157 | -1106 |
| Teng Tools | No | PRIW-CHA |
| Input voltage AC | | 100-240 V / 50-60 Hz |
| Charging time | min | 70 |
| Output voltage DC | | 30 V, 2.5 A |
| Size WxDxH | mm | 160x135x90 |
| Weight | g | 850 |

Power Tools

Drilling machine

Teng Tools. Cordless reversible 14.4 V drilling machine with quick chuck. Two speed ranges 0-400/0-1400 r/min. With 3.0 Ah Li-ion battery for greater capacity and longer usage. Supplied in plastic case with 2 battery packs, charger and drill set with 34 bits (1.0-13.0 mm).

| | | |
|---|--------------|--|
| Art. no. | 15155 | -0100 |
| Teng Tools | No | PRDD |
| Battery voltage/capacity | | 14.4 V / 3.0 Ah |
| Speed unloaded | rpm | 0-350 / 0-1000 |
| Chuck capacity | mm | 13.0 |
| Torque high/low | Nm / In-lb | H: 1.3-8.2 / 11.5-72.5 L: 1.3-12.8 / 11.5-113 |
| Twist drills | mm | 1.0x4 1.5x3 2.0x2 2.5-13.0 (0.5 mm interval) 3.3 4.2 6.8 |
| Machine weight incl. battery | kg | 1.64 |
| Insert size | mm | 584x310x110 |
| Box weight | kg | 6.78 |
| Extra battery pack. 3.0 Ah Li-ion. | 15155 | -1009 |
| Teng Tools | No | PRDS-BAT |
| Extra charger | 15155 | -1108 |
| Teng Tools | No | PRDS-CHA |
| Input voltage AC | | 100-240 V / 50-60 Hz |
| Charging time | min | 40 |
| Output voltage DC | | 16.6 V, 4 A |
| Size WxDxH | mm | 160x135x90 |
| Weight | g | 850 |



Screwdriver

Teng Tools. Cordless reversible power driver 14.4 V with 1/4" \square screw holder with quick attachment, 3.0 Ah Li-ion batteries for greater capacity and longer usage. Supplied in plastic case with 2 battery packs, charger and 22 screwdriver bits.

| | | |
|--|--------------|--|
| Art. no. | 15156 | -0109 |
| Teng Tools | No | PRICE |
| Battery voltage/capacity | | 14.4 V / 3.0 Ah |
| Speed unloaded | rpm | 0-2400 |
| Quick chuck for bits | inch | 1/4" \square |
| Torque | Nm / In-lb | 120 / 1062 |
| Bits for TX-heads | TX- | 8, 10, 15, 20, 25, 27, 30 |
| Bits for slotted heads | mm | 0.6x3.5 0.8x4.0 0.8x5.5 1.0x5.5 1.2x6.5 |
| Bits for PH-slots | No | 1 2 3 |
| Bits for PZ-slots | No | 1 2 3 |
| Bits for int. hex holes | mm | 4 5 6 8 |
| Machine weight incl. battery | kg | 1.68 |
| Insert size | mm | 584x310x110 |
| Box weight | kg | 6.0 |
| Extra battery pack. 3.0 Ah Li-ion | 15155 | -1009 |
| Teng Tools | No | PRDS-BAT |
| Extra charger | 15155 | -1108 |
| Teng Tools | No | PRDS-CHA |
| Input voltage AC | | 100-240 V / 50-60 Hz |
| Charging time | min | 40 |
| Output voltage DC | | 16.6 V, 4 A |
| Size WxDxH | mm | 160x135x90 |
| Weight | g | 850 |





Power Tools

Drilling machine/screwdriver set

Teng Tools. Set containing a cordless drilling machine and a cordless power driver incl. quick charger and an extra battery 14.4 V.

Supplied in special plastic box which fits in Teng Tools tool boxes and tool trolleys.

| | | |
|---|--------------|------------------------|
| Art. no. | 15171 | -0100 |
| Teng Tools | No | TTPSDS |
| Drilling machine: | | |
| Battery voltage/capacity | | 14.4 V / 3.0 Ah |
| Speed unloaded | rpm | H 0-1000/ L 0-350 |
| Max. torque | Nm / In-lb | H: 1.3-8.2 / 11.5-72.5 |
| | | L: 1.3-12.8/11.5-113 |
| Chuck capacity | mm | 13.0 |
| Power driver: | | |
| Battery voltage/capacity | | 14.4 V / 3.0 Ah |
| Speed unloaded | rpm | 0-2400 |
| Max. torque | Nm / In-lb | 120 / 1062 |
| Bit attachment | inch | 1/4 \bigcirc |
| Insert size LxWxH | mm | 580x274x95 |
| Box weight | kg | 5.77 |
| Pack | sts | 2 |
| Extra battery pack. 3.0 Ah Li-ion. | 15155 | -1009 |
| Teng Tools | No | PRDS-BAT |
| Extra charger | 15155 | -1108 |
| Teng Tools | No | PRDS-CHA |
| Input voltage AC | | 100-240 V / 50-60 Hz |
| Charging time | min | 40 |
| Output voltage DC | | 16.6 V, 4 A |
| Size WxDxH | mm | 160x135x90 |
| Weight | g | 850 |

Air Tools

Air ratchet wrenches



Ridged and powerful ratchet wrench in reversible performance. Very useful within the automotive applications. The machine head is produced of steel. Ergonomic handle of rubber material which insulate against cold air and reduce vibrations during the operation. Equipped with a 360° swivelling air outlet for ease of use of the machine.

The trigger is recessed into the handle.

Square drive of 3/8" ball type and 1/2" hole pin with ring for the impact sockets.

| | | | |
|---------------------------------------|------------------|--------------|--------------|
| Code no. | 16885 | -0105 | -0204 |
| Teng Tools | No | AR38 | AR12 |
| Square drive | inch | 3/8 | 1/2 |
| Bult capacity | mm | M5-M8 | M6-M10 |
| Free speed | r/min | 160 | 160 |
| Max. torque | Nm | 120 | 120 |
| Max. torque | ft-lb | 70 | 70 |
| Recommended torque range | Nm | 15-90 | 15-90 |
| Recommended torque range | ft-lb | 11-66 | 11-66 |
| Sound level (EN ISO 15744:2008) | dB (A) | 91.6 | 91.6 |
| Vibration (EN ISO 8662-7:1997) | m/s ² | 4.31 | 4.31 |
| Min. hose size | inch | 3/8 | 3/8 |
| Air inlet | G (R) | 1/4 | 1/4 |
| Air consumption at 100% int.* | l/min | 570 | 570 |
| Air consumption at 15% int.* | l/min | 86 | 86 |
| Air consumption at 100% int.* | cfm | 20.7 | 20.7 |
| Air consumption at 15% int.* | cfm | 3.10 | 3.10 |
| Length | mm | 292 | 292 |
| Weight | kg | 1.26 | 1.26 |

*) At 6.2 bar.

Air Tools

Air ratchet wrenches

Sets

Teng Tools. Ridged and powerful ratchet wrench in reversible performance. Very useful within the automotive applications. The machine head is produced of steel. Ergonomic handle of composite material which insulate against cold air and reduce the vibrations during the operation. Equipped with a 360° swivelling air outlet for ease of use of the machine.

The trigger is recessed into the handle.

Set 3/8" – Supplied in a plastic box including 9 pcs impact sockets, extension bar, adapter 3/8" to 1/2", mini-oiler and 10 ml air tool oil.

Set 1/2" - Supplied in a plastic box including 7 pcs of impact sockets, extension bar, universal joint, mini-oiler and 10 ml air tool oil.

Square drive of 3/8" ball type and 1/2" hole pin with ring for the impact sockets.

| Code no. | | 16889-0101 | 16888-0102 |
|-------------------------------------|------------------|-------------------------------|----------------------------|
| Teng Tools | No | TA3812 | TA1217 |
| Square drive | inch | 3/8 | 1/2 |
| Impact socket sizes | mm | 8, 10, 12, 13, 14, 16, 17, 19 | 10, 11, 12, 13, 15, 17, 19 |
| Extension bar | mm | 75 | 75 |
| Bolt capacity | mm | M5-M8 | M6-M10 |
| Free speed | r/min | 160 | 160 |
| Max. torque | Nm | 95 | 95 |
| Max. torque | ft-lb | 70 | 70 |
| Recommended torque range | Nm | 15-90 | 15-90 |
| Recommended torque range | ft-lb | 11-66 | 11-66 |
| Sound level (EN ISO 15744:2008) ... | dB (A) | 91.6 | 91.6 |
| Vibration (EN ISO 8662-7:1997) ... | m/s ² | 4.31 | 4.31 |
| Min. hose size | inch | 3/8 | 3/8 |
| Air inlet | G (R) | 1/4 | 1/4 |
| Air consumption at 100% int.* | l/min | 570 | 570 |
| Air consumption at 15% int.* | l/min | 86 | 86 |
| Air consumption at 100% int.* | cfm | 20.7 | 20.7 |
| Air consumption at 15% int.* | cfm | 3.10 | 3.10 |
| Length | mm | 292 | 292 |
| Case size LxWxH | mm | 369x198x62 | 369x198x62 |
| Weight of machine | kg | 1.26 | 1.26 |
| Weight of set | kg | 2.58 | 3.1 |

*) At 6.2 bar.



16889-0101



16888-0102

Teng Tools

Impact wrenches

High qualitative impact wrenches with reversible rotation. Very useful within the automotive applications. High torque - both forward, with three different steps and in reverse mode. Durable aluminium housing. Pistol model with handle exhaust. Equipped with a stepless trigger. The handle grip is made of rubber with an ergonomic performance and design. It also insulates against cold air and reduces vibrations. The machine is also performed to reduce and catch up vibrations in respective taken to the high torque.

Square drive of hole pin with ring type for the impact sockets.

| Art. no. | 16883 | -0107 |
|-------------------------------------|------------------|--------------------|
| Teng Tools | No | TTAW12M |
| Square drive | inch | 1/2 |
| Bolt capacity | mm | M10-M18 |
| Free speed | r/min | 7500 |
| Max. reverse torque | Nm | 740 |
| Max. reverse torque | ft-lb | 550 |
| Hammer mechanism | type | Twin Hammer |
| Sound level (EN ISO 15744:2008) ... | dB (A) | 98.7 |
| Vibration (EN ISO 8662-7:1997) ... | m/s ² | 3.58 |
| Min. hose size | inch | 3/8 |
| Air inlet | G (R) | 1/4 |
| Air consumption at 100% int.* | l/min | 950 |
| Air consumption at 15% int.* | l/min | 133 |
| Air consumption at 100% int.* | cfm | 33.6 |
| Air consumption at 15% int.* | cfm | 4.7 |
| Case size LxWxH | mm | 280x280x80 |
| Weight | kg | 2.86 |

*) At 6.2 bar.



Air Tools

Impact wrenches



Teng Tools. Sound absorptive performance. Composite housing. Low weight. Ergonomic grip of rubber built into the handle which also insulates against cold air and vibrations. 360° swivelling air intake. Reversible – 3 steps forward and 2 steps reverse. Handle exhaust directed from the user. Step less trigger. Twin hammer for high torque and well balanced impact. Developed for professional workshop applications.

| | | |
|---------------------------------------|------------------|--------------------|
| Code no. | 16884 | -0106 |
| Teng Tools | No | TTDAW12C |
| Square drive | inch | 3/8 |
| Bolt capacity | mm | M8-M16 |
| Free speed | r/min | 8500 |
| Max. reverse torque | Nm | 720 |
| Max. reverse torque | ft-lb | 532 |
| Hammer mechanism | typ | Twin Hammer |
| Sound level (EN ISO 15744:2008) | dB (A) | 97.5 |
| Vibration (EN ISO 8662-7:1997) | m/s ² | 4.42 |
| Min. hose size | tum | 3/8 |
| Air inlet | G (R) | 1/4 |
| Air consumption at 100% int.* | l/min | 950 |
| Air consumption at 15% int.* | l/min | 133 |
| Air consumption at 100% int.* | cfm | 33.6 |
| Air consumption at 15% int.* | cfm | 4.7 |
| Case size LxWxH | mm | 280x280x80 |
| Weight | kg | 1.94 |

* At 6.2 bar.

Sets

Teng Tools. Ridged and powerful ratchet wrench in reversible performance. Very useful within the automotive applications. The machine head is produced of steel. Ergonomic handle of composite material which insulate against cold air and reduce the vibrations during the operation. Equipped with a 360° swivelling air outlet for ease of use of the machine.

The trigger is recessed into the handle.

Set 3/8" – Supplied in a plastic box including 9 pcs impact sockets, extension bar, adapter 3/8" to 1/2", mini-oiler and 10 ml air tool oil.

Set 1/2" - Supplied in a plastic box including 7 pcs of impact sockets, extension bar, universal joint, mini-oiler and 10 ml air tool oil.

Square drive of 3/8" ball type and 1/2" hole pin with ring for the impact sockets.



16889-0101



16888-0102

| | | |
|---------------------------------------|-------------------|-------------------------------|
| Code no. | 16889-0101 | 16888-0102 |
| Teng Tools | No | TA3812 |
| Square drive | inch | 3/8 |
| Impact socket sizes | mm | 8, 10, 12, 13, 14, 16, 17, 19 |
| Extension bar | mm | 75 |
| Bolt capacity | mm | M5-M8 |
| Free speed | r/min | 160 |
| Max. torque | Nm | 95 |
| Max. torque | ft-lb | 70 |
| Recommended torque range | Nm | 15-90 |
| Recommended torque range | ft-lb | 11-66 |
| Sound level (EN ISO 15744:2008) | dB (A) | 91.6 |
| Vibration (EN ISO 8662-7:1997) | m/s ² | 4.31 |
| Min. hose size | inch | 3/8 |
| Air inlet | G (R) | 1/4 |
| Air consumption at 100% int.* | l/min | 570 |
| Air consumption at 15% int.* | l/min | 86 |
| Air consumption at 100% int.* | cfm | 20.7 |
| Air consumption at 15% int.* | cfm | 3.10 |
| Length | mm | 292 |
| Case size LxWxH | mm | 369x198x62 |
| Weight of machine | kg | 1.26 |
| Weight of set | kg | 2.58 |

*) At 6.2 bar.



Teng Collection

T-shirts



Teng Tools. Specially designed T-shirt. Red, black and grey. 95% cotton, 5% elastane.

| | | | | |
|--------------------------|--------------|--------------|--------------|-------------------|
| Art. no..... 3651 | -4701 | -4719 | -4735 | -4750 |
| Teng Tools... No | COL-STM | COL-STL | COL-STXL | COL-STXXL |
| Size..... | medium | large | extra large | extra extra large |



Lady's Tops

Teng Tools. Specially designed woman's top. Red, black and grey. 95% cotton, 5% elastane.

| | | | |
|--------------------------|--------------|--------------|--------------|
| Art. no..... 3651 | -4925 | -4941 | -4966 |
| Teng Tools... No | COL-SWM | COL-SWL | COL-SWXL |
| Size..... | medium | large | extra large |

Polo Shirts



Teng Tools. Specially designed piqué shirt. Red, black and grey. 100% cotton.

| | | | | |
|--------------------------|--------------|--------------|--------------|-------------------|
| Art. no..... 3651 | -4800 | -4826 | -4842 | -4867 |
| Teng Tools... No | COL-SPM | COL-SPL | COL-SPXL | COL-SPXXL |
| Size..... | medium | large | extra large | extra extra large |

T-shirts



Teng Tools. Teng Tools T-shirt. 100% cotton.

| | | | | |
|--------------------------|--------------|--------------|--------------|--------------|
| Art. no..... 3651 | -4222 | -4248 | -4263 | -4305 |
| Teng Tools... No | COL-TRM | COL-TRL | COL-TRXL | COL-TBS |
| Colour..... | red | red | red | black |
| Size..... | medium | large | extra large | small |
| Art. no..... 3651 | -4321 | -4347 | -4362 | |
| Teng Tools... No | COL-TBM | COL-TBL | COL-TBXL | |
| Colour..... | black | black | black | |
| Size..... | medium | large | extra large | |

T-shirts



Teng Tools. Teng Toolsprofiled T-shirt. 100% cotton.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 3651 | -7605 | -7704 |
| Size | | L | XL |

Bodywarmers

Black unisex quilted vest. Outer fabric: 100% nylon. Lining: 100% polyester.

| | | | | |
|-----------------------|-------------|----------------|----------------|----------------|
| Art. no. | 3651 | (-6102) | (-6110) | (-6128) |
| Teng Tools | No | COL-BWXS | COL-BWS | COL-BWM |
| Size | | XS | S | M |
| Art. no. | 3651 | (-6136) | (-6144) | (-6151) |
| Teng Tools | No | COL-BWL | COL-BWXL | COL-BWXXL |
| Size | | L | XL | XXL |



Cap

Teng Tools. Red cap with Teng-face.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 3651 | -0105 |
| Teng Tools..... | No | P-CAP5 |
| Pack..... | qty | 24 |



Travel Bags

Teng Tools. Red travelling bag with black trim and Teng-face.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 3651 | -1202 |
| Teng Tools | No | P-BM |
| Size | mm | 430x255x290 |



P-BM

Back Packs

Teng Tools. Red back pack with black trim and Teng-face.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 3651 | -1103 |
| Teng Tools | No | P-BP |
| Size | mm | 360x200x490 |



P-BP



Luggage tag

Teng Tools. Plastic disc with Teng Tools Logo. Space at the back for your name and address. Equipped with plastic strap to secure to baggage.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 3651 | -7407 |
| Teng Tools..... | No | P-LT |

Flag



Teng Tools. Flag with the Teng Tools Logo.

| | | |
|--------------------------|-------------|--------------|
| Art. no. | 3651 | -7100 |
| Teng Tools | No | P-TF01 |
| Size | cm | 180x300 |
| For flagpole length..... | m | 11-12 |



Flag with stand

Teng Tools. Stand with Teng flag.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 3651 | -7209 |
| Teng Tools | No | P-TF02 |

Stickers



Teng Tools. Coloured stickers.

| | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 3651 | -3109 | -3208 | -3307 | -3406 | -3505 |
| Teng Tools.. | No | ST-R130 | ST-R200 | ST-R400 | ST-R130BK | ST-R400BK |
| Size..... | mm | 130 | 200 | 400 | 200 | 400 |
| Type..... | mm | colour | colour | colour | black | black |



Teng Tools. soft rubber sticker.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 16666 | -0100 |
| Teng Tools | Nr | P-ST |



Cork Screw

Teng Tools. Stainless corkscrew with knife in holder.

| | | |
|------------------|-------------|--------------|
| Art. no. | 3651 | -1004 |
| Teng Tools | No | P-CS |



Rectangular badge

Teng Tools. Rectangular Teng Tools badge.

| | | |
|------------------|-------------|--------------|
| Art. no. | 3651 | -6409 |
| Teng Tools | No | P-PIN01 |
| Pack. | qty | 10 |



Round badge

Teng Tools. Round Teng Tools badge.

| | | |
|------------------|-------------|--------------|
| Art. no. | 3651 | -6508 |
| Teng Tools | No | P-PIN |



Sugar free candies

Sugar free candies in metal box with Teng Tools logo.

| | | |
|------------------|-------------|--------------|
| Art. no. | 3651 | -1657 |
| Teng Tools | No | CLIK |
| Pack. | qty | 24 |



Coffee / Tea Cup

Teng Tools. Profiled coffe/tea cup with picture.

| | | |
|------------------|--------------|--------------|
| Art. no. | 13251 | -0702 |
| Teng Tools | No | P-CUP2 |



Wristband

Moisture absorbing sports wristband with Teng Tools logo. Cotton and polyester.

| | | |
|---------------|-------------|--------------|
| Art. no. | 3651 | -1756 |
|---------------|-------------|--------------|



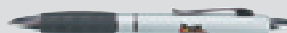


Document folder

Teng Tools. Exclusive document binder in imitation leather. Closed by zipper. Size 270x360x35 mm.

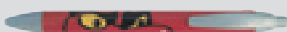
| | | |
|---------------|-------|-------|
| Art. no. | 17238 | -0107 |
|---------------|-------|-------|

Pens



Teng Tools. Pen with Teng Tools logo.

| | | |
|------------------|-------|-------|
| Art. no. | 15163 | -0100 |
| Teng Tools | No | TTPEN |



Teng Tools. Pen with Teng Tools logo.

| | | |
|---------------|------|-------|
| Art. no. | 3651 | -7902 |
|---------------|------|-------|



Pallet cover

Teng Tools. Pallet cover with Teng Tools logo for 4 pallets in a stack. To use when displaying tools in exhibitions and shops.

| | | |
|------------------|------|--------------|
| Art. no. | 4747 | -0505 |
| Size LxWxH | mm | 1220x820x540 |

Digital photoframe



Teng Tools. 10.2" digital photo frame with TFT active LCD display. Allows you to view and listen to photos, movies and MP3 music. Card reader and USB port. Calendar and clock / alarm clock. Remote control.

| | | |
|-----------------------|--------|-----------------------------|
| Art. no. | 18414 | -0291 |
| Resolution | pixels | 800x480 |
| Display ratio | | 16:9 och 4:3 |
| Cards supported | | XD/SD/MMC/MS/CF |
| Files supported | | JPEG, MP3, MPEG-4, DIVX, WA |
| Storlek | mm | 322x245x38 |
| Weight | kg | 1.3 |

Luna



Luna brand products

Luna



Time for a change!

The Luna brand offers you more than 5 000 quality products (incl. spare parts) within the areas of Compressed Air, Metal Working Machines, Workshop Equipment, Lubricants, Welding, Wood Working Machines, Power tool Accessories and Hand Tools.

Luna is not only the company name, but is also synonymous with a range of tools and machines tailored to the professional market, that gives us a whole new set of responsibilities. Luna has supplied tools and machines for more than 90 years, long enough to have developed a deep insight into our customers' requirements and quality demands. We are now putting this knowledge and experience into our new Luna product brand.

The catalogue you are holding in your hand contains all the products that are currently available in the range. Our aim is to create a steady stream of quality products for the quality-conscious user.

Time-honoured traditions that date back to 1917

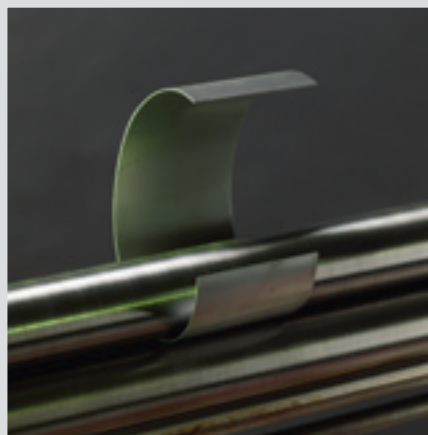
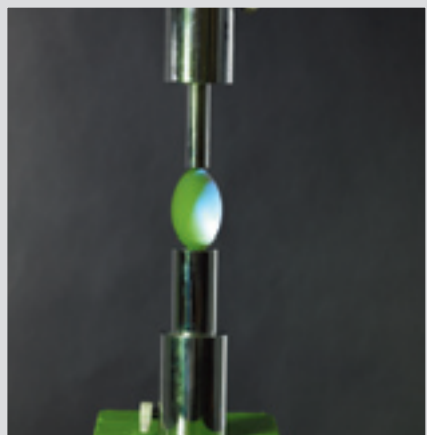
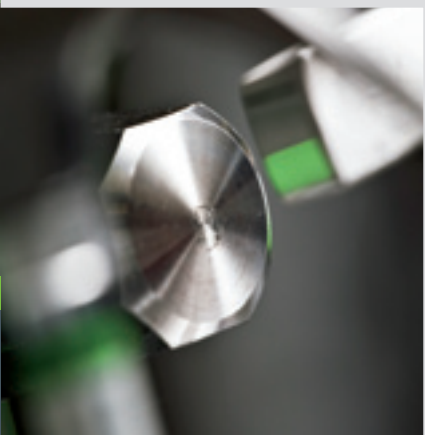
Luna was founded in 1917. As now, our focus back then was also to supply tools and machines of the highest quality to the Swedish market. Over the years our market has broadened to cover 30 or more countries worldwide. We are now established in large parts of Europe and have a leading position in the Nordics.

Our core values are Assurance, Quality and Continuous Development. This simply means that you can feel assured when collaborating with us at Luna. Our long history is an assurance in itself. Add to this a high service level and excellent delivery certainty and you have a reliable partner in Luna.

Our close collaboration with a variety of users guarantees an up-to-date product range of the highest quality. Our products are stringently tested before being added to the range and fulfil the high demands of the market.

Continuous development enables us to stay one step ahead of our competitors. In other words: to think, rethink and think in new ways. To continuously improve and develop.

This is the reason that we hold a continuous dialogue with manufacturers, suppliers and our customers.



Focusing on product development and design

For us it has always been important to be on the cutting edge of design and product development.

At Luna we have an inherent curiosity which, in combination with years of experience, propels us forward. We are always on the lookout for innovations and improvements that simplify the task of those who use our products.

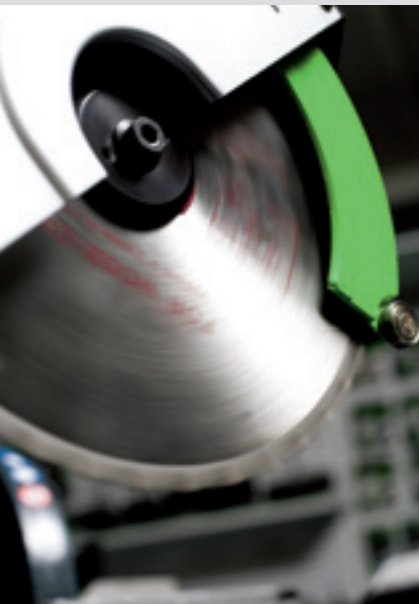
In collaboration with leading global suppliers, our industrial designers work continuously on concepts and product development to improve the quality of our products. One excellent example of good product development is our new Luna product brand.

A brand that not only lives up to the high quality demands of the market, but also has an eye-catching design. This is noticeable in the interest and acceptance shown to the brand since it was launched on the Nordic market in early 2008.



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Compressed air

Luna's Compressed Air programme consists of close to 200 products for industrial use and includes 14-bars and silent piston compressors, screw compressors, dryers and a broad range of accessories.

The assortment is mainly designed for large and medium sized industries and the automotive sector, who put great demands on compressed air equipment.

Focus is on operational reliability, air quality, energy recovery, good economy and accessibility.



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Compressors

Piston compressors

Luna. Portable single stage reciprocating compressor with air tank and direct drive motor. Suitable for spraying, cleaning, inflating tyres, etc. Equipped with miniature circuit breaker that trips with an overload, reset manually. Supplied complete with motor - enclosure class IP 23, rubber lead with plug, push-bar switch, regulator with pressure gauge and quick couplings.

Luna synthetic compressor oil, see art. no. page 365.



| | | | |
|----------------------------------|--------------|----------------|----------------|
| Art. no. | 20634 | -0101 | -0200 |
| Luna | No | ACD2.0-24 | ACD2.5-24 |
| Compressor block | | D10 | D16 |
| Motor voltage | V | 1-stage | 1-stage |
| Fuse (inert) | A | 230 1-phase | 230 1-phase |
| Throughput cylinder volume | l/min | 240 | 270 |
| Throughput cylinder volume | l/sec | 4 | 4.5 |
| Free air displacement* | l/min | 155 | 197 |
| Free air displacement* | l/sec | 2.58 | 3.25 |
| Max. working pressure | bar | 8 | 8 |
| Air container volume | l | 24 | 24 |
| Sound level | dB (A) | 85 | 84 |
| Motor output | kW (hp) | 1.5 (2) | 1.9 (2.5) |
| Compressor block speed | rpm | 2850 | 2850 |
| Dimensions LxWxH | mm | 600x260x600 | 600x260x600 |
| Weight | kg | 21 | 21 |
| Ditto for UK | 20634 | (-6009) | (-6108) |

* At 6 bar.

Luna. Transportable. Single stage, direct drive piston compressor. Lubricated. Equipped with overload protection, double feet support and lifting handle on the tank. Suitable for garages, workshops, craftsmen, plumbers, painters etc. Supplied complete with electric motor (IP 20) rubber cable with plug, pressure switch, safety valve, manometer, regulator and 2 pcs quick couplings.



| | | |
|------------------------------|--------------|--------------|
| Art. no. | 20822 | -0103 |
| Luna | No | ACD2.5-24 |
| Compressor block | | 1-stage |
| Motor voltage | V | 230 1-phase |
| Fuse (slow) | A | 10 |
| Displacement | l/min | 265 |
| Displacement | l/sek | 4.4 |
| Free air displacement* | l/min | 195 |
| Free air displacement* | l/sek | 3.3 |
| Max. working pressure | bar | 8 |
| Air container volume | l | 25 |
| Sound level | dB (A) | 79.7 |
| Motor output | kW (hp) | 1.9 (2.5) |
| Compressor block speed | r/min | 2850 |
| Dimensioner LxWxH | mm | 570x300x670 |
| Weight | kg | 29 |
| Ditto for UK | 20822 | -6001 |

* At 6.2 bar.

Luna. Portable single stage reciprocating compressor with air tank and direct drive motor. Suitable for spraying, cleaning, inflating tyres, etc. Equipped with miniature circuit breaker that trips with an overload, reset manually.

Supplied complete with motor - enclosure class IP 23, rubber lead with plug, push-bar switch, regulator with pressure gauge and quick couplings.

Luna synthetic compressor oil, see art. no. page 365.



| | | | |
|-----------------------------------|--------------|----------------|----------------|
| Art. no. | 20676 | -0100 | -0209 |
| Luna | No | ACD2.5-24B | ACD3.0-24B |
| Compressor block | | D16 | D13 |
| Motor voltage | V | 1-stage | 1-stage |
| Fuse (inert) | A | 230 1-phase | 230 1-phase |
| Throughput cylinder volume | l/min | 270 | 450 |
| Throughput cylinder volume | l/sec | 4.5 | 7.50 |
| Free output amount of air * | l/min | 197 | 317 |
| Free output amount of air * | l/sec | 3.25 | 5.28 |
| Max. working pressure | bar | 8 | 8 |
| Air tank volume | l | 24 | 24 |
| Sound level | dB (A) | 84 | 77 |
| Motor output | kW (hp) | 1.9 (2.5) | 2.2 (3) |
| Compressor block speed | rpm | 2850 | 2850 |
| Dimensions LxWxH | mm | 600x260x600 | 620x600x92 |
| Weight | kg | 21 | 44 |
| Ditto for UK | 20676 | (-6008) | (-6107) |

* At 6 bar.

Piston compressors

Luna. Portable single stage reciprocating compressors with air tank and direct drive motor. Mounted in tubular steel frame on the double air tanks. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable with construction for nailing, stapling and rivet guns. Equipped with miniature circuit breaker that trips with an overload. Reset manually. Supplied complete with motor - enclosure class IP 44, push-bar switch, safety valve, pressure gauge, regulator and quick couplings. 1-phase supplied with rubber lead and plug, 3-phase supplied with rubber lead without plug. Luna synthetic compressor oil, see art. no. page 365.

| | | |
|-----------------------------------|--------------|----------------|
| Art. no. | 20675 | -0200 |
| Luna | No | ACD3.0-22B |
| Compressor block | | D13 1-stage |
| Motor voltage | V | 230 1-phase |
| Fuse (inert) | A | 16 |
| Free output amount of air * | l/min | 317 |
| Free output amount of air * | l/sec | 5.28 |
| Max. working pressure | bar | 10 |
| Air tank volume | l | 11+11 |
| Sound level | dB (A) | 77 |
| Motor output | kW (hp) | 2.2 (3) |
| Compressor block speed | rpm | 2850 |
| Dimensions LxWxH | mm | 620x640x760 |
| Weight | kg | 64 |
| Ditto for UK | 20675 | (-6108) |

* At 6 bar.



Luna. Portable reciprocating compressors with air tank and belt-driven motors. For fully automatic operation, which means automatic start and stop. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable for home use and small garage workshops where the need of air is great. Equipped with miniature circuit breaker that trips with an overload. Reset manually. Supplied complete with motor - enclosure class IP 23, mains cord, push-bar switch, safety valve, pressure gauge, regulator and quick couplings. Luna synthetic compressor oil, see art. no. page 365.

| | | | | |
|-----------------------------------|--------------|----------------|--------------|--------------|
| Art. no. | 20674 | -0102 | -0201 | -0300 |
| Luna | No | ACB3.0-50 | ACB4.0-90 | ACB5.5-100 |
| Compressor block | | K11 | K17 | K25 |
| Motor voltage | V | 1-stage | 1-stage | 2-stage |
| Fuse (inert) | A | 230 1-phase | 400 3-phase | 400 3-phase |
| Throughput cylinder volume | l/min | 16 | 16 | 20 |
| Throughput cylinder volume | l/sec | 308 | 449 | 578 |
| Free output amount of air * | l/min | 5.13 | 7.48 | 9.63 |
| Free output amount of air * | l/sec | 216 | 314 | 462 |
| Max working pressure | bar | 3.60 | 5.23 | 7.70 |
| Air container volume | l | 9 | 9 | 9 |
| Sound level | dB (A) | 50 | 90 | 100 |
| Motor output | kW (hp) | 77 | 79 | 74 |
| Compressor block speed | rpm | 2.2 (3) | 3 (4) | 4 (5.5) |
| Dimension LxWxH | mm | 1400 | 1400 | 1400 |
| Weight | kg | 800x380x700 | 1000x400x800 | 1050x400x830 |
| | | 55 | 75 | 80 |
| Ditto for Norway | 20674 | - | -5002 | -5101 |
| Motor voltage | V | - | 230 3-phase | 230 3-phase |
| Fuse (inert) | A | - | 35 | 35 |
| Ditto for UK | 20674 | (-6000) | -6109 | -6208 |

* At 6 bar.



Piston compressors



Luna. Stationary, two-stage reciprocating compressor for fully automatic operation, which means automatic start and stop. Cylinder block of cast iron. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable for larger garage workshops, industries, agriculture, etc. where the need of air is great. Equipped with miniature circuit breaker that trips with an overload. Reset manually.

Supplied complete with air tank, push-bar switch, safety valve and pressure gauge.

K30 - K50 compressor blocks are supplied as standard with automatic YD-change-over switch.

Luna synthetic compressor oil, see art. no. page 365.

| Art. no..... | 20678 | -0108 | -0207 | -0306 |
|-----------------------------------|--------------|----------------|----------------|----------------|
| Luna | No | ACB5.5-150 | ACB7.5-200 | ACB10-270 |
| Compressor block | | K25 2-stage | K30 2-stage | K50 2-stage |
| Motor voltage | V | 400 3-phase | 400 3-phase | 400 3-phase |
| Fuse (inert) | A | 16 | 20 | 25 |
| Throughput cylinder volume | l/min | 578 | 727 | 1074 |
| Throughput cylinder volume | l/sec | 9.63 | 12.11 | 17.90 |
| Free output amount of air * | l/min | 462 | 582 | 859 |
| Free output amount of air * | l/sec | 7.70 | 12.11 | 14.31 |
| Max working pressure | bar | 10.5 | 11 | 11 |
| Air container volume | l | 150 | 200 | 270 |
| Sound level | dB (A) | 74 | 74 | 76 |
| Motor output | kW (hp) | 4.5 (5.5) | 5.5 (7.5) | 7.5 (10) |
| Compressor block speed | rpm | 1400 | 1000 | 1000 |
| Dimension LxWxH | mm | 1380x440x950 | 1420x420x1100 | 1700x600x1370 |
| Weight | kg | 91 | 109 | 186 |
| Ditto for Norway | 20678 | -5008 | -5107 | -5206 |
| Motor voltage | V | 230 3-phase | 230 3-phase | 230 3-phase |
| Fuse (inert) | A | 25 | 35 | 35 |
| Ditto for UK | 20678 | -6006 | -6105 | -6204 |
| Motor voltage | V | 400 3-phase | 400 3-phase | 400 3-phase |

* At 6 bar.



Luna. Stationary two-stage reciprocating compressor in **vertical** design. With low speed belt-driven motor. For fully automatic operation, which means automatic start and stop. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable for garages and workshops where the need of air is great. Equipped with miniature circuit breaker that trips with an overload. Reset manually.

Supplied complete with rubber lead, push-bar switch, safety valve, pressure gauge, control valve and quick connect couplings.

Luna synthetic compressor oil, see art. no. page 365.

| Art. no..... | 20679 | -0107 |
|-----------------------------------|--------------|----------------|
| Luna | No | ACV5.5-270 |
| Compressor block | | K25 2-stage |
| Motor voltage | V | 400 3-phase |
| Fuse (inert) | A | 20 |
| Throughput cylinder volume | l/min | 578 |
| Throughput cylinder volume | l/sec | 9.63 |
| Free output amount of air * | l/min | 462 |
| Free output amount of air * | l/sec | 7.70 |
| Max working pressure | bar | 9 |
| Air container volume | l | 270 |
| Sound level | dB (A) | 74 |
| Motor output | kW (hp) | 4.5 (5.5) |
| Compressor block speed | rpm | 1400 |
| Dimension LxWxH | mm | 600x600x1800 |
| Weight | kg | 110 |
| Ditto for Norway | 20679 | -5007 |
| Motor voltage | V | 230 3-phase |
| Fuse (inert) | A | 35 |

* At 6 bar.

Piston compressors

Oil less

Luna. Small, silent, portable oil free, single stage reciprocating compressor. With air container, direct drive. Suitable for brad guns/staplers, spray painting, cleaning and pumping. Maintenance free. Equipped with miniature circuit breaker that trips with an overload.

| | | |
|----------------------------------|--------------|----------------|
| Art. no. | 20633 | -0102 |
| Luna | No | ACD1.5-6OL |
| Compressor block | | 1-stage |
| Motor voltage | V | 230 1-phase |
| Fuse (inert) | A | 10 |
| Throughput cylinder volume | l/min | 180 |
| Throughput cylinder volume | l/sek | 3.0 |
| Free air displacement* | l/min | 117 |
| Free air displacement* | l/sek | 1.95 |
| Max. working pressure | bar | 8 |
| Air tank volume | l | 6 |
| Sound level | dB (A) | 88 |
| Motor output | kW (hp) | 1.1 (1.5) |
| Compressor block speed | r/min | 2800 |
| Dimensioner LxWxH | mm | 480x220x540 |
| Weight | kg | 13 |
| Ditto for UK | 20633 | (-6000) |

* At 6 bar.



Luna. Portable single stage **oil-free** reciprocating compressor with air tank and direct drive motor. Suitable for spraying, cleaning, inflating tyres and other minor maintenance work, etc. Equipped with miniature circuit breaker that trips with an overload, reset automatically. Supplied complete with motor - enclosure class IP 23, rubber lead with plug, push-bar switch, regulator with pressure gauge and quick couplings.

| | | |
|----------------------------------|--------------|----------------|
| Art. no. | 20756 | -0103 |
| Luna | No | ACD1.5-24OL |
| Compressor block | | D8 Oil free |
| Motor voltage | V | 1-stage |
| Fuse (inert) | A | 230 1-phase |
| Throughput cylinder volume | l/min | 10 |
| Throughput cylinder volume | l/sek | 190 |
| Free output amount of air* | l/min | 3.17 |
| Free output amount of air* | l/sek | 115 |
| Max. woking pressure | bar | 1.92 |
| Air tank volume | l | 8 |
| Sound level | dB (A) | 24 |
| Motor output | kW (hp) | 81 |
| Compressor block speed | r/min | 1.1 (1.5) |
| Dimensions LxWxH | mm | 2850 |
| Weight | kg | 600x260x600 |
| Ditto for UK | 20756 | (-6001) |

* At 6 bar.



Luna. Portable single stage **oil-free** reciprocating compressor with air tank and direct drive motor. Suitable for spraying, cleaning, inflating tyres, etc. Equipped with miniature circuit breaker that trips with an overload, reset manually. Supplied complete with motor - enclosure class IP 23, rubber lead with plug, push-bar switch, regulator with pressure gauge and quick couplings.

| | | |
|----------------------------------|--------------|----------------|
| Art. no. | 20677 | -0109 |
| Luna | No | ACD2.5-24OL |
| Compressor block | | D20 Oil free |
| Motor voltage | V | 1-stage |
| Fuse (inert) | A | 230 1-phase |
| Throughput cylinder volume | l/min | 10 |
| Throughput cylinder volume | l/sek | 206 |
| Free output amount of air* | l/min | 3.43 |
| Free output amount of air* | l/sek | 134 |
| Max. working pressure | bar | 2.23 |
| Air tank volume | l | 8 |
| Sound level | dB (A) | 24 |
| Motor output | kW (hp) | 75 |
| Compressor block speed | r/min | 1.8 (2.5) |
| Dimensionsr LxWxH | mm | 1450 |
| Weight | kg | 620x600x92 |
| Ditto for UK | 20677 | (-6007) |

* At 6 bar.



Piston compressors

14 bar



Luna. Stationary two cylinder two-stage reciprocating compressor for fully automatic operation, which means automatic start and stop. A reliable and well balanced design with silent operation and effective cooling and high degree of efficiency. The cylinders are made of cast iron and the heads of aluminium. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders.

Equipped with warning lamp that comes on when the oil level is under the minimum level as well as 8 and 16.5 bar safety valves.

Supplied complete with automatic YD-change-over switch, air container. Luna synthetic compressor oil, see art. no. page 365.

| | | |
|----------------------------------|--------------|----------------|
| Art. no. | 20657 | (-0103) |
| Luna | No | ACH7.5-300 |
| Compressor block..... | | K30 2-stage |
| Connection voltage 50 Hz | V | 400 3-phase |
| Fuse (inert)..... | A | 25 |
| Throughput cylinder volume | l/min | 727 |
| Throughput cylinder volume | l/sec | 12.11 |
| Free air displacement* | l/min | 582 |
| Free air displacement* | l/sec | 9.70 |
| Max. air pressure | bar | 14 |
| Motor output | kW (hp) | 5.5 (7.5) |
| Air tank volume | l | 300 |
| Sound level | dB (A) | 69 |
| Ditto for Norway | 20657 | (-5003) |
| Motor voltage | V | 230 3-phase |
| Fuse (inert)..... | A | 35 |

* At 6 bar.



Luna. Portable two cylinder two-stage reciprocating compressor for fully automatic operation, which means automatic start and stop. A reliable and well balanced design with silent operation and effective cooling and high degree of efficiency. The cylinders are made of cast iron and the heads of aluminium. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders.

Equipped with warning lamp that comes on when the oil level is under the minimum level as well as double safety valves 8 and 16.5 bar.

Supplied complete with rubber lead.

Luna synthetic compressor oil, see art. no. page 365.

| | | |
|----------------------------------|--------------|--------------------|
| Art. no. | 20658 | (-0102) |
| Luna | No | ACH4.0-500 |
| Compressor block | | K25-4HP 2-stage |
| Connection voltage 50 Hz | V | 400 3-phase |
| Fuse (inert) | A | 16 |
| Throughput cylinder volume | l/min | 578 |
| Throughput cylinder volume | l/sec | 9.63 |
| Free air displacement* | l/min | 462 |
| Free air displacement* | l/sec | 7.70 |
| Max. air pressure | bar | 14 |
| Motor output | kW (hp) | 3 (4) |
| Air tank volume | l | 300 |
| Sound level | dB (A) | 74 |
| Compressor block speed | rpm | 950 |
| Dimensions LxWxH | mm | 1660x520x1150 |
| Weight | kg | 157 |
| Ditto for Norway | 20658 | (-5002) |
| Motor voltage | V | 230 3-phase |
| Fuse (inert) | A | 25 |

* At 6 bar.

Piston compressors

Silenced

Luna. Portable reciprocating compressors on tanks for fully automatic operation, which means automatic start and stop. A reliable and well balanced design with silent operation and effective cooling and high degree of efficiency. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Supplied complete with rubber lead.

Luna synthetic compressor oil, see art. no. page 365.

| | | |
|----------------------------------|--------------|----------------|
| Art. no. | 20659 | -0101 |
| Luna | No | ACS2.5-100 |
| Compressor block | | K11 1-stage |
| Connection voltage 50 Hz | V | 230 1-phase |
| Fuse (inert) | A | 10 |
| Max. pressure | bar | 10 |
| Throughput cylinder volume | l/min | 220 |
| Throughput cylinder volume | l/sec | 3.66 |
| Free air displacement | l/min | 150 |
| Free air displacement | l/sec | 2.45 |
| Motor output | kW (hp) | 1.8 (2.5) |
| Air tank volume | l | 100 |
| Sound level | dB (A) | 68 |
| Dimensions LxWxH | mm | 700x600x1100 |
| Ditto for UK | 20659 | (-6009) |



Luna. Stationary reciprocating compressors with belt-driven motors. Low speed. For fully automatic operation, this means automatic start and stop. A reliable and well-balanced design with effective cooling and highly efficient. The unit is equipped with a relief valve, which is also controlled by a push-bar switch, in order for the compressor to start without a back pressure in the cylinders. Suitable for professional use. Equipped with miniature circuit breaker that trips with an overload. Reset automatically. **Air container not included.**

Supplied complete with motor - enclosure class IP 23, rubber lead with plug, push-bar switch, safety valve, pressure gauge regulator and quick couplings.

Compressor tanks see 20660 page 275.

Luna synthetic compressor oil, see art. no. page 365.

| | | | |
|-------------------------------------|--------------|----------------|----------------|
| Art. no. | 20084 | (-0106) | (-0205) |
| Luna | No | ACS5.5-WO | ACS7.5-WO |
| Compressor block | | K30 | K30 |
| Motor voltage | V | 400 3-phase | 400 3-phase |
| Fuse (inert) | A | 16 | 16 |
| Displacement cylinder volume* | l/min | 581 | 727 |
| Displacement cylinder volume* | l/sec | 9.68 | 12.11 |
| Free air displacement | l/min | 465 | 582 |
| Free air displacement | l/sec | 7.75 | 9.70 |
| Max. working pressure | bar | 10 | 10 |
| Sound level | dB (A) | 65 | 65 |
| Motor output | kW (hp) | 4 (5.5) | 5.5 (7.5) |
| Compressor block speed | rpm | 1000 | 1000 |
| Dimensions LxWxH | mm | 850x620x1100 | 850x620x1100 |
| Weight | kg | 168 | 182 |
| Ditto for Norway | 20084 | (-5006) | (-5105) |
| Motor voltage | V | 230 3-phase | 230 3-phase |
| Fuse (inert) | A | 20 | 32 |

* At 6 bar.



LunaBrand



Screw compressors

Luna. Low-noise stationary screw compressors. Modular design mounted on the pressure tank with integrated refrigerant type dryer. A reliable and well-balanced design with effective cooling and highly efficient. Direct driven between the motor and compressor section, which makes the compressor virtually maintenance free. Digital control of compressor operations, motor's direction of rotation and switching on and off of the cooling fan. A well developed cooling system that guarantees optimal working temperature. All air and oil connections are manufactured of heat resistant pipes. Suitable for professional use. Quick and easy installation.

Supplied complete with air tank, refrigerant type dryer, safety valve, pressure gauge and ball valve.

| Art. no..... | 20661 | (-0206) | (-0305) | (-0404) |
|-------------------------------|--------------|----------------|----------------|----------------|
| Luna | No | ASC7.5-270 | ASC10-270 | ASC15-270 |
| Motor voltage | V | 400 3-phase | 400 3-phase | 400 3-phase |
| Fuse (inert) | A | 16 | 25 | 32 |
| Max. pressure | bar | 10 | 10 | 10 |
| Free air displacement | l/min | 670 | 950 | 1450 |
| Air containe4r volume | l | 270 | 270 | 270 |
| Sound level approx. | dB (A) | 68 | 68 | 71 |
| Motor output | kW (hp) | 5.5 (7.5) | 7.5 (10) | 11 (15) |
| Compressor block speed | r/min | 2850 | 2850 | 2850 |
| Dimensions LxWxH | mm | 1530x730x1530 | 1530x730x1530 | 1530x730x1530 |
| Weight | kg | 250 | 280 | 280 |
| Ditto for Norway | 20661 | (-5106) | (-5205) | (-5304) |
| Motor voltage | V | 230 3-phase | 230 3-phase | 230 3-phase |
| Fuse (inert) | A | 32 | 40 | 50 |



Luna. Low-noise stationary screw compressors. A reliable and well-balanced design with effective cooling and highly efficient. Direct driven between the motor and compressor section, which makes the compressor virtually maintenance free. Digital control of compressor operations, motor's direction of rotation and switching on and off of the cooling fan. A well developed cooling system that guarantees optimal working temperature. All air and oil connections are manufactured of heat resistant pipes. Suitable for professional use. Quick and easy installation.

The recommendation is to use a refrigerant type dryer and compressed air filter 20661 page 275.

Compressor tanks see 20660 page 275.

| Art. no..... | 15060 | (-0104) | (-0203) | (-0302) | (-0401) |
|-------------------------------|--------------|----------------|----------------|----------------|----------------|
| Luna | No | ASC20-WO | ASC25-WO | ASC30-WO | ASC40-WO |
| Motor voltage | V | 400 3-phase | 400 3-phase | 400 3-phase | 400 3-phase |
| Max. pressure | bar | 10 | 10 | 10 | 10 |
| Free air displacement | l/min | 2010 | 2450 | 3050 | 4210 |
| Sound level approx. | dB (A) | 70 | 73 | 74 | 75 |
| Motor output | kW (hp) | 15 (20) | 18.5 (25) | 22 (30) | 30 (40) |
| Dimensions LxWxH | mm | 1000x760x1400 | 1320x900x1400 | 1320x900x1400 | 1320x900x1400 |
| Weight | kg | 310 | 365 | 395 | 485 |
| Ditto for Norway | 20661 | (-5403) | (-5502) | (-5601) | (-5700) |
| Motor voltage | V | 230 3-phase | 230 3-phase | 230 3-phase | 230 3-phase |

Refrigerant type dryers



Luna. Intended to remove water from compressed air by a simple chilling process. Cooled using freon R 134a. The condensed water is separated in the centrifugal separator, which automatically removes the condensate through the condensation drain. The unit is fully automatic and requires a minimum of maintenance to ensure continuous and effective operations. Complete with automatic condensation drain. As standard the refrigerant type dryer has enclosure class IP 54. Larger models quoted on request. For more information contact Luna.

| Art. no. | 20661 | (-2004) | (-2103) | (-2202) | (-2301) |
|-----------------------------|---------------------|-------------|-------------|-------------|-------------|
| Luna | No | AD0.6 | AD0.9 | AD1.2 | AD1.8 |
| Max. capacity* | m ³ /min | 0.6 | 0.9 | 1.2 | 1.8 |
| Max. capacity* | m ³ /h | 36 | 54 | 72 | 108 |
| Max. working pressure | bar | 16 | 16 | 16 | 16 |
| Connection thread | G (R) | 3/8" | 3/8" | 1/2" | 1/2" |
| Dimensions LxWxH | mm | 480x375x530 | 480x375x530 | 480x375x530 | 480x375x530 |
| Weight | kg | 30 | 33 | 38 | 40 |
| Art. no. | 20661 | (-2400) | (-2509) | (-2608) | (-2707) |
| Luna | No | AD2.2 | AD3.0 | AD5.2 | AD6.5 |
| Max. capacity* | m ³ /min | 2.2 | 3.0 | 5.2 | 6.5 |
| Max. capacity* | m ³ /h | 132 | 180 | 312 | 390 |
| Max. working pressure | bar | 16 | 16 | 16 | 16 |
| Connection thread | G (R) | 1" | 1" | 1 1/2" | 1 1/2" |
| Dimensions LxWxH | mm | 615x375x735 | 615x375x735 | 730x465x700 | 730x465x700 |
| Weight | kg | 60 | 62 | 92 | 95 |

LunaBrand

Compressed air tanks

Luna. Pressure tanks manufactured and tested according to applicable CE-standards. Finish of primer and top coat. Supplied complete with valve assembly including safety valve, pressure gauge, ball valve and drain valve.

| Art. no. | 20660 | (-6006) | (-6105) | (-6204) | (-6303) |
|-------------------------|-------|--------------|---------------|----------------|--------------|
| Luna | No | CA100-11 BAR | CA200-11 BAR | CA270-11 BAR | CA500-11 BAR |
| Volume | l | 100 | 200 | 270 | 500 |
| Max. pressure | bar | 11 | 11 | 11 | 11 |
| Connecting thread | G (R) | 3/4 | 1 | 1 | 1 1/2 |
| Overall height | mm | 1152 | 1570 | 1664 | 2055 |
| Diameter | mm | 370 | 446 | 500 | 600 |
| Art. no. | 20660 | (-6402) | (-6501) | (-6600) | (-6709) |
| Luna | No | CA720-11 BAR | CA90-0-11 BAR | CA200-0-11 BAR | CA100-11 BAR |
| Volume | l | 720 | 900 | 2000 | 3000 |
| Max. pressure | bar | 11 | 11 | 12 | 12 |
| Connecting thread | G (R) | 1 1/2 | 1 1/2 | 2 | 2 1/2 |
| Overall height | mm | 2030 | 2140 | 2485 | 2980 |
| Diameter | mm | 750 | 800 | 1100 | 1200 |



Blowguns



Luna. Set of 3 different blowguns - one of plastic, one of metal in a gun design and a straight model of metal. Ergonomic grip for both left and right handed. With hanging eye. Variable control of the air flow. 360° swivel air connection. Developed for professional workshop use.

Accessory kit with 22 pieces - including nozzles suitable for all blowguns - 1 of each: Short with adjustable spout, 100 mm straight, 100 mm straight with adjustable spout, 325 mm straight, 325 mm straight with adjustable spout, brass spout, ball nozzles, needle nozzles 30 mm, 60 mm and 100 mm, rubber spouts 12 mm, 25 mm, and 35 mm, spraying nozzle, nylon spout 75 mm, safety nozzle long and short, 500 mm adjustable telescopic spout, inflator nozzle, splash guard, safety nozzle and turbo nozzle.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 20808 | -0101 |
| Luna | No | ABG-S |
| Connection thread | G (R) | 1/4 |
| No. of guns | ea. | 3 |
| No. of nozzles | ea. | 19 |
| Max. working pressure | bar | 11-15 |
| Sound level | dB (A) | 85-90 |
| Air consumption | l/min | 115-160 |
| Air consumption | l/s | 1.9-2.7 |
| Overall weight | kg | 0.85 |

Accessories

| | | |
|-------------------------------------|--------------|----------------|
| Blowgun, plastic | 20808 | -0507 |
| Brass nozzle | 20808 | (-0606) |
| Safety nozzle, short | 20808 | (-0705) |
| Safety nozzle, long | 20808 | (-0804) |
| 1/2" Rubber nozzle | 20808 | -0903 |
| 1" Rubber nozzle | 20808 | -1000 |
| 1 3/8" Rubber nozzle | 20808 | -1109 |
| Adjustable nozzle | 20808 | (-1208) |
| Car tyre nozzle | 20808 | (-1307) |
| Flat nozzle | 20808 | (-1406) |
| Nozzle with balls | 20808 | (-1505) |
| 3" Nylon nozzle | 20808 | (-1604) |
| 1 3/16" Needle nozzle | 20808 | (-1703) |
| 2 15/32" Needle nozzle | 20808 | (-1802) |
| 4" Needle nozzle | 20808 | (-1901) |
| 4" Extended nozzle | 20808 | -2008 |
| 13" Extended nozzle | 20808 | (-2107) |
| 20" Telescopic nozzle | 20808 | (-2206) |
| 4" Adjustable nozzle | 20808 | (-2305) |
| 13" Adjustable nozzle | 20808 | (-2404) |
| Splash guard | 20808 | (-2503) |
| Safety nozzle | 20808 | (-2602) |
| Turbo nozzle | 20808 | (-2701) |



Luna. Ergonomic grip. Pistol type. House of **plastic**. Sep less trigger. Suitable for both left and right handed users. 360° swivel air intake. Developed for professional workshop applications. Equipped with hanging up hook. With 90 mm bent aluminium tube with slotted safety tip.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 20797 | -0104 |
| Luna | No | ABG-PBP |
| Connecting thread | G (R) | 1/4 |
| Max. working pressure | bar | 11 |
| Sound level | dB (A) | 85-90 |
| Air consumption | l/min | 160 |
| Air consumption | l/s | 2.7 |
| Overall length | mm | 260 |
| Weight | kg | 0.1 |



20799-0102

Luna. Blowguns of **aluminium** with ergonomically designed grip, for both left and right hand use. 360° swivel air connection. Variable control of the air flow. Developed for professional workshop use.

20799-0102 with short adjustable spout.

20799-0201 with 100 mm long metal spout.



20799-0201

| | | | |
|-----------------------------|--------------|--------------|--------------|
| Art. no. | 20799 | -0102 | -0201 |
| Luna | No | ABG-SAN | AGB-SSP |
| Connection thread | G (R) | 1/4 | 1/4 |
| Max. working pressure | bar | 15 | 15 |
| Sound level | dB (A) | 85-90 | 85-90 |
| Air consumption | l/min | 115 | 130 |
| Air consumption | l/s | 1.9 | 2.2 |
| Total length | mm | 140 | 230 |
| Weight | kg | 0.2 | 0.2 |

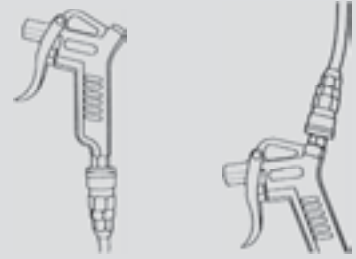
Blowguns



20798-0103



20798-0202



Luna. Blowguns of **aluminium** with ergonomically designed grip, for both left and right hand use. With hanging eye. 360° swivel air connection. Can be switched with the top plug to facilitate use e.g. on a work top. Variable control of the air flow. Developed for professional workshop use.

20798-0103 with short adjustable pipe.

20798-0202 with 100 mm long metal pipe.

| Art. no. | 20798 | -0103 | -0202 |
|-----------------------------|--------|---------|---------|
| Luna. | No | ABG-PAN | AGB-PSP |
| Connecting thread. | G (R) | 1/4 | 1/4 |
| Max. working pressure. | bar | 15 | 15 |
| Sound level. | dB (A) | 85-90 | 85-90 |
| Air consumption. | l/min | 140 | 160 |
| Air consumption. | l/s | 2.3 | 2.7 |
| Overall length. | mm | 115 | 200 |
| Weight. | kg | 0.24 | 0.24 |

Luna. Blow and suction gun. A unique new product where a combination of suction and blow gun is offered. Suitable cleaning within industry and automotive sectors. Both functions are controlled from a trigger.

Light pressure on the trigger give the suction function.

Hard pressure the blow function.



Spare bag

| Art. no. | 20406 | -0107 |
|-------------------------------|-------|-------|
| Connection thread I int. | G (R) | 1/4 |
| Air consumption suction. | l/min | 600 |
| Air consumption blowing. | l/min | 300 |
| Total length. | mm | 340 |
| Weight. | kg | 0.5 |

| Accessories | 20406 | -0206 |
|----------------|-------|-------|
| Dust bag. | | |

Spot Sand Blasting Gun

Set

Luna. Very efficient at small rust spots. Comfortable grip. Swivelling air inlet. Make it possible to blast closed in open areas. Recycling use of the blasting sand. Small amount of air is needed

Supplied with four different nozzles and one blasting template.

Suitable for aluminium silicate and aluminium oxide.



| Art. no. | 20871 | -0103 |
|------------------------------------|--------|--------|
| Luna. | No | ASSB-S |
| Max. pressure. | bar | 10 |
| Air consumption*. | l/min | 340 |
| Air consumption*. | l/s | 5.66 |
| Rec. max. grain size. | mm | 0.5 |
| Air inlet. | G (R) | 1/4 |
| Sound level (CEN/TC 255 N81). | dB (A) | 90 |
| Weight. | kg | 0.8 |

*) At 6.2 bar.

Spray guns Self-feed - for production



Luna. Gravity feed pistol with adjustable fluid output, pattern width and working pressure. Ergonomic grip. Low sound level. High capacity. 360° swiveling air intake. Developed for professional workshop applications. Suitable for automobiles, metallic products, coat and primer surface, anti rust paint etc.

| Art. no. | 20802 | -0107 | -0206 | -0305 | -0404 | -0503 | -0602 |
|-------------------------------|-------|---------|---------|---------|---------|---------|---------|
| Luna | No | ASG1.0T | ASG1.3T | ASG1.5T | ASG1.8T | ASG2.0T | ASG2.5T |
| Paint nozzle | mm | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.5 |
| Working pressure | bar | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 |
| Max. fluid output | l/min | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 | 0.25 |
| Max. pattern width | mm | 245 | 245 | 245 | 245 | 245 | 245 |
| Air inlet | G (R) | ¼ | ¼ | ¼ | ¼ | ¼ | ¼ |
| Air consumption at 100% int.* | l/min | 300 | 300 | 300 | 300 | 300 | 300 |
| Air consumption at 15% int.* | l/min | 45 | 45 | 45 | 45 | 45 | 45 |
| Air consumption at 100% int.* | cfm | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 | 10.6 |
| Air consumption at 15% int.* | cfm | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| Cup capacity | l | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| Weight | kg | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |

Accessories:

| | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|
| Nozzle/needle set complete with cap | 20801 | -1007 | -1106 | -1205 | -1304 | -1403 | -1502 |
|--|-------|-------|-------|-------|-------|-------|-------|

* At 3.0 bar.

Suction feed - for production



Luna. Suction feed pistol with adjustable fluid output, pattern width and working pressure. Ergonomic grip. Low sound level. High capacity. 360° swivelling air intake. Developed for professional workshop applications. Suitable for automobiles, metallic products, coat and primer surface, anti rust paint etc.

| Art. no. | 20801 | -0108 | -0207 | -0306 | -0405 | -0504 | -0603 | -0702 |
|-------------------------------|-------|---------|---------|---------|---------|---------|---------|---------|
| Luna | No | ASG1.0B | ASG1.3B | ASG1.5B | ASG1.8B | ASG2.0B | ASG2.5B | ASG3.0B |
| Paint nozzle | mm | 1.0 | 1.3 | 1.5 | 1.8 | 2.0 | 2.5 | 3.0 |
| Working pressure | bar | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 | 2.6-3.0 |
| Max. fluid output | l/min | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 | 0.22 |
| Max. pattern width | mm | 245 | 245 | 245 | 245 | 245 | 245 | 245 |
| Air inlet | G (R) | ¼ | ¼ | ¼ | ¼ | ¼ | ¼ | ¼ |
| Air consumption at 100% int.* | l/min | 306 | 306 | 306 | 306 | 306 | 306 | 306 |
| Air consumption at 15% int.* | l/min | 46 | 46 | 46 | 46 | 46 | 46 | 46 |
| Air consumption at 100% int.* | cfm | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 | 10.8 |
| Air consumption at 15% int.* | cfm | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| Cup capacity | l | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Weight | kg | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 | 0.45 |

Accessories:

| | | | | | | | | |
|--|-------|-------|-------|-------|-------|-------|-------|-------|
| Nozzle/needle set complete with cap | 20801 | -1007 | -1106 | -1205 | -1304 | -1403 | -1502 | -1601 |
|--|-------|-------|-------|-------|-------|-------|-------|-------|

* At 3.0 bar.

Impact wrenches

Luna. A robust and powerful, reversible impact wrench especially developed for professional workshop applications. High torque action with three steps and reverse. Housing manufactured in aluminium. Handle exhaust and the facility to fit an air drain hose. Equipped with 360° swivelling air intake to make the machine easier to use with little interference from the air hose. Stepless trigger. Ergonomically designed rubber handle for better grip and insulation from cold air and vibration.

20568-0101 With **Pin Clutch** hammer mechanism.

20568-0200 With **Twin Hammer** mechanism.



| Art. no. | 20568 | -0101 | -0200 |
|-------------------------------------|------------------|-----------------------|-----------------------|
| Luna | No | AIW $\frac{3}{8}$ "PC | AIW $\frac{3}{8}$ "TH |
| Square drive | inch | $\frac{3}{8}$ | $\frac{3}{8}$ |
| Bolt capacity | mm | M6-M12 | M6-M12 |
| Free speed | r/min | 11 000 | 10 100 |
| Max. torque (3 steps)..... | Nm | 160/250/300 | 220/365/420 |
| Max. torque (3 steps)..... | ft-lb | 120/187/224 | 164/272/314 |
| Max. reverse torque..... | Nm | 480 | 450 |
| Max. reverse torque..... | ft-lb | 358 | 336 |
| Rec. working torque..... | Nm | 160-250 | 220-380 |
| Rec. working torque..... | Nm | 119-186 | 164-284 |
| Hammer mechanism | typ | Pin clutch | Twin hammer |
| Sound level (ISO 8662-7) | dB (A) | 87.0 | 90.0 |
| Vibration (ISO 15744:1999)..... | m/s ² | < 2.5 | < 2.5 |
| Rec. hose dimension..... | inch | $\frac{3}{8}$ | $\frac{3}{8}$ |
| Air inlet | G (R) | $\frac{1}{4}$ | $\frac{1}{4}$ |
| Airconsumption at 100% int.* | l/min | 550 | 550 |
| Air consumption at 15% int.* | l/min | 82.5 | 82.5 |
| Air consumption at 100% int.* | l/s | 9.16 | 9.16 |
| Air consumption at 15% int.* | l/s | 1.37 | 1.37 |
| Weight | kg | 1.37 | 1.36 |

* At 6.2 bar.

Luna. Sound absorptive performance. Composite housing. Low weight. Ergonomic grip of rubber built into the handle which also insulates against cold air and vibrations. 360° swivelling air intake. Reversible - 3 steps forward and 2 steps reverse. Handle exhaust directed from the user. Step less trigger. **Twin Hammer** mechanism for high torque and better balanced impact. Developed for professional dworkshop applications.



| Art. no. | 15044 | -0105 |
|--|------------------|------------------------|
| Luna | No | AIWC $\frac{3}{8}$ "TH |
| Square drive | inch | $\frac{3}{8}$ |
| Bolt capacity | mm | M6-M12 |
| Free speed | r/min | 9600 |
| Max. torque | Nm | 460 |
| Max. torque | ft-lb | 344 |
| Max. torque (3 steps) | Nm | 250/310/445 |
| Max. torque (3 steps) | ft-lb | 186/231/332 |
| Max. reverse torque | Nm | 515 |
| Max. reverse torque | ft-lb | 384 |
| Recommended torque range | Nm | 250-400 |
| Recommended torque range | ft-lb | 186-299 |
| Hammer mechanism | type | Twin Hammer |
| Sound level (EN ISO 15744:2002)..... | dB (A) | 85.0 |
| Vibration (ISO 8662-7:1997)..... | m/s ² | < 2.5 |
| Min. hose size | inch | $\frac{3}{8}$ |
| Air inlet | G (R) | $\frac{1}{4}$ |
| Air consumption at 100% int.* | l/min | 900 |
| Air consumption at vid 15% int.* | l/min | 135 |
| Air consumption at 100% int.* | l/sec | 15 |
| Air consumption at 15% int.* | l/sec | 2.25 |
| Weight | kg | 1.2 |

* At 6.2 bar.

Impact wrenches



Luna. High qualitative impact wrenches with reversible rotations. Very useful within the automotive applications. High torque - both forward, with three different steps and in reverse mode. Durable aluminium housing. Pistol model with handle exhaust. Equipped with a 360° swivelling air intake for ease of the machine and better handling of the hose plus a step less trigger. The handle grip is made of rubber with an ergonomic performance and design. It also insulates against cold air and reduces vibrations. The machine is also performed to reduce and catch up vibrations in respective taken to the high torque.

Square drive of ring type for the impact sockets.

15045-0104 - Pin Clutch hammer mechanism.

15045-0203 - Twin Hammer mechanism for better balanced impacts.

| Art. no. | 15045 | -0104 | -0203 |
|-------------------------------|------------------|-------------------|--------------------|
| Luna | No | AIW 1/2" PC | AIW 1/2" TH |
| Square drive | inch | 1/2 | 1/2 |
| Bolt capacity | mm | M10-M18 | M10-M18 |
| Free speed | r/min | 8350 | 7330 |
| Max. torque (3 steps) | Nm | 500/610/700 | 500/610/700 |
| Max. torque (3 steps) | ft-lb | 374/455/523 | 374/455/523 |
| Max. reverse torque | Nm | 720 | 720 |
| Max. reverse torque | ft-lb | 538 | 538 |
| Recommended torque range | Nm | 500-650 | 500-650 |
| Recommended torque range | ft-lb | 374-486 | 374-486 |
| Hammer mechanism | type | Pin Clutch | Twin Hammer |
| Sound level (ISO 8662-7) | dB (A) | 85.1 | 88.0 |
| Vibration (ISO 15744:1999) | m/s ² | < 2.5 | < 2.5 |
| Min. hose size | inch | 3/8 | 3/8 |
| Air inlet | G (R) | 1/4 | 1/4 |
| Air consumption at 100% int.* | l/min | 887 | 887 |
| Air consumption at 15% int.* | l/min | 133 | 133 |
| Air consumption at 100% int.* | l/sek | 14.78 | 14.78 |
| Air consumption at 15% int.* | l/sek | 2.21 | 2.21 |
| Weight | kg | 2.41 | 2.43 |

* At 6.2 bar.



Luna. High quality impact wrench with reversible action. Ideal for diverse work within the "automotive" sector with high tightening and loosening torque. The tightening torque is adjustable in three different positions. Manufactured of aluminium. Pistol model with exhaust handle. Equipped with variable throttle and swivel air intake 360° for easy management of the machine and air hose. The grip surfaces are made up of user-friendly rubber and are recessed in the handle for the best comfort and design and which also insulated against the cold and reduce vibrations. Machines are balanced to capture the vibrations from the high impact force in the best possible way.

Supplied in plastic case with 9 power sockets, 3 extended sockets with plastic cover, extension and mist lubricator.

20456-0056 **Pin Clutch** impact mechanism.

20456-0106 **Twin Hammer** mechanism for balanced impact.

| Art. no. | 20456 | -0056 | -0106 |
|--------------------------------------|------------------|------------------------------------|------------------------------------|
| Luna | No | AIW 1/2" PC-S | AIW 1/2" TH-S |
| Socket drive | inch | 1/2 | 1/2 |
| Standard socket dimension | mm | 10, 11, 13, 15, 16, 17, 18, 19, 21 | 10, 11, 13, 15, 16, 17, 18, 19, 21 |
| Extended socket dimension | mm | 17, 19, 21 | 17, 19, 21 |
| Extension bar, length | mm | 125 | 125 |
| Bolt capacity | mm | M10-M18 | M10-M18 |
| Speed | rpm | 8350 | 7330 |
| Max. tightening torque (3 steps) | Nm | 500/610/700 | 500/610/700 |
| Max. tightening torque (3 steps) | ft-lb | 374/455/523 | 374/455/523 |
| Max. release torque | Nm | 720 | 720 |
| Max. release torque | ft-lb | 538 | 538 |
| Rec. working torque | Nm | 500-650 | 500-650 |
| Rec. working torque | ft-lb | 374-486 | 374-486 |
| Impact mechanism | type | Pin Clutch | Twin Hammer |
| Sound level (ISO 8662-7) | dB (A) | 85.1 | 88.0 |
| Vibration (ISO 15744:1999) | m/s ² | < 2.5 | < 2.5 |
| Rec. hose dimension | inch | 3/8 | 3/8 |
| Connection thread | G (R) | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 887 | 887 |
| Air consumption at 15% duty cycle.* | l/min | 133 | 133 |
| Air consumption at 100% duty cycle.* | l/s | 14.78 | 14.78 |
| Air consumption at 15% duty cycle.* | l/s | 2.21 | 2.21 |
| Machine weight | kg | 2.41 | 2.43 |

* At 6.2 bar.

Impact wrenches

Luna. Noise dampened design. Motor housing of composite material. Low weight. Ergonomic handle which is also insulated against the cold and vibrations. 360° revolving air intake. Reversible - 3 step forwards and 2 backwards. Air discharge through the handle away from the user. Variable trigger. **Twin Hammer** for high tightening torque and balanced impact. Designed for professional workshop work.

20734-0100 Mini Model of 1/2" for lightweight and flexible handling.



| Art. no. | 20734 | -0100 | -0209 |
|--------------------------------------|------------------|--------------------|--------------------|
| Luna | No | AIWC 1/2" THM | AIWC 1/2" TH |
| Socket drive | inch | 1/2 | 1/2 |
| Bolt capacity | mm | M6-M12 | M8-M16 |
| Speed | rpm | 10000 | 8500 |
| Max. tightening torque | Nm | 530 | 690 |
| Max. tightening torque | ft-lb | 396 | 515 |
| Max. tightening torque (3 steps) | Nm | 280/370/475 | 490/585/690 |
| Max. tightening torque (3 steps) | ft-lb | 209/276/355 | 366/437/515 |
| Max. release torque | Nm | 565 | 720 |
| Max. release torque | ft-lb | 422 | 538 |
| Rec. tightening torque | Nm | 280-400 | 490-600 |
| Rec. tightening torque | ft-lb | 209-299 | 366-448 |
| Impact mechanism | type | Twin Hammer | Twin Hammer |
| Sound level (EN ISO 15744:2002) | dB (A) | 85.0 | 85.8 |
| Vibration | m/s ² | < 2.5 | < 2.5 |
| Rec. hose dimension | inch | 3/8 | 3/8 |
| Connection thread | G (R) | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 930 | 1360 |
| Air consumption at 15% duty cycle.* | l/min | 139 | 204 |
| Air consumption at 100% duty cycle.* | l/s | 15.5 | 22.7 |
| Air consumption at 15% duty cycle.* | l/s | 2.25 | 2.31 |
| Weight | kg | 1.20 | 1.91 |

* At 6.2 bar.

Luna. Noise dampened design. Motor housing of composite material. Low weight. Ergonomic, rubber handle which is also insulated against the cold and vibrations. 360° swivel hose connection. Reversible - 3 step forwards and 2 backwards. Air discharge through the handle away from the user. Variable trigger. Impact mechanism of type **Twin Hammer** for high torque and well-balanced tightening and loosening. Square drive with ring lock for power sockets. Designed for professional workshop work.

Supplied in plastic case with 9 power sockets, 3 long power sockets with protective sleeve, extension bar and a mist lubricator.



| Art. no. | 20750 | -0109 |
|--------------------------------------|------------------|------------------------------------|
| Luna | No | AIWC 1/2" TH-S |
| Socket drive | inch | 1/2 |
| Standard socket dimension | mm | 10, 11, 13, 15, 16, 17, 18, 19, 21 |
| Long socket's dimensions | mm | 17, 19, 21 |
| Extension bar, length | mm | 125 |
| Bolt capacity | mm | M8 - M16 |
| Speed | rpm | 8500 |
| Max. tightening torque | Nm | 690 |
| Max. tightening torque | ft-lb | 510 |
| Tightening torque (3 stage) | Nm | 490/585/690 |
| Tightening torque (3 stage) | ft-lb | 366/437/515 |
| Loosening torque | Nm | 720 |
| Loosening torque | ft-lb | 538 |
| Rec. working torque | Nm | 490-600 |
| Rec. working torque | ft-lb | 366-448 |
| Impact mechanism | type | Twin Hammer |
| Sound level (EN ISO 15744:2002) | dB (A) | 85.8 |
| Vibration (ISO 8662-7:1977) | m/s ² | < 2.5 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 1360 |
| Air consumption at 15% duty cycle.* | l/min | 204 |
| Air consumption at 100% duty cycle.* | l/s | 22.7 |
| Air consumption at 15% duty cycle.* | l/s | 2.31 |
| Machine weight | kg | 1.91 |
| Pack. | qty | 2 |

* At 6.2 bar.

Impact wrenches



Luna. High quality impact wrench with reversible action. Idea for diverse work within the "automotive" sector with high tightening and loosening torque. The tightening torque is adjustable in three different positions. Manufactured of magnesium and aluminium. Pistol model with exhaust handle with possibility of attaching a drain hose. Equipped with variable throttle and swivel air intake 360° for easy management of the machine and air hose. The grip surfaces are made up of user-friendly rubber and are recessed in the handle for the best comfort and design and which also insulated against the cold and reduce vibrations. Machines are balanced to capture the vibrations from the high impact force in the best possible way.

AIW3/4"TH Square drive with ring locking for power sockets.

AIW1"TH Square drive with hole/pin retainers for the power sockets.

| Art. no. | 20569 | -0100 | -0209 |
|--------------------------------------|------------------|--------------------|--------------------|
| Luna | No | AIW3/4"TH | AIW1"TH |
| Socket drive | inch | 3/4 | 1 |
| Bolt capacity | mm | M18-M27 | M22-M33 |
| Speed | rpm | 5 500 | 5 500 |
| Max. tightening torque (3 steps) | Nm | 1080/1390/1560 | 1080/1390/1560 |
| Max. tightening torque (3 steps) | ft-lb | 805/1040/1165 | 805/1040/1165 |
| Max. release torque | Nm | 1560 | 1560 |
| Max. release torque | ft-lb | 1165 | 1165 |
| Rec. working torque | Nm | 750-1200 | 750-1200 |
| Rec. working torque | ft-lb | 560-900 | 560-900 |
| Impact mechanism | type | Twin Hammer | Twin Hammer |
| Sound level (ISO 8662-7) | dB (A) | 89.6 | 89.6 |
| Vibration (ISO 15744:1999) | m/s ² | 2.16 | 2.16 |
| Rec. hose dimension | inch | 1/2 | 1/2 |
| Connection thread | G (R) | 3/8 | 3/8 |
| Air consumption at 100% duty cycle.* | l/min | 1400 | 1400 |
| Air consumption at 15% duty cycle.* | l/min | 210 | 210 |
| Air consumption at 100% duty cycle.* | l/s | 23.33 | 23.33 |
| Air consumption at 15% duty cycle.* | l/s | 3.50 | 3.50 |
| Weight | kg | 5.22 | 5.25 |

*) At 6.2 bars.



Luna. Noise dampened design. Motor housing of composite material. Low weight. Ergonomic handle which is also insulated against the cold and vibrations. 360° swivel air connection. Reversible - 3 step forwards and 2 backwards. Air discharge through the handle away from the user. Variable trigger. Impact mechanism of type **Twin Hammer** for high torque and well-balanced tightening and loosening. Designed for professional workshop work.

| Art. no. | 20793 | -0108 |
|--------------------------------------|------------------|--------------------|
| Luna | No | AIWC3/4"TH |
| Socket drive | inch | 3/4 |
| Bolt capacity | mm | M18-M27 |
| Speed | rpm | 5200 |
| Max. tightening torque | Nm | 1530 |
| Max. tightening torque | ft-lb | 1129 |
| Tightening torque (3 stage) | Nm | 405/1010/1215 |
| Tightening torque (3 stage) | ft-lb | 300/750/900 |
| Max. release torque | Nm | 1580 |
| Max. release torque | ft-lb | 1166 |
| Rec. working torque | Nm | 335-1145 |
| Rec. working torque | ft-lb | 250-850 |
| Impact mechanism | type | Twin Hammer |
| Sound level (EN ISO 15744:2002) | dB (A) | 96 |
| Vibration (ISO 8662-7:1997) | m/s ² | <2.5 |
| Rec. hose dimension | inch | 1/2 |
| Connection thread | inch | 3/8 |
| Air consumption at 100% duty cycle.* | l/min | 1300 |
| Air consumption at 15% duty cycle.* | l/min | 195 |
| Air consumption at 100% duty cycle.* | l/s | 21.7 |
| Air consumption at 15% duty cycle.* | l/s | 3.2 |
| Weight | kg | 3.15 |

*) At 6.2 bar.

Impact wrenches

Luna. a very powerful and effective impact wrench with double impact mechanism and a 150 mm long socket drive. Reversing and with three torque ranges in each direction. Machine body of magnesium/aluminium alloy with a rubber guard on each side. Impact mechanism of type **Twin Hammer** for high torque and well-balanced tightening and loosening. Suitable for automotive industry with its high loosening and tightening torque and great impact power. Straight model with a support handle on the side. Integrated trigger. Air discharge from the work piece.



| Art. no. | 20732 | -0102 | -0201 |
|--------------------------------------|------------------|-------------------------|--------------------|
| Luna | No | AIW $\frac{3}{4}$ "TH-6 | AIW1"TH-6 |
| Socket drive | inch | $\frac{3}{4}$ | 1 |
| Bolt capacity | mm | M18-M27 | M22-M33 |
| Speed | rpm | 4500 | 4500 |
| Max. tightening torque | Nm | 3300 | 3300 |
| Max. tightening torque | ft-lb | 2450 | 2450 |
| Torque (3 stage) | Nm | 1850/2500/2700 | 1850/2500/2700 |
| Max. release torque (3 stage) | Nm | 2000/2700/2900 | 2000/2700/2900 |
| Max. release torque (3 stage) | ft-lb | 1480/2000/2150 | 1480/2000/2150 |
| Recommended tightening torque | Nm | 500-2500 | 600-2700 |
| Recommended tightening torque | fb-lb | 370-1850 | 445-2000 |
| Impact mechanism | type | Twin Hammer | Twin Hammer |
| Sound level | dB (A) | 111.4 | 111.4 |
| Vibration | m/s ² | 3.01 | 3.01 |
| Rec. hose dimension | inch | $\frac{3}{4}$ | $\frac{3}{4}$ |
| Connection thread | G (R) | $\frac{1}{2}$ | $\frac{1}{2}$ |
| Air consumption at 100% duty cycle.* | l/min | 1860 | 1860 |
| Air consumption at 15% duty cycle.* | l/min | 279 | 279 |
| Air consumption at 100% duty cycle.* | l/s | 31.0 | 31.0 |
| Air consumption at 15% duty cycle.* | l/s | 4.6 | 4.6 |
| Length | mm | 485 | 485 |
| Weight | kg | 9.8 | 9.9 |

* At 6.2 bar.

Air ratchets

Stubby-Model

Luna. Ergonomic handle, which insulates against cold air and vibrations. Discharge through the handle away from the user. 360° Adjustable air intake. Reversible. Ideal for work in confined areas. Integrated trigger for a comfortable grip. Designed for professional workshop work. Steel with planetary gears. Ball-shaped square socket drive for quick connection to power sockets.



| Art. no. | 20733 | -0101 | -0200 |
|--------------------------------------|------------------|---------------------|---------------------|
| Luna | No | ARS $\frac{1}{4}$ " | ARS $\frac{3}{8}$ " |
| Socket drive | inch | $\frac{1}{4}$ | $\frac{3}{8}$ |
| Bolt capacity | mm | M10 | M10 |
| Speed | rpm | 280 | 280 |
| Max. tightening torque | Nm | 34 | 34 |
| Max. tightening torque | ft-lb | 25.2 | 25.2 |
| Recommended tightening torque | Nm | 8-34 | 8-34 |
| Recommended tightening torque | ft-lb | 5.9-25.2 | 5.9-25.2 |
| Sound level | dB (A) | 89.1 | 87.5 |
| Vibration | m/s ² | 2.32 | 2.97 |
| Rec. hose connection | inch | $\frac{3}{8}$ | $\frac{3}{8}$ |
| Connection thread | G (R) | $\frac{1}{4}$ | $\frac{1}{4}$ |
| Air consumption at 100% duty cycle.* | l/min | 420 | 420 |
| Air consumption at 15% duty cycle.* | l/min | 63 | 63 |
| Air consumption at 100% duty cycle.* | l/s | 7.0 | 7.0 |
| Air consumption at 15% duty cycle.* | l/s | 1.1 | 1.1 |
| Length | mm | 165 | 165 |
| Weight | kg | 0.53 | 0.53 |

* At 6.2 bar.

Air ratchets

Ratchet handles



20572-0204

Luna. Durable and powerful stall impact wrench in ratchet model. Reversible. Extremely suitable for diverse work within the "automotive" sector and the like. Manufactured of steel with ergonomically designed handle that insulates against the cold and reduces vibration. Equipped with 360° adjustable ejector device and swivel air intake 360° for easy handling of the machine and air hose. With lever arm throttle recessed in the handle. Square drive med ball locking of power sockets.

| Art. no. | 20572 | -0105 | -0204 |
|--|------------------|--------------------|--------------------|
| Luna | No | AR $\frac{3}{8}$ " | AR $\frac{1}{2}$ " |
| Socket drive | inch | $\frac{3}{8}$ | $\frac{1}{2}$ |
| Bolt capacity | mm | M5-M8 | M6-M10 |
| Speed | rpm | 240 | 240 |
| Max. tightening torque | Nm | 120 | 120 |
| Rec. working torque | Nm | 15-100 | 15-100 |
| Sound level (ISO 8662-7) | dB (A) | 92 | 92 |
| Vibration (ISO 15744:1999) | m/s ² | 0.96 | 0.96 |
| Rec. hose dimension | inch | $\frac{5}{16}$ | $\frac{5}{16}$ |
| Connection thread | G (R) | $\frac{1}{4}$ | $\frac{1}{4}$ |
| Air consumption at 100% duty cycle.* | l/min | 755 | 755 |
| Air consumption at 15% duty cycle.* | l/min | 113 | 113 |
| Air consumption at 100% duty cycle.* | l/s | 12.6 | 12.6 |
| Air consumption at 15% duty cycle.* | l/s | 1.9 | 1.9 |
| Length | mm | 330 | 330 |
| Weight | kg | 1.35 | 1.35 |

* At 6.3 bar.



20573-0104

Luna. Strong and powerful stall impact wrench in ratchet model. Reversible. Ideal for diverse work in the "automotive" sector and the like. Manufactured of steel with ergonomically designed handle that insulates against the cold and reduces vibration. Equipped with 360° adjustable ejector device and swivel air intake 360° for easy handling of the machine and air hose. With lever arm throttle recessed in the handle.

Set $\frac{3}{8}$ " - supplied with 9 power sockets, extension, adapter $\frac{3}{8}$ " for $\frac{1}{2}$ " mist lubricator and 10 ml pneumatic tool oil.

Set $\frac{1}{2}$ " - supplied with 7 power sockets, extension, universal joint, mist lubricator and 10 ml pneumatic tool oil.

Square drive med ball locking of power sockets.

| Art. no. | 20573 | -0104 | -0203 |
|----------------------------------|------------------|---|-------------------------------|
| Luna | No | AR $\frac{3}{8}$ "-S | AR $\frac{1}{2}$ "-S |
| Socket drive | inch | $\frac{3}{8}$ | $\frac{1}{2}$ |
| Socket's dimension | mm | 8, 10, 12, 13, 14, 15, 16, 17, 19 | 10, 11, 12, 13, 15, 17, 19 |
| Long socket's dimensions | mm | 8, 10, 12, 13, 14, 16, 17, 19 | 10, 11, 12, 13, 15, 17, 19 |
| Extension length | mm | 75 | 75 |
| Pins | inch | $\frac{3}{8}$ - $\frac{1}{4}$, $\frac{3}{8}$ - $\frac{1}{2}$ | $\frac{1}{2}$ - $\frac{3}{8}$ |
| Bolt capacity | mm | M5-M8 | M6-M10 |
| Speed | rpm | 240 | 240 |
| Max. tightening torque | Nm | 120 | 120 |
| Max. tightening torque | ft-lb | 90 | 90 |
| Rec. working torque | Nm | 15-100 | 15-100 |
| Rec. working torque | ft-lb | 11.2-75 | 11.2-75 |
| Sound level (ISO 8662-7) | dB (A) | 92 | 92 |
| Vibration (ISO 15744:1999) | m/s ² | 3.5 | 3.5 |
| Rec. hose dimension | inch | $\frac{5}{16}$ | $\frac{5}{16}$ |
| Connection thread | G (R) | $\frac{1}{4}$ | $\frac{1}{4}$ |
| Air consumption 100% int.* | l/min | 755 | 755 |
| Air consumption 15% int.* | l/min | 113 | 113 |
| Air consumption 100% int.* | l/s | 12.6 | 12.6 |
| Air consumption 15% int.* | l/s | 1.9 | 1.9 |
| Length | mm | 330 | 330 |
| Weight machine | kg | 1.35 | 1.35 |
| Weight set | kg | 3.3 | 3.3 |

* At 6.2 bar.

Air drills

Luna. A small, lightweight and flexible drilling machine which makes it extremely easy-to-use. Well suited for maintenance and service work as you can easily access confined areas. Ergonomically designed handle which insulated against the cold and vibrations. Exhaust handle. Swivel air intake 360°. Non reversing. Supplied with chuck key.

| Art. no. | 20638 | -0107 |
|--|------------------|---------|
| Luna | No | AD6.5KC |
| Drill capacity | mm | 6.5 |
| Speed | rpm | 2800 |
| Spindle thread | UNF | 3/8x24 |
| Noise level (according to CEN/TC 255 N 81) | dB (A) | 84 |
| Vibrations (according to ISO 5349) | m/s ² | 0.4 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 420 |
| Air consumption at 20% duty cycle.* | l/min | 84 |
| Air consumption at 10% duty cycle.* | l/s | 7.0 |
| Air consumption at 20% duty cycle.* | l/s | 1.4 |
| Weight | kg | 0.6 |

* At 6.2 bar.



Luna. Gun model reversible. Suitable for maintenance and service work. Variable throttle and easily accessible control. Ergonomically designed handle which insulated against the cold and vibrations. Exhaust handle. Swivel air intake 360°. For both right and left hand use. Reversing. A display is supplied when ordering 5 drilling machines.

20639-0106 supplied with key chuck.

20639-0205 supplied with quick chuck.

| Art. no. | 20639 | -0106 | -0205 |
|--|------------------|--------|--------|
| Luna | No | AD10KC | AD10QC |
| Chuck capacity | mm | 10 | 10 |
| Chuck | type | key | quick |
| Speed | rpm | 1800 | 1800 |
| Spindle thread | UNF | 3/8x24 | 3/8x24 |
| Noise level (according to CEN/TC 255 N 81) | dB (A) | 82 | 82 |
| Vibrations (according to ISO 5349) | m/s ² | 0.8 | 0.8 |
| Rec. hose dimension | inch | 3/8 | 3/8 |
| Connection thread | G (R) | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 550 | 550 |
| Air consumption at 20% duty cycle.* | l/min | 110 | 110 |
| Air consumption at 100% duty cycle.* | l/s | 9.2 | 9.2 |
| Air consumption at 20% duty cycle.* | l/s | 1.8 | 1.8 |
| Weight | kg | 1.3 | 1.4 |
| Pack. | qty | 5 | 5 |

Side handle

* At 6.2 bar.

20640

-1002

-1002



20639-0106



20639-0205

Luna. Sets containing drilling machine and drill sets. The machine has an ergonomic throttle integrated in the handle, for both right and left-hand use. Switching button for right or left-hand rotation on top of the machine. Variable speed adjustment. 360° swivel air connection. Exhaust handle.

Supplied in plastic case with drill set of 24 drills, 1-10 mm in 0.5 mm increments (3 each of 1.0, 1.5, 2.0 and 2.5 mm), 1 air lubricator, a centre punch and a support handle.

20806-0103 Supplied with key chuck.

20806-0202 Supplied with quick chuck.

| Art. no. | 20806 | -0103 | -0202 |
|---|------------------|----------|----------|
| Luna | No | AD10KC-S | AD10QC-S |
| Drill capacity | mm | 10 | 10 |
| Speed | rpm | 1800 | 1800 |
| Spindle thread | UNF | 3/8x24 | 3/8x24 |
| Noise level (according to CEN/TC 255 N81) | dB (A) | 82 | 82 |
| Vibrations (according to ISO 5349) | m/s ² | 0.8 | 0.8 |
| Rec. hose dimension | inch | 3/8 | 3/8 |
| Connection thread | G (R) | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 550 | 550 |
| Air consumption at 20% duty cycle.* | l/min | 110 | 110 |
| Air consumption at 100% duty cycle.* | l/s | 9.2 | 9.2 |
| Air consumption at 20% duty cycle.* | l/s | 1.8 | 1.8 |
| Machine weight | kg | 1.3 | 1.4 |

Accessories

Support handle 20640

* At 6.2 bar.

-1002

-1002



20806-0103



20806-0202

Compressed air tools

Air drills



20640-0103



20640-0202

Luna. Gun model reversible. Suitable for maintenance and service work. Variable throttle and easily accessible control. Ergonomically designed handle which insulated against the cold and vibrations. Air discharge through the handle. Swivel air intake 360°.

With support handle.

20640-0103 supplied with key chuck.

20640-0202 supplied with quick chuck.

| Art. no. | 20640 | -0103 | -0202 |
|--|------------------|-------------------------|-------------------------|
| Luna | No | AD13KC | AD13QC |
| Chuck capacity | mm | 13 | 13 |
| Speed | rpm | 800 | 800 |
| Spindle thread | UNF | $\frac{3}{8} \times 24$ | $\frac{3}{8} \times 24$ |
| Noise level (according to CEN/TC 255 N 81) | dB (A) | 79 | 79 |
| Vibrations (according to ISO 5349) | m/s ² | 0.7 | 0.7 |
| Rec. hose dimension | inch | $\frac{3}{8}$ | $\frac{3}{8}$ |
| Connection thread | G (R) | $\frac{1}{4}$ | $\frac{1}{4}$ |
| Air consumption at 100% duty cycle.* | l/min | 635 | 635 |
| Air consumption at 20% duty cycle.* | l/min | 127 | 127 |
| Air consumption at 100% duty cycle.* | l/s | 10.6 | 10.6 |
| Air consumption at 20% duty cycle.* | l/s | 2.1 | 2.1 |
| Weight | kg | 1.6 | 1.7 |
| Accessories: | | | |
| Support handle | 20640 | -1002 | -1002 |

* At 6.2 bar.



Luna. Straight model with the throttle integrated in the handle. For both left and right-hand use. Variable speed control. Swivel 360° air connection. Ergonomically designed handle which insulated against the cold and vibrations. Exhaust handle. Non reversing. Equipped with quick chuck for quick shifting between different drill diameters and support handle.

| Art. no. | 20810 | -0107 |
|---|------------------|-------------------------|
| Luna | No | ADS10KC |
| Drill capacity | mm | 10 |
| Speed | rpm | 1800 |
| Spindle thread | UNF | $\frac{3}{8} \times 24$ |
| Noise level (according to CEN/TC 255 N81) | dB (A) | 82 |
| Vibrations (according to ISO 5349) | m/s ² | 0.8 |
| Rec. hose dimension | inch | $\frac{3}{8}$ |
| Connection thread | G (R) | $\frac{1}{4}$ |
| Air consumption at 100% duty cycle.* | l/min | 550 |
| Air consumption at 20% duty cycle.* | l/min | 110 |
| Air consumption at 100% duty cycle.* | l/s | 9.2 |
| Air consumption at 20% duty cycle.* | l/s | 1.8 |
| Weight | kg | 1.3 |
| Accessories: | | |
| Support handle | 20810 | -0503 |

* At 6.2 bar.

Air screwdrivers

Luna. Pistol model in reversible design. Ergonomically designed handle which insulated against the cold and vibrations. Variable speed adjustment. 360° swivel hose connection. Exhaust air is led off through the handle. Equipped with adjustable claw coupling which releases at the full tightening torque. Can be adjusted from the outside. Claw coupling is not affected when loosening screws but works at full power. Starts automatically when applied to the screw when the throttle is held in. For garages and other workshops. Developed for professional workshop use. Supplied with 3 different torque springs.



| Art. no. | 20775 | -0100 |
|--------------------------------------|------------------|----------|
| Luna | No | ASD6-800 |
| For bits with -drive (design 4) | inch | 1/4 |
| Screw capacity | mm | 6 |
| Speed | rpm | 800 |
| Torque | Nm | 1.1-14.6 |
| Sound level (CEN/TC 255 N81) | dB (A) | 82 |
| Vibration (ISO 5349) | m/s ² | 0.7 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 555 |
| Air consumption at 20% duty cycle.* | l/min | 111 |
| Air consumption at 100% duty cycle.* | l/s | 9.3 |
| Air consumption at 20% duty cycle.* | l/s | 1.9 |
| Weight | kg | 0.95 |

* At 6.2 bar.

Luna. Straight model in reversible design. 360° swivel hose connection. Ergonomic handle, which insulates against cold air and vibrations. Exhaust handle. Equipped with dog clutch and a suspension eye. Starts automatic when applied on the screw. Developed for professional use. Supplied with 3 springs for different torque.



| Art. no. | 20028 | -0105 |
|--------------------------------------|------------------|----------|
| Luna | No | ASDS6-11 |
| For bits with -drive (design 4) | inch | 1/4 |
| Screw capacity | mm | 6 |
| Speed | rpm | 1100 |
| Torque | Nm | 0.4-4.5 |
| Sound level (EN ISO15744:2002) | dB (A) | 84 |
| Vibration (EN 28662-1) | m/s ² | 0.5 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 565 |
| Air consumption at 20% duty cycle.* | l/min | 113 |
| Air consumption at 100% duty cycle.* | l/s | 9.4 |
| Air consumption at 20% duty cycle.* | l/s | 1.9 |
| Weight | kg | 0.7 |

* At 6.2 bar.

Die grinders

Micro model

Luna. Straight micro model for rotary burrs and mounted points. High speed model. For shank diameter 3 mm. Equipped with variable speed control and 360° swivel air intake. Easy-to-use. Supplied as standard with 3 mm collet, 1.5 m connection hose incl. 0.3 m return air hose.



| Art. no. | 20740 | -0102 | -0201 |
|--------------------------------------|------------------|-------|--------|
| Luna | No | ADH54 | ADGH70 |
| For max. shank diameter | mm | 3 | 3 |
| Speed | rpm | 54000 | 70000 |
| Sound level (PNEUROP PN8NTC1) | dB (A) | 78 | 81 |
| Vibration (ISO 8862) | m/s ² | 2.0 | 2.0 |
| Rec. hose dimension | inch | 5/16 | 5/16 |
| Connection thread | G (R) | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 160 | 160 |
| Air consumption at 40% duty cycle.* | l/min | 64 | 64 |
| Air consumption at 100% duty cycle.* | l/s | 2.7 | 2.7 |
| Air consumption at 40% duty cycle.* | l/s | 1.1 | 1.1 |
| Length | mm | 137 | 137 |
| Weight | kg | 0.2 | 0.2 |

Accessories

| | | | |
|-------------|-------|-------|-------|
| Collet 3 mm | 20740 | -0508 | -0508 |
|-------------|-------|-------|-------|

* At 6.2 bar.

Die grinders

Mini



Luna. Straight mini model for rotary burs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides good comfort to the user while working. Easy to use in confined areas. Supplied with 3 and 6 mm collets plus 1/4".

| | | |
|--|------------------|--------------|
| Art. no. | 20737 | -0107 |
| Luna | No | ADG25 |
| For shank diameter | mm/inch | 3 / 6 / 1/4 |
| Speed | rpm | 25000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 83 |
| Vibration (ISO 5349) | m/s ² | 3.6 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 330 |
| Air consumption at 40% duty cycle.* | l/min | 132 |
| Air consumption at 100% duty cycle.* | l/s | 5.5 |
| Air consumption at 40% duty cycle.* | l/s | 2.2 |
| Output | W | 224 |
| Length | mm | 160 |
| Weight | kg | 0.4 |
| Accessories | | |
| Collet 3 mm | 20736 | -0504 |
| Collet 6 mm | 20736 | -0603 |
| Collet 1/4" | 20736 | -0702 |

* At 6.2 bar.



Luna. Straight mini model in kit for rotary burs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Designed for easy use and with rubber handle that insulates against the cold and good user comfort during use.

Supplied med 5 x 3 mm grinding stones, 5 x 6 mm grinding stones, 3 and 6 mm plus 1/4" chuck collets, 1 x mist lubricator and 2 x spanners.

| | | |
|--|------------------|--------------|
| Art. no. | 20739 | -0105 |
| Luna | No | ADG25-S |
| For shank diameter | mm/inch | 3 / 6 / 1/4 |
| Speed | rpm | 25000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 86 |
| Vibration (ISO 5349) | m/s ² | 3.6 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 330 |
| Air consumption at 40% duty cycle.* | l/min | 132 |
| Air consumption at 100% duty cycle.* | l/s | 5.5 |
| Air consumption at 40% duty cycle.* | l/s | 2.2 |
| Output | W | 224 |
| Length | mm | 160 |
| Machine weight | kg | 0.4 |
| Accessories | | |
| Collet 3 mm | 20736 | -0504 |
| Collet 6 mm | 20736 | -0603 |
| Collet 1/4" | 20736 | -0702 |

* At 6.2 bar.

Die grinders

Mini - Extended

Luna. Straight mini model with extended drive for rotary burs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel air intake. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides the user with good comfort while working. Good access in confined areas. Supplied as standard with 3 chuck collets - 3 and 6 mm and 1/4".



| | | |
|--|------------------|--------------|
| Art. no. | 20742 | -0100 |
| Luna | No | ADGE25 |
| For shank diameter | mm/inch | 3 / 6 / 1/4 |
| Speed | rpm | 25000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 88.0 |
| Vibration (ISO 5349) | m/s ² | 3.6 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 330 |
| Air consumption at 40% duty cycle.* | l/min | 132 |
| Air consumption at 100% duty cycle.* | l/s | 5.5 |
| Air consumption at 40% duty cycle.* | l/s | 2.2 |
| Output | W | 224 |
| Length | mm | 255 |
| Weight | kg | 0.7 |
| Accessories | | |
| Collet 3 mm | 20736 | -0504 |
| Collet 6 mm | 20736 | -0603 |
| Collet 1/4" | 20736 | -0702 |

* At 6.2 bar.

Mini - 90°

Luna. Angled mini model 90° for rotary burs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides the user with good comfort while working. Easy to use in confined areas. Supplied with 3 and 6 mm collets and 1/4".



| | | |
|--|------------------|--------------|
| Art. no. | 20738 | -0106 |
| Luna | No | ADG22-90 |
| For shank diameter | mm/inch | 3 / 6 / 1/4 |
| Speed | rpm | 22000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 93 |
| Vibration (ISO 5349) | m/s ² | 2.5 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 330 |
| Air consumption at 40% duty cycle.* | l/min | 132 |
| Air consumption at 100% duty cycle.* | l/s | 5.5 |
| Air consumption at 40% duty cycle.* | l/s | 2.2 |
| Output | W | 224 |
| Length | mm | 165 |
| A-measurement (see diagram) | mm | 9.5 |
| B-measurement (see diagram) | mm | 75 |
| Weight | kg | 0.5 |
| Accessories | | |
| Collet 3 mm | 20736 | -0504 |
| Collet 6 mm | 20736 | -0603 |
| Collet 1/4" | 20736 | -0702 |

* At 6.2 bar.

Die grinders

Mini - 115°



Luna. Angled mini model 115° for rotary burrs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides the user with good comfort while working. Easy-to-use in confined areas. Supplied with 3 and 6 mm collets and 1/4".

| | | |
|--|------------------|--------------|
| Art. no. | 20741 | -0101 |
| Luna | No | ADG22-115 |
| For shank diameter..... | mm/inch | 3 / 6 / 1/4 |
| Speed | rpm | 22000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 100 |
| Vibration (ISO 5349) | m/s ² | 6.9 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 330 |
| Air consumption at 40% duty cycle.* | l/min | 132 |
| Air consumption at 100% duty cycle.* | l/s | 5.5 |
| Air consumption at 40% duty cycle.* | l/s | 2.2 |
| Output | W | 224 |
| Length | mm | 165 |
| A-measurement (see diagram) | mm | 9.5 |
| B-measurement (see diagram) | mm | 75 |
| Weight | kg | 0.5 |
| Accessories | | |
| Collet 3 mm | 20736 | -0504 |
| Collet 6 mm | 20736 | -0603 |
| Collet 1/4" | 20736 | -0702 |

* At 6.2 bar.

Midi



Luna. Straight midi model for rotary burrs and mounted points. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold and vibrations and provides good comfort to the user while working. Easy to use in confined areas. Supplied with 3 and 6 mm collets plus 1/4".

| | | |
|--|------------------|--------------|
| Art. no. | 20736 | -0108 |
| Luna | No | ADG22 |
| For shank diameter..... | mm/inch | 3 / 6 / 1/4 |
| Speed | rpm | 22000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 91.0 |
| Vibration (ISO 5349) | m/s ² | 2.5 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 550 |
| Air consumption at 40% duty cycle.* | l/min | 220 |
| Air consumption at 100% duty cycle.* | l/s | 9.2 |
| Air consumption at 40% duty cycle.* | l/s | 3.7 |
| Output | W | 373 |
| Length | mm | 165 |
| Weight | kg | 0.65 |
| Accessories | | |
| Collet 3 mm | 20736 | -0504 |
| Collet 6 mm | 20736 | -0603 |
| Collet 1/4" | 20736 | -0702 |

* At 6.2 bar.

Die grinders

Maxi

Luna. Straight maxi model type "High-Power" for rotary burrs and mounted points. A very strong machine for powerful applications. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel air intake. Equipped with ergonomic rubber handle which is insulated against the cold and provides the user with good comfort while working. Supplied as standard with 3 chuck collets: 3 and 6 mm plus 1/4".



| | | |
|--|------------------|--------------|
| Art. no. | 20026 | -0107 |
| Luna | No | ADG20-HP |
| For shank diameter | mm/inch | 3 / 6 / 1/4" |
| Speed | rpm | 20000 |
| Sound level (EN ISO15744:2002) | dB (A) | 85 |
| Vibration (EN 28662-1) | m/s ² | 1.2 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 320 |
| Air consumption at 40% duty cycle.* | l/min | 128 |
| Air consumption at 100% duty cycle.* | l/s | 5.3 |
| Air consumption at 40% duty cycle.* | l/s | 2.1 |
| Output | W | 750 |
| Length | mm | 208 |
| Weight | kg | 1.0 |
| Accessories | | |
| Collet 3 mm | 20026 | -0503 |
| Collet 6 mm | 20026 | -0602 |
| Collet 1/4" | 20026 | -0701 |

* At 6.2 bar.

Maxi - extended

Luna. Straight extended, "high power" model for rotary burrs and mounted points. A very strong machine for powerful applications. For shank diameters 3, 6 and 8 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold provides the user with good comfort while working.



Supplied as standard with chuck collets 3, 6 and 8 mm plus 1/4".

| | | |
|--|------------------|------------------|
| Art. no. | 20250 | -0104 |
| Luna | No | ADGE18-HP |
| For shank diameter | mm | 3 / 6 / 8 / 1/4" |
| Speed | rpm | 18000 |
| Sound level (EN ISO 15744:2002) | dB (A) | 90 |
| Vibration (IEN 28662-1) | m/s ² | 0.4 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 320 |
| Air consumption at 40% duty cycle.* | l/min | 128 |
| Air consumption at 100% duty cycle.* | l/s | 5.3 |
| Air consumption at 40% duty cycle.* | l/s | 2.1 |
| Output | W | 750 |
| Length | mm | 330 |
| Weight | kg | 1.1 |
| Accessories | | |
| Collet 3 mm | 20026 | -0503 |
| Collet 6 mm | 20026 | -0602 |
| Collet 8 mm | 20026 | -0651 |
| Collet 1/4" | 20026 | -0701 |

* At 6.2 bar.

Die grinders

Maxi - 90°



Luna. Angled model 90° type "High-Power" for rotary burrs and mounted points. A very strong machine for powerful applications. For shank diameter 3 and 6 mm plus 1/4". Equipped with rear exhaust air, safety throttle that prevents unintentional starting, integrated speed control and 360° swivel hose connection. Equipped with ergonomic rubber handle which is insulated against the cold provides the user with good comfort while working.

Supplied as standard with 3 chuck collets: 3 and 6 mm plus 1/4".

| | | |
|--|------------------|--------------|
| Art. no. | 20027 | -0106 |
| Luna | No | ADG12-90HP |
| For shank diameter | mm/inch | 3 / 6 / 1/4" |
| Speed | rpm | 12000 |
| Sound level (EN ISO15744:2002) | dB (A) | 89 |
| Vibration (EN 28662-1) | m/s ² | 1.7 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 320 |
| Air consumption at 40% duty cycle.* | l/min | 128 |
| Air consumption at 100% duty cycle.* | l/s | 5.3 |
| Air consumption at 40% duty cycle.* | l/s | 2.1 |
| Output | W | 750 |
| Length | mm | 232 |
| Weight | kg | 1.0 |
| Accessories | | |
| Collet 3 mm | 20026 | -0503 |
| Collet 6 mm | 20026 | -0602 |
| Collet 1/4" | 20026 | -0701 |

* At 6.2 bar.

Belt sanders



20773-0102



20773-0201

Luna. The handle swivels through 360° in relation to the grinding arm. 360° swivel air connection. Ergonomically designed handle which insulated against the cold and vibrations. Rear, sound dampened air discharge. Suitable for grinding in areas difficult to access as in internal areas and in corners on metal, plastic and wood. With safety throttle. Developed for professional workshop use.

20773-0102 Supplied with grinding arms for 6 and 10 mm wide abrasive belts and 4 abrasive belts.

20773-0201 Supplied with grinding arms for 20 mm wide abrasive belts and 2 abrasive belts.

| | | | |
|--|------------------|--------------|--------------|
| Art. no. | 20773 | -0102 | -0201 |
| Luna | No | AB6/10 | AB20 |
| For abrasive belts | mm | 6 / 10 x 330 | 20 x 520 |
| Speed | rpm | 18 000 | 16 000 |
| Sound level (CEN/TC 255 N811) | dB (A) | 82 | 84 |
| Vibration (ISO 5349) | m/s ² | 3.1 | 3.1 |
| Rec. hose dimension | inch | 3/8 | 3/8 |
| Connection thread | G (R) | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 630 | 740 |
| Air consumption at 50% duty cycle.* | l/min | 315 | 370 |
| Air consumption at 100% duty cycle.* | l/s | 10.5 | 12.3 |
| Air consumption at 50% duty cycle.* | l/s | 5.3 | 6.2 |
| Length | mm | 285 | 355 |
| Weight | kg | 0.9 | 1.5 |

* At 6.2 bar.

Random orbital sanders

Luna. Easy to handle and effective grinding machines with oscillating rotating motion. One-hand grip. For sandpaper with **Velcro back**. Rear exhaust air flow with muffler. 360° swivel hose connection. Variable speed control. Developed for professional workshop use. Ergonomic motor housing of composite material, which insulates against the cold. With lever arm throttle, which is activated by pressing it into the motor housing for good comfort.

20248-0109 Without extraction device. Supplied with back-up pad with Velcro back and suction hose and dust bag.

20248-0208 With extraction device. Supplied with back-up pad with Velcro back and suction hose and dust bag.

20248-0307 For connection to central extractor. Supplied with back-up pad with Velcro back.

| Art. no. | 20248 | -0109 | -0208 | -0307 |
|--|------------------|-----------|-----------|-----------|
| Luna | No | AOG130 | AOG130DB | AOG130CV |
| Grinding plate diameter | mm | 130x80 | 130x80 | 130x80 |
| Suitable abrasive sheets | mm | 133x80 | 133x80 | 133x80 |
| Speed | rpm | 10000 | 10000 | 10000 |
| Eccentric motion | mm | 2.5 | 2.5 | 2.5 |
| Sound level (EN ISO 15744:2002) | dB (A) | 78 | 83 | 78 |
| Vibration (ISO 8662-8:1997) | m/s ² | 3.0 | 3.0 | 3.0 |
| Rec. hose dimension | inch | 3/8 | 3/8 | 3/8 |
| Connection thread | G (R) | 1/4 | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 510 | 510 | 510 |
| Air consumption at 50% duty cycle.* | l/min | 255 | 255 | 255 |
| Air consumption at 100% duty cycle.* | l/s | 8.5 | 8.5 | 8.5 |
| Air consumption at 50% duty cycle.* | l/s | 4.3 | 4.3 | 4.3 |
| Dimensions | mm | 168x80x92 | 220x80x92 | 205x80x92 |
| Weight | kg | 0.68 | 0.72 | 0.73 |

Accessories:

| | | | | |
|--|-------|-------|-------|-------|
| Backing pad 130x80 - Velcro back. | 20248 | -1008 | -1107 | -1107 |
| Suction hose 1.75 m | 20749 | - | -0707 | - |
| Dust bag | 20749 | - | -0806 | - |

* At 6.2 bar.



20248-0109



20248-0208



20248-0307



20749-0103



20749-0202



20749-0301

Luna. Easy to handle and effective grinding machines with eccentric rotating motion. One-hand grip. For sandpaper discs. With **Velcro back**. Rear exhaust air flow with muffler. 360° swivel hose connection. Variable speed control. Developed for professional workshop use. Ergonomic motor housing of composite material, which insulates against the cold. With lever arm throttle, which is activated by pressing it into the motor housing.

20749-0103 Without extraction device. Supplied with back-up pad with Velcro back.

20749-0202 With extraction device. Supplied with back-up pad with Velcro back and suction hose and dust bag.

20749-0301 For connection to central extractor. Supplied with back-up pad with Velcro back.

| Art. no. | 20749 | -0103 | -0202 | -0301 |
|--|------------------|---------|---------|---------|
| Luna | No | AEX12 | AEX12DB | AEX12CV |
| Back-up pad diameter | mm | 150 | 150 | 150 |
| Speed | rpm | 12000 | 12000 | 12000 |
| Spindle thread female | UNF | 5/16x24 | 5/16x24 | 5/16x24 |
| Eccentric motion | mm | 5 | 5 | 5 |
| Sound level (EN ISO 15744) | dB (A) | 82 | 82 | 82 |
| Vibration (ISO 8662-8) | m/s ² | 2.4 | 2.4 | 2.4 |
| Rec. hose dimension | inch | 3/8 | 3/8 | 3/8 |
| Connection thread | G (R) | 1/4 | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 300 | 300 | 300 |
| Air consumption at 50% duty cycle.* | l/min | 150 | 150 | 150 |
| Air consumption at 100% duty cycle.* | l/s | 5.0 | 5.0 | 5.0 |
| Air consumption at 50% duty cycle.* | l/s | 2.5 | 2.5 | 2.5 |
| Weight | kg | 0.9 | 0.9 | 0.9 |

Accessories:

| | | | | |
|---|-------|-------|-------|-------|
| Back-up pad 150 mm with Velcro back. | 20749 | -0509 | -0509 | -0509 |
| Back-up pad 150 mm - self-adhesive | 20749 | -0608 | -0608 | -0608 |
| Suction hose 1.75 m | 20749 | - | -0707 | - |
| Dust bag | 20749 | - | -0806 | - |

* At 6.2 bar.



Angle grinders

Luna. Intended for depressed centre wheels and cut-off wheels. Ergonomically designed handle which insulated against the cold and vibrations. Air discharge through the handle. Safety throttle. 360° swivel hose connection. Developed for professional workshop use. With guard, adjustable in 9 different positions. Side handle with vibration damping. M14 flange washer for easy switching of depressed centre wheels and cut-off wheels available as an accessory. Spindle lock. One depressed centre wheel is supplied as standard.

| | | | |
|--|------------------|--------------|--------------|
| Art. no. | 20777 | -0108 | -0207 |
| Luna | No | AAG115 | AAG125 |
| For depressed centre wheels | mm | 115x22 | 125x22 |
| Spindle thread | | M 14 | M 14 |
| Speed | rpm | 10000 | 10000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 82 | 82 |
| Vibration (ISO 5349) | m/s ² | 2.4 | 2.4 |
| Rec. hose dimension | inch | 3/8 | 3/8 |
| Connection thread | G (R) | 1/4 | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 450 | 450 |
| Air consumption at 50% duty cycle.* | l/min | 225 | 225 |
| Air consumption at 100% duty cycle.* | l/s | 7.5 | 7.5 |
| Air consumption at 50% duty cycle.* | l/s | 3.8 | 3.8 |
| Output | W | 560 | 560 |
| Weight | kg | 1.9 | 1.9 |
| Accessories: | | | |
| Hand operated flange nut M14 | 20777 | -0504 | -0504 |

* At 6.2 bar.

Cut-off tools



Luna. Intended for cut-off discs. Ergonomically designed throttle integrated in the handle, which insulates against the cold and vibrations. Safety throttle. 360° swivel hose connection. Exhaust handle. Developed for professional workshop use. Equipped with guard above the cut-off disc and with speed control.

| | | |
|--|------------------|--------------|
| Art. no. | 20778 | -0107 |
| Luna | No | ACO80 |
| For cutting discs | mm | 80x2x10 |
| Spindle thread | UNC | 3/8 - 24 |
| Speed | rpm | 20 000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 85 |
| Vibration (ISO 5349) | m/s ² | 1.6 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 10% duty cycle.* | l/min | 432 |
| Air consumption at 40% duty cycle.* | l/min | 173 |
| Air consumption at 100% duty cycle.* | l/s | 7.2 |
| Air consumption at 40% duty cycle.* | l/s | 2.9 |
| Weight | kg | 0.9 |

* At 6.2 bar.



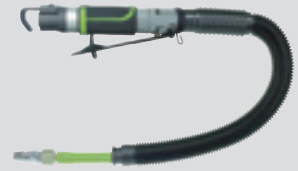
Luna. Intended for cut-off discs. **Reversible direction of rotation** for better use by both right and left-hand users and better control of spark formation. Ergonomic trigger integrated in the handle, which insulates against cold air and vibrations. Safety throttle. 360° swivel hose connection. Exhaust handle. Developed for professional workshop use. Equipped with guard above the cut-off disc and with speed control.

| | | |
|--|------------------|--------------|
| Art. no. | 20029 | -0104 |
| Luna | No | ACO80-R |
| For cutting discs Ø | mm | 80x2x10 |
| Spindle thread | UNC | 3/8 - 24 |
| Speed | rpm | 16000 |
| Sound level (EN ISO15744:2002) | dB (A) | 98 |
| Vibration (EN 28662-1) | m/s ² | 0.5 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 10% duty cycle.* | l/min | 432 |
| Air consumption at 40% duty cycle.* | l/min | 173 |
| Air consumption at 100% duty cycle.* | l/s | 7.2 |
| Air consumption at 40% duty cycle.* | l/s | 2.9 |
| Weight | kg | 0.9 |

* At 6.2 bar.

Sheet-metal saws

Luna. Micro Model. An effective plate saw for many application areas. Useable for several materials including sheet metal, aluminium, copper, plastic, wood etc. Ergonomically designed handle which insulates against the cold and vibrations. Exhaust handle. Discharge hose that reduces the noise and leads the exhaust air from the work piece. Adjustable blade support. Can be used with broken hacksaw blades. Equipped with safety throttle and swivel air connection. Supplied with 3 saw blades - with 18, 24 and 32 teeth/inch.



| | | |
|--|------------------|--------------|
| Art. no. | 20868 | -0108 |
| Luna | No | ASM2.0 |
| Stroke length | mm | 5 |
| Number of strokes | per minute | 7500 |
| Saw depth in steel | mm | 2.0 |
| Saw depth in aluminium..... | mm | 3.4 |
| Saw depth in wood | mm | 4.0 |
| Sound level (PNEUROP PN8NTC1) | dB (A) | 87 |
| Vibration (ISO 8862 PARTS 1 and 12) | m/s ² | 6.6 |
| Rec. hose dimension | inch | 5/16 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 280 |
| Air consumption at 40% duty cycle.* | l/min | 112 |
| Air consumption at 100% duty cycle.* | l/s | 4.7 |
| Air consumption at 40% duty cycle.* | l/s | 1.9 |
| Length | mm | 175 |
| Machine weight | kg | 0.44 |

Accessories

| | | |
|--|--------------|--------------|
| Metal saw blade 14 tpi/inch (5) | 20869 | -0305 |
| Metal saw blade 18 tpi/inch (5) | 20869 | -0404 |
| Metal saw blade 24 tpi/inch (5) | 20869 | -0503 |
| Metal saw blade 32 tpi/inch (5) | 20869 | -0602 |

* At 6.2 bar.

Luna. A robust plate saw for powerful sawing. Useable for several materials including sheet metal, aluminium, copper, plastic, wood etc. Ergonomically designed handle which insulated against the cold and vibrations. Exhaust handle. Discharge hose that reduces the noise and leads the exhaust air from the work piece. Adjustable blade support. Variable speed adjustment. Can be used with broken hacksaw blades. Equipped with safety throttle and swivel air connection. Supplied with 3 saw blades - with 18, 24 and 32 teeth/inch.



| | | |
|--|------------------|--------------|
| Art. no. | 20869 | -0107 |
| Luna | No | ASL3.0 |
| Stroke length | mm | 10 |
| Number of strokes | per minute | 5000 |
| Saw depth in steel | mm | 3.0 |
| Saw depth in aluminium..... | mm | 4.0 |
| Saw depth in wood | mm | 5.0 |
| Sound level (PNEUROP PN8NTC1) | dB (A) | 91 |
| Vibration (ISO 8862 PARTS 1 and 2)..... | m/s ² | 6.6 |
| Rec. hose dimension | inch | 5/16 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 280 |
| Air consumption at 40% duty cycle.* | l/min | 112 |
| Air consumption at 100% duty cycle.* | l/s | 4.7 |
| Air consumption at 40% duty cycle.* | l/s | 1.9 |
| Length | mm | 230 |
| Machine weight | kg | 0.96 |

Accessories

| | | |
|--|--------------|--------------|
| Metal saw blade 14 tpi/inch (5) | 20869 | -0305 |
| Metal saw blade 18 tpi/inch (5) | 20869 | -0404 |
| Metal saw blade 24 tpi/inch (5) | 20869 | -0503 |
| Metal saw blade 32 tpi/inch (5) | 20869 | -0602 |

* At 6.2 bar.

Chisel hammers

Luna. Easy to use chisel hammer in gun model. With chisel fittings for both round and hexagon chisels. Ergonomic, variable throttle built into the handle. The handle has a patented stroke reduction mechanism - reduced vibrations and insulates against cold air. 360° swivel hose connection. Exhaust handle. Intended for garages and mechanical workshops. Developed for professional use.



Chisel set



Dressing chisel



Flat chisel 21 mm



Flat chisel 35 mm



Spot weld chisel



Cant chisel



Cutting chisel

| | | |
|--|------------------|--------------|
| Art. no. | 20774 | -0101 |
| Luna | No | ACH10.2 |
| Tool attachment \odot / \circ | mm | 10.2 |
| Number of strokes | per min | 2900-3100 |
| Stroke length | mm | 67 |
| Noise level (according to BS EN 15744) | dB (A) | 102.8 |
| Vibrations (according to ISO 8662-9) | m/s ² | 4.98 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 636 |
| Air consumption at 20% duty cycle.* | l/min | 127 |
| Air consumption at 100% duty cycle.* | l/s | 10.6 |
| Air consumption at 20% duty cycle.* | l/s | 2.1 |
| Total length | mm | 212 |
| Weight | kg | 1.8 |

Accessories

Art. no.
20774

Chisel retainer spring (standard)
Quick chuck

-0507
-0606

Chisels 7" with round fitting.

Chisel set - round fitting (10)
Dressing chisel
Flat chisel 21 mm
Flat chisel 35 mm
Spot weld chisel
Cant chisel
Cutting chisel

-1000
-1109
-1208
-1307
-1406
-1505
-1604

Chisels 7" with hexagonal fitting

Chisel set - hexagonal fitting (10)
Dressing chisel
Flat chisel 21 mm
Flat chisel 35 mm
Spot weld chisel
Cant chisel
Cutting chisel

-1703
-1802
-1901
-2008
-2107
-2206
-2305

* At 6.2 bar.



Luna. Gun design. For both circular and hexagonal chisel drive. Ergonomically designed, variable trigger, integrated in the handle. The handle has a patented stroke reduction mechanism - reduced vibrations and insulates against cold air. Variable air control. 360° swivel hose connection. Exhaust handle. Intended for garages and mechanical workshops.

Content per set: 1 chisel hammer, 15 screwdrivers (7 with hexagonal drive, 8 with round drive), 1 quick chuck, 1 chisel holder spring and 1 air lubricator.

| | | |
|--|------------------|--------------|
| Art. no. | 20807 | -0102 |
| Luna | No | ACH10.2-S |
| Tool attachment \odot / \circ | mm | 10.2 |
| Number of strokes*..... | per min | 2900-3100 |
| Stroke length | mm | 67 |
| Sound level (BS EN 15744) | dB (A) | 102.8 |
| Vibration (ISO 8662-9) | m/s ² | 4.98 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 636 |
| Air consumption at 20% duty cycle.* | l/min | 127 |
| Air consumption at 100% duty cycle.* | l/s | 10.6 |
| Air consumption at 20% duty cycle.* | l/s | 2.1 |
| Total length | mm | 212 |
| Machine weight | kg | 1.8 |

* At 6.2 bar.

Cleaning hammer/Needle scaler

Luna. Straight model intended for cleaning work. With lever arm throttle and swivel air intake 360°. Forward directed air outlet. Suitable for professional use within offshore, automotive and mechanical workshops for the removal of paint, rust, weld joints and concrete. Quick chuck for chisels. Supplied as standard with chisel hammer and 3 chisels.



| | | |
|---|------------------|--------------|
| Art. no. | 20024 | -0109 |
| Luna..... | No | ACHS-S |
| Number of strokes*..... | per min | 4400 |
| Stroke length..... | mm | 33 |
| Sound level (EN ISO 15744)..... | dB (A) | 100.5 |
| Vibration (EN 28662-1 & EN 28662-5+A1)..... | m/s ² | 2.7 |
| Rec. hose dimension..... | inch | 3/8 |
| Connection thread..... | G (R) | 1/4 |
| Air consumption at 100% duty cycle.*..... | l/min | 360 |
| Air consumption at 20% duty cycle.*..... | l/min | 72 |
| Air consumption at 100% duty cycle.*..... | l/s | 6.0 |
| Air consumption at 20% duty cycle.*..... | l/s | 1.2 |
| Total length..... | mm | 340 |
| Weight..... | kg | 1.5 |
| Accessories | | |
| Flat chisel 20 mm | 20023 | -1009 |
| Angle chisel 35 mm | 20023 | -1108 |
| Dressing chisel | 20023 | -1207 |
| Needle equipment complete | 20023 | -1306 |
| Needle set 3 mm / x 12 | 20023 | -1405 |

* At 6 bar.

Luna. Straight model intended for cleaning work. Suitable for processing on uneven surfaces as the needles' mutual placement is adapted to the surface. With lever arm throttle and swivel air intake 360°. Forward directed air outlet. Suitable for professional use within offshore, automotive and mechanical workshops for the removal of paint, rust, weld joints and concrete.

Supplied with complete chisel hammer, needle equipment and 3 chisels.



| | | |
|--|------------------|--------------|
| Art. no. | 20023 | -0100 |
| Luna..... | No | ACHN19-S |
| Number of strokes*..... | per min | 4400 |
| Number of needles..... | ea. | 19 |
| Stroke length..... | mm | 33 |
| Needle diameter x length..... | mm | 3x180 |
| Sound level-Cleaning/Needles (EN ISO 15744)..... | dB (A) | 100.5/90.1 |
| Vibration-Cleaning/Needles (EN 28662-1 & EN 28662-5+A1)..... | m/s ² | 2.7/1.6 |
| Rec. hose dimension..... | inch | 3/8 |
| Connection thread..... | G (R) | 1/4 |
| Air consumption at 100% duty cycle.*..... | l/min | 360 |
| Air consumption at 20% duty cycle.*..... | l/min | 72 |
| Air consumption at 100% duty cycle.*..... | l/s | 6.0 |
| Air consumption at 20% duty cycle.*..... | l/s | 1.2 |
| Total length..... | mm | 400 |
| Weight..... | kg | 2.7 |
| Accessories | | |
| Flat chisel 20 mm | 20023 | -1009 |
| Angle chisel 35 mm | 20023 | -1108 |
| Dressing chisel | 20023 | -1207 |
| Needle equipment complete | 20023 | -1306 |
| Needle set 3 mm / x 19 | 20023 | -1405 |

* At 6 bar.



Needle scaler

Luna. Straight model intended for cleaning work. Suitable for processing on uneven surfaces as the needles' mutual placement is adapted to the surface. With lever arm throttle and swivel air intake 360°. Forward directed air outlet. Suitable for professional use within offshore, automotive and mechanical workshops for the removal of pain and rust. Supplied with complete needle equipment.

| | | |
|--|------------------|--------------|
| Art. no. | 20025 | -0108 |
| Luna | No | ANS12 |
| Number of strokes* | per min | 2800 |
| Number of needles | ea. | 12 |
| Stroke length | mm | 24 |
| Needle diameter x length | mm | 3x126 |
| Sound level (EN ISO 15744) | dB (A) | 88.7 |
| Vibration (EN 28662-1 & EN 28662-5+A1) | m/s ² | 3.8 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption 100% int.* | l/min | 300 |
| Air consumption 20% int.* | l/min | 60 |
| Air consumption 100% int.* | l/s | 5.0 |
| Air consumption 20% int.* | l/s | 1.0 |
| Total length | mm | 305 |
| Weight | kg | 1.1 |
| Accessories | | |
| Needle equipment complete | 20025 | -1007 |
| Needle set 3 mm / x 12 | 20025 | -1106 |

* At 6 bar.



Punch-/flange tool

Luna. Combined hole and punch tool for rational plate joining using only one tool. Thanks to the air-hydraulic-system the machine is silent and completely vibration free. The combination yoke can be swivelled through 360° for correct access and does not stretch the metal when folding. Gives equal folding for exact locking of the overlying sheet.

| | | |
|--|------------------|--------------|
| Art. no. | 20022 | -0101 |
| Luna | No | APFT-1.2 |
| Capacity in sheet | mm | 1.2 |
| Capacity in aluminium | mm | 2.0 |
| Fold - A | mm | 12 |
| Fold - B | mm | 5 |
| Edge - C (max) | mm | 8 |
| Working pressure | bar | 6.2 |
| Sound level (CEN/TC 255 N81) | dB (A) | 88.3 |
| Vibration (ISO 5349) | m/s ² | 0.95 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | litre/stroke | 0.5 |
| Air consumption at 40% duty cycle.* | litre/stroke | 0.2 |
| Length | mm | 260 |
| Weight | kg | 1.3 |

* At 6.2 bar.

Air shears

Luna. Lightweight and uncomplicated plate shears in gun model design. Ergonomically designed throttle integrated into the handle, insulated against the cold and vibrations. Variable speed adjustment. 360° swivel hose connection. Exhaust air through the handle. Developed for professional workshop use. Ideal for cutting thin sheet metal and aluminium sheet (not suitable for corrugated sheet). The cutting head revolves 360° which increase the possibility of a more comfortable and efficient working stance.

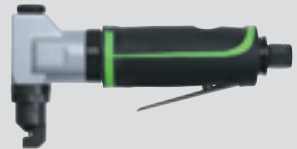


| | | |
|--|--------------|--------------|
| Art. no. | 20776 | -0109 |
| Luna | No | AS1.2 |
| Cuts max. steel plate | mm | 1.2 |
| Cuts max. aluminium sheet | mm | 1.6 |
| Sound level (CEN/TC 255 N81) | dB (A) | 82 |
| Vibration (ISO 5349) | mm | 1.1 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 383 |
| Air consumption at 40% duty cycle.* | l/min | 153 |
| Air consumption at 100% duty cycle.* | l/s | 6.4 |
| Air consumption at 40% duty cycle.* | l/s | 2.6 |
| Weight | kg | 0.95 |
| Accessories: | | |
| Extra cutting head | 20776 | -0505 |

* At 6.2 bar.

Air nibbler

Luna. Ergonomic rubber handle which is insulated against the cold and vibrations. Backward facing return air. 360° swivel hose connection. Plastic handle for good comfort. Adjustable speed control. Developed for professional workshop work. Adjustable punch - 45°. Designed for sheet metal, aluminium etc. Can also be used on corrugated sheet.



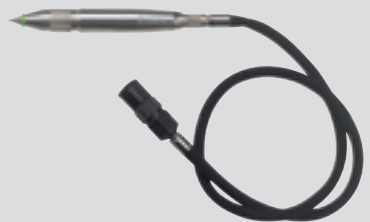
| | | |
|--|------------------|--------------|
| Art. no. | 20735 | -0109 |
| Luna | No | AN1.6 |
| Nibbler width | mm | 4.5 |
| Capacity in sheet metal | mm | 1.6 |
| Capacity in aluminium sheet | mm | 1.6 |
| Number of strokes | per minute | 3500 |
| Sound level (PNEURPO PN8NTC1) | dB (A) | 90 |
| Vibration (ISO 8862) | m/s ² | 4.3 |
| Rec. hose dimension | inch | 3/8 |
| Connection thread | G (R) | 1/4 |
| Air consumption at 100% duty cycle.* | l/min | 690 |
| Air consumption at 40% duty cycle.* | l/min | 276 |
| Air consumption at 100% duty cycle.* | l/s | 11.5 |
| Air consumption at 40% duty cycle.* | l/s | 4.6 |
| Length | mm | 200 |
| Weight | kg | 0.95 |
| Accessories: | | |
| Die | 20735 | -0406 |
| Punch | 20735 | -0505 |

* At 6.2 bar.

Engraving pens

Luna. With tungsten carbide tip. For engraving, clearing, chipping etc. Front exhaust. House of steel with knurling grip and on/off control. Developed for professional workshop applications. The pen is quite insensitive for pollutions in the compressed air and therefore only need a minimum of lubricate. Due to high frequency and small vibrations the pen is comfortable and suitable to use in material all from hard metal to soft plastic.

Supplied with 1.5 m hose equipped with 360° swivelling air intake.



| | | |
|--|------------------|--------------|
| Art. no. | 20794 | -0107 |
| Luna | No | AE13 |
| Working pressure | bar | 6 |
| Number of strokes adjustable up to | per min | 36000 |
| Sound level (CEN/TC 255 N81) | dB (A) | 90 |
| Vibration (ISO 5349) | m/s ² | 2.5 |
| Air inlet | G (R) | 1/4 |
| Air consumption* | l/min | 30 |
| Air consumption* | l/s | 0.5 |
| Weight | kg | 0.22 |
| Engraving tip | 20794 | -0503 |

* At 6.2 bar.

Test manometer



Luna. To check the right air flow from the compressor to the pneumatic tool. With large easy to read display swivelling 360° for easy handling.

20425-0104 Supplied without quick couplings and nipple.

20425-0203 Supplied as standard with Cejn 320 quick coupling and nipple.

20425-0302 Supplied as standard with Cejn 310 quick coupling and nipple.

| | | | | |
|-------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20425 | -0104 | -0203 | -0302 |
| Luna | No | ATG | ATG | ATG |
| Measurement range | bar | 0-10 | 0-10 | 0-10 |
| Pressure gauge diameter | mm | 55 | 55 | 55 |
| Connection thread | G (R) | 1/4 | 1/4 | 1/4 |
| Total length/height | mm | 80/120 | 125/120 | 125/120 |
| Weight complete | kg | 0.20 | 0.40 | 0.40 |

Tyre pressure testers



Luna. Air pressure tester. Mainly for car tyres. With gauge for min. tyre pressure 0.5 bar/7.5 PSI up to max. 3 bar/43 PSI. Very accurate and easy to read display. Reset button after measured pressure. Long straight model with metal pipe. Double sided pressure nozzle. Supplied with a hang up ring.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20826 | -0109 |
| Measuring range | bar | 0.5-3 |
| Measuring range | PSI | 7.5-43 |
| Overall length | mm | 235 |

Air pump with gauge



Luna. Air pump intended for car tyres, truck tyres, etc. 360° swivel pressure gauge for easy reading in different situations for both right and left-handed users. Easy-to-read with protective glass and shock-absorbing rubber ring. Two-step throttle. Step 1 air discharge. Step 2 filling of air. Ergonomic handle. Equipped with suspension ring attached to the hose. Swivel air valve equipped with locking catch. Developed for professional use.

| | | |
|-------------------------------|--------------|--------------|
| Art. no. | 20424 | -0105 |
| Luna | No | AIG-80 |
| Measurement range | bar | 0-12 |
| Pressure gauge diameter | mm | 80 |
| Connection thread | G (R) | 1/4 |
| Length | mm | 265 |
| Weight | kg | 0.65 |
| Accessories: | | |
| Pump nipple | 20424 | -1004 |

* At 6 bar.

Swivel

Luna. Universal. Swivelling double nipples. Keeps air hose straight and untwisted. Increases manoeuvre ability spaces. Plug for connection of pressure gauge. Developed for professional workshop applications.

20751-0207 supplied as standard with pressure gauge.

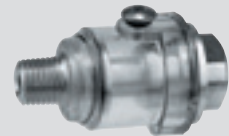
| | | | |
|--------------------------------------|--------------|--------------|--------------|
| Art. no. | 20751 | -0108 | -0207 |
| Air inlet/outlet - female/male | inch | 1/4 | 1/4 |
| Air flow | l/min | 750 | 750 |
| Air flow | l/s | 12.50 | 12.50 |
| Max. working pressure | bar | 10 | 10 |
| Art. no. | 20751 | -0306 | - |
| Air inlet/outlet - female/male | inch | 3/8 | - |
| Air flow | l/min | 1350 | - |
| Air flow | l/s | 22.5 | - |
| Max. working pressure | bar | 10 | - |
| Accessories: | | | |
| Pressure gauge | 20751 | -0504 | -0504 |



Air lubricator

Luna. Fitted on 1/4" hose connection threads to lubricate pneumatic machines. All Luna pneumatic machines should have mist lubrication to increase life and to prevent rust.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 20571 | -0106 |
| Connection thread | G (R) | 1/4 |



Air filters

Luna. Removes water to 96% and 5 micron particles from the compressed air to prevent corrosion and downtime on tools and other pneumatic components. Installed before the regulator and mist lubricator. High flow value. Plastic container and metal guard.

Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.

| | | | | |
|--|-----------------|--------------|--------------|--------------|
| Manual drainage. | 20450 | -0102 | -0201 | -0300 |
| Luna | No | AF1/4" | AF3/8" | AF1/2" |
| Connection thread | G | 1/4 | 3/8 | 1/2 |
| Rec. air flow | l/min | 550 | 1500 | 4000 |
| Max. primary pressure | bar | 10 | 10 | 10 |
| Min. primary pressure with auto draining | bar | 1 | 1 | 1 |
| Capacity container | cm ³ | 15 | 20 | 45 |
| Automatic draining | 20450 | -0409 | -0508 | -0607 |
| Luna | No | AFA1/4" | AFA3/8" | AFA1/2" |
| Accessories: | | | | |
| Interconnecting block. | 20450 | -1001 | -1100 | -1209 |
| Bracket/Angle bracket | 20450 | -1308 | -1407 | -1506 |
| Interconnecting block with T-bracket. | 20450 | -1605 | -1704 | -1803 |



Regulators



Luna. To regulate a constant working pressure when operating pneumatic equipment. Not counterflowing.

Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.

Supplied with pressure gauge.

| | | | | |
|---|-----------------|--------------------|--------------------|--------------------|
| Art. no. | 20792 | -0109 | -0208 | -0307 |
| Luna | No | AR $\frac{1}{4}$ " | AR $\frac{3}{8}$ " | AR $\frac{1}{2}$ " |
| Rec. air flow | G | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ |
| Rek. max. flöde | l/min | 550 | 2500 | 6000 |
| Max. primary pressure | bar | 10 | 10 | 10 |
| Working pressure | bar | 0.5-8.5 | 0.5-8.5 | 0.5-8.5 |
| Capacity container | cm ³ | 15 | 20 | 45 |
| Accessories: | | | | |
| Interconnecting block | 20450 | -1001 | -1100 | -1209 |
| Bracket/Angle bracket | 20450 | -1308 | -1407 | -1506 |
| Interconnecting block with T-bracket | 20450 | -1605 | -1704 | -1803 |
| Pressure gauge | 20792 | -1008 | -1008 | -1107 |

Filter regulators



Luna. Combined filter and regulator. To obtain a constant working pressure when operating pneumatic equipment and filtering compressed air. Removes water to 96% and particles to 5 micron to prevent corrosion and downtime on tools and other pneumatic components. Plastic container and metal guard. Installed before a mist lubricator if installed. Plastic container and metal guard. Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.

Supplied with pressure gauge.

| | | | | |
|---|-----------------|----------------------|----------------------|----------------------|
| Manual drainage | 20452 | -0209 | -0308 | -0407 |
| Luna | No | AFR $\frac{1}{4}$ " | AFR $\frac{3}{8}$ " | AFR $\frac{1}{2}$ " |
| Connection thread | G | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ |
| Rec. max. air flow | l/min | 550 | 2000 | 4000 |
| Max. primary pressure | bar | 10 | 10 | 10 |
| Min. primary pressure with auto draining | bar | 1 | 1 | 1 |
| Working pressure | bar | 0.5-8.5 | 0.5-8.5 | 0.5-8.5 |
| Capacity container | cm ³ | 15 | 20 | 45 |
| Automatic drainage | 20452 | -0506 | -0605 | -0100 |
| Luna | No | AFR $\frac{1}{4}$ "A | AFR $\frac{3}{8}$ "A | AFR $\frac{1}{2}$ "A |
| Accessories: | | | | |
| Interconnecting block | 20450 | -1001 | -1100 | -1209 |
| Bracket/Angle bracket | 20450 | -1308 | -1407 | -1506 |
| Interconnecting block with T-bracket | 20450 | -1605 | -1704 | -1803 |
| Pressure gauge | 20792 | -1008 | -1008 | -1107 |

Oil mist lubricator



Luna. For mist lubrication of pneumatic components and compressed air tools during operation. Plastic container and metal guard. Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.

| | | | | |
|---|-----------------|--------------------|--------------------|--------------------|
| Art. no. | 20451 | -0101 | -0200 | -0309 |
| Luna | No | AL $\frac{1}{4}$ " | AL $\frac{3}{8}$ " | AL $\frac{1}{2}$ " |
| Connection thread | G | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ |
| Rec. max. air flow | l/min | 800 | 1700 | 5000 |
| Rec. min. air flow | l/min | 15 | 50 | 130 |
| Max. primary pressure | bar | 10 | 10 | 10 |
| Bowl capacity | cm ³ | 25 | 50 | 130 |
| Accessories: | | | | |
| Interconnecting block | 20450 | -1001 | -1100 | -1209 |
| Bracket/Angle bracket | 20450 | -1308 | -1407 | -1506 |
| Interconnecting block with T-bracket | 20450 | -1605 | -1704 | -1803 |
| Sight glass | 20451 | -1000 | -1208 | -1208 |

F-R-L-units

Luna. Combined filter regulator and mist lubricator. For filtering, regulating and mist lubrication of compressed air for pneumatic equipment under operation. Removes water to 96% and particles down to 5 micron. Available with manual or automatic draining of the air filter. Plastic container and metal guard. Recommended flow stated for Δp 0.3 bar with 5 bar feed pressure.

Supplied with pressure gauge.

| | | | | |
|---|-----------------|-----------------------|-----------------------|-----------------------|
| Manual drainage | 20453 | -0109 | -0208 | -0307 |
| Luna | No | AFRL $\frac{1}{4}$ " | AFRL $\frac{3}{8}$ " | AFRL $\frac{1}{2}$ " |
| Connection thread | G | $\frac{1}{4}$ | $\frac{3}{8}$ | $\frac{1}{2}$ |
| Rec. max. flow | l/min | 15/550 | 50/2000 | 130/4000 |
| Max. primary pressure | bar | 10 | 10 | 10 |
| Min. primary pressure with auto draining .. | bar | 1 | 1 | 1 |
| Working pressure | bar | 0.5-8.5 | 0.5-8.5 | 0.5-8.5 |
| Bowl capacity | cm ³ | 25 | 50 | 130 |
| Automatic draining | 20453 | -0406 | -0505 | -0604 |
| Luna | No | AFRL $\frac{1}{4}$ "A | AFRL $\frac{3}{8}$ "A | AFRL $\frac{1}{2}$ "A |
| Accessories: | | | | |
| Pressure gauge | 20792 | -1008 | -1008 | -1107 |



20453-0307

Accessories for Luna's air treatment



20450-1001



20450-1308



20450-1605



20450-1902



20792-1008



20451-1000

Luna. Accessories for Luna's air treatment.

| Designation | Fits | Type no | Art. no. |
|----------------------------|--|---|-------------------|
| T-spacer holder | AF $\frac{1}{4}$ ", AR $\frac{1}{4}$ ", AFR $\frac{1}{4}$ ", AL $\frac{1}{4}$ " | Y21-02 | 20450-1001 |
| T-spacer holder | AF $\frac{3}{8}$ ", AR $\frac{3}{8}$ ", AFR $\frac{3}{8}$ ", AL $\frac{3}{8}$ " | Y31-02 | 20450-1100 |
| T-spacer holder | AF $\frac{1}{2}$ ", AR $\frac{1}{2}$ ", AFR $\frac{1}{2}$ ", AL $\frac{1}{2}$ " | Y41-02 | 20450-1209 |
| T-clamp | AF $\frac{1}{4}$ ", AR $\frac{1}{4}$ ", AFR $\frac{1}{4}$ ", AL $\frac{1}{4}$ " | B210T | 20450-1308 |
| T-clamp | AF $\frac{3}{8}$ ", AR $\frac{3}{8}$ ", AFR $\frac{3}{8}$ ", AL $\frac{3}{8}$ " | B310T | 20450-1407 |
| T-clamp | AF $\frac{1}{2}$ ", AR $\frac{1}{2}$ ", AFR $\frac{1}{2}$ ", AL $\frac{1}{2}$ " | B410T | 20450-1506 |
| Spacer holder with T-clamp | AF $\frac{1}{4}$ ", AR $\frac{1}{4}$ ", AFR $\frac{1}{4}$ ", AL $\frac{1}{4}$ " | Y20T | 20450-1605 |
| Spacer holder with T-clamp | AF $\frac{3}{8}$ ", AR $\frac{3}{8}$ ", AFR $\frac{3}{8}$ ", AL $\frac{3}{8}$ " | Y30T | 20450-1704 |
| Spacer holder with T-clamp | AF $\frac{1}{2}$ ", AR $\frac{1}{2}$ ", AFR $\frac{1}{2}$ ", AL $\frac{1}{2}$ " | Y40T | 20450-1803 |
| 20-Angle holder | AR $\frac{1}{4}$ ", AFR $\frac{1}{4}$ " | B220 | 20450-1902 |
| 20-Angle holder | AR $\frac{3}{8}$ ", AFR $\frac{3}{8}$ " | B320 | 20450-2009 |
| 20-Angle holder | AR $\frac{1}{2}$ ", AFR $\frac{1}{2}$ " | B420 | 20450-2108 |
| Pressure gauge 40 mm | AR $\frac{1}{4}$ ", AR $\frac{3}{8}$ ", AFR $\frac{1}{4}$ ", AFR $\frac{3}{8}$ " | 1.5" | 20792-1008 |
| Pressure gauge 50 mm | AR $\frac{1}{2}$ ", AFR $\frac{1}{2}$ " | 2" | 20792-1107 |
| Inspection glass | AL $\frac{1}{4}$ " | $\frac{1}{4}$ " | 20451-1000 |
| Inspection glass | AL $\frac{3}{8}$ ", AL $\frac{1}{2}$ " | AL $\frac{3}{8}$ " - AL $\frac{1}{2}$ " | 20451-1208 |

Metal working machines

The Luna brand offers a complete range of sheet metal machines, cutting machines, presses and machine tools accessories.

The range comprises of close to 600 products chiefly designed for industry, service and maintenance workshops, and the educational sector.



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| Drilling and milling machines | 309 |
| Lathes..... | 314 |
| Crosscutting machines..... | 317 |
| Sheet metal machines..... | 320 |
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Metal working machines

Bench grinders



20727-0109



20727-0208



20727-0307



Tapered spindle



Protective glass



Support

Luna. For grinding work within craft applications and light industry. Spindle mounted in ball bearings. Closed protective hoods and folding protective glass. Motor and other electrical equipment - protection class IP 54. Supplied complete with grinding wheel/abrasive belts and adjustable mounted points and 1.5 metre connection cable.

| Art. no. | 20727 | -0109 | -0208 | -0307 |
|---|-------|-------------|-------------|-------------|
| Luna | No | MB 150 | MB 200 | MB 200B |
| Supplied with grinding disc | mm | 150x20x32 | 200x25x32 | 200x25x32 |
| Spindle speed | rpm | 3000 | 3000 | 3000 |
| Distance between grinding wheels | mm | 282 | 315 | - |
| Height to centre of spindle | mm | 140 | 140 | - |
| Abrasive belt dimension | mm | - | - | 50x800 |
| Motor voltage | V | 230 1-phase | 230 1-phase | 230 1-phase |
| | | 50 Hz | 50 Hz | 50 Hz |
| Motor output | kW | 0.5 | 0.75 | 0.75 |
| Rated current | A | 1.7 | 1.3 | 1.3 |
| Weight | kg | 15 | 19 | 21 |
| Accessories | | | | |
| Support for grinding machines | 20727 | (-1008) | (-1008) | (-1008) |
| Tapered spindle right side | 20727 | -1107 | -1107 | -1107 |
| Tapered spindle left side | 20727 | -1206 | -1206 | -1206 |
| Polishing disc 150x20x6 | 20727 | -1305 | -1305 | -1305 |
| Polishing disc 200x20x6 | 20727 | -1404 | -1404 | -1404 |
| Polishing screen (R + L) | 20727 | -1502 | -1502 | -1502 |
| Polishing screen with extraction sleeve R | 20727 | -1602 | -1602 | -1602 |
| Polishing screen with extraction sleeve L | 20727 | -1701 | -1701 | -1701 |
| Protective glass | 20727 | -1800 | -1800 | -1800 |
| Wire brush 150x20x32 | 20727 | -1909 | - | - |
| Wire brush 200x32x32 | 20727 | - | -2006 | -2006 |

Bench grinders



20181-0306



20181-0405

Luna. Bench grinders for industrial and maintenance grinding work. Spindle mounted in ball bearings. Closed protective hoods and folding protective glass. Motor and other electrical equipment – protection class IP 44. Supplied complete with grinding wheels and adjustable grinding support and 1.5 metre mains cable. MSG 200 BH has a belt grinding unit on the right-hand side.

| | | | |
|--|--------------|-------------------|-------------------|
| Art. no. | 20181 | -0108 | -0207 |
| Luna | No | MSG 150 H | MSG 200 H |
| Supplied with grinding disc | mm | 150x25x32 | 200x32x32 |
| Del. with belt | mm | - | - |
| Spindle speed | r/mm | 2950 | 2950 |
| Distance between grinding wheels | mm | 330 | 370 |
| Height to centre of spindle | mm | 125 | 140 |
| Hole pattern width x depth | mm | 200x130 | 250x160 |
| Motor voltage | V | 230 1-phase 50 Hz | 230 1-phase 50 Hz |
| Motor output | W | 520 | 900 |
| Rated current | A | 2 | 4 |
| Weight | kg | 16 | 28 |
| Ditto for Norway | 20181 | - | - |
| Motor voltage | V | - | - |
| Rated current | A | - | - |
| Ditto for UK | 20181 | -6006 | -6105 |
| Motor voltage | V | 230 1-phase 50 Hz | 230 1-phase 50 Hz |
| Support | 20181 | -0504 | -0504 |
| Height | mm | 800 | 800 |
| Weight | kg | 14 | 14 |
| Art. no. | 20181 | -0306 | -0405 |
| Luna | No | MSG 200 BH | MSG 250 H |
| Supplied with grinding disc | mm | 200x32x32 | 250x32x32 |
| Del. with belt | mm | 100x914 | - |
| Spindle speed | r/mm | 2950 | 2950 |
| Distance between grinding wheels | mm | 385 | 385 |
| Height to centre of spindle | mm | 150 | 150 |
| Hole pattern width x depth | mm | 250x160 | 250x160 |
| Motor voltage | V | 230 1-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | W | 900 | 900 |
| Rated current | A | 4 | 1.3 |
| Weight | kg | 32 | 32 |
| Ditto for Norway | 20181 | - | -5008 |
| Motor voltage | V | - | 230 3-phase 50 Hz |
| Rated current | A | - | 2.26 |
| Ditto for UK | 20181 | -6204 | - |
| Motor voltage | V | 230 1-phase 50 Hz | - |
| Support | 20181 | -0504 | -0504 |
| Height | mm | 800 | 800 |
| Weight | kg | 14 | 14 |

Belt sanders

For metal

Luna. Powerful belt grinders for coarse and fine grinding of metal. The sealed construction can be supplemented with efficient extraction. Rests on a metal base and can be angled as required. Self-adjusting belt tightener.

Supplied complete with 1 speed motor – protection class IP 54, motor casing with zero voltage release, angle stop and eye protection. Fan motor single speed motor – protection class IP 54.



20533-0202



| | | | |
|--------------------------------------|--------------|-------------------|-------------------|
| Art. no. | 20533 | -0202 | -0301 |
| Luna | No | MBG75 | MBG150 |
| Design | Manual | Manual | Manual |
| Abrasive belt dimension | mm | 75x2000 | 150x2000 |
| Size of grinding table | mm | 75x530 | 150x530 |
| Dimensions of the contact disc | mm | 75x200 | 150x200 |
| Grinding belt speed | m/sec | 34 | 34 |
| Sound level | dB (A) | 88 | 88 |
| Motor voltage | V | 230/400 3-phase | 230/400 3-phase |
| Motor output | kW | 3.0 | 3.0 |
| Rated current | A | 6.7 | 6.7 |
| Dimensions LxWxH | mm | 1000x500x1010 | 1000x560x1010 |
| Weight | kg | 85 | 105 |
| Ditto for Norway | 20533 | -5102 | -5201 |
| Luna | No | MBG75 | MBG150 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Rated current | A | 11.9 | 11.9 |
| Accessories | | | |
| Extraction | 20533 | -0509 | -0509 |
| Motor voltage | V | 230/400 3-phase | 230/400 3-phase |
| | | 50 Hz | 50 Hz |
| Motor output | kW | 0.55 | 0.55 |
| Rated current | A | 1.2 | 1.2 |
| Weight | kg | 10 | 10 |
| Graphite pad | 20533 | -0608 | -0707 |
| Dimensions | mm | 75x570 | 150x570 |
| Dust bag | 20533 | -0806 | -0806 |
| Contact disc | 6920 | -0350 | -0608 |



Luna. Belt grinders for coarse and fine grinding of metal. Enclosed design. Rests on a metal base and can be angled as required. Self-adjusting belt tightener.

Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, separate emergency stop and motor with brake, angle stop and eye protection.

| | | |
|--------------------------------------|--------------|-------------------|
| Art. no. | 20429 | -0100 |
| Luna | No | MBS75 |
| Design | Manual | Manual |
| Abrasive belt dimension | mm | 75x2000 |
| Size of grinding table | mm | 75x530 |
| Dimensions of the contact disc | mm | 75x200 |
| Grinding belt speed | m/sec | 29 |
| Sound level | dB (A) | 89 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 3.0 |
| Rated current | A | 6.7 |
| Dimensions LxWxH | mm | 1000x500x1010 |
| Weight | kg | 80 |

Bench and column drilling machines

Luna. Drilling machine. Variable speed with display for reading the speed. Table arm swivels through 360°, otherwise fixed table.

Suitable for handicrafts and small workshops.

Supplied with quick chuck, chuck guard and safety switch.

| Art. no. | 20652 | -0108 | -0207 |
|--|--------------|-------------------|-------------------|
| Luna | No | MD20BV | MD20FV |
| Model | | Bench | Upright |
| Design | | Manual | Manual |
| Drill capacity in steel | mm | 20 | 20 |
| Spindle taper | MT | 3 | 3 |
| Spindle movement | mm | 85 | 85 |
| Spindle speed (variable) | rpm | 190-1900 | 190-1900 |
| Column diameter | mm | 80 | 80 |
| Distance spindle centre - column | mm | 190 | 190 |
| Max. distance spindle nose - table | mm | 450 | 680 |
| Min. distance spindle nose - table | mm | 80 | 80 |
| Table size | mm | 350x250 | 350x250 |
| T-slot width | mm | 12 | 12 |
| Max distance spindle nose-foot plate | mm | 630 | 1220 |
| Bearbetad foot | mm | 550x350 | 550x350 |
| T-slot c/c | mm | 15 | 15 |
| Motor voltage | V | 230 1-phase 50 Hz | 230 1-phase 50 Hz |
| Motor output | kW | 2.25 | 2.25 |
| Height | mm | 1060 | 1650 |
| Rated current | A | 17 | 17 |
| Weight | kg | 96 | 105 |
| Dito for UK | 20652 | -6006 | -6105 |
| Motor voltage | V | 230 1-phase 50 Hz | 230 1-phase 50 Hz |



Illustration shows MD20FV

With or without automatic feed

Luna. Bench and vertical drilling machines designed with a powerful steel column. Drill head and drill arm can be swivelled through 360°, raised and lowered via a rack and pinion. Gear operation and gearbox with helical gears of steel and fibre material for a silent machine requiring a minimum of maintenance. Quick and easy selection between the 8 steps in the gearbox. The machine features motor protection with zero voltage release and emergency stop - IP 41. Rectangular table with T-slots, oil channel and drill guard.

MD 30 is fitted with digital depth gauge.

MD 40 is equipped with mechanically lubricated feed gearbox and reversing as standard, tool ejector and electric drill guard.

MD 30 is supplied complete with quick drill chuck 3-16 mm including table chuck unit MT3, taper ejector, digital depth gauge, Morse tapers MT3-MT2 and MT3-MT1.

MD 40 is supplied complete with quick drill chuck 1-16 mm including table chuck unit MT4, Morse tapers MT4-MT3 and MT4-MT2.

| Standard machine | 20714 | -0104 | -0203 | -0302 |
|---|--------------|-------------------|-------------------|-------------------|
| Luna | No | MD30B | MD30F | MD40F |
| Model | | Bench | Upright | Upright |
| Design | | Manual | Manual | Mech. feed |
| Drill capacity in steel | mm | 25 | 25 | 35 |
| Thread capacity (max. 4 times/min) .. | M | 16 | 16 | 18 |
| Spindle taper | MT | 3 | 3 | 4 |
| Spindle movement | mm | 130 | 130 | 150 |
| Spindle speed | ea | 8 | 8 | 8 |
| Spindle speed | rpm | 105-2900 | 105-2900 | 75-3010 |
| Column diameter | mm | 100 | 100 | 127 |
| Distance spindle centre - column | mm | 255 | 255 | 320 |
| Max. / min. distance spindle nose - bench | mm | - | 915/0 | 820/140 |
| Spindle nose-foot plate | mm | 584/80 | 584/80 | 1150/980 |
| Table size | mm | - | 500x350 | 500x350 |
| Table pin Ø | mm | - | 60 | 60 |
| T-slot width | mm | 14 | 14 | 14 |
| T-slot c/c | mm | 140 | 140 | 180 |
| Sound level | dB (A) | 76 | 76 | 76 |
| Motor voltage | V | 400 3-phase 50 Hz | 400 3-phase 50 Hz | 400 3-phase 50 Hz |
| Working plan, bearbetad foot | mm | 14 | - | - |
| Motor output | kW | 0,65/0,9 | 0,65/0,9 | 1,4/2,0 |
| Rated current | A | 1,8/2,3 | 1,8/2,3 | 3,7/4,3 |
| Weight | kg | 130 | 170 | 300 |
| Dito for Norway | 20714 | -5004 | -5103 | -5202 |
| Motor voltage | V | | 230 3-phase 50 Hz | |
| Rated current | A | 3,3/4,2 | | 6,7/7,8 |



20714-0203

Drill and milling machines



Luna. Belt-driven combined drill and milling machine. Suitable for tool and model work when drilling and milling can be carried out in the same mounting. The drill spindle is equipped with both a quick advance, where the feed lever works directly against gear rack on the spindle housing and with a fine feed knob. Binding tools is done via a carriage beam. The machine has variable adjustment of the spindle speed.

Supplied with motor, motor cut-out and zero voltage tripping.

| | | |
|---|--------------|-------------------|
| Art. no. | 20865 | -0101 |
| Luna | No | MDM 250 |
| Model | | Bench |
| Design | | Manual |
| Drill capacity in steel | mm | 25 |
| Milling capacity, flat face milling | mm | 50 |
| Milling capacity, end milling | mm | 25 |
| Thread capacity | M | 12 |
| Spindle taper | MT | 3 |
| Spindle movement | mm | 70 |
| Spindle speed | rpm | 100-1750 |
| Max. distance spindle nose – bench | mm | 350 |
| Coordinate table | mm | 550x160 |
| Lengthwise movement | mm | 300 |
| Cross movement | mm | 160 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Rated current | A | - |
| Motor output | kW | 1.0 |
| Weight | kg | 165 |
| Stand | 20865 | -0507 |



Luna. Belt-driven combined drill and milling machine. Suitable for tool and model work when drilling and milling can be carried out in the same mounting. The drill spindle is equipped with both a quick advance, where the feed lever works directly against gear rack on the spindle housing and with a fine feed knob. Binding tools is done via a carriage beam.

Supplied with a 1-speed motor and with motor protector with zero voltage release.

Luna.

| | | |
|---|--------------|-------------------|
| Art. no. | 20511 | -0109 |
| Luna | Nr | MDM 320 |
| Manual | | Bench |
| Design | | Manual |
| Drill capacity in steel | mm | 32 |
| Milling capacity, flat face milling | mm | 76 |
| Milling capacity, end milling | mm | 20 |
| Thread capacity | M | 19 |
| Spindle taper | MT | 3 |
| Spindle movement | mm | 130 |
| Spindle speeds | st | 12 |
| Spindle speed | r/min | 100-2080 |
| Column diameter | mm | 115 |
| Distance spindle centre - column | mm | 480 |
| Coordinate table | mm | 730x210 |
| Lengthwise movement | mm | 500 |
| Cross movement | mm | 175 |
| Motor voltage | V | 400 3-phase 50 Hz |
| Motor output | kW | 1,1/1,5 |
| Weight | kg | 270 |
| Ditto for Norway | 20511 | -5009 |
| Motor voltage | V | 230 3-fas 50 Hz |
| Accessories: | | |
| Stand | 20511 | -0406 |

Drill and milling machines



Luna. Combined drill and milling machine with gearbox. Suitable for tool and model work when drilling and milling can be carried out in the same mounting. The drill spindle is equipped with both a quick advance, where the feed lever works directly against gear rack on the spindle housing and with a fine feed knob. Binding tools is done via a carriage beam.

20457-0204 has spindle taper ISO 30.

The drill head can be rotated 0-45° in both directions.

Supplied with a 2-speed motor and motor protector with zero voltage release.

Sony digital measurement equipment on request.

| Art. no. | 20457 | -0105 | -0204 |
|-------------------------------------|--------------|-------------------|-------------------|
| Luna | No | MDM -400 | MDM -401 |
| Model | | Bench | Bench |
| Design | | Manual | Manual |
| Drill capacity in steel | mm | 40 | 40 |
| Milling capacity, flat face milling | mm | 76 | 76 |
| Thread capacity | M | 19 | 19 |
| Spindle taper | | MK 3 | ISO 30 |
| Spindle movement | mm | 130 | 130 |
| Spindle speed | ea | 6 | 6 |
| Spindle speed | rpm | 50-1250 | 50-1250 |
| Column diameter | mm | 75 | 75 |
| Distance spindle centre - column | mm | 255 | 255 |
| Max. distance spindle nose – bench | mm | 470 | 470 |
| Min. distance spindle nose - bench | mm | 110 | 110 |
| Coordinate table | mm | 730x210 | 730x210 |
| Lengthwise movement | mm | 500 | 500 |
| Cross movement | mm | 270 | 270 |
| T-slot width | mm | 14 | 14 |
| T-slot c/c | mm | 56 | 56 |
| Motor voltage | V | 400 3-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 1,5 | 1,5 |
| Rated current | A | - | - |
| Weight | kg | 290 | 290 |
| Ditto for Norway | 20457 | -5005 | -5104 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Accessories: | | | |
| Stand | 20457 | -2002 | -2002 |

Milling and drilling machine

With motorised longitudinal feed



Luna. Combined milling and drilling machine. Suitable for repair, maintenance and training purposes when drilling and milling can be carried out in the same clamped position. The drill spindle is equipped with both a quick advance, where the feed lever works directly against gear rack on the spindle housing and with a fine feed knob. Tools are locked via a drawbar with M 12 thread. The drill head folds 90° in both directions. Dovetail guides provide excellent stability for head and table.

Supplied complete with motorised longitudinal feed, cast iron stand, central lubrication, 2-speed motor, automatic circuit breaker with zero voltage release, complete cooling equipment and automatic reversing with level indicator.

| | | |
|---|--------------|----------------------|
| Art. no. | 20885 | -0107 |
| Luna | No | MMD 500 |
| Design | | Bed plate |
| Drill capacity in steel | mm | 32 |
| Milling capacity, flat face milling | mm | 102 |
| Milling capacity, end milling | mm | 32 |
| Tapping capacity (max. 4 times/min) | M | 16 |
| Spindle taper | ISO | 30 |
| Spindle movement | mm | 120 |
| Spindle speeds | ea | 12 |
| Spindle speed | rpm | 50-2500 |
| Column diameter | mm | 250 |
| Distance spindle centre - column | mm | 295 |
| Max. distance spindle nose - table | mm | 460 |
| Min. distance spindle nose - table | mm | 110 |
| Coordinate table | mm | 820x240 |
| Lengthwise movement | mm | 450 |
| Cross movement | mm | 350 |
| Height movement, head | mm | 350 |
| T-slot width | mm | 15 |
| T-slot c/c | mm | 64 |
| Motor voltage | V | 400 3-phase 50 Hz |
| Motor output | kW | 1,5 |
| Rated current | A | 3,8/3,6 |
| Weight | kg | 650 |
| Weight incl. packaging | kg | 690 |
| Size of packaging | mm | 1040x980x1880 |
| Ditto for Norway | 20885 | -5007 |
| Motor voltage | V | 230 3-phase 50 Hz |

Millers

Tool milling machines



Picture shows MM 3000

Luna. Universal milling machines with sturdy cast column. Over arm with milling head is pivotable 90° in both directions and 45° forward-backward. Variator with reinforced oil bronze mounted pulley that runs on a chrome-plated axle. The rotation direction of the main motor can be changed. Heavy-duty lubrication around down feed systems, spindle housing and low gear. Disconnecting feed handle.

The machines are equipped with dovetail guides which provide good stability for slides and bench.

Supplied with hinged overhead panel with low voltage system, electronic longitudinal and horizontal feed with stepless feed and fixed rapid feed, central lubrication, cooling equipment, cutting pan, electronic equipment in accordance with CE norms and micrometer stop for adjustment of working depth.

Limit digital measurement equipment assembly price on request.

| | | | |
|--|--------------|-----------------------|-----------------------|
| Art. no. | 20892 | -0108 | -0207 |
| Luna | No | MM 3000 | MM 3001 |
| Design | | Universal | Universal |
| Spindle taper | ISO | 30 | 40 |
| Spindle movement | mm | 127 | 127 |
| Spindle speed | 2 | Variable | Variable |
| Spindle speed | rpm | Low 60-500 | Low 70-500 |
| Spindle speed | rpm | High 500-4200 | High 500-3600 |
| Spindle feed | ea | 3 | 3 |
| Spindle feed | mm/r | 0.038-0.076-0.203 | 0.038-0.076-0.203 |
| Distance spindle centre - column | mm | 140-528 | 140-528 |
| Distance spindle nose-bench | mm | 64-498 | 40-498 |
| Table size | mm | 254×1270 | 254×1270 |
| T-slot | ea | 3 | 3 |
| T-slot width | mm | 16 | 16 |
| T-slot c/c | mm | 57 | - |
| Lengthwise movement | mm | 790 | 890 |
| Cross movement | mm | 406 | 406 |
| Vertical movement | mm | 406 | 406 |
| Motor voltage | V | 230/400 3-phase 50 Hz | 230/400 3-phase 50 Hz |
| Main motor | kW | 2.25 | 3.75 |
| Max. work weight on the bench | kg | 300 | 350 |
| Weight | kg | 1200 | 1600 |
| Ditto for Norway | 20892 | -5008 | -5107 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Cross feed | 20892 | -0306 | -0306 |
| Height feed | 20892 | -0405 | -0405 |
| Pneum. tool lock | 20892 | -0504 | -0504 |

Metal working machines

Support lathes



20650-0100



20650-0209



20650-0308

Luna. ML 510. Small support lathe suitable for modellers, toolmakers, service and repair work. For machining metal, plastic etc. Torsionally reinforced bed with dovetail joint that gives exact control of the support and tailstock. Variator for variable speed control. Cross-slide has T-slot for mounting various tools.

Supplied complete with 1-speed motor, enclosure protection class IP 44, microswitch on the chuck guard. Automatic length feed, rear splash guard, double tool holders for 13 mm tools, lathe chuck, fixed centre MT1 and MT2 with 2x3 jaws \varnothing 80 mm, and intermediate flange.

ML 714. A support lathe suitable for modellers, toolmakers, precision instrument makers, service and repair work. For machining metal, plastic etc. Torsion resistant reinforced bed with v-prism, allowing exact control of the support and tailstock. The main spindle is mounted in strong precision ball bearings. Variator for variable speed control.

Supplied complete with 1-speed motor, enclosure protection class IP 54, lathe chuck with 2x3 jaws \varnothing 80 mm and intermediate flange, fixed centres, 4-way tool holder for 15 mm tools. Digital speed, cross-slide and upper-slide display.

MLF 1022. A robust machine tool suitable for tool makers, fine mechanical workshops, schools, garages, hobby, service and repair work. Perfect for complicated parts, one-off or serial production of small components. Torsion resistant reinforced bed with v-prism, allowing exact control of the support and tailstock. The main spindle is mounted in strong precision roller bearings. Power drive belt operation provides safe transmission from motor to main spindle. Speed changed via V-belt. Cross-slide has double T-slot for mounting various accessories.

Supplied complete with 1-speed motor, lathe chuck with 2x3 jaws \varnothing 125 mm, upper-slide that swivels 360°, fixed centres, 4-way tool holder for 20 mm tools, variable speed gear and chuck guard.

The machine is also equipped with a milling head.

| Art. no. | 20650 | -0100 | -0209 | -0308 |
|---------------------------------|---------------|----------------------|-------------------|---|
| Luna | No | ML 510 | ML 714 | MLF 1022 |
| Design | | Bench | Bench | Bench |
| Centre distance | mm | 250 | 350 | 550 |
| Centre height | mm | 70 | 90 | 125 |
| Lathe diam. over bed | mm | 140 | 180 | 250 |
| Spindle passage | mm | 9 | 20 | 20 |
| Headstock taper | MT | 2 | 3 | 3 |
| Tailstock taper | MT | 1 | 2 | 2 |
| Spindle speed | ea | Variable | Variable | 6 |
| Spindle speed | rpm | 100-2000 | 100-3000 | 125-210-420-620-1000-2000 |
| Sliding feed | ea | 2 | 2 | 2 |
| Sliding feed | mm/r | 0.05-0.10 | 0.10-0.20 | 0.10-0.20 |
| Cross-slide movement | mm | 60 | 65 | 100 |
| Compound rest movement | mm | - | 55 | 50 |
| Screw pitch | ea | 5 | 10 | 12 |
| Screw pitch | mm | 0.5-0.7-0.8-1.0-1.25 | 0.4-2.0 | 0.4-0.5-0.6-0.7-0.8-1.0-1.25-1.5-1.75-2-2.5-3 |
| Screw pitch | ea | 5 | 8 | 8 |
| Screw pitch | times/inch | 16-18-19-20-24 | 12-52 | 10-11-14-19-20-22-40-44 |
| Sound level | dB (A) | 70 | - | 72,3 |
| Motor voltage | V | 230 1-phase 50 Hz | 230 1-phase 50 Hz | 230 1-phase 50 Hz |
| Motor output | kW | 0.15 | 0.35 | 0.55 |
| Rated current | A | - | - | - |
| Weight | kg | 22 | 44 | 145 |
| Milling unit | | | | |
| Drill capacity | mm | - | - | 13 |
| Shank-end mill capacity | mm | - | - | 16 |
| Face-milling cutter capacity | mm | - | - | 30 |
| Spindle taper | MT | - | - | 3 |
| Spindle speed low | rpm | - | - | 0-1100 |
| Spindle speed high | rpm | - | - | 0-2500 |
| T-slot | mm | - | - | 12 |
| Spindle angle | \varnothing | - | - | -25 - +45 |
| Ditto for UK | 20650 | -6008 | -6107 | -6206 |
| Accessories | | | | |
| Support | 20650 | -1199 | -1199 | -1181 |
| Jaw chuck | 20650 | -1157 | -1140 | -1132 |
| Faceplate | 20650 | -1058 | -1041 | -1033 |
| Fixed steady | 20650 | -1124 | -6206 | -1108 |
| Travelling steady | 20650 | -1090 | -1082 | -1074 |
| Cross-slide | 20650 | -1025 | - | - |
| Quick release drive set | 20650 | (-0902) | -1009 | (-2361) |
| Lathe tool set 11 pieces | 20650 | -1173 | -1173 | -1165 |
| Dog | 20650 | -1017 | -1017 | - |

Metal lathes

Luna. A flexible, modern and easy to work centre lathe, suitable for repair, maintenance and training purposes. The machine is designed as standard with a hardened and ground bed with opening, floor stand, spindle brake with foot control, hardened and ground pinion in the gearbox, Norton box for mm/inch.

Supplied complete with 1-speed motor, chuck guard med microswitch, halogen work light, rear splash guard, chuck, extensible chip tray, complete coolant equipment, 3-jaw chuck Ø 160 mm med 2x3 jaws, jaw chuck Ø 200 mm, face plate Ø 300 mm, chuck collet, fixed centres, quick release attachment with side holder for internal and external machining, die stock, fixed and follower rest, variable speed gear and tool set.

The electrical cabinet can be removed with 1500 mm cable when the machine needs to be placed against a wall.



20758-0200

| Art. no. | 20758 | -0101 | -0200 |
|---|--------------|---|---|
| Luna | No | ML 1330 | ML 1440 |
| Model | | Floor | Floor |
| Design | | Support | Support |
| Centre distance | mm | 750 | 1000 |
| Centre height | mm | 165 | 180 |
| Lathe diameter over bed | mm | 330 | 360 |
| Lather diameter over cross slide | mm | 200 | 215 |
| Lather diameter in gap width | mm | 476 | 506 |
| Gap width | mm | 149 | 149 |
| Width of lathe bed | mm | 187 | 187 |
| Spindle passage | mm | 38 | 38 |
| Spindle nose | Camlock | D1-4 | D1-4 |
| Headstock taper | MT | 5 | 5 |
| Tailstock taper | MT | 3 | 3 |
| Tailstock spindle movement | mm | 95 | 95 |
| Tailstock spindle diameter | mm | 32 | 32 |
| Spindle speed | ea | 8 | 8 |
| Spindle speed | rpm | 70, 115, 190, 300, 460, 755, 1255, 2000 | 70, 115, 190, 300, 460, 755, 1255, 2000 |
| Sliding feed | ea | 20 | 20 |
| Sliding feed | mm/r | 0,067-1,019 | 0,067-1,019 |
| Cross-slide movement | mm | 160 | 160 |
| Compound rest movement | mm | 68 | 68 |
| Cross feed | ea | 20 | 20 |
| Cross feed | mm/r | 0,018-0,275 | 0,018-0,275 |
| Screw pitch | ea | 27 | 27 |
| Screw pitch | mm | 0,45-10 | 0,45-10 |
| Screw pitch | ea | 36 | 36 |
| Screw pitch | times/inch | 80-3,5 | 80-3,5 |
| Sound level | dB (A) | 81 | 81 |
| Control voltage | V | 110 | 110 |
| Motor voltage | V | 230/400 | 230/400 |
| | | 3-phase 50 Hz | 3-phase 50 Hz |
| Motor output | kW | 1,5 | 1,5 |
| Rated current | A | 6,3/3,7 | 6,3/3,7 |
| Lighting | V | 24 | 24 |
| Coolant pump | kW | 0,04 | 0,04 |
| Rated current | A | 0,48/0,25 | 0,48/0,25 |
| Support | | Welded | Welded |
| Weight | kg | 590 | 620 |
| Weight incl. packaging | kg | 690 | 720 |
| Size of packaging | mm | 1720x750x1400 | 1920x750x1400 |
| Ditto for Norway | 20758 | -5001 | -5100 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Rated current, main motor | A | 6,3 | 6,3 |
| Rated current, coolant pump | A | 0,48 | 0,48 |
| Ditto for vessels | 20758 | - | -5209 |
| Motor voltage | V | - | 440 3-phase 60 Hz |
| Rated current, main motor | A | - | 1,5 |
| Rated current, coolant pump | A | - | 0,04 |
| Accessories: | | | |
| For quick release attachment | | | |
| Side holder max tool steel 25 mm | 20758 | -0309 | -0309 |
| Side holder max tool steel Ø 30 mm | 20758 | -0408 | -0408 |

Metal lathes



Luna. A robust and stable steady centre lathe suitable for repair and maintenance work as well as training purposes. The machine is constructed on an induction hardened and ground bed plate with high strength cast iron gap for high stability, foot-operated spindle brake, safety connector against overloading the feed.

Supplied complete with single-speed motor, chuck protection with micro switch, halogen work lighting, rear splash guard, digital measuring equipment, complete coolant equipment, 3-jaw chuck, collet, fixed centres, square steel attachment, die stock, and tool set.

| Art. no..... | 20758 | -0606 | -0705 | -0804 | (-0903) |
|--|--------------|-------------------|-------------------|-------------------|-------------------|
| Luna | No | ML 1660 | ML 1840 | ML 1860 | ML 1880 |
| Model | | Floor | Floor | Floor | Floor |
| Design | | Support | Support | Support | Support |
| Centre distance | mm | 1500 | 1000 | 1500 | 2000 |
| Centre height | mm | 165 | 215 | 215 | 215 |
| Lathe diameter over bed | mm | 410 | 460 | 460 | 460 |
| Lather diameter over cross slide | mm | 250 | 290 | 290 | 290 |
| Lather diameter in gap width | mm | 660 | 700 | 700 | 700 |
| Gap width | mm | 200 | 200 | 200 | 200 |
| Spindle passage | mm | 80 | 80 | 80 | 80 |
| Headstock taper | MT | 7 | 7 | 7 | 7 |
| Tailstock taper | MT | 4 | 5 | 5 | 5 |
| Tailstock spindle movement | mm | 130 | 130 | 130 | 130 |
| Tailstock spindle diameter | mm | 75 | 75 | 75 | 75 |
| Spindle speeds | ea | 12 | 12 | 12 | 12 |
| Spindle speeds | rpm | 25 - 1800 | 25-1800 | 25-1800 | 25-1800 |
| Cross-slide movement | mm | 230 | 230 | 230 | 230 |
| Compound rest movement | mm | 100 | 100 | 100 | 100 |
| Screw pitch | ea | 24 | 24 | 24 | 24 |
| Motor voltage | V | 230/400 | 230/400 | 230/400 | 230/400 |
| | | 3-phase 50 Hz | 3-phase 50 Hz | 3-phase 50 Hz | 3-phase 50 Hz |
| Motor output | kW | 5.5 | 5.5 | 5.5 | 5.5 |
| Coolant pump | kW | 0.04 | 0.09 | 0.09 | 0.09 |
| Weight | kg | 2630 | 2635 | 2835 | 3055 |
| Ditto for Norway | 20758 | -5506 | -5316 | -5308 | (-5407) |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz |

Cutting machines



20651-0208 with support

Luna. Compact and versatile cross-cutting saw. The cutting head can be quickly set for mitring up to 45° left, right. Electrical coolant pump where MCC 250 has its coolant tank in the machine base. MCC 315 has a separate coolant tank. Worm gear runs in oil bath. The blade protection is linked to the cutting head. Clamping of the material on both sides of the blade, and quick locking of the vice.

Supplied with 2-speed motor - enclosure class IP 44, electric coolant pump with separate starter knob, length stop, material support. Supplied without circular saw blade.

| Art. no. | 20651 | -0109 | -0208 |
|---|--------------|-------------------|----------------------|
| Luna | No | MCC 250 | MCC 315 |
| Design | | Manual | Manual |
| Cross-cutting saw diam. max | mm | 250 | 315 |
| Cuts round max 90° (45°) solid material | mm | 30 (30) | 50 (50) |
| Cuts round max 90° (45°) profile material | mm | 75 (65) | 100 (90) |
| Cuts square max 90° (45°) profile material | mm | 65 (58) | 90 (80) |
| Cuts rectangular max 90° (45°) profile material | mm | 90x50 (70x50) | 115x70 (85x70) |
| Mitre | | 45°-0°-45° | 45°-0°-45° |
| Man. vice opening | mm | 100 | 120 |
| Speed | rpm | 45/90 | 44/88 |
| Cutting speed | m/min | 35.3/70.6 | 43.5/87 |
| Supply voltage | V | 24 | 24 |
| Motor voltage | V | 400 3-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 0.75/0.9 | 1.3/1.9 |
| Rated current | A | 1.6/2.2 | 3.5/4.2 |
| Coolant pump | V | 400 1-phase 50 Hz | 400 3-phase 50/60 Hz |
| Motor output | kW | 0.07 | 0.095 |
| Rated current | A | 0.2 | 0.2/0.16 |
| Coolant container | litre | 2 | 5 |
| Support | | Excl. | Incl. |
| Weight incl. stand | kg | 130 | 175 |
| Size incl. support | mm | 960x935x1573 | 1020x990x1830 |
| Ditto for Norway | 20651 | -5009 | -5108 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Accessories: | | | |
| Stand | 20651 | -0406 | - |



Cold saw

Luna. Hydraulic cold saw. The collet runs vertically supported by two ground side plates. The actuator is placed on the side, a stop button is operated automatically for completed cutting. Rapid lifting of the collet to the desired position. Coolant pump starts automatically. The cutting pressure is hydraulically stepless adjustable. Mitre for 45° of the vice. Enclosure protection class IP 54.

Supplied with one machine saw blade.

Other sizes and motor voltages quoted on request

| | | |
|------------------------------------|--------------|-------------------|
| Art. no. | 20653 | -0107 |
| Luna | No | MH 280 |
| Design | | Semi-manual |
| Saw blade diameter | mm | 450x32x1.6x Ø8.3 |
| Cross cutter round max. | mm | 280 |
| Cuts square. max. | mm | 250x250 |
| Cross cutter rectangular max. | mm | 280x250 |
| Mitring max 45° | mm | 130 |
| Vice | | Manual |
| Number of strokes | per min | 80-100-120 |
| Motor voltage | V | 400 3-phase 50 Hz |
| Motor output | kW | 1.5 |
| Coolant pump | kW | 0.12 |
| Weight | kg | 520 |
| Size | mm | 1470x850x1100 |
| Ditto for Norway | 20653 | -5007 |
| Motor voltage | V | 230 3-phase 50 Hz |



20097-0101

Cold rolled band saws

Luna. Semi-manual bandsaws. Supplied with length stop. Semi-manual machines work as follows. You lift up the saw clamp by hand, following which the automatic down-feed speed is adjusted using a control valve. The saw clamp can be quickly adjusted for mitres and is locked mechanically. Manual vice with quick setting. The saw blade is guided up via hard metal plates and ball bearings.

Supplied complete with motor – protection class IP 54, electric coolant pump, band saw blade and instruction book.

| | | | | |
|-------------------------------|--------------|----------------------|----------------------|----------------------|
| Art. no. | 20097 | -0101 | -0200 | -0309 |
| Luna | No | MBH 150 | MBH 170 | MBH 225 |
| Design | | Manual | Semi-man. | Semi-man. |
| Belt dimension | mm | 1735 x 13 x 0.9 | 2080 x 20 x 0.9 | 2480 x 27 x 0.9 |
| Cross cutter round max. | mm | 150 | 170 | 200 |
| Cross cutter square max. | mm | 150 x 125 | 140 x 210 | 200 |
| Mitre | | 0°-45°-60° | 0°-45° | 0°-45°-60° |
| Vice | | Manual | Manual | Manual |
| Band speed | m/min | 65 | 40/80 | 40/80 |
| Supply voltage | V | 24 | - | - |
| Motor voltage | V | 230 1-phase 50 Hz | 400 3-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 0,37 | 0,75 | 1,1 |
| Rated current | A | 1,6 | 1,4 | 2,0 |
| Coolant pump | W | 0,05 | 0,05 | 0,05 |
| Support | | Incl. | Incl. | Incl. |
| Weight | kg | 78 | 157 | 200 |
| Ditto for Norway | 20097 | - | -5001 | -5100 |
| Motor voltage | V | - | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Rated current | A | - | 2,5 | 2,7 |
| Ditto for UK | 20097 | -6009 | - | - |
| Motor voltage | V | 230 1-phase 50 Hz | - | - |

Cold rolled band saws

Vertical



20144-0203

Luna. Vertical cold-rolling strip saws, suitable for industry, handicrafts, schools, etc. Stand in welded rigid design. Rubber-covered bandsaw wheel with maintenance-free ball bearings. The upper wheel can be raised and lowered to adjust the blade tension. The lower wheel is equipped with a stripper brush. The blade guide, above and below the desk is equipped with hard metal guides and can be raised and lowered. Cast iron saw table, adjustable in mitre 15° (4 directions) and equipped with grooves for mitre line.

Supplied complete with blade weld equipment, grinding disc for deburring blade after welding, cutter for cutting sheets, built-in brush for cleaning blade and wheel, work lighting manual, tool, blade protection, micro switch for doors, drive gear and blade wheel, protection over welding equipment, protection for grinding disc.

The machine can be supplied in other sizes and with automatic hydraulic feed on the work bench and with other speed alternatives. Available on request.

| Art. no. | 20144 | -0104 | (-0203) | (-0302) |
|---|--------------|--------------------------|--------------------------|--------------------------|
| Luna | No | MBS 36V | MBS 40V | MBS 60V |
| Design | | Manual | Manual | Manual |
| Belt dimension length | mm | 2870 | 3285 | 3950 |
| Belt dimension width, max. | mm | 16 | 16 | 16 |
| Max. distance belt - stand | mm | 355 | 410 | 600 |
| Max. working height | mm | 230 | 300 | 300 |
| Table size | mm | 500x400 | 600x500 | 600x500 220x500 |
| Incline of bench (4 directions) | | 15° | 15° | 15° |
| Cutting speed (stepless) Stage I | m/min | - | 15-55 | 15-55 |
| Cutting speed (stepless) Stage II | m/min | 20-90 | 96-390 | 96-390 |
| Motor voltage | V | 230/400 3-phase 50 Hz | 230/400 3-phase 50 Hz | 230/400 3-phase 50 Hz |
| Motor output | kW | 0.75 | 1.5 | 1.5 |
| Welding equipment | KVA | 2.4 | 2.4 | 2.4 |
| Weight | kg | 250 | 440 | 700 |
| Ditto for Norway | 20144 | -5004 | (-5103) | (-5202) |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Angle stop | 20144 | -0401 | -0401 | -0401 |
| Parallel stops | 20144 | -0500 | -0500 | -0500 |

Power shears

Hand operated



with lower beam

Luna. Portable model in steel construction for mounting on a lower beam or work bench. The guillotine is equipped with a plate down-holder, which also functions as a finger guard in accordance with the Swedish Board of Occupational Safety and Health recommendations. The lever arm is collapsible, which makes transport easier. The guillotine design also allows cutting of longer plates, as well as other material such as masonry, leather, cardboard, plastics, etc.

A folding lower beam with lay-out table is available as an accessory. The table is equipped with a lockable stop with 60-500 mm adjustability. Brochure on request 9601-9997.

| | | | |
|--|-------------|----------------|----------------|
| Manual guillotine | 9601 | -0103 | -0301 |
| Cutting length | mm | 800 | 1000 |
| For max. steel plate 400 N/mm ²) | mm | 1.25 | 1 |
| Net weight | kg | 25 | 29 |
| Stand | 9601 | -0202 | -0400 |
| Table length x width | mm | 1000x500 | 1150x500 |
| Table height | mm | 700 | 700 |
| Net weight | kg | 13 | 16 |
| Top blade | 4086 | (-0702) | (-0900) |
| Bottom blade | 4086 | (-0801) | (-1007) |



With lower beam

Luna. In cast design. The spring-loaded stop is adjustable 5-500 mm with a crank and equipped with locking device. The table is calibrated and has movable stop rail plus fixed angle stop. The power shears are supplied with protection in accordance with the Swedish Board of Occupational Safety and Health recommendations (separate protection for older shears supplied on special order). One end of the guard is fixed to the shears table while the over end is fixed to the table with an adjustable stud which permits plate lengths greater than the table length.

A frame and locking mechanism are available as accessories, that build a catch the locks the impact arm in the lower position. (Suitable supplement for schools, etc.)

| | | | |
|----------------------------|-------------|--------------|--------------|
| Art. no. | 4086 | -0306 | -0355 |
| Luna | No | MGH 1020 | MGH 1270 |
| Lower beam | | without | with |
| Cut length | mm | 1020 | 1270 |
| For max. steel plate | mm | 1.5 | 1.5 |
| Table width | mm | 580 | 560 |
| Table length | mm | 1130 | 1380 |
| Net weight | kg | 350 | 400 |

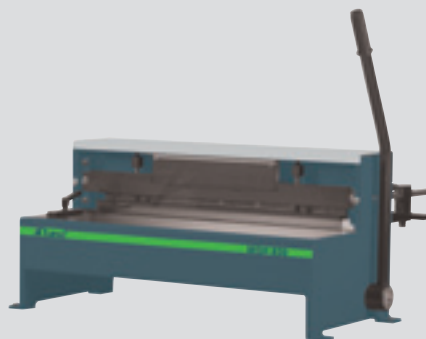
| Accessories for size | MGH 1020 Art. no. 4086 | MGH 1270 Art. no. 4086 |
|----------------------|------------------------------|------------------------------|
| Stand | -0603 | - |
| Top blade | (-0900) | (-0959) |
| Bottom blade | (-1007) | (-1056) |
| Locking device | (-1106) | - |
| Sheet holder | (-1205) | (-1304) |
| Finger protection | (-1403) | (-1502) |

Power shears

Hand operated

Luna. Hand operated precision machine, suitable for cutting metal, circuit boards, plastic, etc. As standard the machine is equipped with an illuminated cutting edge, adjustable angle stop with graduated scale, plate stop with adjustable angle and mm-scale and plastic covered automatic acting plate holder.

| | | |
|---|--------------|----------------|
| Art. no. | 20832 | (-0101) |
| Luna | No | MSH 650 |
| Design | | Hand operated |
| Cut length | mm | 650 |
| Max. plate thickness (400 N/mm ²) | mm | 1.25 |
| Cutting angle | | 2° |
| Table length | mm | 685 |
| Table width | mm | 265 |
| Table height | mm | 172 |
| Length | mm | 850 |
| Width | mm | 380 |
| Height | mm | 345 |
| Rear stop | mm | 450 |
| Angle stop | mm | 220 |
| Cutting line lighting | V | 230 |
| Weight | kg | 87 |
| Stand | 11175 | (-1202) |



Pneumatic



Luna. Precision machines and pneumatic production machines, well-dimensioned and operator-friendly design that gives a good sight of the entire cutting line; ideal for sheet and plastic. Supplied complete with plate stop 90° angle stop, double ground, self-adjusting knives, automatic plate holder and pneumatic controlled safety screen.

| | | | |
|---|--------------|----------------|----------------|
| Art. no. | 20831 | (-0102) | (-0201) |
| Luna | No | MSS 100 | MSS 125 |
| Design | | Pneumatic | Pneumatic |
| Cut length | mm | 1060 | 1310 |
| Max. plate thickness (400 N/mm ²) | mm | 1.25 | 1.25 |
| Cutting angle | | 4.5° | 3.5° |
| Number of strokes | per/min | 22 | 22 |
| Table length | mm | 1100 | 1350 |
| Table width | mm | 335 | 335 |
| Table height | mm | 750 | 750 |
| Length | mm | 1252 | 1500 |
| Width | mm | 555 | 555 |
| Height | mm | 1010 | 1010 |
| Rear stop | mm | 685 | 685 |
| Angle stop | mm | 300 | 300 |
| Sound level | dB (A) | 82 | 82 |
| Air consumption per stroke | lit | 22 | 22 |
| Max. air pressure | kPa | 1000 | 1000 |
| Min. air pressure | kPa | 700 | 700 |
| Weight | kg | 175 | 215 |
| Accessories | | | |
| Mm scale for plate stop | 11185 | (-1200) | (-1200) |

Sheet metal machines

Mechanical guillotines

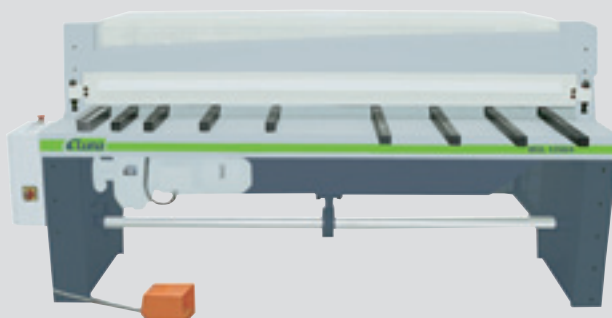


Luna. Well-designed machine power shears manufactured in a fully-welded steel construction. Power transmission is accomplished from a standard motor with an electro-magnetic brake via a chain connection to the main shaft. This draws the cutter beam to the material via two powerful eccentric systems. The perfect cut is guaranteed using the accurately adjusted cutting gap and high quality cutters and the automatic rubber-covered plate holder. Perfect production shears with operator friendly table design, high cutting speed, optimal cutting angle and low noise level.

Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, manual plate stop with mm scale, set using a handwheel, cut line lighting, movable 24 V foot switch, table extension 600 mm, adjustable machine feet, angle stop and electrically controlled safety screen.

| Art. no. | 20833 | -0100 | -0209 |
|---|--------------|---------------------|---------------------|
| Luna | No | MSM 1250/3 | MSM 2000/2 |
| Design | | Motor | Motor |
| Cut length | mm | 1275 | 2025 |
| Max. plate thickness (400 N/mm ²) | mm | 3.0 | 2.0 |
| Cutting angle | | 2.0° | 1.75° |
| Number of cuts | per/min | 35 | 38 |
| Bench length | mm | 930 | 930 |
| Bench width | mm | 330 | 330 |
| Table height | mm | 860 | 870 |
| Length | mm | 1500 | 2250 |
| Width | mm | 550 | 560 |
| Height | mm | 1100 | 1130 |
| Rear stop | mm | 635 | 640 |
| Angle stop | mm | 270 | 270 |
| Sound level | dB (A) | 77 | 77 |
| Supply voltage | V | 24 | 24 |
| Motor voltage | V | 230/400 | 230/400 |
| Motor output | kW | 3-phase 50 Hz | 3-phase 50 Hz |
| Rated current | A | 2.2 | 2.2 |
| Work lighting | V | 8 | 8 |
| Weight | kg | 220 | 220 |
| | | 760 | 990 |
| Ditto for Norway | 20833 | -5000 | -5109 |
| Motor voltage | V | 230 3-phase | 230 3-phase |
| | | 50 Hz | 50 Hz |
| Rated current | A | 14 | 14 |
| Special cutter for stainless steel | | (11190-1005) | (11180-1007) |
| Cut counter | 11190 | (-1104) | (-1104) |
| Bench extender 940 mm | 11190 | (-1203) | (-1203) |
| T-slot rail for front edge of table | 11190 | (-1302) | (-1401) |
| Sheet catcher, pneumatic flip type | 11190 | (-1500) | (-1609) |

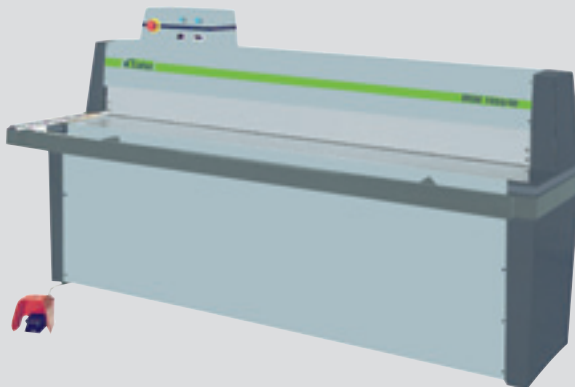
Mechanical guillotines



Luna. A recently-developed mechanical guillotine in a simple, powerful design. Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, table extension, angle stop, movable 24 volt foot pedal, cut counter, adjustable spindle, rear plate gauge with counter, automatic acting rubber coated plate holder and electrically controlled safety shield.

| Art. no. | 20845 | (-0106) | (-0205) | (-0304) |
|---|--------------|----------------------|----------------------|----------------------|
| Luna | No | MSL 1250/4 | MSL 2000/3 | MSL 3000/2.5 |
| Design | | Motor | Motor | Motor |
| Cut length | mm | 1250 | 2050 | 3050 |
| Max. plate thickness (400 N/mm ²) | mm | 4.0 | 3.0 | 2.5 |
| Cutting angle | | 2.5° | 2.1° | 1.5° |
| Number of cuts | per/min | 34 | 34 | 34 |
| Bench length | mm | 1660 | 2400 | 3400 |
| Bench width | mm | 425/640 | 425/680 | 425/680 |
| Table height | mm | 800 | 800 | 800 |
| Length | mm | 1860 | 2600 | 3600 |
| Width | mm | 700 | 700 | 700 |
| Height | mm | 1160 | 1160 | 1160 |
| Rear stop | mm | 640 | 640 | 640 |
| Angle stop | mm | 350 | 350 | 350 |
| Supply voltage | V | 24 | 24 | 24 |
| Motor voltage | V | 400 | 400 | 400 |
| | | 3-phase 50 Hz | 3-phase 50 Hz | 3-phase 50 Hz |
| Motor output | kW | 4 | 4 | 4 |
| Rated current | A | 10 | 10 | 10 |
| Weight | kg | 950 | 1200 | 1750 |
| Dito for Norway | 20845 | -5006 | -5105 | -5204 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Rated current | A | 16 | 16 | 16 |
| Special cutter for stainless steel | | (11200-1102) | (11195-1000) | (11195-1109) |
| Bench extender, 940 mm | 11195 | (-1208) | (-1208) | (-1208) |
| Sheet catcher, pneumatic flip type | 11195 | - | (-1307) | (-1406) |
| Motorised plate stop | 11195 | - | (-1505) | - |

Mechanical guillotines



Luna. Production guillotine with low sound level and optimal cutting quality. Compact and with a modern design for cutting thin sheet metal. The powerful, cast ends with adjustable slider guides provide a high cutting quality. The whole construction has smooth, painted surfaces to minimise the need for cleaning work. Power transmission is accomplished from a motor with an electro-magnetic brake via a chain connection to the main shaft. This draws the cutter beam to the material via two powerful eccentric systems. The perfect cut is guaranteed using the precisely adjusted cutting column and high quality cutters and the automatic rubber-covered plate holder. A lubricant-free layer of Teflon and lubricant-free slide guides result in high dependability and minimal requirements for maintenance. Long life - 4 cutting surfaces on each knife.

Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, table with T-slot on the front edge, manual plate stop 650 mm with millimetre counter which is set using a knob, cutting edge lighting, cut counter, movable 24 V foot switch, 2 table extensions 1000 mm with millimetre scale and T-slot, angle stop with millimetre scale and T-slot, jog function for reversing the blade and electrically controlled safety shield.

Other sizes offered on request.

| | | | | | | |
|---|--------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Art. no. | 20834 | (-0109) | (-0208) | (-0307) | (-0406) | (-0505) |
| Luna | No | MSM 1000/40 | MSM 1000/50 | MSM 1250/40 | MSM 1250/50 | MSM 1500/30 |
| Design | | Motor | Motor | Motor | Motor | Motor |
| Cut length | mm | 1030 | 1030 | 1280 | 1280 | 1530 |
| Max. plate thickness (400 N/mm ²).. | mm | 4,0 | 5,0 | 4,0 | 5,0 | 3,0 |
| Cutting angle | | 2,4° | 2,4° | 1,9° | 2,4° | 1,7° |
| Number of cuts | per/min | 32 | 32 | 32 | 32 | 32 |
| Table height | mm | 750 | 750 | 750 | 750 | 750 |
| Length | mm | 1270 | 1270 | 1520 | 1520 | 1770 |
| Width | mm | 1520 | 1520 | 1520 | 1520 | 1520 |
| Height | mm | 1270 | 1270 | 1270 | 1270 | 1270 |
| Motor voltage | V | 230/400 | 230/400 | 230/400 | 230/400 | 230/400 |
| | | 3-phase 50 Hz | 3-phase 50 Hz | 3-phase 50 Hz | 3-phase 50 Hz | 3-phase 50 Hz |
| Motor output | kW | 3,0 | 4,0 | 4,0 | 5,5 | 3,0 |
| Weight | kg | 980 | 1040 | 1085 | 1120 | 1220 |
| Ditto for Norway | 20834 | -5009 | -5108 | -5207 | -5306 | -5405 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Special cutter for stainless steel | 11200 | (-1003) | (-1003) | (-1102) | (-1102) | (-1201) |
| Sheet catcher, pneumatic flip type | 11200 | (-1607) | (-1607) | (-1706) | (-1706) | (-1805) |

Folding machines

Hand driven



20837-0106

Luna. Easy to operate, lightweight, manual machines for bending of thin sheet material. The machines come with three types of top prisms for different profiles:

Type MFH-S: Has been designed with a segmental rail for manufacturing boxes and special profiles. The lower section can be removed for ease of transportation and for mounting on a bench. A radius bar cannot be supplied for this type of machine.

Type MFH-H: For manufacture of high ducts and narrow profiles.

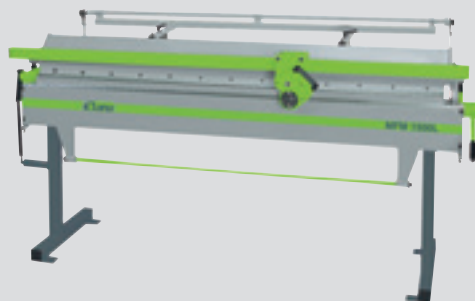
Type MFH-L: For standard bending and, thanks to the low top prism is also suitable for U-profiles and Z-profiles.

| | | | | | | |
|--|--------------|---------------------|----------------|----------------|---------------------|----------------|
| Art. no. | 20837 | -0106 | -0205 | -0304 | -0403 | -0502 |
| Luna | No | MFH 700S | MFH 700H | MFH 700L | MFH 1000S | MFH 1000H |
| Design | | Hand driven | Hand driven | Hand driven | Hand driven | Hand driven |
| Working length | mm | 650 | 650 | 650 | 1050 | 1050 |
| Max. plate thickness (400 N/mm ²) .. | mm | 1.5 | 1.8 | 2.0 | 1.25 | 1.25 |
| Bending angle | | 93° | 93° | 135° | 93° | 93° |
| Opening between the prisms | mm | 42 | 35 | 38 | 35 | 42 |
| Length | mm | 860 | 860 | 860 | 1260 | 1260 |
| Width | mm | 510 | 510 | 510 | 510 | 510 |
| Height | mm | 1070 | 1040 | 1000 | 1070 | 1040 |
| Discharge springs | | - | - | - | - | - |
| Weight | kg | 78 | 69 | 65 | 111 | 98 |
| Rear plate stop, 50-545 mm | 11155 | (-1008) | (-1008) | (-1008) | (-1107) | (-1107) |
| Radius bar R=2.5 mm | 11155 | - | (-1305) | (-1404) | - | (-1503) |
| Bench fitting | 11155 | (-1909) | (-1909) | (-1909) | (-1909) | (-1909) |
| Roller shears | | - | - | - | - | - |
| Art. no. | 20837 | -0601 | -0700 | (-0809) | -0908 | |
| Luna | No | MFH 1000L | MFH 1300S | MFH 1300H | MFH 1300L | |
| Design | | Hand driven | Hand driven | Hand driven | Hand driven | |
| Working length | mm | 1050 | 1350 | 1350 | 1350 | |
| Max. plate thickness (400 N/mm ²) .. | mm | 1.25 | 1.20 | 1.20 | 1.20 | |
| Bending angle | | 135° | 93° | 93° | 135° | |
| Opening between the prisms | mm | 40 | 35 | 35 | 28 | |
| Length | mm | 1260 | 1560 | 1560 | 1560 | |
| Width | mm | 510 | 510 | 510 | 510 | |
| Height | mm | 1000 | 1070 | 1040 | 1000 | |
| Discharge springs | | - | - | - | Inkl. | |
| Weight | kg | 89 | 135 | 115 | 108 | |
| Rear plate stop, 50-545 mm | 11155 | (-1107) | (-1206) | (-1206) | (-1206) | |
| Radius bar R=2.5 mm | 11155 | (-1602) | - | (-1701) | (-1800) | |
| Bench fitting | 11155 | (-1909) | (-1909) | (-1909) | (-1909) | |
| Roller shears | | (11155-3004) | - | - | (20837-1005) | |

Sheet metal machines

Folding machines

Hand driven



Luna. Easy to operate, lightweight, manual machines for bending of thin sheet material. The machines come with three types of top prisms for different profiles:
For standard bending and, thanks to the low top prism is also suitable for U-profiles and Z-profiles.

| Art. no. | 20852 | (-0106) | (-0205) | (-0304) |
|---|--------------|----------------|----------------|----------------|
| Luna | No | MF 1500L | MFH 2000L | MFH 3000L |
| Design | | Hand driven | Hand driven | Hand driven |
| Working length..... | mm | 1500 | 2020 | 3020 |
| Max. plate thickness (400 N/mm ²) | mm | 1.5 | 1.0 | 1.0 |
| Bending angle | | 135° | 135° | 135° |
| Opening between the prisms | mm | 45 | 42 | 45 |
| Length | mm | 1520 | 2320 | 3400 |
| Width | mm | 640 | 630 | 765 |
| Height | mm | 1100 | 1100 | 1390 |
| Discharge springs | | incl. | incl. | incl. |
| Weight | kg | 329 | 385 | 780 |
| <i>Rear plate stop, 50-545 mm</i> | <i>11155</i> | <i>-</i> | <i>(-2006)</i> | <i>-</i> |
| <i>Radius bar R=2.5 mm</i> | <i>11155</i> | <i>(-2105)</i> | <i>(-2204)</i> | <i>(-2303)</i> |
| <i>Bench fitting</i> | <i>11155</i> | <i>(-1909)</i> | <i>(-1909)</i> | <i>(-1909)</i> |
| <i>Roller shears</i> | <i>20852</i> | <i>-</i> | <i>(-0502)</i> | <i>(-0601)</i> |
| Max. thickness of plate, zinc | mm | - | 0.8 | 0.8 |

LunaBrand

Foot-operated

Luna. Powerful, well-dimensioned machines specially designed for professional use. A compact, fully-welded design of extremely high quality, where the emphasis is primarily on simple, ergonomically correct handling and minimal maintenance. Designed with foot-operated tightening for the top prism, allowing a particularly simple and rapid procedure that frees up both hands for adjusting the bend material. There are 25 mm recesses on the sides of the top, bottom and bend prism used for bending profiles with sides bent upwards.

Relief springs are standard for weight equalisation of the folding beam, which guarantees perfect and trouble free folding.

The models have segmented sharp rails for folding box sections up to a maximum edge height of 26 mm.

Supplied as standard with a 15 mm feed bar.

| Art. no. | 20838 | -0105 | -0204 |
|---|--------------|----------------|----------------|
| Luna | No | MFF 2S | MFF 3S |
| Design | | Foot op. | Foot op. |
| Working length | mm | 1020 | 1270 |
| Max. plate thickness (400 N/mm ²) | mm | 2.5 | 2.0 |
| Bending angle | | 135° | 135° |
| Opening between the prisms | mm | 48 | 48 |
| Length | mm | 1348 | 1598 |
| Width | mm | 850 | 900 |
| Height | mm | 1175 | 1175 |
| Discharge springs | | incl. | incl. |
| Weight | kg | 285 | 330 |
| <i>Rear plate stop 80-545 mm</i> | <i>11150</i> | <i>(-1003)</i> | <i>(-1003)</i> |
| <i>Insert bar 10 mm</i> | <i>11150</i> | <i>(-1805)</i> | <i>(-1904)</i> |
| <i>Insert bar 20 mm</i> | <i>11150</i> | <i>(-2100)</i> | <i>(-2209)</i> |

Folding machines

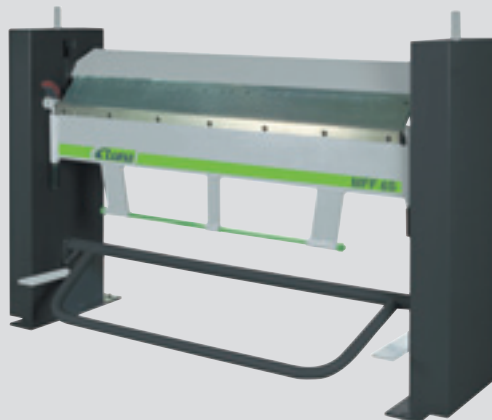
Foot-operated

Luna. Powerful, well-dimensioned machines specially designed for professional use. A compact, fully-welded design of extremely high quality, where the emphasis is primarily on simple, ergonomically correct handling and minimal maintenance. There are 25 mm recesses on the sides of the top, bottom and bend prism used for bending profiles with sides bent upwards.

Designed with foot operated clamping of the upper beam, whereby you obtain an especially easy and quick working method as both hands are free to set the material to be folded.

The models have segmented sharp rails for folding box sections up to a maximum edge height of 62 mm for MFF-6S and 74 mm for MFF-7S/MFF-8S.

Supplied as standard with relief-spring for weight equalisation on the folding beam, which guarantees perfect and trouble-free folding, angle stop on the folding carriage and insert rail 20 mm.



20853-0105

| Art. no. | 20853 | -0105 | -0204 | -0303 |
|---|--------------|----------------|----------------|----------------|
| Luna | No | MFF 6S | MFF 7S | MFF 8S |
| Design | | Foot op. | Foot op. | Foot op. |
| Working length | mm | 1500 | 2020 | 2520 |
| Max. plate thickness (400 N/mm ²) | mm | 2.0 | 1.5 | 1.25 |
| Bending angle | | 135° | 135° | 135° |
| Opening between the prisms | mm | 52 | 52 | 52 |
| Length | mm | 2375 | 2565 | 3070 |
| Width | mm | 680 | 560 | 560 |
| Height | mm | 1150 | 1265 | 1265 |
| Discharge springs | | incl. | incl. | Incl. |
| Weight | kg | 484 | 572 | 660 |
| Rear plate stop, 80-800 mm | 11150 | (-3801) | (-2407) | (-2407) |
| Insert bar 10 mm | 11150 | - | (-3207) | - |
| Insert bar 15 mm | 11150 | - | - | (-3306) |
| Insert bar 20 mm | 11150 | - | (-3504) | - |
| Insert bar 30 mm | 11150 | - | - | (-3603) |

Luna. Trimming machines with segmental upper, lower and folding beams for bending in the opposite direction, allowing a huge number of options for bending special profiles. Has a powerful, fully-welded design with foot-operated tightening for the top prism, allowing a particularly simple and rapid procedure that frees up both hands for adjusting the bend material. The segment modules can be joined with 5 mm increments from 25 mm to the full length.

Supplied as standard with an angle stop on the bend prism with a discharge spring for load compensation, which guarantees perfect, problem free bending for optimal management and maximum load.



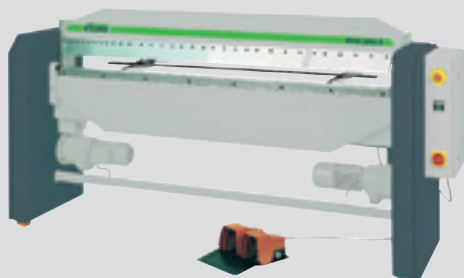
20854-0104

| Art. no. | 20854 | -0104 | -0203 |
|---|--------------|----------------|----------------|
| Luna | No | MFF 2 3SH | MFF 3 3SH |
| Design | | Foot op. | Foot op. |
| Working length | mm | 1020 | 1270 |
| Max. plate thickness (400 N/mm ²) | mm | 2.5 | 2.0 |
| Bending angle | | 150° | 150° |
| Lift height upper beam | mm | 45 | 45 |
| Length | mm | 1348 | 1598 |
| Width | mm | 850 | 900 |
| Height | mm | 1250 | 1250 |
| Discharge springs | | incl. | incl. |
| Weight | kg | 385 | 415 |
| Rear plate stop, 35-545 mm | 11150 | (-3702) | (-3702) |

Sheet metal machines

Folding machines

Motor driven



Luna. Motor-driven folding machines with full-welded structure and a modern design featuring segmented sharp rail that can fold profiles up to an edge height of 77 mm. Clamping of the upper beam is done using an electronically controlled motor. Controlled by a foot pedal. The folding angle is variably adjustable between 0 - 180° with handwheel. The cycle time for a 90° fold is 4.5 seconds.

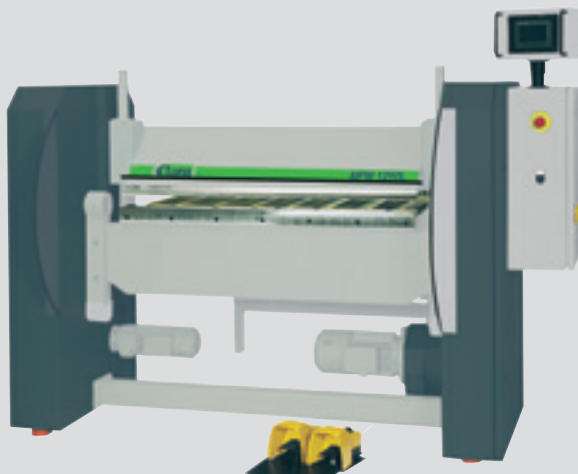
Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out with zero voltage tripping, foot pedal with "deadman function" and automatic carriage return for 25 mm safe opening.

LunaBrand

| | | | | |
|---|--------------|-----------------|-----------------|-----------------|
| Art. no. | 20835 | (-0108) | (-0207) | (-0306) |
| Luna | No | MFM 1000 S | MFM 1250 S | MFM 1500 S |
| Design | | Foot op. | Foot op. | Foot op. |
| Working length | mm | 1020 | 1270 | 1520 |
| Max. plate thickness (400 N/mm ²) | mm | 2.25 | 2.0 | 1.75 |
| Bending angle | | 135° | 135° | 135° |
| Top bedplate lifting height | mm | 100 | 100 | 100 |
| Length | mm | 1670 | 1920 | 2170 |
| Width | mm | 625 | 625 | 625 |
| Height | mm | 1120 | 1120 | 1120 |
| Sound level | dB (A) | 71 | 71 | 71 |
| Supply voltage | V DC | 24 | 24 | 24 |
| Motor voltage | V | 230/400 3-phase | 230/400 3-phase | 230/400 3-phase |
| Motor output bend bedplate | kW | 50 Hz | 50 Hz | 50 Hz |
| Rated current – see below | A | 0.75 | 0.75 | 0.75 |
| Motor voltage | V | * | * | * |
| Motor output supply current | kW | 230/400 3-phase | 230/400 3-phase | 230/400 3-phase |
| Rated current *Total | A | 50 Hz | 50 Hz | 50 Hz |
| Weight | kg | 10 | 10 | 10 |
| Weight | kg | 600 | 660 | 730 |
| Ditto for Norway | 20835 | -5008 | -5107 | -5206 |
| Motor voltage | V | 230 3-phase | 230 3-phase | 230 3-phase |
| Rated current Total | A | 50 Hz | 50 Hz | 50 Hz |
| | | 10 | 10 | 10 |
| Art. no. | 20835 | (-0405) | (-0504) | (-0603) |
| Luna | No | MFM 2000 S | MFM 2500 S | MFM 3000 S |
| Design | | Foot op. | Foot op. | Foot op. |
| Working length | mm | 2020 | 2520 | 3020 |
| Max. plate thickness (400 N/mm ²) | mm | 1.5 | 1.0 | 1.0 |
| Bending angle | | 135° | 135° | 135° |
| Top bedplate lifting height | mm | 100 | 100 | 100 |
| Length | mm | 2670 | 3170 | 3670 |
| Width | mm | 625 | 625 | 625 |
| Height | mm | 1170 | 1170 | 1205 |
| Sound level | dB (A) | 71 | 71 | 71 |
| Supply voltage | V DC | 24 | 24 | 24 |
| Motor voltage | V | 230/400 3-phase | 230/400 3-phase | 230/400 3-phase |
| Motor output bend bedplate | kW | 50 Hz | 50 Hz | 50 Hz |
| Rated current – see below | A | 0.75 | 0.75 | 0.75 |
| Motor voltage | V | * | * | * |
| Motor output supply current | kW | 230/400 3-phase | 230/400 3-phase | 230/400 3-phase |
| Rated current *Total | A | 50 Hz | 50 Hz | 50 Hz |
| Weight | kg | 10 | 10 | 10 |
| Weight | kg | 970 | 1200 | 1500 |
| Ditto for Norway | 20835 | -5305 | -5404 | -5503 |
| Motor voltage | V | 230 3-phase | 230 3-phase | 230 3-phase |
| Rated current Total | A | 50 Hz | 50 Hz | 50 Hz |
| | | 10 | 10 | 10 |

Folding machines

Motor driven



Luna. Motor-driven folding machines with full-welded design and a modern design and with lubrication and maintenance-free slider guides. The undercarriage can be lowered to compensate for the use of a radius bar. The upper beam is clamped by means of an electronically-controlled motor. Controlled by a foot pedal. The folding angle is variably adjustable between 0 - 180° with handwheel. Supplied complete with 1-speed motor - enclosure protection class IP 54, motor cut-out med zero voltage tripping, two-hand tripping.

| Art. no. | 20836 | (-0107) | (-0206) | (-0305) | (-0404) | (-0503) |
|---|--------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Luna No | | MFM 1250L | MFM 1500L | MFM 2000L | MFM 2500L | MFM 3000L |
| Design | | Foot op. | Foot op. | Foot op. | Foot op. | Foot op. |
| Working length | mm | 1270 | 1520 | 2020 | 2520 | 3020 |
| Max. plate thickness (400 N/mm ²) | mm | 4.0 | 3.5 | 3.0 | 2.5 | 2.0 |
| Bending angle | | 135° | 135° | 135° | 135° | 135° |
| Top bedplate lifting height | mm | 200 | 200 | 200 | 200 | 200 |
| Length | mm | 2185 | 2435 | 2935 | 3435 | 3935 |
| Width | mm | 1070 | 1070 | 1070 | 1070 | 1070 |
| Height | mm | 1530 | 1530 | 1530 | 1530 | 1530 |
| Sound level | dB (A) | 71 | 71 | 71 | 71 | 71 |
| Supply voltage | V DC | 24 | 24 | 24 | 24 | 24 |
| Motor voltage | V | 230/400 | 230/400 | 230/400 | 230/400 | 230/400 |
| Motor output bend bedplate | kW | 3-phase 50 Hz 3.0 | 3-phase 50 Hz 3.0 | 3-phase 50 Hz 3.0 | 3-phase 50 Hz 3.0 | 3-phase 50 Hz 3.0 |
| Motor voltage | V | 230/400 | 230/400 | 230/400 | 230/400 | 230/400 |
| Motor output supply current | kW | 3-phase 50 Hz 0.37 | 3-phase 50 Hz 0.37 | 3-phase 50 Hz 0.37 | 3-phase 50 Hz 0.37 | 3-phase 50 Hz 0.37 |
| Rated current *Total | A | 12 | 12 | 12 | 12 | 12 |
| Weight | kg | 2000 | 2500 | 2800 | 3400 | 4000 |
| Ditto for Norway | 20836 | -5007 | -5106 | -5205 | -5304 | -5403 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Rated current Total | A | 17 | 17 | 17 | 17 | 17 |

Bending rolls

Hand driven



With support



Luna. Manually-operated bending rollers in asymetrical design with centreless ground rollers from 25 to 45 mm. The machine ends are executed in anodised solid aluminium. Application of the bottom roller and bend roller is done with wheels. The bend roller can also be inclined for bending cones. The top roller can be easily swung out to remove the completed materials.

| | | | | | |
|--|-------------|----------------|----------------|----------------|----------------|
| Art. no. | 4126 | (-0100) | (-0209) | (-0308) | -0407 |
| Luna | MBA- | 208 H | 306 H | 209 H | 307 H |
| Working length | mm | 210 | 360 | 210 | 360 |
| Roll diameter | mm | 25 | 25 | 30 | 30 |
| Max. plate thickness (400 N/mm ²) .. | mm | 0.8 | 0.6 | 0.9 | 0.7 |
| Weight | kg | 13 | 15 | 16 | 19 |
| Stand. | 4126 | (-0902) | (-1009) | (-0902) | (-1009) |
| Art. no. | 4126 | (-0506) | (-0605) | (-0704) | -0803 |
| Luna | MBA- | 310 H | 508 H | 312 H | 509 H |
| Working length | mm | 360 | 510 | 360 | 510 |
| Roll diameter | mm | 40 | 40 | 45 | 45 |
| Max. plate thickness (400 N/mm ²) .. | mm | 1.0 | 0.8 | 1.2 | 0.9 |
| Weight | kg | 23 | 29 | 27 | 33 |
| Stand. | 4126 | (-1009) | (-1108) | (-1009) | (-1108) |



Luna. In asymmetrical design. Both gear wheels for the gear and roller gear are located on the left end which makes it possible to always work clockwise, regardless of whether the gear is used or not. The top roller is very easy to swing out for removal of ready pipes. The bottom roller is attached with a wheel on the right-hand side of the machine. The bend roller is easily adjustable via a worm gear with another wheel on the front right-hand side. Lower roller and bending roller have four different flute for rolling rod inserts. Bending roller can be offset for rolling cones.

Size 6/15 without gear change.

Other sizes with gear changing that can be released in one simple operation.

Brochure on request 9999-4279.

The machines are also available with an underframe made of steel tube.

| | | | | |
|--|-------------|--------------|--------------|----------------|
| Art. no. | 8905 | -0058 | -0108 | (-4100) |
| Luna | MBE- | 615 H | 1010 H | 1012 H |
| Exchanging | | without | with | with |
| Working length | mm | 675 | 1020 | 1020 |
| For max. plate thickness (400 N/mm ²) .. | mm | 1.5 | 1 | 1.2 |
| Top and bottom roller diameter | mm | 50 | 50 | 55 |
| Rear roller diameter | mm | 55 | 55 | 55 |
| Net weight | kg | 90 | 115 | 125 |
| Stand. | 8905 | -0173 | -0207 | -0207 |

Bending rolls

Hand driven

Luna. Asymmetrical machine equipped with three cambered rollers. The top roller can be swung out for easy removal of the rolled plate. The bottom roller is attached with a wheel on the right-hand end of the machine. The rear roller is set with a level and ratchet quadrant. The roller can also be tilted for conical bends. Bottom and rear rollers have four different grooves for bending wiring.

The machine is supplied with cambered rollers, gears and can be obtained with a steel tube underframe.



| Art. no. | 4132 | -0102 | -0201 | -0300 |
|---|-------------|--------------|--------------|--------------|
| Luna | MBK-620 H | 1015 H | 1015 H | 1212 H |
| Working length | mm 675 | 1020 | 1020 | 1270 |
| For max. plate thickness (400 N/mm ²) | mm 2 | 1.5 | 1.25 | |
| Top and bottom roller diameter | mm 60 | 60 | 60 | |
| Rear roller diameter | mm 65 | 65 | 65 | |
| Net weight | kg 140 | 175 | 215 | |
| Lower beam | 4132 | -0458 | -0508 | -0607 |



Luna. Simple, stable machine. The rollers are situated symmetrically and all are cambered. The bottom rollers are mounted securely, while the bottom rollers are adjustable using two screw spindles and can be tilted for conical bending. One side clamp is foldable so that the bent workpiece can be removed.

Conical bending device: suits all sizes and can only be ordered with the machine.

| | | | | | | |
|--|-------------|----------------|----------------|----------------|----------------|----------------|
| Art no. | 8263 | -0104 | (-0203) | (-0302) | -0609 | (-0708) |
| Luna | MBS-1035 H | 1050 H | 1050 H | 1060 H | 1230 H | 1240 H |
| Working length | mm 1025 | 1020 | 1020 | 1020 | 1275 | 1270 |
| For max. thickness of plate (400 N/mm ²) | mm 3.5 | 5 | 6 | 3 | 4 | 4 |
| Top roller diameter | mm 90 | 100 | 110 | 90 | 100 | 100 |
| Bottom roller diameter | mm 80 | 90 | 100 | 80 | 90 | 90 |
| Net weight | kg 295 | 410 | 460 | 330 | 450 | |
| Art no. | 8263 | (-0807) | (-1102) | (-1201) | (-1300) | (-1607) |
| Luna | MBS-1250 H | 1525 H | 1535 H | 1540 H | 1715 H | 1770 H |
| Working length | mm 1270 | 1525 | 1525 | 1520 | 1770 | 1770 |
| For max. thickness of plate (400 N/mm ²) | mm 5 | 2.5 | 3.5 | 4 | 1.5 | 1.5 |
| Top roller diameter | mm 110 | 90 | 100 | 110 | 90 | 90 |
| Bottom roller diameter | mm 100 | 80 | 90 | 100 | 80 | 80 |
| Net weight | kg 510 | 365 | 490 | 560 | 400 | |
| Art no. | 8263 | (-1706) | (-1805) | (-2100) | (-2209) | (-2308) |
| Luna | MBS-1725 H | 1730 H | 2010 H | 2010 H | 2015 H | 2020 H |
| Working length | mm 1770 | 1770 | 2020 | 2020 | 2020 | 2020 |
| For max. thickness of plate (400 N/mm ²) | mm 2.5 | 3 | 1 | 1.5 | 2 | 2 |
| Top roller diameter | mm 100 | 110 | 90 | 100 | 110 | 110 |
| Bottom roller diameter | mm 90 | 100 | 80 | 90 | 100 | 100 |
| Net weight | kg 530 | 610 | 435 | 570 | 660 | |

Accessories

Conical bending device

8263

(-2605)

Bending rolls

Motor driven



Luna. The rollers are asymmetrically positioned and the top roller can be swung out for the removal of ready bent pipes. The bottom roller is attached with a wheel on the right-hand side of the machine. The bend roller is easily adjustable via a worm gear with another wheel on the front right-hand side. Lower roller and bending roller have 4 different slots for rolling rod inserts.

Supplied complete with motor 230/380V 3-phase, emergency stop button, emergency stop with wire, support with foot operated forwards and backwards switch. Working speed 5.5 m/min. Electrical equipment according to enclosure class IP 54.

| | | | | |
|---|-------------|----------------|----------------|----------------|
| Art. no. | 8905 | (-4209) | (-4308) | (-4407) |
| Luna | MBF- | 615 M | 1010 M | 1012 M |
| Working length | mm | 675 | 1020 | 1020 |
| For max. plate thickness (400 N/mm ²) | mm | 1.5 | 1 | 1.2 |
| Top and bottom roller diameter | mm | 50 | 50 | 55 |
| Rear roller diameter | mm | 55 | 55 | 55 |
| Feed speed | m/min | 5,4-5,9 | 5,4-5,9 | 5,4-5,9 |
| Motor voltage | V | 400 3-phase | 400 3-phase | 400 3-phase |
| Motor output | kW | 0.37 | 0.37 | 0.37 |
| Net weight | kg | 170 | 205 | 245 |
| Ditto for Norway | 8905 | (-4506) | (-4605) | (-4704) |
| Motor voltage | V | 230 3-phase | 230 3-phase | 230 3-phase |



Luna. With worm gear motor. The rollers are placed asymmetrically and all are cambered to provide uniform bends. The top roller can be swung out for the removal of ready bent pipes. Attaching the rear roller is done with a lever. The bottom roller with a wheel. The top and bottom rollers are equipped with four different grooves for bending work objects with wiring. The rear roller can also angled for rolling cones.

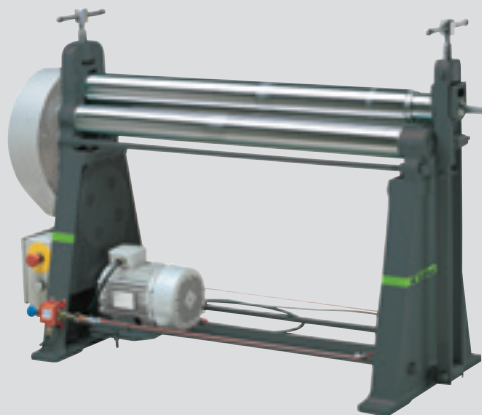
Supplied complete with brake motor 230/400 volt 3-phase 50 Hz, emergency stop button, emergency stop med wire, lower stand and foot operated forward and reverse switch with supply voltage 24 V. Working speed 5.5 m/min. Electrical equipment according to enclosure protection class IP 54. Other working lengths than those in the table quoted on request.

Brochure on request 9999-4279.

| | | | | |
|---|-------------|----------------------|----------------------|-----------------------|
| Art. no. | 4135 | (-0109) | (-0208) | (-0307) |
| Luna | MBL- | 620 M | 1015 M | 1212 M |
| Working length | mm | 675 | 1010 | 1260 |
| For max. plate thickness (400 N/mm ²) | mm | 2 | 1.5 | 1.25 |
| Top and bottom roller diam. | mm | 60 | 60 | 60 |
| Rear roller diameter | mm | 65 | 65 | 65 |
| Motor output | kW | 0.5 | 0.5 | 0.5 |
| Weight | kg | 180 | 215 | 255 |
| Ditto for Norway | 4135 | (-0455) | (-0406) | (-0505) |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz | 230 3-phase 580 Hz |
| Frequency control | 4135 | (-0604) | (-0604) | (-0604) |

Bending rolls

Motor driven



Luna. Simple, stable machine. The rollers are sited symmetrically and all are cambered. The bottom rollers are mounted securely, while the top roller is adjustable using two screw spindles and can be tilted for conical bending. One side clamp is foldable so that bent work objects can be removed. The two bottom rolls are driven by means of a V-belt and gear wheels. Working speed 6 m/min.

Supplied complete with 230/400 volt 3-phase 50 Hz brake motor by alternating current - protection class IP 54, foot-operated forward and reverse change-over switch with 24 V control voltage and emergency stop button and emergency stop with wire. Conical bending can only be ordered with the machine.

Brochure on request 9999-4279.

| | | | | | | | | |
|--|-------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| Art. no. | 8264 | (-0103) | (-0202) | (-0301) | (-0400) | (-0509) | (-0608) | (-0707) |
| Luna | MBT-1035 M | 1050 M | 1060 M | 1070 M | 1080 M | 1230 M | 1240 M | 1240 M |
| Working length | mm 1020 | 1020 | 1020 | 1020 | 1020 | 1270 | 1270 | 1270 |
| For max. thickness of plate (400 N/mm ²) | mm 3.5 | 5 | 6 | 7 | 8 | 3 | 4 | 4 |
| Top roller diameter | mm 90 | 100 | 110 | 120 | 130 | 90 | 100 | 100 |
| Bottom roller diameter | mm 80 | 90 | 100 | 110 | 120 | 80 | 90 | 90 |
| Motor power at 900 r/min | kW 0.75 | 1.1 | 1.1 | 1.5 | 1.5 | 0.75 | 1.1 | 1.1 |
| Weight | kg 310 | 430 | 480 | 670 | 725 | 345 | 470 | 470 |
| Art. no. | 8264 | (-0806) | (-0905) | (-1002) | (-1101) | (-1200) | (-1309) | (-1408) |
| Luna | MBT-1250 M | 1260 M | 1270 M | 1270 M | 1525 M | 1535 M | 1540 M | 1550 M |
| Working length | mm 1270 | 1270 | 1270 | 1270 | 1525 | 1525 | 1525 | 1525 |
| For max. thickness of plate (400 N/mm ²) | mm 5 | 6 | 7 | 2.5 | 3.5 | 4 | 5 | 5 |
| Top roller diameter | mm 110 | 120 | 130 | 90 | 100 | 110 | 120 | 120 |
| Bottom roller diameter | mm 100 | 110 | 120 | 80 | 90 | 100 | 110 | 110 |
| Motor power at 900 r/min | kW 1.1 | 1.5 | 1.5 | 0.75 | 1.1 | 1.1 | 1.5 | 1.5 |
| Weight | kg 530 | 730 | 795 | 380 | 510 | 580 | 790 | 790 |
| Art. no. | 8264 | (-1507) | (-1606) | (-1705) | (-1804) | (-1903) | (-2000) | (-2109) |
| Luna | MBT-1560 M | 1715 M | 1725 M | 1730 M | 1740 M | 1750 M | 2010 M | 2010 M |
| Working length | mm 1525 | 1770 | 1770 | 1770 | 1770 | 1770 | 2020 | 2020 |
| For max. thickness of plate (400 N/mm ²) | mm 6 | 1.5 | 2.5 | 3 | 4 | 5 | 1 | 1 |
| Top roller diameter | mm 130 | 90 | 100 | 110 | 120 | 130 | 80 | 90 |
| Bottom roller diameter | mm 120 | 80 | 90 | 100 | 110 | 120 | 80 | 80 |
| Motor power at 900 r/min | kW 1.5 | 0.75 | 1.1 | 1.1 | 1.5 | 1.5 | 0.75 | 0.75 |
| Weight | kg 865 | 415 | 550 | 630 | 850 | 935 | 450 | 450 |
| Art. no. | 8264 | (-2208) | (-2307) | (-2406) | (-2505) | (-2604) | (-2703) | (-2802) |
| Luna | MBT-2015 M | 2020 M | 2030 M | 2040 M | 2510 M | 2515 M | 2520 M | 2520 M |
| Working length | mm 2020 | 2020 | 2020 | 2020 | 2520 | 2520 | 2520 | 2520 |
| For max. thickness of plate (400 N/mm ²) | mm 1.5 | 2 | 3 | 4 | 1 | 1.5 | 2 | 2 |
| Top roller diameter | mm 100 | 110 | 120 | 130 | 110 | 120 | 130 | 130 |
| Bottom roller diameter | mm 90 | 100 | 110 | 120 | 100 | 110 | 120 | 120 |
| Motor power at 900 r/min | kW 1.1 | 1.1 | 1.5 | 1.5 | 1.1 | 1.5 | 1.5 | 1.5 |
| Weight | kg 590 | 680 | 910 | 1005 | 780 | 1030 | 1145 | 1145 |

Accessories

Conical bending device

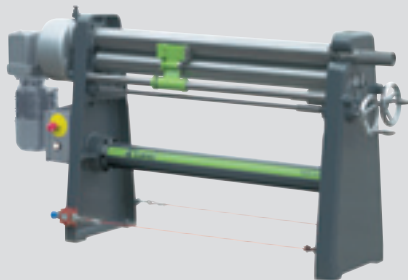
8263

(-2605)

Sheet metal machines

Bending rolls

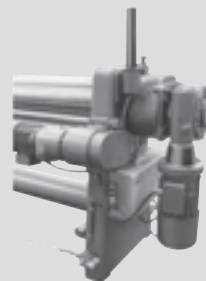
Motor driven



Konbäcknings-anordning



Släpsko



Motordriven böjvals nödstoppsutr. och bromsmotor

Luna. Modern easily operated machine. The rollers are placed asymmetrically and all are cambered to provide uniform bends. Driving of the top and bottom rollers is done from the worm gear motor. The top roller is easy to swing out for removal of ready bent pipes. All rollers are needle bearing mounted. Attachment of bottom roller and bend roller is accomplished with wheels via worm gears. Working speed 4.5 m/min.

Supplied with complete 230/400 V 3-phase motor – protection class IP 54, foot-operated forward and reverse change-over switch with 24 V control voltage and emergency stop button, emergency stop with wire plus scales for bend roller.

On request the machines can be equipped with (see table). Cone rolling device (inclined incl. collector shoe). Motor driven application of the bending rollers, motor driven application of the lower rollers, portable control panel, frequency control and digital display for the bending rollers (requires 2 for rolling cones) and digital display on the lower rollers. Hardened and ground rollers or adiprene coated rollers quoted on request.

| Artnr | 8266 | (-0127) | (-0143) | (-0168) | (-0184) | (-0010) | (-0028) | (-0036) | (-0044) | (-0051) | (-0069) | (-0077) |
|--|------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| Luna | MBR-1025 M | 1220 M | 1515 M | 2010 M | 1030 M | 1225 M | 1520 M | 2015 M | 1040 M | 1235 M | 1530 M | |
| Working length | mm | 1040 | 1290 | 1540 | 2040 | 1040 | 1290 | 1540 | 2040 | 1040 | 1290 | 1540 |
| For max. pl.-tjl. (400 N/mm ²) | mm | 2.5 | 2 | 1.5 | 1 | 3 | 2.5 | 2 | 1.5 | 4 | 3.5 | 3 |
| Roller. diam. | mm | 80 | 80 | 80 | 80 | 90 | 90 | 90 | 90 | 100 | 100 | 100 |
| Motor output | kW | 0,75 | 0,75 | 0,75 | 0,75 | 0,75 | 0,75 | 0,75 | 0,75 | 1,1 | 1,1 | 1,1 |
| Weight | kg | 400 | 440 | 480 | 560 | 440 | 490 | 530 | 625 | 665 | 725 | 785 |
| Artnr | 8266 | (-0085) | (-0093) | (-0101) | (-0200) | (-0309) | (-0507) | (-0549) | (-1208) | (-1307) | (-1406) | (-1505) |
| Luna | MBR-2020 M | 2510 M | 1050 M | 1245 M | 1540 M | 2025 M | 2515 M | 1055 M | 1250 M | 1545 M | 2030 M | |
| Working length | mm | 2040 | 2540 | 1040 | 1290 | 1540 | 2040 | 2540 | 1040 | 1290 | 1540 | 2040 |
| For max. pl.-tjl. (400 N/mm ²) | mm | 2 | 1 | 5 | 4.5 | 4 | 2.5 | 1.5 | 5.5 | 5 | 4.5 | 3 |
| Roller. diam. | mm | 100 | 100 | 110 | 110 | 110 | 110 | 110 | 120 | 120 | 120 | 120 |
| Motor output | kW | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 |
| Weight | kg | 905 | 1025 | 700 | 770 | 840 | 975 | 1110 | 745 | 825 | 905 | 1060 |
| Artnr | 8266 | (-1554) | (-1604) | (-1703) | (-1802) | (-1901) | (-1950) | (-2008) | (-2107) | (-2206) | (-2305) | (-2404) |
| Luna | MBR-2520 M | 1060 M | 1255 M | 1550 M | 2035 M | 2525 M | 1065 M | 1260 M | 1555 M | 2040 M | 2530 M | |
| Working length | mm | 2540 | 1040 | 1290 | 1540 | 2040 | 2540 | 1040 | 1290 | 1540 | 2040 | 2540 |
| For max. pl.-tjl. (400 N/mm ²) | mm | 2 | 6 | 5.5 | 5 | 3.5 | 2.5 | 6.5 | 6 | 5.5 | 4 | 3 |
| Roller. diam. | mm | 120 | 130 | 130 | 130 | 130 | 130 | 140 | 140 | 140 | 140 | 140 |
| Motor output | kW | 1,1 | 2,2 | 2,2 | 2,2 | 2,2 | 2,2 | 2,2 | 2,2 | 2,2 | 2,2 | 2,2 |
| Weight | kg | 1225 | 960 | 1055 | 1140 | 1320 | 1500 | 1015 | 1120 | 1220 | 1425 | 1630 |

| Tillbehör | 8266 |
|---|---------|
| Angular adjustment of the bend roller with collector shoe for 80/90 mm rollers incl. manual reading | (-0556) |
| Angular adjustment of bend roller for 100 -140 mm rollers incl. manual reading | (-0606) |
| Angular adjustment of bottom roller 80-140 mm | (-4715) |
| Digital avläsning 8266 per axel böj- och/eller undervals | (-4723) |
| Hand wheel with counter 8266 | (-4780) |
| Motor-driven application bending roller 80/90 mm rollers | (-0804) |
| Motor driven application bending roller 100-110/120 mm rollers | (-0903) |
| Motor-driven application bending roller 130/140 mm rollers | (-3006) |
| Motor-driven application bottom roller 80-90 mm rollers | (-3055) |
| Motor-driven application bottom roller 100-140 mm rollers | (-4004) |
| Floor stand for portable control panel | (-5001) |
| Control panel portable bending or bottom roller | (-5100) |
| Control panel portable bending + bottom roller | (-5209) |
| Frequency control 80-90 mm rollers | (-4301) |
| Frequency control 100-120 mm rollers | (-4400) |
| Frequency control 130-140 mm rollers | (-4509) |

Bending rolls

Motor driven

Four roll mill



Luna. Motor driven, CNC-controlled bending rolls with four driving rollers, fitted in a cassette system, easily replaced for several different diameters (40, 60, 70, 80, 90 mm).

Prebending and preparation performed without intermediate handling of the sheet.

The machine can bend both constant radii and elliptical profiles.

Supplied with a set of cambered steel rollers, connection voltage 400V and emergency stop functions with buttons and wires.

The machine can be customised with hardened and ground rollers, rollers with an Adiprene-coating, rollers with flutes and adjustable camber support, etc.

Prices and technical information on request.

Brochure on request 9999-4303.

| | | | | | | | |
|--|-------------|-----------------|-----------------|-----------------|-----------------|--------------|--------------|
| Art. no. | 8344 | 10/10-40 | 12/08-40 | 15/07-40 | 20/05-40 | 10/10 | 12/08 |
| Working length. | mm | 1008 | 1258 | 1508 | 2008 | 1020 | 1250 |
| Roll diameter. | mm | 40 | 40 | 40 | 40 | 60 | 60 |
| Max. sheet-metal thickness Alu 250 N/mm ² | mm | 1.0 | 0.8 | 0.7 | 0.5 | 1.5 | 1.2 |
| Max. sheet-metal thickness Steel 400 N/mm ² | mm | - | - | - | - | 1.0 | 0.8 |
| Motor output. | kW | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| Net weight. | kg | 650 | 700 | 750 | 850 | 700 | 750 |
| Art. no. | 8344 | 10/20 | 12/15 | 15/10 | 10/25 | 12/20 | 15/15 |
| Working length. | mm | 1040 | 1290 | 1540 | 1040 | 1290 | 1540 |
| Roll diameter. | mm | 70 | 70 | 70 | 80 | 80 | 80 |
| Max. sheet-metal thickness Alu 250 N/mm ² | mm | - | - | - | - | - | - |
| Max. sheet-metal thickness Steel 400 N/mm ² | mm | 2.0 | 1.5 | 1.0 | 2.5 | 2.0 | 1.5 |
| Motor output. | kW | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 |
| Net weight. | kg | 650 | 700 | 750 | 700 | 750 | 800 |
| Art. no. | 8344 | 20/10 | 10/30 | 12/25 | 15/20 | 20/15 | |
| Working length. | mm | 2040 | 1040 | 1290 | 1540 | 2040 | |
| Roll diameter. | mm | 80 | 90 | 90 | 90 | 90 | |
| Max. sheet-metal thickness Alu 250 N/mm ² | mm | - | - | - | - | - | |
| Max. sheet-metal thickness Steel 400 N/mm ² | mm | 1.0 | 3.0 | 2.5 | 2.0 | 1.5 | |
| Motor output. | kW | 0.75 | 0.75 | 0.75 | 0.75 | 0.75 | |
| Net weight. | kg | 850 | 750 | 800 | 850 | 900 | |

Laser sights



Luna. Laser sights, universal accessory that suits most of the stationary drilling machines currently on the market. The laser sight simplifies drilling.

The unique possibility to adjust the angle of the magnetic mounted laser units means you always achieve a linear laser sighting point. No tools required as magnets are used to attach all components.

The laser sight is powered by 2 batteries and is ignited by pushing a button and is automatically switched off after approx. 1 minute.

Supplied in display pack when purchasing 6 units.

Supplied without batteries.

Art. no.

20407

-0106

Drill chucks



Luna. Three-jaw key chucks. Key chuck with conical attachment hole recommended for electricity-powered portable machines.

(Drill chuck arbors, see page 337.)

Extra keys, see page 0000.

| Clamping width mm | Outside diam. mm | Length open mm | Spanner DIN 6349/4 | Drive | Art. no. |
|-------------------|------------------|----------------|--------------------|-------|----------|
| 0.5-10 | 34.5 | 49 | S 2 | B 12 | 20082 |
| 1-13 | 52 | 69 | S 3 | B 16 | -0108 |
| 3-16 | 49.5 | 75 | S 3 | B 18 | -0207 |
| 5-20 | 65 | 92 | S 4 | B 22 | -0306 |
| | | | | | -0405 |

Keyless



20086-0906



20086-1409

Luna. Quick-clamping and self-locking. Three-jaw. With ball bearing. The jaws are hardened and ground. With tapered mounting hole according to DIN 238 or with threaded mounting hole.

| Clamping width mm | Outside diam. mm | Length open mm | Weight g | Drive | Art. no. |
|-------------------|------------------|----------------|----------|--------|----------|
| 1-10 | 44 | 93 | 700 | B 12 | 20086 |
| 0-10 | 44 | 106 | 960 | B 16 | -0104 |
| 1-13 | 51 | 106 | 960 | B 16 | -0203 |
| 3-16 | 54 | 103 | 1240 | B 16 | -0401 |
| 3-16 | 54 | 103 | 1240 | B 18 | -0500 |
| 0-6.5 | 35 | 62.5 | 265 | 3/8x24 | -0609 |
| 0-8 | 35.8 | 70.5 | 390 | 3/8x24 | -0708 |
| 0-10 | 42.5 | 82.5 | 625 | 3/8x24 | -0807 |
| 1-13 | 46 | 95 | 890 | 1/2x20 | -0906 |
| 0.5-10 | 35.8 | 70.5 | 370 | 3/8x24 | -1003 |
| 0.5-10 | 35.8 | 70.5 | 355 | 1/2x20 | -1102 |
| 1-13 | 42.5 | 81.5 | 610 | 3/8x24 | -1201 |
| 1-13 | 42.5 | 81.5 | 610 | 1/2x20 | -1300 |
| 3-16 | 46 | 95 | 975 | 1/2x20 | -1409 |

For hammer drills



20088-0102



20088-0300

Luna. Safety chuck with mechanical locking system, specially designed for hammer drills. Three-jaw. The jaws are hardened and ground. With tapered mounting hole according to DIN 238 or with threaded mounting hole.

(Drill chuck arbors, see page 337.)

| Luna | Clamping width mm | Outside diam. mm | Length open mm | Weight g | Drive | Art. no. |
|----------|-------------------|------------------|----------------|----------|--------|----------|
| No | | | | | | 20088 |
| SU 13 SK | 1-13 | 42.5 | 75.3 | 490 | B 12 | -0102 |
| SU 13 SK | 1-13 | 41 | 94 | 500 | B 16 | -0201 |
| SU 10 SK | 0.5-10 | 37 | 78 | 405 | 3/8x24 | -0300 |
| SU 13 SK | 1-13 | 42.5 | 74 | 510 | 1/2x20 | -0409 |

Drill chucks

Precision chucks

Luna. Precision design with accuracy of roundness 0.05 mm for high speed and precision work. Quick-clamping. Three-jaw. With ball bearings. The jaws are hardened and ground. With tapered mounting hole according to DIN 238.



| | | | |
|---------------------------------|--------------|--------------|--------------|
| Art. no. | 20089 | -0101 | -0200 |
| Luna | No | 13 | 16 |
| Span width | mm | 1-13 | 1-16 |
| Outside diameter | mm | 51 | 54 |
| Mounting hole designation | | B 16 | B 18 |

Drill chuck mandrels

Luna. With tapered attachment according to SMS 711. For clamping of drill chucks with mounting hole according to SS 710 and DIN 239 in machines with MT attachment. Fully hardened and ground.



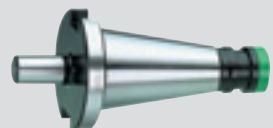
| Arbor tap designation | MT 1 | | MT 2 | | MT 3 | | MT 4 | |
|-----------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Art. no. | Total length mm | Art. no. | Total length mm | Art. no. | Total length mm | Art. no. | Total length mm |
| | 20506 | | 20506 | | 20506 | | 20506 | |
| B 10 | -0106 | 86 | -0502 | 102 | - | - | - | - |
| B 12 | -0205 | 89 | -0601 | 105 | -1005 | 129 | - | - |
| B 16 | -0304 | 97 | -0700 | 109 | -1104 | 133 | -1401 | 161 |
| B 18 | -0403 | 116 | -0809 | 116 | -1203 | 140 | -1500 | 168 |
| B 22 | - | - | -0908 | 127 | -1302 | 146 | -1609 | 175 |
| B 24 | - | - | - | - | -1708 | 167 | -1807 | 186 |

Luna. With cylindrical attachment. For clamping of drill chucks with mounting hole according to SS 710 and DIN 238 in milling machines and automatic machines. Clamping is done in a milling chuck or clamping sleeve. Fully hardened and ground.



| | | | | | | |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20912 | -0104 | -0203 | -0302 | -0401 | -0500 |
| Arbor tap designation..... | | B 10 | B 12 | B 16 | B 16 | B 18 |
| Shaft diameter×length | mm | 10×50 | 10×50 | 16×50 | 20×60 | 16×70 |

Luna. For setting up of drill chucks with tapered mounting holes in machines with ISO taper.



| | | | | |
|---------------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20890 | -0100 | -0209 | -0308 |
| Machine attachment according to | | DIN 2080 | DIN 2080 | DIN 2080 |
| Machine bracket | | ISO 30 | ISO 40 | ISO 50 |
| Drill chuck attachment | | B 16 | B 16 | B 16 |

Accessories



Chuck collets

Luna. Cylindrical with internal Morse taper. Precision manufactured. Fully hardened. Ground internally and externally.

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20916 | -0100 | -0209 | -0407 | -0605 |
| Ext. diameter | mm | 20 | 25 | 32 | 40 |
| Int. taper | MT | 1 | 2 | 3 | 4 |
| Overall length | mm | 75 | 100 | 120 | 152 |



Luna. Precision manufactured. Fully hardened. Ground internally and externally. Morse taper.

| | | | | | | | |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20504 | -0108 | -0207 | -0306 | -0405 | -0504 | -0603 |
| External/internal taper | No | 2/1 | 3/1 | 4/1 | 3/2 | 4/2 | 5/2 |
| For drill diameters | mm | 5-14 | 5-14 | 5-14 | 14.25-23 | 14.25-23 | 14.25-23 |
| Pack | qty | 1 | 1 | 1 | 1 | 1 | 1 |
| Art. no. | 20504 | -0702 | -0801 | -0900 | -1007 | -1106 | |
| External/internal taper | No | 4/3 | 5/3 | 5/4 | 6/4 | 6/5 | |
| For drill diameters | mm | 23.25-31.5 | 23.25-31.5 | 32-50 | 32-50 | 51-75 | |
| Pack | qty | 1 | 8 | 6 | 1 | 1 | |



Extension sleeves

Luna. Precision manufactured. Fully hardened. Ground internally and externally. Morse taper.

| | | | | | | |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20505 | -0107 | -0206 | -0305 | -0404 | -0503 |
| External/internal taper | No | 1/1 | 2/1 | 3/1 | 1/2 | 2/2 |
| For drills | mm | 5-14 | 5-14 | 5-14 | 14.25-23 | 14.25-23 |
| Overall length | mm | 145 | 160 | 175 | 160 | 175 |
| Art. no. | 20505 | -0602 | -0701 | -0800 | -0909 | -1006 |
| External/internal taper | No | 3/2 | 4/2 | 2/3 | 3/3 | 4/3 |
| For drills | mm | 14.25-23 | 14.25-23 | 23.25-31.5 | 23.25-31.5 | 23.25-31.5 |
| Overall length | mm | 194 | 215 | 196 | 215 | 240 |
| Art. no. | 20505 | -1105 | -1204 | -1303 | -1402 | -1501 |
| External/internal taper | No | 3/4 | 4/4 | 5/4 | 4/5 | 5/5 |
| For drills | mm | 32-50 | 32-50 | 32-50 | 51-75 | 51-75 |
| Overall length | mm | 240 | 265 | 300 | 300 | 335 |



Reducing sleeves

Luna. Sleeve that reduces from external ISO taper to internal MT attachment. Machine bracket according to DIN 2080

| | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20943 | -0107 | -0206 | -0305 | -0404 | -0503 |
| Machine bracket | ISO | 30 | 30 | 40 | 40 | 40 |
| Int. taper | | MT2 | MK 3 | MT2 | MK 3 | MK 4 |

Milling chucks

Luna. ER insert chuck. For tools such as shank-end mill, twist drill and screw cutting tools with cylindrical shaft (also with carrier plane). With straight shank. For attachment to milling chuck. For machining operations that require greater clearance or less collet diameter. Double slotted ER chuck collets which combine flexibility with a wide clamping range. High precision and great clamping force.

Separate insert chucks

| Art. no. | 20902 | -0205 | -0403 | -0502 |
|-------------------|-------|----------|----------|----------|
| ER dim. | 16 | 16 | 20 | 32 |
| Straight shank. | mm | 20 | 20 | 25 |
| Attachment length | mm | 100 | 100 | 80 |
| Tension area. | mm | 1.0-10.0 | 2.0-13.0 | 3.0-20.0 |

Sets (insert chuck with chuck collets)

| Art. no. | 20902 | -1005 | -1104 | -1203 |
|--------------------|-------|-------------------------|----------------------------------|----------------------|
| ER dim. | 16 | 16 | 20 | 32 |
| Straight shank. | mm | 20 | 20 | 25 |
| Attachment length | mm | 100 | 100 | 80 |
| Tension area. | mm | 2.0-10.0 | 3.0-13.0 | 5.0-20.0 |
| With chuck collets | mm | 3, 4, 5, 6, 7, 8, 9, 10 | 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 | 6, 8, 10, 12, 16, 20 |
| No. of collets | ea. | 8 | 10 | 6 |

Luna. ER milling chuck. For tools such as shank-end mill, twist drill and screw cutting tools with cylindrical shaft (also with carrier plane). With Morse taper. For double slotted ER chuck collets which combine flexibility with a wide clamping range. High precision and great clamping force.

Separate milling chucks

| Art. no. | 20903 | -0105 | -0204 | -0303 |
|------------------|-------|----------|-----------|----------|
| ER dim. | 20 | 20 | 32 | 32 |
| Machine bracket. | MT | 2 | 3 | 4 |
| Draw rod thread | | M 10×1.5 | M 12×1.75 | M 16×2.0 |
| Tension area. | mm | 2.0-13.0 | 3.0-20.0 | 3.0-20.0 |

Sets (milling chuck and clamping sleeves)

| Art. no. | 20903 | -1004 | -1103 | -1202 |
|--------------------|-------|----------------------------------|----------------------|----------------------|
| ER dim. | 20 | 20 | 32 | 32 |
| Machine bracket | MT | 2 | 3 | 4 |
| Draw rod thread | | M 10×1.5 | M 12×1.75 | M 16×2.0 |
| Tension area | mm | 4.0-13.0 | 5.0-20.0 | 5.0-20.0 |
| With chuck collets | mm | 4, 5, 6, 7, 8, 9, 10, 11, 12, 13 | 6, 8, 10, 12, 16, 20 | 6, 8, 10, 12, 16, 20 |
| No. of collets | ea. | 10 | 6 | 6 |



Insert chuck



Set



Milling chuck



Set



Milling chuck

Luna. ER milling chuck. For tools of the types end mill, twist drills and threading tools with a straight shank (also with flats). With machine taper. For double slotted ER chuck collets which combine flexibility with a wide clamping range. High precision and great clamping force. The sets contain collets in increments 1.0 mm (means that collet dimension 6 has the clamping range \varnothing 6-5 mm, 8 has a clamping range \varnothing 8-7 etc).

Separate milling chucks

| Art. no. | 20904 | -0203 | -0302 | -0906 | -1003 |
|-----------------------------|--------------|----------|----------|----------|----------|
| ER dim. | 32 | 32 | 40 | 32 | 40 |
| Machine bracket | DIN 2080 ISO | 30 | 30 | 40 | 40 |
| Collet dim./Clamping range. | mm | 3.0-20.0 | 4.0-26.0 | 3.0-20.0 | 4.0-26.0 |

Sets (milling chuck and chuck collets)

| Art. no. | 20904 | -3405 | -3603 | -3900 | -4106 |
|-----------------|--------------|--|--|--|--|
| ER dim. | 32 | 32 | 40 | 32 | 40 |
| Machine bracket | DIN 2080 ISO | 30 | 30 | 40 | 40 |
| Collet dim. | mm | 4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20 | 4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 22, 25, 26 | 4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20 | 4, 5, 6, 8, 10, 12, 13, 15, 16, 18, 20, 21, 22, 25, 26 |
| No. of collets | ea. | 11 | 15 | 11 | 15 |



Set

Milling chucks

Locking nuts

Luna. Locking nuts for milling chucks



Type A



Type B

| | | | | | |
|------------------|-------|--------|--------|--------|--------|
| Art. no | 20905 | -0103 | -0202 | -0400 | -0509 |
| ER dim. | | 16 | 20 | 32 | 40 |
| Thread dim. | M | 22×1.5 | 25×1.5 | 40×1.5 | 50×1.5 |
| Nut | type | A | A | B | B |

Milling chuck keys



Type A



Type B

Luna. Suitable for Luna milling chucks.

| | | | | | |
|---------------|-------|-------|-------|-------|-------|
| Art. no | 20906 | -0102 | -0201 | -0409 | -0508 |
| ER dim. | | 16 | 20 | 32 | 40 |
| Spanner | type | A | A | B | B |

Clamping sleeves



Luna. Separate ER chuck collets.

| | | | | | | | | | | | |
|-----------------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|----------|
| Art. no | 20899 | -0101 | -0200 | -0309 | -0408 | -0507 | -0606 | -0705 | -0804 | -0903 | -1000 |
| ER dim. | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 | 16 |
| Nom. diam. ... | mm | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Tension area .. | mm | 1.0-0.5 | 2.0-1.0 | 3.0-2.0 | 4.0-3.0 | 5.0-4.0 | 6.0-5.0 | 7.0-6.0 | 8.0-7.0 | 9.0-8.0 | 10.0-9.0 |
| Art. no | 20899 | -1109 | -1208 | -1307 | -1406 | -1505 | -1604 | | | | |
| ER dim. | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | | | |
| Nom. diam. ... | mm | 2 | 3 | 4 | 5 | 6 | 7 | | | | |
| Tension area .. | mm | 2.0-1.0 | 3.0-2.0 | 4.0-3.0 | 5.0-4.0 | 6.0-5.0 | 7.0-6.0 | | | | |
| Art. no | 20899 | -1703 | -1802 | -1901 | -2008 | -2107 | -2206 | | | | |
| ER dim. | 20 | 20 | 20 | 20 | 20 | 20 | 20 | | | | |
| Nom. diam. ... | mm | 8 | 9 | 10 | 11 | 12 | 13 | | | | |
| Tension area .. | mm | 8.0-7.0 | 9.0-8.0 | 10.0-9.0 | 11.0-10.0 | 12.0-11.0 | 13.0-12.0 | | | | |
| Art. no | 20899 | -3808 | -3907 | -4004 | -4103 | -4202 | -4301 | -4400 | -4509 | -4608 | |
| ER dim. | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | |
| Nom. diam. ... | mm | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | |
| Tension area .. | mm | 3.0-2.0 | 4.0-3.0 | 5.0-4.0 | 6.0-5.0 | 7.0-6.0 | 8.0-7.0 | 9.0-8.0 | 10.0-9.0 | 11.0-10.0 | |
| Art. no | 20899 | -4707 | -4806 | -4905 | -5001 | -5100 | -5209 | -5308 | -5407 | -5506 | |
| ER dim. | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | 32 | |
| Nom. diam. ... | mm | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | |
| Tension area .. | mm | 12.0-11.0 | 13.0-12.0 | 14.0-13.0 | 15.0-14.0 | 16.0-15.0 | 17.0-16.0 | 18.0-17.0 | 19.0-18.0 | 20.0-19.0 | |
| Art. no | 20899 | -5605 | -5704 | -5803 | -5902 | -6009 | -6108 | -6207 | -6306 | | |
| ER dim. | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | |
| Nom. diam. ... | mm | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | | |
| Tension area .. | mm | 5.0-4.0 | 6.0-5.0 | 7.0-6.0 | 8.0-7.0 | 9.0-8.0 | 10.0-9.0 | 11.0-10.0 | 12.0-11.0 | | |
| Art. no | 20899 | -6405 | -6504 | -6603 | -6702 | -6801 | -6900 | -7007 | -7106 | | |
| ER dim. | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | |
| Nom. diam. ... | mm | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | | |
| Tension area .. | mm | 13.0-12.0 | 14.0-13.0 | 15.0-14.0 | 16.0-15.0 | 17.0-16.0 | 18.0-17.0 | 19.0-18.0 | 20.0-19.0 | | |
| Art. no | 20899 | -7205 | -7304 | -7403 | -7502 | -7601 | -7700 | | | | |
| ER dim. | 40 | 40 | 40 | 40 | 40 | 40 | 40 | | | | |
| Nom. diam. ... | mm | 21 | 22 | 23 | 24 | 25 | 26 | | | | |
| Tension area .. | mm | 21.0-20.0 | 22.0-21.0 | 23.0-22.0 | 24.0-23.0 | 25.0-24.0 | 26.0-25.0 | | | | |



Luna. ER chuck collets in sets.

| | | | | | |
|---------------------------------|-------|----------|----------|----------|----------|
| Art. no | 20466 | -0104 | -0203 | -0401 | -0500 |
| ER dim. | | 16 | 20 | 32 | 40 |
| Clamping range (interval) | mm | 1.0-10.0 | 2.0-13.0 | 3.0-20.0 | 4.0-26.0 |
| No. of collets | ea. | (1) | (1) | (1) | (1) |
| | | 10 | 12 | 18 | 23 |

End mill arbors



Luna. End mill arbors. Short type. Attachment according to DIN 2080.

| Arbor diam. mm | ISO 30 Art. no. 20948 | ISO 40 Art. no. 20941 | ISO 50 Art. no. 20942 |
|----------------|-----------------------------|-----------------------------|-----------------------------|
| 16 | -0102 | -0109 | - |
| 22 | -0201 | -0208 | -0108 |
| 27 | -0300 | -0307 | -0207 |
| 32 | -0409 | -0406 | -0306 |
| 40 | - | -0505 | -0405 |

Locking screws



Luna. Cross screw for Luna end mill arbors.

| Art. no. | 20915 | -0101 | -0200 | -0309 | -0408 | -0507 |
|--------------------------|-------|-------|-------|-------|-------|-------|
| For arbor diameter | mm | 16 | 22 | 27 | 32 | 40 |

Taping chucks

Self-reversing

Luna. Self-reversing tapping chuck for vertical machining in machines with right hand work spindle. Suitable for both through holes and blind holes. With automatic reversing that quickly returns the tap when the set depth of thread has been achieved. Adjustable safety clutch torque in 4 levels plus spring-action length compensation.

Supplied including 2 drill chuck mandrels with Morse tapers 3 and 4, and 2 rubberflex collets.

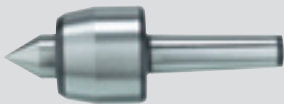
| | | | | |
|-----------------------------|--------------|--------------|--------------|--------------|
| Tapping chucks | 20559 | -0102 | -0201 | -0300 |
| Luna | No | JSN 7 | JSN 12 | JSN 20 |
| For taps | M | 2-6 | 5-12 | 8-20 |
| Outside diameter | mm | 52 | 74 | 90 |
| Speed | r/min | 200-500 | 100-300 | 50-200 |
| Drive | | B 16 | B 16 | B 22 |
| Drill chuck mandrel | MT | 3 and 4 | 3 and 4 | 3 and 4 |
| Chuck collets | 20559 | -0409 | -0508 | -0607 |
| For tapping chuck | | JSN 7 | JSN 7 | JSN 12 |
| Outside diameter | mm | 15.5 | 15.5 | 21 |
| Tension area | mm | 2.5-4.5 | 4.5-6.5 | 4.5-7.0 |
| Chuck collets | 20559 | -0706 | -0805 | -0904 |
| For tapping chuck | | JSN 12 | JSN 20 | JSN 20 |
| Outside diameter | mm | 21 | 26.5 | 26.5 |
| Tension area | mm | 7.5-10.0 | 7.0-9.0 | 9.5-14.0 |
| Drive jaws | 20559 | -1001 | -1100 | -1209 |
| Type | | JSN7 | JSN12 | JSN20 |



Lathe centres

Rotating

Luna. Lathe centres housed in ball bearings for processing of lighter workpieces.



| | | |
|------------------------------|-------|-------|
| Art. no. | 20991 | -0108 |
| Morse taper attachment | No | 3 |
| Centre housing ext. d. | mm | 50 |
| Radial precision | mm | 0.01 |
| Total length | mm | 148 |



Luna. Precision turning centre with ball-bearings, which is supplied in a complete set of 7 replaceable tips and a pusher. Accuracy 0.005 mm. Excellent when machining small work pieces. The set contains 2 standard points $\varnothing 13$, 1 x $\varnothing 9$ l=16, 1 x $\varnothing 7$ l=14, 1 x $\varnothing 5.5$ l=13, 1 x pipe centre insert $\varnothing 12$ -31, 1 x tapered centre insert $\varnothing 6$ (largest diam.) depth=3 mm.

| | | | |
|-----------------------------|-------|----------|----------|
| Art. no. | 20649 | -0104 | -0203 |
| Luna | No | MLC-6611 | MLC-6612 |
| Drive | MT | 2 | 3 |
| Centre housing ext. d. | mm | 40 | 43 |

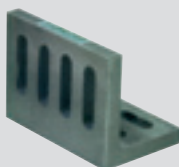
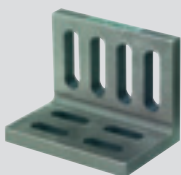


Lathe safety keys

Safety keys

Luna. Universal chuck key. Suits most lathe chucks.

| | | | |
|--------------------------|-------|-------|-------|
| Art. no. | 20081 | -0109 | -0208 |
| Pin size \square | mm | 12 | 14 |
| For chuck diameter | mm | 250 | 315 |
| Shaft length | mm | 100 | 110 |



Angle plates

Fixed

Luna. Open. Of stress-free cast iron. Machined to parallelism and angular precision of ± 0.05 mm/150 mm.

| | | | | |
|---------------|-------|-------|-------|-------|
| Art. no. | 20878 | -0106 | -0205 | -0304 |
| Length | mm | 150 | 200 | 300 |
| Width | mm | 115 | 125 | 200 |
| Height | mm | 125 | 150 | 225 |
| Weight | kg | 3 | 5 | 20 |

Machine vices



Luna. Of cast iron. With unhardened steel jaws with slots in the top edge, of which the fixed jaw is prismatic.

| Art. no. | 20872 | -0102 | -0201 | -0300 |
|--------------------------|-------|-------|-------|-------|
| Jaw width | mm | 85 | 100 | 120 |
| Jaw height | mm | 30 | 30 | 37 |
| Clamping width | mm | 70 | 95 | 105 |
| c-c mounting slots | mm | 113 | 124 | 148 |
| Weight | kg | 3.3 | 4.0 | 6.6 |

Luna. Of cast iron 3-way vice that is flat ground on three sides for 3 different clamping positions, horizontal and vertical as well as horizontally standing. The fixed jaw is vertically and horizontally prismatic.



| Art. no. | 20648 | -0105 |
|--------------------------|-------|-------|
| Jaw width | mm | 100 |
| Jaw height | mm | 30 |
| Span width | mm | 70 |
| c-c mounting slots | mm | 123 |
| Weight | kg | 5 |

With **rapid positioning** of the moveable jaw. Of light metal. Spindle and prismatic jaws of steel.



| Art. no. | 20910 | -0106 | -0205 |
|--------------------------|-------|-------|-------|
| Jaw width | mm | 63 | 80 |
| Jaw height | mm | 25 | 25 |
| Clamping width | mm | 65 | 80 |
| c-c mounting slots | mm | 80 | 95 |
| Weight | kg | 0.8 | 0.9 |

Luna. Rapid clamping over the full jaw width - for quick changing of workpieces. Two levers regulate the rapid positioning and clamping. Cast design with double guides.



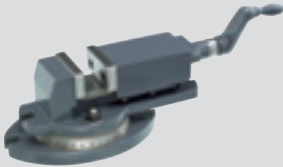
| Art. no. | 20967 | -0108 | -0207 |
|----------------------|-------|-------|-------|
| Jaw width | mm | 100 | 160 |
| Clamping width | mm | 125 | 160 |
| Net weight | kg | 8 | 20 |

Machine vices



Luna. Of cast iron. Can be swivelled and set at an angle. Graduated scales for swivel and angular settings.

| | | |
|---------------------------|--------------|--------------|
| Art. no. | 20901 | -0107 |
| Jaw width | mm | 125 |
| Jaw height | mm | 45 |
| Clamping width | mm | 95 |
| Can be set at angle | ° | 0-90 |
| Revolving | | 360 |
| Weight | kg | 25 |



Luna. Of high-strength cast iron. With flat, hardened and ground jaws. With covered guide screw. Supplied with swivel, graduated 360° base plate.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20322 | -0108 |
| Luna | No | MMV 1-50 |
| Jaw width | mm | 50 |
| Jaw height | mm | 25 |
| Span width | mm | 50 |
| Weight | kg | 3.6 |



Luna. Of high-strength cast iron with hardened ground jaws. With covered guide screw. Swivel and tiltable with graduated scales for swivel and angular settings.

| | | | |
|---------------------------|--------------|--------------|--------------|
| Art. no. | 20323 | -0107 | -0206 |
| Luna | No | MMV 2-50 | MMV 2-100 |
| Jaw width | mm | 50 | 100 |
| Jaw height | mm | 25 | 38 |
| Span width | mm | 50 | 100 |
| Can be set at angle | | 0-90° | 0-90° |
| Revolving | | 360° | 360° |
| Weight | kg | 3.9 | 19 |



Luna. Of casting. With flat, hardened and ground jaws with narrow slots. With protected spiral. Supplied with revolving, 360° graduated base plate.

| | | | | | |
|-----------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20940 | -0100 | -0209 | -0308 | -0407 |
| Jaw width | mm | 100 | 125 | 160 | 200 |
| Jaw height | mm | 36 | 40 | 52 | 63 |
| Clamping width | mm | 80 | 100 | 125 | 160 |
| Weight | kg | 9.5 | 16.0 | 33.0 | 45.0 |
| Prismatic jaws | 20940 | -0506 | -0605 | -0704 | -0803 |
| Flat jaws | 20940 | -0902 | -1009 | -1108 | -1207 |



Luna. Precision vices. Adapted for precision machining, mainly in multoperation milling and grinding machines. Suitable for cube, palette and table mounting. Extra large clamping width and low weight. Supplied with flat jaws.

| | | | | |
|----------------------------|--------------|--------------|--------------|--------------|
| Machine vice | 20907 | -0101 | -0200 | -0309 |
| Jaw width | mm | 125 | 150 | 200 |
| Jaw height | mm | 40 | 50 | 65 |
| Clamping width | mm | 150 | 200 | 300 |
| Clamping force | kN | 30 | 49 | 98 |
| Net weight | kg | 12.7 | 25.6 | 64.0 |
| Standard jaws | 20907 | -0408 | -0507 | -0606 |
| Fluted jaws | 20907 | -0705 | -0804 | -0903 |

Machine vices

Luna. Hydraulic machine vice in cast iron. For machining in CNC machines. Maximum clamping force with a minimum of manual force is obtained by means of the Gyra booster system. Concealed shaft for protection from swarf and dirt. Quick clamping and easy to handle. The flexible jaw can be quickly moved in 3 positions for different jaw opening steps. Precision within 0.02 mm. Supplied with swivel base plate.



| Art. no. | 20530 | -0106 | -0205 |
|---------------------|-------|-------|-------|
| Luna | No | VH-5 | VH-6 |
| Jaw width | mm | 127 | 150 |
| Jaw height | mm | 46 | 51 |
| Clamping width | mm | 208 | 300 |
| Length incl. handle | mm | 670 | 800 |
| Clamping force | kN | 45 | 50 |
| Net weight | kg | 45 | 64 |

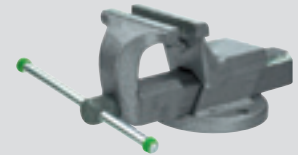
Bench vices



Luna. Of cast iron. Hardened jaws and anvil. Enclosed buttress threaded spindle.

| Art. no. | 20168 | -0100 | -0209 | -0308 | -0407 | -0506 |
|----------------|-------|-------|-------|--------|--------|--------|
| Luna | No | MV63S | MV80S | MV100S | MV125S | MV150S |
| Jaw width | mm | 63 | 80 | 100 | 125 | 150 |
| Span width | mm | 75 | 80 | 100 | 125 | 150 |
| Clamping depth | mm | 51 | 49 | 53 | 74 | 89 |
| Weight | kg | 3.1 | 3.2 | 4.3 | 7.3 | 11 |

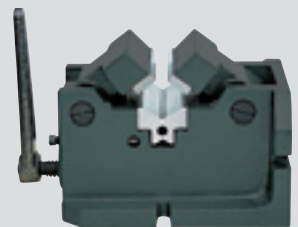
Luna. Made of forged steel for the highest demands on durability. Hardened jaws and anvil. Adjustable slide for perfect travel movement stability. Enclosed buttress threaded spindle. Accessories: swivel base and pipe jaws, not included.



| Art. no. | 20423 | -0601 | -0700 | -0809 | -0908 |
|--------------------|--------------|--------------|--------------|--------------|--------------|
| Luna | No | MV100EX | MV125EX | MV150EX | MV175EX |
| Jaw width | mm | 100 | 125 | 150 | 175 |
| Span width | mm | 100 | 125 | 150 | 175 |
| Clamping depth | mm | 68 | 83 | 101 | 120 |
| Weight | kg | 7.5 | 10.9 | 15.8 | 19 |
| Swivel base | 20423 | -1005 | -1104 | -1203 | -1302 |
| Pipe jaws | 20423 | -1401 | -1500 | -1609 | -1708 |

Centering vices

Luna. Of cast iron.. With ground and hardened steel splines recessed in the jaws. A reversible support block, which consists of a third gripping jaw, has V-grooves of different widths. An adjustable stop enables the same settings for series work. Base plate for both horizontal and vertical clamping.



| Art. no. | 20876 | -0108 |
|-----------------------|-------|---------|
| Jaw width | mm | 100 |
| Clamping diameter | mm | 10-80 |
| Large base plate dim. | mm | 205×220 |
| Small base plate dim. | mm | 205×135 |
| c-c mounting slots | mm | 135 |
| Net weight | kg | 20 |

Workshop

Battery chargers, boosters and heating fans forms the basis of the Luna brand on the workshop side. The products span everything from simple home use to powerful professional machines, and everything in between. The Workshop range also includes jacks, workshop presses, creepers, lamps, etc.



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Workshop presses

Manual



Luna. Floor press. Suitable for repair and maintenance workshops. The press unit is equipped with an adjustment screw to be a reach the work material more rapidly.
 Supplied med combined flat and V-block (2) and pressure gauge.
20711-0107 MW B15H with 1-stage hand pump.
20711-0206 MW 30FH with 2-stage hand pump.
20711-0305 MW 50FH with 2-stage hand pump, table lift and moving head.
20711-0404 MW 50FP with hand operated compressed air and hand pump, table lift and moving head.
Accessories: Punch set including (1 punch head and die holder), punches \varnothing mm 12, 16, 18, 20, 22, 25, 30.

| Art. no. | 20711 | -0107 | -0206 | -0305 | -0404 |
|--|--------------|--------------|--------------|--------------|--------------|
| Luna..... | No | MW 15BH | MW 30FH | MW 50FH | MW 50FP |
| Design..... | | Bench | Floor | Floor | Floor |
| Compression pressure..... | kN | 150 | 300 | 500 | 500 |
| Compression pressure..... | metric tons | 15 | 30 | 50 | 50 |
| Stroke length..... | mm | 95 | 120 | 120 | 120 |
| Adjustment screw, max. length..... | mm | 75 | 75 | 75 | 75 |
| Max. stroke length incl. adjustment screw..... | mm | 170 | 195 | 195 | 195 |
| Press head laterally adjustable..... | mm | - | - | 250 | 250 |
| Max. distance compression unit - bench..... | mm | 450 | 630 | 615 | 615 |
| Min. distance compression unit - bench..... | mm | 150 | 180 | 165 | 165 |
| Inner width..... | mm | 500 | 550 | 710 | 710 |
| Frame width, inside dimension..... | mm | 120 | 120 | 145 | 145 |
| Overall height..... | mm | 940 | 1750 | 1810 | 1810 |
| Total width..... | mm | 605 | 670 | 880 | 880 |
| Weight..... | kg | 77 | 137 | 239 | 245 |
| Set of punches..... | 20534 | -1001 | -1100 | -1100 | -1100 |
| Gasket kit..... | 20534 | -1209 | -1308 | - | - |

Hydraulic jacks

Bottle jacks

Luna. Stable jacks with flat base plate. Developed for professional workshop use. Equipped with safety valve that prevents overloading. With relief valve that gives safe lowering of the load. Pump piston and parts exposed to large strain are hardened. Sizes 10, 15 and 30 tonne equipped with transport handle.

| | | | | |
|-----------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20796 | -0105 | -0204 | -0303 |
| Luna | No | MP2 T | MP4 T | MP6 T |
| Max. load | ton | 2 | 4 | 6 |
| Min. height | mm | 158 | 195 | 200 |
| Hydraulic lift height | mm | 90 | 125 | 125 |
| Adjuster screw | mm | 60 | 60 | 80 |
| Max. overall height | mm | 308 | 380 | 405 |
| Lever length | mm | 300 | 300 | 300 |
| Weight | kg | 2.6 | 3.7 | 4.7 |
| Art. no. | 20796 | -0402 | -0501 | -0600 |
| Luna | No | MP10 T | MP15 T | MP30 T |
| Max. load | ton | 10 | 15 | 30 |
| Min. height | mm | 240 | 250 | 285 |
| Hydraulic lift height | mm | 160 | 160 | 180 |
| Adjuster screw | mm | 80 | 80 | - |
| Max. overall height | mm | 480 | 490 | 465 |
| Lever length | mm | 300 | 300 | 300 |
| Weight | kg | 7.7 | 10.6 | 18.2 |



Garage jacks

Luna. In light performance. Built in aluminium and steel mixed. Extremely easy operated. High performance swivelling wheels in nylon. Developed for professional workshop applications. Equipped with a security valve to prevent overloading and a screw and nut container. Lowering of the jack lifting arm is done by means of the pump arm by turn it clockwise. The pump arm handle grip is knurled. All parts under pressure are hardened.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 20824 | -0101 |
| Luna | No | MP2T-A |
| Max. load | ton | 2.0 |
| Hydraulic lifting height | mm | 350 |
| Max. saddle height | mm | 440 |
| Min. saddle height | mm | 90 |
| Body height | mm | 165 |
| Overall length | mm | 695 |
| Weight | kg | 27 |

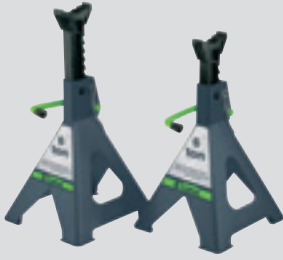


Luna. An extremely easy operated low profile jack. High performance swivelling wheels of plastic. Developed for professional workshop applications. Equipped with a security valve to prevent overloading, quick foot pump function and a screw and nut cup. Lowering of the jack arm is done by means of the pump arm by pulling it up and turn it clockwise. The relief pressure secure a slow and safety lowering of the load. The pump arm handle is angled for maximum comfort and covered with rubber grips. All parts under pressure are hardened.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 20811 | -0106 |
| Max. load | ton | 2 |
| Hydraulic lifting height | mm | 390 |
| Max. saddle height | mm | 465 |
| Min. saddle height | mm | 75 |
| Body height | mm | 135 |
| Overall length | mm | 880 |
| Weight | kg | 32.5 |



Jack stands



Luna. For professional use. In welded performance by rigid steel plate. The support bar is self locking and attached with a safety locking pin. The support bar has a rigid support head with notches for steady holding. A number of different firm levels in height. Supplied as pair.

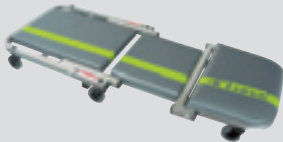
| | | | | |
|--------------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20812 | -0105 | -0204 | -0303 |
| Max. capacity | ton | 2 | 3 | 6 |
| Min. height | mm | 275 | 285 | 390 |
| Max. height | mm | 420 | 430 | 605 |
| Number of support levels | st | 6 | 7 | 6 |
| Weight | kg/pair | 5.5 | 7 | 14 |

Creepers



Luna. Made of age resistant plastic. Light model, equipped with handle for easy transport. Padded, soft cushion. Curved shaped lying surface for pleasant lying comfort. Six bearing mounted, swivel castors. The creeper is equipped with compartments for screws and nuts on both sides.

| | | |
|---|--------------|--------------|
| Art. no. | 20454 | -0108 |
| Length x width | mm | 1005x475 |
| Height of garage creeper - lowest/highest point | mm | 50/115 |
| Wheel diameter | mm | 75 |
| Max. load | kg | 130 |
| Weight | kg | 4.8 |
| Accessories | | |
| Castors 75 mm | 20545 | -2005 |



Folded into seat

Luna. Folding model. Can be changed into a portable seat. Takes up less space in the workshop. Padded cushion for good comfort. Steel frame. With seven swivel, bearing mounted castors.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 20786 | -0107 |
| Length x width | mm | 1020x400 |
| Height of garage creeper | mm | 105 |
| Seat height | mm | 470 |
| Wheel diameter | mm | 60 |
| Max. load | kg | 110 |
| Weight | kg | 6.7 |
| Accessories | | |
| Castors 50 mm | 20786 | -2004 |
| Castors 60 mm | 20786 | -2103 |

Head light - LED



Luna. Impact resistant head lamp with three light positions and adjustable angle for direct local lighting. Elastic adjustable head band. Supplied without batteries. Gives off a sharp and continuous light. Work with the head lamp leaves the hands free.

| | | |
|------------------------|--------------|--------------|
| Art. no. | 20795 | -0106 |
| Batteries | type | AAA |
| No. of batteries | ea | 3 |

Battery chargers

Electronic safe



20420-0109



20420-0307

Luna. The smartest and most energy efficient battery charger in the world with functions for all lead batteries and application areas. With integrated battery tester and lighting. "Boosting" function for rapid charging of batteries with a low voltage. Non-sparking, protected against incorrect connection and short-circuit proof. Battery clamps are rounded and thus avoid becoming tangled with cables. For outdoor use. Fully automatic and gentle on the batteries, irrespective of the input voltage. Electronic safe, i.e. can be connected without the need of disconnecting the battery from the vehicle.

Type SMALL - Program for MC, cars/boats and winter use. Equivalent in capacity to an approx. 10 A traditional charger. Patent pending method for desulphating. Quick connect couplings.

Type MEDIUM - Can be used as a power unit, e.g. when replacing batteries. Booster function to restore deep discharged batteries. Equivalent in capacity to an approx. 20 A traditional charger.

Type LARGE - The charger automatically adjusts the charge to the battery temperature. Has integrated function to analyse the battery status. Maintenance charging combined in a unique way meets the battery's requirement of a high capacity and long life.

Type XL-C - Can charge small batteries 40 amp Ah for large tractor batteries.

Type XL-P - Can charge small batteries. Optimal maintenance charger for seasonal vehicles with batteries up to 100 Ah.

| Art. no. | 20420 | -0109 | -0208 | -0307 | -0406 | -0505 |
|--|-------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Luna type | SMALL | MEDIUM | LARGE | XL-C | XL-P | |
| For batteries | V | 12 | 12 | 12 | 12/24 | 12/24 |
| For battery type | | Wet, MF, GEL, AGM | Wet, MF, GEL, AGM | Wet, MF, GEL, AGM | Wet, MF, GEL, AGM | Wet, MF, GEL, AGM |
| Charge curve | | 7-step with pulse maint. | 7-step with pulse maint. | 7-step with pulse maint. | 7-step with pulse maint. | 7-step with pulse maint. |
| Battery capacity at 12 V | Ah | 3-80 | 20-160 | 40-300 | 90-600 | 3-600 |
| Battery capacity with maintenance charging | Ah | 80 | 160 | 300 | 600 | 600 |
| Charging current at 12 V | A | 1/4 | 8 | 15 | 30/15 | 30/15 |
| Ambient temperature | C° | -25/+40 | -25/+40 | -25/+40 | -25/+40 | -10/+40 |
| Protection class | | IP 65 | IP 65 | IP 44 | IP 44 | IP 44 |
| Mains voltage | V | 230+/-10% | 230+/-10% | 230+/-10% | 230+/-10% | 230+/-10% |
| Mains voltage cable | m | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 |
| Dimension LxWxH | mm | 146x89x52 | 200x118x70 | 200x118x70 | 230x118x70 | 230x118x70 |
| Weight | kg | 0.5 | 0.9 | 0.9 | 1.4 | 1.4 |

Luna. Electronic - for continuous charging that reduces the charging current and automatically increases the charge again when the battery level falls. With sheet steel chassis. Easy to read amperemeter which shows the charging current. Equipped with change-over button for charging open or closed batteries as well as overload protection that trips when overloaded and with short-circuits resulting from incorrectly connected battery clamps. Electronic charger required for charging maintenance-free (sealed) batteries.

| Art. no. | 20667 | -0309 |
|---------------------------------------|----------------|-------------|
| Luna | No | EBC16 E |
| For batteries | V | 12/24 |
| Battery capacity at 12 V | Ah | 40-150 |
| Charging current max. at 12 V setting | A | 16 |
| Charging current cont. op, average | A | 10 |
| Battery capacity at 24 V | Ah | 20-75 |
| Charging current max. at 24 V setting | A | 7.5 |
| Charging current cont. op, average | A | 5 |
| Output | W | 180 |
| Charger cables | m ² | 1.4/1.5 |
| Mains voltage | V | 230 |
| Mains voltage cable | m | 1.8 |
| Dimension LxWxH | mm | 265x180x140 |
| Weight | kg | 5.3 |
| Ditto for UK | 20667 | -6207 |



Battery chargers

Electronic safe



20669-0109



20669-0307

Luna. These electronic chargers can be used to charge batteries in today's modern cars without the risk of disabling electronic components. The battery clamps are connected directly to the battery terminals and chassis without the need for switching or disconnecting the battery. For continuous charging that reduces the charging current and automatically increases the charge again when the battery level falls. With chassis of stainless steel plate. Easy to read amperemeter which shows the charging current. Equipped with change-over button for charging open or closed batteries as well as miniature circuit-breaker that trips when overloaded and with short-circuits resulting from incorrectly connected battery clamps. Switchable for high and low charging. Equipped with carrying handle.

Electronic charger required for charging maintenance-free (sealed) batteries.

| Art. no. | 20669 | -0109 | -0307 |
|---|----------------|--------------|--------------|
| Luna | No | EBC10 ES | EBC25 ES |
| For batteries | V | 12 | 12/24 |
| Battery capacity at 12 V | Ah | 35-100 | 60-200 |
| Charging current max. at 12 V setting | A | 10.5 | 20 |
| Charging current cont. op, average | A | 7 | 15 |
| Battery capacity at 24 V | Ah | 17.5-50 | 30-100 |
| Charging current max. at 24 V setting | A | - | 10 |
| Charging current cont. op, average | A | - | 7.5 |
| Output | W | 120 | 240 |
| Charger cables | m ² | 1.4/1.5 | 1.4/1.5 |
| Mains voltage | V | 230 | 230 |
| Mains voltage cable | m | 1.8 | 1.8 |
| Dimension LxWxH | mm | 210x190x130 | 285x210x170 |
| Weight | kg | 3.2 | 7.4 |
| Ditto for UK | 20669 | -6007 | -6205 |

With booster



20655-0105



20655-0204

Luna. Combined booster and battery charger. Intended for passenger cars, trucks etc. With steel plate chassis. Easy to read ampere meter which shows the charging current. Equipped with automatic miniature circuit breaker that trips with an overload and short circuiting caused by e.g. incorrect connection of the battery clamps. Fitted with carrying handle. Supplied complete with charging/starter cables.

Luna EBCB190. Change-over switch for high/low charge - two positions + booster.

Luna EBCB480. Change-over switch for high/low charge - six positions + booster, and 12 V and 24 V charging.

| Art. no. | 20655 | -0105 | -0204 |
|--|-------------------|--------------|--------------|
| Luna | No | EBCB190 | EBCB480 |
| For batteries | V | 12 | 12/24 |
| Battery capacity at 12 V | Ah | 50-80 | 40-250 |
| Starting current max. | A | 190 | 450 |
| Charging current max. 12 V /low setting) | A | 22 | 35 |
| Charging current cont. op, average | A | 18 | 30 |
| Charging current max. 24 V /low setting) | A | - | 16 |
| Charging current cont. op, average | A | - | 9 |
| Quick charge max. (12 V/high setting) | A | 45 | 50 |
| Quick charge medium | A | 30 | 40 |
| Quick charge max. (24 V/high setting) | A | - | 30 |
| Quick charge medium | A | - | 20 |
| Output | W | 300 | 950 |
| Fuse (inert) | A | 10 | 10 |
| Charging/starter cables | m/mm ² | 1.6/10 | 1.9/16 |
| Mains voltage | V | 230 | 230 |
| Mains voltage cable | m | 2.5 | 2.5 |
| Dimension LxWxH | mm | 260x260x200 | 260x260x400 |
| Weight | kg | 13.5 | 20.5 |
| Ditto for UK | 20655 | -6001 | -6100 |

Battery chargers

With booster

Luna. Combined booster and battery charger. Intended for medium size and large cars, trucks, etc. With steel plate chassis. Easy to read amperemeter which shows the charging current. Equipped with miniature circuit breaker that trips with an overload and short-circuiting caused by, e.g. wrong connection of the battery clamps and equipped with a timer for charging up to 2 hours. Change-over switch for high/low charge - five positions + booster. Fitted with transport wheels and draw handle. Supplied complete with charging/starter cables.

| | | |
|---|-------------------|--------------|
| Art. no. | 20670 | -0106 |
| Luna | No | EBCB400 |
| For batteries | V | 12/24 |
| Battery capacity at 12 V | Ah | 40-400 |
| Starting current max. | A | 400 |
| Charging current max. 12 V /low setting)..... | A | 45 |
| Charging current cont. op, average | A | 30 |
| Charging current max. 24 V /low setting)..... | A | 21 |
| Charging current cont. op, average | A | 15 |
| Quick charge max. (12 V/high setting)..... | A | 85 |
| Quick charge medium..... | A | 60 |
| Quick charge max. (24 V/high setting)..... | A | 42 |
| Quick charge medium..... | A | 30 |
| Timer..... | min | 120 |
| Output | W | 3200 |
| Fuse (inert)..... | A | 16 |
| Charging cables..... | m/mm ² | 2.7/16 |
| Supply voltage..... | V | 230 |
| Supply cable length..... | m | 4 |
| Dimension LxWxH | mm | 240x360x590 |
| Weight..... | kg | 24 |
| Ditto for UK | 20670 | -6004 |



Electronic safe

Luna. This electronic charger can be used to charge batteries or as a booster in today's modern cars without the risk of disabling electronic components. Intended primarily for medium-sized and large passenger cars. The battery clamps are connected directly to the battery's positive pole and the chassis without the need of reconnecting or removing the battery. For continuous charging that reduces the charging current with a fully charging battery and automatically increases the charge again when the battery capacity drops. With chassis of stainless steel plate. Easy to read ampere meter which shows the charging current. Equipped with automatic miniature circuit breaker that trips with an overload and short circuiting caused by e.g. incorrect connection of the battery clamps. Switch for high and low charging + start help. Fitted with transport wheels and draw handle. Supplied complete with charging and starter cables. Electronic charger required for charging maintenance-free (sealed) batteries.

| | | |
|--|-------------------|--------------|
| Art. no. | 20671 | -0105 |
| Luna | No | EBCB400ES |
| For batteries | V | 12/24 |
| Battery capacity at 12 V..... | Ah | 40-400 |
| Starting current max. | A | 400 |
| Charging current cont. op, average | A | 30 |
| Charging current cont. op, average | A | 15 |
| Quick charge max. 12 V /high setting)..... | A | 85 |
| Quick charge max. 24 V /high setting)..... | A | 42 |
| Output..... | W | 3200 |
| Fuse (inert)..... | A | 16 |
| Charger cables | m/mm ² | 2.7/16 |
| Mains voltage | V | 230 |
| Mains voltage cable | m | 3.4 |
| Dimension LxWxH | mm | 810x290x270 |
| Weight | kg | 24 |
| Ditto for UK | 20671 | -6003 |



Boosters



Luna. Practical cordless starter help for 12 V batteries for e.g. cars, boats, etc. **The booster is protected against incorrect plus/minus connection.** Both battery clamps can be connected to either the plus or minus terminals with start of the vehicle. There is no risk of sparks occurring or damage to the battery.

The booster requires at least 2.5 V counter current from the vehicle's battery. Can also be used with a DC to AC converter (not included) to produce 110-120V amperage for small AC equipment. Equipped with heavy-duty 4GA booster cables covered with PVC and heavy-duty F9 clamps, charging indicator, diodes for charging and full charge, plus 12V DC power outlet and a DC charging outlet. Designed with a tough compact closed lead battery for 12V/22Ah. Can be used for 20-30 starts in a row under normal conditions with each charge. For open and closed batteries. Intended for professional users. Supplied as standard with a 500 mA adapter for charging the booster.

| | | |
|--|--------------|--------------|
| Art. no. | 20809 | -0100 |
| Luna | No | EBS12V |
| For batteries | V | 12 |
| Requires counter current | V | 2.5 |
| Min. - Max. start current/Peak current | A | 400/1000 |
| Battery clamps | A | 400 |
| Starting cables, length | mm | 1200 |
| Mains voltage | V | 230 |
| Mains voltage cable | m | 1.8 |
| Cigarette lighter outlet 12 V DC | A | 15 |
| 12V DC cable | m | 1.3 |
| Dimension LxWxH | mm | 340x110x360 |
| Weight | kg | 9.5 |
| Charger/adapter | 20809 | -1009 |
| Booster for UK | 20809 | -6008 |
| Charger for UK | 20809 | -6107 |



Luna. A practical booster for 12 and 24 volt batteries for cars, boats, trucks etc. **The booster is protected against incorrect plus/minus connection.** An alarm function is activated if the battery terminals have been incorrectly connected. There is no risk of sparks occurring or damage to the battery. DC power outlet: 12V DC/15A with automatic overload protection. Designed with 2 x 12V/22Ah sealed lead batteries. Can be used for 20-30 starts in a row under normal conditions with each charge. With built-in LED lighting to facilitate working in dark conditions and a colour-coded voltmeter for checking the booster's own batteries. For open and closed batteries. For professional use. Equipped with heavy-duty 1GA (32.5 mm²) booster cables covered with PVC, and heavy-duty F9 clamps, diodes for charging and full charge, plus 12V DC power outlet.

Supplied as standard with a 1000 mA adapter for charging the starter help.

| | | |
|--|--------------|--------------|
| Art. no. | 20419 | -0102 |
| Luna | No | EBB12/24V |
| For batteries | V | 12 / 24 |
| 12V: Min. - Max. Start current/ Peak current | A | 1000 / 2000 |
| 24V: Min. Max. Start current/Peak current | A | 500 / 1000 |
| Battery clamps | A | 400 |
| Starting cables, length | mm | 1650 |
| Mains voltage | V | 230 |
| Mains voltage cable | m | 1.8 |
| Cigarette lighter outlet 12V DC | A | 15 |
| 12V DC cable | m | 1.3 |
| Dimension LxWxH | mm | 455x280x430 |
| Weight | kg | 20 |
| Ditto for UK | 20419 | -6000 |
| Charger | 20419 | -6109 |
| Charger/adapter | 20419 | -1001 |

Voltage tester

Luna. Small and compact battery tester for checking the condition of the battery and the charging voltage of the generator.

| Art. no. | 20729 | -0107 |
|--------------------------|-------|------------|
| Luna | No | 100A |
| Voltage range | V | 6-12 |
| Max. current load | A | 100 |
| Test cables length | m | 0.5 |
| Dimension LxWxH | mm | 105x60x255 |
| Weight | kg | 1.7 |



Generating sets

Petrol driven



20180-0109



20180-0208

Luna. Robust construction with a frame that protects the motor and generator. Suitable as a backup supply with temporary power requirements. Equipped with 2 x 1-phase 230 V and 1 x 12 V outlet, MCB. Oil guard. (Engine oil not included.)

| Art. no. | 20180 | -0109 | -0208 | -0307 | -0406 |
|------------------------------------|---------|--------------|--------------|-------------|-------------------------|
| Luna | No | MG 1500 | MG 2700 | MG 4700 | MG 6700E |
| Generator AC 50 Hz | | Synchroneous | Synchroneous | Synkrone | Synkrone |
| Max. output 230 volt 1-phase | kVA | 1.5 | 2.8 | 4.0 | 6.8 |
| Max. effekt 400 volt 3-fas | kVA | - | - | - | 6.8 |
| Max. output 230 volt 1-phase | kW | 1.2 | 2.3 | 4.0 | 5.5 |
| Max. effekt 400 volt 3-fas | kW | - | - | - | 5.5 |
| Max. output 12 volt | kW | 0.1 | 0.1 | 0.1 | 0.1 |
| Protection class | | IP 23 | IP 23 | IP 23 | IP 23 |
| Petrol engine | | Luna OHV | Luna OHV | Luna OHV | Luna OHV |
| Shaft power | kW (hp) | 2.2 (3) | 3.9 (5.4) | 4.0 (12.0) | 5.5 (12.0) |
| No of cylinders | ea | 1 | 1 | 1 | 1 |
| Cooling | | Air | Air | Luft | Luft |
| Starter | | Magnapull | Magnapull | Magnapull | Magnapull +Elektrisk |
| Tank volume | l | 5.5 | 12 | 22 | 22 |
| Run time/tank (at 60% load) | hours | 6 | 11 | 12 | 10 |
| Sound power level LWA | dB (A) | 96 | 95 | 97 | 97 |
| Sound level LpA (at 7 m) | dB (A) | 69 | 67 | 71 | 73 |
| Dimensions LxWxH | mm | 460x380x390 | 570x430x480 | 690x530x600 | 690x565x600 |
| Weight | kg | 29.5 | 44.5 | 75 | 83 |

Hot air fans



20249-0108



20249-0207

Luna. Portable hot air fans. Suitable for application in e.g. automobile, construction and service sectors. For heating small and medium size premises, garages, workshops, leisure homes, etc. Adjustable for full or half output. Thermostat for constant desired heat setting between 10-40° C. Automatic overheating protection.

Manufactured of robust enamelled steel plate with sturdy safety insulated carrying handles. Designed and approved according to applicable CE directives. Enclosure protection class IP 44.

| Art. no. | 20249 | -0108 | -0207 | -0306 | -0405 |
|------------------------------------|-------------------|---------------|---------------|-------------|-------------|
| Luna | No | EH2 | EH3 | EH5 | EH9 |
| Output max. | 2.0 | 2.0 | 3.0 | 5 | 9 |
| Power stage | kW | 1.0/2.0 | 1.5/3.0 | 2.5/5.0 | 3/6/9 |
| Air flow | m ³ /h | 227 | 507 | 549 | 1001 |
| Sound level | dB (A) | 45 | 45 | 50 | 52 |
| Supply voltage | V | 230 1-phase | 230 1-phase | 230 1-fas | 230 1-fas |
| Motor output | W | 25 | 30 | 28 | 52 |
| Fan | | Does not stop | Does not stop | Stannar ej | Stannar ej |
| Overheating protection reset | | Automatic | Manual | - | - |
| Slow burn fuse/inert 1-phase | A | 10 | 16 | 16 | 16 |
| Amperage max. | A | 8.7 | 13.04 | 7.22 | 13.0 |
| Dimension LxWxH | mm | 255x240x293 | 305x260x435 | 305x260x435 | 375x330x515 |
| Weight | kg | 4.0 | 5.0 | 5.5 | 7.0 |

Luna. A portable 3-phase heater fan. Versatile and easy to handle design in stainless steel. The steel frame can be dismantled and replaced with a suspension bracket. Suitable for workplaces such as barns, sawmills, construction sites, etc. where IP54 is a requirement. Thermostat controlled. Automatic overheating protection with automatic reset. The fan is available in a 9 kW design with three output stages as well as on/off and fan function without heating.

Supplied with 3 metre cable. Suspension bracket not included as standard.



| Art. no. | 20664 | -0104 |
|---------------------------------|-------------------|--------------|
| Luna | No | EHF9 |
| Output power | kW | 9 |
| Power stages (3) | kW | 3/6/9 |
| Air flow | m ³ /h | 900 |
| Sound level | dB (A) | 60 |
| Supply voltage | V | 400 3-phase |
| Fan | | Stop |
| Fuse (inert) | A | 16 |
| Amperage max. | A | 14.5 |
| Protection class | | IP54 |
| Dimension LxWxH | mm | 670x450x600 |
| Weight | kg | 15 |
| Ditto for Norway | 20664 | -5004 |
| Supply voltage | V | 230V 3-phase |
| Suspension bracket | 20664 | -0302 |

Hose reels



Luna. Manufactured in a heavy-duty design of impact resistant hardened plastic. Adapted for vehicle workshops and industry with demands on trouble free usage. Rewinders make the workplace safer without twisted cord coils that can cause tripping accidents and impair accessibility in the workshop. Equipped with a pivoted wall or roof bracket, which simplifies handling. The cord lengths are controlled by a catch that comes into effect with each extended 1/2 meter and which can be disengaged if the function is not required.

The cable is cold-resistant and maintains its flexibility even in cold weather down to -15° C. Protection class IP 42. Pivots 300°. Equipped with thermal overload protection that automatically cuts the power when overloaded.

| Art. no. | 20580 | -0105 |
|---------------------------------------|-----------------|-------------|
| Luna | No | ECR3x1,5-15 |
| Protection class | | IP 42 |
| Cable dim. (no. of core x area) | mm ² | 3x1.5 |
| Cable length | m | 15 (13 + 2) |
| Amperage | A | 10 |
| Outside dimensions | mm | 340x160x250 |
| Max. load wound | W | 1200 |
| Max. load fully extended | W | 1800 |
| Dim. diameter x thickness | mm | 270 x 125 |
| Weight | kg | 3.0 |



Luna. Manufactured in a heavy-duty design of impact resistant hardened plastic. Adapted for vehicle workshops and industry with demands on trouble free usage. Rewinders make the workplace safer without twisted cord coils that can cause tripping accidents and impair accessibility in the workshop. Equipped with a pivoted wall or roof bracket, which simplifies handling.

The cord lengths are controlled by a catch that comes into effect with each extended 1/2 meter and which can be disengaged if the function is not required. The cable is cold-resistant and maintains its flexibility even in cold weather down to -5° C. Protection class IP 42. Pivots 300°.

Equipped with thermal overload protection that automatically cuts the power when overloaded. Cable quality H05 VV-F.

| Art. no. | 20840 | -0101 | -0200 |
|---|-----------------|-------------|-------------|
| Luna | No | ER3x2.5-22 | ER5x2.5-17 |
| Protection class | | IP 42 | IP 42 |
| Cable dimension (no of conductors x area) | mm ² | 3 x 2.5 | 5 x 2.5 |
| Cable length | m | 22 (20+2) | 17 (15+2) |
| Max. voltage | V | 230 1-phase | 400 3-phase |
| Amperage | A | 16 | 16 |
| Max. load (wound) | W | 2000 | 2000 |
| Max. load fully extended | W | 3000 | 3000 |
| Dim. diameter x thickness | mm | 435x205 | 435x205 |
| Weight | kg | 11,0 | 11,3 |

Hose rewinders



Luna. Suitable in combination with a compressor The reel swivels 360°. Flexible PU hose that keeps its straight structure even when fully extended. 360° swivel connection that prevents the hose from twisting. Heavy-duty end guard made of plastic that prevents wear. Manual rewinding of the hose Fold up crank. Locking screws to secure the reel.

| | | |
|---|--------------|--------------|
| Art. no. | 20800 | -0109 |
| Luna | No | AHR8x12-30 |
| Hose material | | PU |
| Hose dimensions inner/outer | inch | 5/16x1/2 |
| Hose dimensions inner/outer | mm | 8.5x12.5 |
| Hose length | m | 30 |
| Max. working pressure | bar | 17 |
| Temperature range | °C | -5 - +40 |
| Connection thread male..... | G (R) | 1/4 |
| Dimensions Height x Width x Depth | mm | 355x325x255 |
| Weight | kg | 9.7 |



Luna. Manufactured in a heavy-duty design of impact resistant hardened plastic. Adapted for vehicle workshops and industry with demands on trouble free usage. Rewinders make the workplace safer without twisted hose coils that can cause tripping accidents and impair accessibility in the workshop. Equipped with a pivoted wall or roof bracket, which simplifies handling. The hose lengths are controlled by a catch that comes into effect with each extended 1/2 meter and which can be disengaged if the function is not required.

Hose is made of black double layered polyurethane. A hard-wearing and adaptable hose that does not twist but keeps its straight structure even when fully extended. The hose is only intended for compressed air must not be used for gases or other media, swivels through 300°. Temperature range -5 for +40° C.

| | | |
|---------------------------------|--------------|--------------|
| Art. no. | 20581 | -0104 |
| Luna | No | AHR8x12-7 |
| Hose material, 2-layer | | Polyurethan |
| Hose dim. inner/outer | inch | 5/16 x 1/2 |
| Hose dim. inner/outer | mm | 8 x 12 |
| Hose length | m | 7 (6 + 1) |
| Max. working pressure | MPa (bar) | 12 |
| Temperature range | °C | -5 - +40 |
| Connection thread | R | 1/4" |
| Dim. diameter x thickness | mm | 270 x 125 |
| Weight | kg | 3.0 |



Luna. Manufactured in a heavy-duty design of impact resistant hardened plastic. Adapted for vehicle workshops and industry with demands on trouble free usage. Rewinders make the workplace safer without twisted cord coils that can cause tripping accidents and impair accessibility in the workshop. Equipped with a pivoted wall or roof bracket, which simplifies handling. The hose lengths are controlled by a catch that comes into effect with each extended 1/2 meter and which can be disengaged if the function is not required.

Hose is made of black double layered polyurethane. A hard-wearing and adaptable hose that does not twist but keeps its straight structure even when fully extended. The hose is only intended for compressed air and cold water must not be used for gases or other media, swivels through 300°. Temperature range -5 for +40° C.

| | | |
|------------------------------|--------------|--------------|
| Art. no. | 20839 | -0104 |
| Luna | No | AHR10x16-13 |
| Hose material, 2-layer | | Polyurethane |
| Hose dim. internal | inch | 3/8 |
| Hose dim. internal | mm | 10 |
| Hose length | m | 13 (12 + 1) |
| Max. working pressure | MPa (bar) | 12 |
| Temperature range | °C | -5 - +40 |
| Connection thread | R | 3/8 |
| Weight | kg | 7.0 |

Hose rewinders



Luna. Suitable for workshops and industrial application. Heavy-duty design of impact resistant plastic. With integrated handle which can be automatically folded up for use. The retractor swivels 250°. A flexible and resistant PU hose both in warm and cold weather conditions. The hose retains its straight structure and does not twist when fully extended. When extending the hose stops as soon as it is released without need of waiting for a catch. After use the hose automatically rewinds slowly and surely without the risk of damage and distributes itself in the housing by means of a movable hose guide. The hose is only intended for compressed air must not be used for gases or other media. Working temperature -5°C / +40°C.

| Art. no. | 20804 | -0105 | -0204 |
|-----------------------------------|-------|-----------------|---------------|
| Luna | Nr | AHR8x12-14 | AHR10x14-16 |
| Hose material | | PU | PU |
| Hose dimensions inner/outer | inch | 5/16 x 1/2 | 3/8x17/32 |
| Hose dimensions inner/outer | mm | 8x12 | 10x14.5 |
| Hose length | m | 14 (12.5 + 1.5) | 16 (15 + 1.0) |
| Housing material | | Plastic | Plastic |
| Max. working pressure | bar | 12 | 12 |
| Connection hose | m | 2 | 2 |
| Connection thread | R | 1/4 | 3/8 |
| Dimensions diameter x width | mm | 310 x 130 | 380 x 180 |
| Weight | kg | 5.5 | 6.4 |

Luna. Suitable for workshops and industrial application. Manufactured of rolled sheet metal. For floor, ceiling and wall mounting. Open design. The retractor is equipped with a swivel wall bracket for flexible use. Drum med centred spring guide for greater stability and with a stop every 1/2 metre. The retractor arm is adjustable in 4 different positions. Bearing mounted axle for low friction and easy handling of the retractor. A very soft and flexible rubber hose for use in both warm and cold weather conditions. The hose retains its soft structure and does not twist when fully extended. Equipped with a heavy-duty rubber stop. The hose guide is fitted with 3 plastic rollers for easy extension and retraction and a long hose life. Swivel hose connection. The hose is only intended for compressed air must not be used for gases or other media. Working temperature -10°C / +40°C.



| Art. no. | 20428 | -0101 |
|-----------------------------------|-------|---------------|
| Luna | No | AHR10x16-15 |
| Hose material | | Rubber |
| Hose dimensions inner/outer | inch | 3/8x3/8 |
| Hose dimensions inner/outer | mm | 9.5x13 |
| Hose length | m | 15 (14 + 1.0) |
| Housing material | | Sheet |
| Max. working pressure | bar | 20 |
| Connection hose | m | 2 |
| Connection thread | R | 3/8 |
| Diameter x width x height | mm | 450x165x565 |
| Weight | kg | 21 |

Lubricants

Luna's high quality lubricant programme is designed for industrial use and includes oil for air tools and compressors, machine and gearbox oil, hydraulic oil, chain oil, grease and solid lubricants, aerosols and metal cutting fluid, a total of 60 products.



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Motor oil

Luna. MOTOIL S 5W-40 FULLY SYNTHETIC

Applications

Fully synthetic engine oil developed to meet and surpass the highest demands made on petrol and diesel engine oils including TDI. The oil is designed for cars that need to conform to Euro 4 exhaust specifications resulting in Mid SAPS. This engine oil is recommended for all types of engine in private cars and light trucks both petrol and diesel powered, where reduced fuel consumption in combination with long engine life are sought.

Characteristics.

Has a very low point of solidification, which guarantees easy starting and good lubrication even at low temperatures. The extreme viscosity characteristics mean that the oil pressure builds up immediately once the engine has been started. And in doing so prevents poor function due to insufficient lubrication. The synthetic base fluids mean the oil maintains its good lubrication characteristics with very hard driving and at high engine temperatures. The oil is especially designed to counteract carbon build-up, which gives a cleaner engine and extends the life of e.g. the turbo unit. The oil is structured to protect catalytic converters and particle filters according to the latest chemical limits "Mid SAPS".

Advantages

Has characteristics which make it especially suitable in the extreme cold as well as for operations in hot climates. This increases the engine life. The product also contributes towards reduced fuel consumption through its low friction.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | |
|---------------|-------|
| Art. no. | 16269 |
| Type. | No |
| Contents | litre |
| Pack. | |

| |
|-------------------|
| -0101 |
| MOTOIL S 5W-40 1L |
| 1 |
| Can |

| |
|-------------------|
| -0200 |
| MOTOIL S 5W-40 5L |
| 5 |
| Can |

| |
|--------------------|
| -0309 |
| MOTOIL S 5W-40 10L |
| 10 |
| Can |



Luna. MOTOIL SS 10W-40 SEMI-SYNTHETIC

Applications

Recommended primarily for modern diesel engines in private cars and is also well-suited for small turbo diesels. The product can also be used in petrol and diesel engines in other private cars and light trucks, with or without a turbo.

Characteristics.

Based on a mixture of synthetic oil and mineral oil of a low friction type. The oil has very good low and high temperature characteristics, which gives easy starting and excellent lubrication during cold starts in the extreme cold and very good lubrication at high engine temperatures. The oil has low evaporation, which reduces oil consumption. The product also offers low friction, which reduces fuel consumption. Its cleaning effect contributes towards optimal function and long engine life. The oil provides reliable lubrication in all operating conditions and gives extended change intervals.

Advantages

A semi-synthetic engine oil of the highest quality, especially produced for modern diesel engines in private cars, with high power output, light oil volumes and long oil change intervals. The product promotes easy starting in the cold and excellent lubrication during all operating temperatures. Its low friction reduces fuel consumption. The oil gives maximum engine life and allows extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | |
|---------------|-------|
| Art. no. | 16270 |
| Type. | No |
| Contents | litre |
| Pack. | |

| |
|---------------------|
| -0108 |
| MOTOIL SS 10W-40 1L |
| 1 |
| Can |

| |
|---------------------|
| -0207 |
| MOTOIL SS 10W-40 5L |
| 5 |
| Can |

| |
|----------------------|
| -0306 |
| MOTOIL SS 10W-40 10L |
| 10 |
| Can |

Motor oil

Luna. MOTOIL MM 10W-30 MINERAL

Applications

Recommended primarily for diesel engines, with or without a supercharger and which are heavily loaded and/or run with extended oil change intervals. The oil is also recommended as a common oil when you have many different diesel engines that require different oil specifications. In addition, it works well with petrol engines.

Characteristics.

A diesel engine oil of SHPD quality (Super High Performance Diesel) for vehicles in heavy traffic and which work under difficult and demanding operating conditions. The base oil is a mineral oil with low viscosity and with very good oxidation resistance. The product conforms and surpasses the stringent demands of engine manufacturers. The oil provides reliable lubrication in all operating conditions and gives extended change intervals.

Advantages

Conforms and surpasses the stringent demands of engine manufacturers. The oil provides good lubrication in all operating conditions as well as low oil consumption. It can be used ideally for extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



Packaging:

| | | | | |
|-------------------------|--------------|----------------------|----------------------|-----------------------|
| Art. no. | 16271 | -0107 | -0206 | -0305 |
| Type | MOTOIL | MM 10W-30 MINERAL 1L | MM 10W-30 MINERAL 5L | MM 10W-30 MINERAL 10L |
| Contents . . . | litre | 1 | 5 | 10 |
| Pack. | | Can | Can | Can |

Luna. MOTOIL M 15W-40 MINERAL

Applications

Recommended primarily for diesel engines, with or without a supercharger and which are heavily loaded and/or run with extended oil change intervals. The oil is also recommended as a common oil when you have many different diesel engines that require different oil specifications. In addition, it works well with petrol engines.

Characteristics.

A diesel engine oil of SHPD quality (Super High Performance Diesel) for vehicles in heavy traffic and which work under difficult and demanding operating conditions. The base oil is a mineral oil with low viscosity and with very good oxidation resistance. The product conforms and surpasses the stringent demands of engine manufacturers. The oil provides reliable lubrication in all operating conditions and gives extended change intervals.

Advantages

conforms and surpasses the stringent demands of engine manufacturers. The oil provides good lubrication in all operating conditions as well as low oil consumption. It can be used ideally for extended change intervals.

Safety datasheet/product datasheet can also be downloaded from the Internet via (www.toolstore.com).



Packaging:

| | | | | |
|-------------------------|--------------|----------------------------|----------------------------|-----------------------------|
| Art. no. | 16272 | -0106 | -0205 | -0304 |
| Type | No | MOTOIL M 15W-40 MINERAL 1L | MOTOIL M 15W-40 MINERAL 5L | MOTOIL M 15W-40 MINERAL 10L |
| Contents . . . | litre | 1 | 5 | 10 |
| Pack. | | Can | Can | Can |



Air tool oil

Luna. AIRTOIL 15

Application area.

Is a white oil based on mineral oil without any additives. The oil can also be used as an air and mist lubrication oil for rotating tools where requirements on optimal cleanliness are made on the oil. The oil is refined for use e.g. as a softening agent within the chemical-engineering industry. The oil is odourless and does not discolour.

Characteristics. Within many fields of production there is a need of completely colourless mineral oils. They are used in applications where you wish to avoid discolouring the products, or where it is important that splashing from machines does not contaminate the completed product. The pneumatic tool oil offers good chemical and thermal stability.

Advantages. Pneumatic oil conforms to American requirements on white oil for the food industry

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|---------------|---------------|
| Art. no. | 15530 | -0106 | -0205 |
| Type | | AIRTOIL 15-1L | AIRTOIL 15-3L |
| Contents | litre | 1 | 3 |
| Pack. | | Can | Can |



Luna. AIRTOIL 22

Applications

Suitable as air and mist lubrication oil for rotating tools. Also recommended for industrial and some mobile hydraulic applications. The oil is recommended within the temperature range -25°C to +70°C.

Characteristics. The air tool oil is based on white oil, to meet demands on a good working environment. The product is sold as air and mist lubrication oil but is also suitable for modern, compact hydraulic systems where component parts require thin (ISO VG 22) oil with wear retarding characteristics. The oil also contains additives to counteract oxidation and foaming.

Advantages. Pneumatic tool oil gives an improved working environment and gives minimum wear to the lubrication system's components, compared with conventional air and mist lubrication oils.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | | |
|----------------|-------|---------------|---------------|---------------|
| Art. no. | 15531 | -0105 | -0204 | -0303 |
| Type | | AIRTOIL 22-1L | AIRTOIL 22-3L | AIRTOIL 22-5L |
| Contents | | 1 l | 3 l | 5 l |
| Pack. | | Can | Can | Can |

Compressor oil

Luna. COMPOIL SAE 30

Application area.

Recommended for all types of mobile and stationary piston compressors where a straight single grade oil SAE 30 quality is prescribed. The oil has many application areas. This makes it suitable when you wish to replace a number of different products with a single product.

Characteristics.

The compressor oil is a mineral oil based single grade engine oil with additives that prevent wear, corrosion and oxidation. The oil keeps the engine clean from deposits and residual deposits, which increases the engine's life and minimises the risk of lubricant related failure.

Advantages.

The compressor oil is primarily designed for stationary and mobile engines and marine diesels used for coastal shipping, but can also be used with hydraulic systems, compressors, converters, lawn mowers, etc where a single grade engine oil is prescribed.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|--------------|-------|-------------------|-------------------|
| Art. no..... | 15532 | -0104 | -0203 |
| Type | No | COMPOIL SAE 30-1L | COMPOIL SAE 30-3L |
| Contents ... | litre | 1 | 3 |
| Pack. | | Can | Can |



Luna. COMPOIL 100

Application area.

Recommended for all types of stationary reciprocating compressors. The oil is based on highly refined mineral oil with additives against oxidation, corrosion and foaming. The oil is viscosity stable and can, for example, be used beneficially with reciprocating compressors where straight oil with corresponding SAE 30 quality is prescribed.

Characteristics. Oil selection is decisive when it comes to assuring trouble-free operations on reciprocating compressors. Carbon deposits in reciprocating compressors can cause fires resulting in extensive damage. The compressor oil contains oxidation stable base oils, which together with carefully chosen additives give the oil its ability to counteract the build-up of carbon.

Advantages. The compressor oil is very oxidation stable and counteracts carbon build-up.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|------------|------------|
| Art. no..... | 15534 | -0102 | -0201 |
| Type | No | COMPOIL-1L | COMPOIL-5L |
| Contents | | 1 l | 5 l |
| Pack. | | Can | Can |



Compressor oil - Synthetic

Luna. COMPOIL 46 S

Application area.

Recommended for screw, piston, sliding vane and rotation compressors, where the compressor manufacturer prescribes oils of this viscosity and type.

Characteristics. Synthetic compressor oil is a polyalphaolefin based compressor oil with a broad temperature range, which means the oil withstands both lower and higher operating temperatures than mineral based oils. This together with low evaporation, low carbon susceptibility, quick air separation and good compatibility with seals makes it possible to extend oil change intervals.

Advantages. The synthetic compressor oils works within a greater temperature range the conventional compressor oils. The product is very oxidation stable, has excellent wear retarding characteristics and good water and air separation characteristics. Its technical properties permit extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|--------------|-------|------------------|-----------------|
| Art. no..... | 15533 | -0103 | -0202 |
| Type | No | COMPOIL 46 S1-1L | COMPOIL 46 S-5L |
| Contents ... | | 1 l | 5 l |
| Pack. | | Can | Can |





Cutting oil

Luna. CUTOIL

Application area.

Recommended for general to difficult cutting work on automatic tool steel, low and high grade steel, aluminium and copper. Ideal application areas are e.g. slot-mortising, ejector drilling, gear processing and gear grinding.

Characteristics. Straight cutting oil is a chlorine and sulphur-free oil based on highly refined mineral oil.

The product contains additives that minimise the formation of oil mist.

The product contains additives of the type EP, which minimise tool wear and gives a high surface finish on processed parts. The viscosity is adapted so that the oil easily runs off parts and gives a good cooling effect.

Advantages. Straight Cutting oil with very good lubrication properties and a long life. The product gives minimal oil mist, which contributes towards a good working environment and the oil does not discolour copper and its alloys.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|-----------|-----------|
| Art. no. | 15547 | -0107 | -0206 |
| Type | No | CUTOIL-3L | CUTOIL-5L |
| Contents | | 3 l | 5 l |
| Pack. | | Can | Can |



Luna. CUTOIL BIO

Application area.

Is based on vegetable oils. The oil is used as a lubricant/coolant when grinding, honing, polishing and during cutting operations. The oil is suitable for grinding high speed steel, tool steel, tungsten carbide with grinding wheels manufactured of materials such as ceramics, boron nitride (CBN) and diamonds.

Advantages. Straight cutting oil bio can be used within the automotive industry when pressing aluminium and hot-dipped and electro galvanised sheet.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|---------------|---------------|
| Art. no. | 15548 | -0106 | -0205 |
| Type | No | Cutoil BIO-3L | Cutoil BIO-5L |
| Contents | | 3 l | 5 l |
| Pack. | | Can | Can |



Cutting fluids

Luna. CUTFLUID

Applications

Is a water mixable, cutting fluid, designed for use in most types of general cutting and grinding operations on high and low alloy steel, aluminium and copper.

Characteristics. In cutting work on metals the cutting fluid is used to cool, lubricate and protect against rust. When you primarily prefer cooling you should use emulsions or solutions with water.

The cutting fluid is a bio-stabile, emulsifiable cutting oil based on highly-refined mineral oil with wear diminishing and film enhancing additives. The cutting fluid has a good capacity to separate leakage oil. Its high bio-stability gives a long life and with that lower destruction costs.

Advantages. The cutting fluid gives a stabile, lubricating emulsion with good corrosion protection and good capacity to separate leakage oil.

The safety data sheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|-------------|-------------|
| Art. no. | 15550 | -0101 | -0200 |
| Type | No | CUTFLUID-3L | CUTFLUID-5L |
| Contents | | 3 l | 5 l |
| Pack. | | Can | Can |

Cutting fluids

Luna. CUTFLUID BIO

Applications

Is a water mixable, transparent cutting fluid bio of a micro emulsion type, based on vegetable oils, for use as a lubricant and coolant for general cutting operations, e.g. turning, milling, drilling, cutting, thread cutting, grinding of materials such as cast iron, steel, stainless steel, yellow metals and aluminium alloys.

Characteristics. The cutting fluid bio has enhanced microbiological protection.

Advantages. The cutting fluid bio has been developed to give an optimal working environment with a minimum of tool wear

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



Packaging:

| | | | |
|---------------|-------|-----------------|-----------------|
| Art. no..... | 15551 | -0100 | -0209 |
| Type | No | CUTFLUID BIO-3L | CUTFLUID BIO-5L |
| Contents..... | | 3 l | 5 l |
| Pack..... | | Can | Can |

Grinding fluids

Luna. GRINDFLUID

Application area.

Primarily designed for grinding on most types of materials, but also for more basic cutting work. Metal-working fluid is a synthetic cutting fluid that gives a stabile, transparent solution. The product is low-foaming, has a low mist forming tendency and leaves no sticky residue. Luna Metal-working fluid has good corrosion protection properties down to 1 % concentration.

Characteristics. In cutting work on metals the grinding fluid is used to cool, lubricate and protect against rust. When you primarily prefer cooling you should use emulsions or solutions with water.

Advantages. Metal-working fluid has low-foaming properties and leaves no sticky residue. The product gives very little mist, which improves the working environment.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



Packaging:

| | | | |
|---------------|-------|---------------|---------------|
| Art. no..... | 15552 | -0109 | -0208 |
| Type | No | GRINDFLUID-3L | GRINDFLUID-5L |
| Contents..... | | 3 l | 5 l |
| Pack..... | | Can | Can |

Luna. GRINDFLUID BIO

Application area.

Is a water mixable, transparent metal working fluid bio designed as a lubricant, coolant and rust inhibitor. Ideal for light cutting work where above all cooling and chip transport is required.

Characteristics. Grinding fluid BIO contains no protection for the deposit of heavy metals when processing hard metal.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



Packaging:

| | | | |
|---------------|-------|-------------------|-------------------|
| Art. no..... | 15553 | -0108 | -0207 |
| Type | No | GRINDFLUID BIO-3L | GRINDFLUID BIO-5L |
| Contents..... | | 3 l | 5 l |
| Pack..... | | Can | Can |



Thread and cutting paste

Luna. UNIPASTE BIO

Application area.

Is a vegetable semisolid grease with very good lubricating characteristics. The product is designed for metal working at low cutting speeds, e.g. tapping and drilling. The product can ideally be used as a threading paste for applications where you choose to use an environmental adapted options.

Handling advice

Thread & cutting paste bio is applied using a brush or by dipping drills and taps directly in the packaging.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | |
|----------------|-------|-------------------|
| Art. no. | 15555 | -0106 |
| Type | No | UNIPASTE BIO-500G |
| Contents | g | 500 |
| Pack. | | Tin |



System cleaner

Luna. SYSTCLEAN 1

Application area.

Is a cleaner for systems with emulsions and water mixable cutting fluids. The product is used when the cutting fluid is to be changed. It is important to clean the cutting fluid system carefully before being filled with a new cutting fluid. This is so the new emulsion/solution has the longest possible life.

Advantages. System cleaner cleans the system effectively. The product breaks down fungi and bacteria and removes coatings.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | |
|----------------|-------|----------------|
| Art. no. | 15554 | -0206 |
| Type | No | SYSTCLEAN 1-5L |
| Contents | | 5 l |
| Pack. | | Can |



Slide oil/Circulation oil

Luna. COMBIOIL 68

Application area.

Recommended for tool machines and other machines where sliding movement occurs. The oil can also be used for circulation lubrication of bearings and gears. The combi-oil is especially recommended for machines where the hydraulic system is integrated with other machine lubrication, and for hydraulic lifts and column lifts.

Characteristics. Combiol is based on light, highly refined paraffin base oils enhanced with selected additives. These additives give above all very good deemulsification properties. Stick-slip is also prevented. The oil has good thermal stability, gives good adhesion and counteracts wear and corrosion.

Advantages. One of the most important functions of a slide oil is that it is easily separated from water-based cutting fluids. This deemulgation property is especially good with combi-oils.

In addition, when lubricating tool machines it is important that the worktop slides smoothly without jerking, so that a high surface finish can be obtained on the finished material. Jerky movement, a.k.a. Stick-slip, occurs at low sliding speeds and high loads on the guides. The oil is developed to meet the demands that the workshop industry makes on good slide and circulation oil.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|-------------|--------------|
| Art. no. | 15535 | -0101 | -0200 |
| Type | No | COMBIOIL-5L | COMBIOIL-10L |
| Contents | | 5 l | 10 l |
| Pack. | | Can | Can |

Slide oil/Circulation oil

Luna. COMBIOIL 68 BIO

Application area.

A vegetable based slide oil. Recommended for slides on tool machines where vegetable cutting oils are used. Should not be used on machines with cutting fluids mixed with water.

Characteristics. The combioil bio is a vegetable based slide and circulation oil. Designed for machines with a central lubrication system.

Advantages. Combi oil BIO contains components that prevent uneven or "jerky" movements, a.k.a. Stick slip. Combi oil BIO contains components that prevent uneven or "jerky" movements, a.k.a. Stick slip.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------------|--------------|--------------------|---------------------|
| Art. no. | 15536 | -0100 | -0209 |
| Type | No | COMBIOIL 68 BIO-5L | COMBIOIL 68 BIO-10L |
| Contents ... | | 5 l | 10 l |
| Pack. | | Can | Can |



Gearbox oil

Luna. GEAROIL EP 220

Application area.

Is a mineral oil based gearbox oil with EP booster. The oil is recommended for all types of industrial gearboxes and some mobile and marine equipment. The oil can withstand operating temperatures up to +80 °C without harmful oxidation products or deposits occurring.

Characteristics. The gearbox oil is a mineral based oil for heavily loaded gearboxes. It is intended for extreme load conditions under normal temperatures. The oil contains additives to counteract wear, rust, oxidation and foaming.

The oil quickly separates water and air, and has good filtering qualities.

Advantages. The gearbox oil withstands heavy loads without wear to the gearbox components. The product has rapid air and water separation, and good filtering qualities. This gives high operating reliability.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | | |
|-------------------|--------------|-------------------|-------------------|--------------------|
| Art. no. . | 15537 | -0109 | -0208 | -0307 |
| Type ... | No | GEAROIL EP 220-3L | GEAROIL EP 220-5L | GEAROIL EP 220-10L |
| Contents litre | | 3 | 5 | 10 |
| Pack. ... | | Can | Can | Can |



Gearbox oil - Synthetic

Luna. GEAROIL 220 S

Application area.

Recommended as a gear and worm gear oil. The oil is particularly recommended where operating temperatures can reach +130 °C in continuous operations.

Characteristics. Synthetic Gearbox oil a polyalphaolefin based high performance lubricant. The oil is primarily intended for extreme temperatures and load conditions. The oil can temporarily withstand temperature peaks up to +200 °C without harmful oxidation products or deposits occurring.

Advantages. Synthetic Gearbox oil withstands very high temperatures and loads without resulting in wear to system component. The oil can be fully mixed with mineral oil based products and creates the conditions for extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | | |
|---------------------|--------------|------------------|------------------|-------------------|
| Art. no... . | 15538 | -0108 | -0207 | -0306 |
| Type | No | GEAROIL 220 S-3L | GEAROIL 220 S-5L | GEAROIL 220 S-10L |
| Contents. | | 3 l | 5 l | 10 l |
| Pack..... | | Can | Can | Can |



Electric generator oil

Luna. GENOIL 10W/40

Application area.

Recommended as uniform oil for all types of petrol and diesel engines, which drive electric generators where the manufacturer of the electric generator prescribes standards and viscosity that are suitable for use in hot and cold climates. Luna Electric Generator 10W/40 is very viscosity stable. The quality of the base oil together with carefully selected additives contribute to prevent carbon formation.

Characteristics. Electric generator oil is mineral oil based engine oil with carefully selected additives for the best function. The base oil and the used additives contribute towards maintaining the lubrication characteristics even during tough operations.

Advantages. The electric generator oil promotes easy starting and good lubrication in the cold and is a very good mineral oil based engine oil with specially high specifications.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|-----------------|-----------------|
| Art. no. | 15539 | -0107 | -0206 |
| Type | No | GENOIL10W/40-1L | GENOIL10W/40-3L |
| Contents | | 1 l | 3 l |
| Pack. | | Can | Can |



Jack oil

Luna. JACKOIL 10

Application area.

A mineral oil based hydraulic and machine oil. The product is also suitable for lubrication of bearings, regulators, gear wheels and is ideal for use as general circulation and machine lubrication where an oil with a thin viscosity is the optimal selection.

The oil satisfies the most stringent requirements for filterability of hydraulic manufacturers.

Characteristics. Jack oil has a naturally high viscosity index. The oil aslope has good wear protection, and protects against rust and corrosion. The rapid air separation prevents foaming

Advantages. Oil 10 is zinc free to reduce the load on the outer and inner environment.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|--------------|---------------|
| Art. no. | 15540 | -0104 | -0203 |
| Type | No | JACKOIL10-1L | JACKOIL 10-3L |
| Contents | | 1 l | 3 l |
| Pack. | | Can | Can |



Hydraulic oil

Luna. HYDOIL XLT

Application area.

The oil has been developed and designed for the Scandinavian climate and is a recommended as an all-round oil. The oil has a broad application area and can be used in numerous precision demanding applications within industry, contract work and marine applications. The oil has a high viscosity index at the temperature range from -40°C up to +90°C.

Characteristics. The hydraulic oil is based on highly refined mineral oil. The wear protection additive is zinc-free and gives excellent wear protection. The hydraulic oil's special low temperature characteristics and high viscosity index permit the hydraulic system to start in the extreme cold and give assured running in varying operating temperatures. The oil permits disturbance free operations from as low oil temperatures as -40°C up to +90°C, depending on the working pressure (see the under handling advice level 1). Using the hydraulic oil the hydraulic system receives excellent protection against corrosion.

Advantages. The hydraulic oil has good functionality within in a very broad temperature range. The product contains zinc-free additives, which reduce environmental impact. The oil has a broad application area and can be used for numerous precision demanding applications.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|---------------|----------------|
| Art. no. | 15541 | -0103 | -0202 |
| Type | No | HYDOIL XLT-5l | HYDOIL XLT-10L |
| Contents | litre | 5 | 10 |
| Pack. | | Can | Can |



Hydraulic oil

Luna. HYDOIL 32 HVI

Application area.

Has been developed for use in hydraulics that work under exacting conditions. The oil has a large working temperature range and works extremely well in Scandinavian winter conditions and in warmer climates.

Characteristics. The hydraulic oil is based on highly refined mineral oil. The oil is ashless and with that eliminates filter related operating problems. It provides excellent wear protection, which gives long component life. The oil can be mixed with most hydraulic oils and conforms and surpasses standards and requirements prescribed by leading hydraulic manufacturers.

High viscosity index together with high shear stability and high oxidation stability means that oil has optimal viscosity in varying operating conditions during long periods. The oil prevents sludge formation in hydraulic systems and has very good ability to separate air and water, and has a good corrosion retardation effect.

Advantages. The hydraulic oil meets and exceeds the user's requirements on a highly advanced hydraulic oil for cutting edge hydraulics, which work under varying temperature conditions. Filter related problems are avoided when using the oil and operating reliability is good. The system service life increases which contributes towards extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------------|--------------|------------------|-------------------|
| Art. no. | 15542 | -0102 | -0201 |
| Type | No | HYDOIL 32 HVI-5L | HYDOIL 32 HVI-10L |
| Contents | | 5 l | 10 l |
| Pack. | | Can | Can |

Luna. HYDOIL 46 HVI

Application area.

Has been developed for use in hydraulics that work under exacting conditions. The oil has a large working temperature range and works extremely well in Scandinavian winter conditions and in warmer climates.

Characteristics. The hydraulic oil is based on highly refined mineral oil. The oil is ashless and with that eliminates filter related operating problems. It provides excellent wear protection, which gives long component life. The product can be mixed with most hydraulic oils and conforms and surpasses standards and requirements prescribed by leading hydraulic manufacturers.

High viscosity index together with high shear stability and high oxidation stability means that oil has optimal viscosity in varying operating conditions during long periods. The oil prevents sludge formation in hydraulic systems and has very good ability to separate air and water, and has a good corrosion retardation effect.

Advantages. Modern hydraulic systems place high demands on the hydraulic oil. The oil meets and exceeds the user's requirements on a highly advanced hydraulic oil for cutting edge hydraulics, which work under varying temperature conditions. Filter related problems are avoided when using the oil and operating reliability is good. The system service life increases which contributes towards extended change intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------------|--------------|-----------------|------------------|
| Art. no. | 15543 | -0101 | -0200 |
| Type | No | HYDOIL46 HVI-5L | HYDOIL46 HVI-10L |
| Contents | | 5 l | 10 l |
| Pack. | | Can | Can |

Luna. HYDOIL 46 BIO

Application area.

Is an environmentally adapted hydraulic oil, based on especially selected esters, for use in both mobile and stationary hydraulics.

Characteristics. The bio technical performance of the hydraulic oil is very good and in many cases better than equivalent mineral oil based hydraulic oil.

Advantages. Hydraulic oil bio is easily degradable and has a low toxicity. The primary characteristics of the base liquid are a high degree of saturation, high viscosity index and high biological degradability. This gives technical advantages in the form of very good oxidation stability, good low temperature characteristics and a high viscosity index.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------------|--------------|------------------|-------------------|
| Art. no. | 15544 | -0100 | -0209 |
| Type | No | HYDOIL 46 BIO-5L | HYDOIL 46 BIO-10L |
| Contents | | 5 l | 10 l |
| Pack. | | Can | Can |



Saw chain oils

Luna. SAWOIL

Application area.

Recommended for all-round-use for cross-cutting and cutting saws on felling machines and for chain saws. The product can be mixed with chain saw oils that contain mineral or rapeseed oil.

Characteristics. The saw chain oil is mineral oil based with good adhesion, film strength, creep ability and wear protection effect. This gives low oil-consumption and effective lubrication of the chain and bar. The oil's viscosity and adhesion ability together with low temperature characteristics make it suitable for all-year-round usage.

Advantages. The chain saw oil has good lubricant and adhesivity properties.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



Packaging:

| | | | | |
|----------------|-------|-----------|-----------|------------|
| Art. no. | 15545 | -0109 | -0208 | -0307 |
| Type | No | SAWOIL-1L | SAWOIL-5L | SAWOIL-10L |
| Contents | | 1 l | 5 l | 10 l |
| Pack. | | Can | Can | Can |

Luna. SAWOIL BIO

Application area.

Is an environmentally adapted oil, based on highly refined vegetable oils, for use as an all-year-round lubricant for chains and bars on chain saws and felling machines.

Characteristics. The saw chain oil bio is an oil with good adhesion, film strength, creep ability and wear protection effect. This gives low oil-consumption and effective lubrication of the chain and bar. The oil's viscosity and adhesion ability together with low temperature characteristics make it suitable for all-year-round usage.

Advantages. Saw chain oil bio is 95 % biological degradable.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



Packaging:

| | | | | |
|----------------|-------|---------------|---------------|----------------|
| Art. no. | 15546 | -0108 | -0207 | -0306 |
| Type | No | SAWOIL BIO-1L | SAWOIL BIO-5L | SAWOIL BIO-10L |
| Contents | | 1 l | 5 l | 10 l |
| Pack. | | Can | Can | Can |

Universal grease

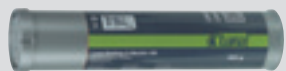
Luna. UNIGRE ST 2

Application area. Is a multi purpose grease which is recommended for both smaller, lightly loaded and larger, heavily loaded plain and roller bearings and where a grease of the type lithium soap "EP 2" is prescribed. The product is recommended within the temperature range -30°C to +120°C suitable up to the entire speed range according to SKF's main catalogue.

Characteristics. The multi purpose grease is a mineral oil based grease thickened with lithium soap. The grease's good water resistance makes it suitable for wet bearing modules.

Advantages. The multi purpose grease has very good corrosion protection, good water resistance and good mechanical stability.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



Packaging:

| | | | | | |
|----------------|--------|------------|------------|----------|------------|
| Art. no. | 15556 | -0105 | -0204 | -0303 | -0402 |
| Type | UNIGRE | ST 2-225 G | ST 2-400 G | ST 2-1KG | ST 2-18 KG |
| Contents | | 225 g | 400 g | 1 kg | 18 kg |
| Pack. | | Tube | Cartridge | Tin | Bucket |

Universal grease

Luna. UNIGRE EX 2.5

Application area. Recommended for vehicles and industrial use, for both smaller, lightly loaded and larger, heavily loaded plain and roller bearings.

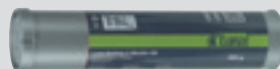
Characteristics. Multi purpose grease is a lithium complex thickened grease based on mineral oil. The grease's good water resistance makes it suitable for wet internals. The product is a device grease that contains additives to counteract wear and corrosion. The grease also contains oxidation preventive additives for long usability at high temperatures.

Advantages. The product is a multi purpose grease for applications where the lubricant must withstand high temperatures and loads over long periods. The grease also has good water resistance.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| Art. no. | 15558 | -0103 | -0202 |
|----------------|--------|-------------|--------------|
| Type | UNIGRE | EX 2.5-400G | EX 2.5-18 KG |
| Contents | | 400 g | 18 kg |
| Pack. | | Cartridge | Bucket |



Luna. UNIGRE EX 2 BIO

Application area. Recommended as a multi purpose grease within industry and civil engineering. It is suitable for most grease applications, e.g. the lubrication of small, lightly loaded as well as large, heavily loaded plain and roller bearings. Recommended within the temperature interval -30°C to +140°C.

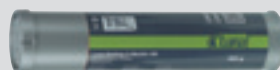
Characteristics. Multi purpose grease bio is a lithium complex thickened multi purpose grease based on biologically degradable synthetic fibre esters. The grease contains additives that prevent wear, abrasion and corrosion. The grease has very good mechanical stability. The grease is developed to meet the increasing demands on environmentally and biologically degradable products.

Advantages. Multi purpose grease bio is an environmentally adapted grease with very good mechanical stability.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| Art. no. | 15557 | -0104 | -0203 | -0302 | -0401 |
|----------------|--------|----------|-----------|----------|----------|
| Type | UNIGRE | EX 2 BIO | 2 BIO | EX 2 BIO | EX 2 BIO |
| Contents. | | 225 G | 400 G | 500 G | 18 KG |
| Pack. | | 225 g | 400 g | 500 g | 18 kg |
| | | Tube | Cartridge | Tin | Bucket |



Luna. UNIGRE SP 2

Application area. Recommended for lubrication of e.g. chassis, civil engineering, agricultural and forestry machines e.g. "harvesters", water pumps and the like. The grease has excellent water resistance and corrosion protection and very good adhesivity and mechanical stability properties. The grease is especially suitable when extended lubrication intervals are a practical necessity. The grease is also suitable for marine equipment in docks, deck equipment onboard ship where condensation and water are common.

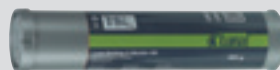
Characteristics. The multi purpose grease is a long term grease for heavily loaded slide and roller bearings. The product is a water-free, calcium saponified grease of mineral oil base. Recommended within the temperature range -20°C to +120°C. Suitable up to 2/3 of the speed limit according to SKF's main catalogue.

Advantages. Multi purpose grease with excellent mechanical stability and water resistance. This means the product is ideally suited for extended lubrication intervals.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| Art. no. | 15559 | -0102 | -0201 | -0300 | -0409 |
|----------------|--------|-----------|-----------|-----------|-----------|
| Type | UNIGRE | SP 2-225G | SP 2-400G | SP 2-1 KG | SP 2-18kg |
| Contents. | | 225 g | 400 g | 1 kg | 18 kg |
| Pack. | | Tube | Cartridge | Tin | Bucket |





14902-0109



14902-0208

Universal spray

Luna. UNIOIL A + PTFE

Application area.

Is a high class multi purpose lubricant with good penetration and lubricant properties. The product can be used beneficially for plain bearings, chains, wires, locks, hinges, conveyors, sliding surfaces, wheels, fittings, guiding devices, runners, tools, fabric and sewing machines, printers and copying machines.

Characteristics.

Multi purpose Teflon oil which is based on full synthetic oil. The combination synthetic oil and + PTFE (Teflon) contributes to strong characteristics for the product. These characteristics together with the fact the product is free of solvents means that it has a high environment and technical quality.

Advantages.

Multi purpose Teflon oil is colourless, water repellent, and has excellent adhesion. The product can be easily applied as the aerosol bottle can also be used upside and down on application. Temperature range for the applied product is -60°C to max 250 °C.

All content in the aerosol is consumed on account of the unique filling technique used for the propellant. The aerosol is made of brushed aluminium, which eliminates corrosion attack on the aerosol. The aerosol is easy to handle during destruction.

Only for professional use.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|--------------------|---------------------|
| Art. no. | 14902 | -0109 | -0208 |
| Type | No | UNIOIL A PTFE-85ML | UNIOIL A PTFE-520ML |
| Contents . . . | ml | 85/65 | 520/400 |
| Pack. | | Aerosol | Aerosol |



14903-0108



14903-0207

Luna. UNIGRE A

Application area.

Is a lubricant for exacting lubrication applications. The grease can ideally be used for chains, hinges, joints, wires, gears, bearings, runners, locks, vibration sensitive applications, etc. The grease has good penetration and adhesive properties.

Characteristics.

Multi purpose grease is a transparent lubricant based on Vaseline and synthetic oil. Together with the product's other additives, the product becomes optimal as a lubricating grease in aerosols. The product has a high technical quality also in varying temperature conditions.

Advantages.

Multi purpose grease repels water, and has excellent adhesion qualities. The product can be easily applied as the aerosol bottle can also be used upside and down on application. Temperature range for the applied product is -40°C to max 210°C.

All content in the aerosol is consumed on account of the unique filling technique used for the propellant. The aerosol is made of brushed aluminium, which eliminates corrosion attack on the aerosol. The aerosol is easy to handle during destruction.

Only for professional use.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).

Packaging:

| | | | |
|----------------|-------|---------------|----------------|
| Art. no. | 14903 | -0108 | -0207 |
| Type | No | UNIGRE A-65ML | UNIGRE A-520ML |
| Contents . . . | ml | 85/65 | 520/400 |
| Pack. | | Aerosol | Aerosol |

Universal spray

Luna. UNIDEGRE A

Application area.

Used to clean metal surfaces where it is important with a dry and clean surface before new lubricant such as grease and oil is applied. The product can also be used to quickly and effectively clean surfaces such as glass, rubber and plastic.

Characteristics.

Universal degreasing is a fast evaporating cleaning and degreasing agent. The product characteristics together with the high application pressure from the aerosol's valve facilitate effective cleaning in confined areas where grease, oil, resin, and tar residue is difficult to remove.

Advantages.

Universal degreaser equipped with a special valve that increases the force with a presided jet, which also facilitates mechanical cleaning. All content in the aerosol is consumed on account of the unique filling technique used for the propellant. The aerosol is made of brushed aluminium, which eliminates corrosion attack on the aerosol. The aerosol is easy to handle during destruction.

Handling advice

Working temperature and storage of ready-mixed product aerosols, Max 50°C.

Only for professional use.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



14905-0106



14905-0205

Packaging:

| Art. no. | 14905 | -0106 | -0205 |
|------------------|-------|-----------------|------------------|
| Type | No | UNIDEGRE A-65ML | UNIDEGRE A-460ML |
| Contents | ml | 85/65 | 520/460 |
| Pack | | Aerosol | Aerosol |

Rust remover

Luna. UNIRUST A MoS2

Application area.

Is a high grade penetrating rust remover. The product is developed to effectively remove rust on light to in some cases heavy machine elements in indoor and outdoor environments. The product removes rust, lubricates, drives out moisture and act as a light rust inhibitor.

Characteristics.

Universal rust remover MoS2 is based on mineral oil and solvent with a high level of molybdenum disulphide as an additive. The product can ideally be used to loosen and lubricate rusted bolts, threads, wires, etc.

Advantages.

All content in the aerosol is consumed on account of the unique filling technique used for the propellant. The aerosol is made of brushed aluminium, which eliminates corrosion attack on the aerosol. The aerosol is easy to handle during destruction.

Handling advice

Working temperature and storage of ready-mixed product aerosols, Max 50°C.

Only for professional use.

The safety datasheet can be downloaded from the Internet via (www.toolstore.com).



14904-0107



14904-0206

Packaging:

| Art. no. . . . | 14904 | -0107 | -0206 |
|------------------|-------|---------------------|----------------------|
| Type | No | UNIRUST A MoS2-65ML | UNIRUST A MoS2-400ML |
| Contents | ml | 85/65 | 520/400 |
| Pack | | Aerosol | Aerosol |

Welding

Luna's filler material comprises of around 200 items; arc welding electrodes, solid welding wire, flux cored wire, gas welding wire, solder for hard soldering, and flux. It also includes a programme of machines for MMA (electrode) welding and MIG-MAG welding.

The machines, 1- and 3-phase, are portable and are chiefly designed for the maintenance and service sector.



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| Hard soldering..... | 401 |



Welding

Welding machines

Inverter



20422-0107



20422-0305

Luna. Inverter, suitable for repair and maintenance welding. The negligible weight of the machine makes it very portable.

Adapted to be used together with TIG adapter.

Fitted with "Hot Start", "Anti Stick", "Arc Force", and "thermofuse" against overloading.

WI 2205 also equipped with Digital Ampermeter.

WI 1505/1705 supplied with 2.2 m mains cable with plug

WI 2205 are supplied with mains cable without plug.

NOTE! Supplied without welding cable and return cable, see accessories below.

(* When using a lower type of fuse the power outlet and length of welding period should be adjusted accordingly.)

| Art. no. | 20422 | -0107 | -0206 | -0305 |
|--------------------------------------|--------------|--------------|--------------|--------------|
| Luna. | No | WI 1505 | WI 1705 | WI 2205 |
| Supply voltage. | V | 230 | 230 | 400 |
| | | 1-phase | 1-phase | 3-phase |
| Max connected power. | 60% kVA | 3 | 3.7 | - |
| Max connected power. | 70% kVA | - | - | 8.6 |
| Fuse (time lag) 230V 1-phase. | A | 16* | 16* | - |
| Fuse (time lag) 230V 3-phase. | A | - | - | 16 |
| Fuse (time lag) 400V 3-phase. | A | - | - | 10 |
| Insulation class. | | H | H | H |
| Protection class. | IP | 23 | 23 | 23 |
| Control range. | A | 5-130 | 5-150 | 5-200 |
| Max load 100% int. | A | - | - | 160 |
| 70% duty cycle. | A | - | - | 200 |
| 60% duty cycle. | A | 100 | 120 | - |
| 40% duty cycle. | A | 130 | 150 | - |
| Open circuit voltage, approx. | V | 80 | 80 | 80 |
| Suitable electrodes. | mm | 1.6-3.25 | 1.6-3.25 (4) | 1.6-5.0 |
| Welding coupling. | mm | 9 | 9 | 13 |
| Dimension LxWxH. | mm | 310x120x270 | 310x120x270 | 520x230x330 |
| Weight. | kg | 5 | 5 | 9.5 |
| Ditto for Norway. | 20422 | - | - | -5007 |
| Motor voltage. | V | - | - | 230 3-phase |
| Welding cable, complete. | 6814 | -0102 | -0102 | -1001 |
| Size mm ² / m. | | 16/3 | 16/3 | 25/5 |
| Return cable, complete. | 6814 | -0201 | -0201 | -1100 |
| Size mm ² / m. | | 16/3 | 16/3 | 25/5 |

*) When using a lower fuse rating, the current output, size of electrode and the welding period should be adapted accordingly.

Welding machines

Gas welding machine

MIG/MAG semiautomatic



20421-0090



20421-0108



20421-0207

Luna. MIG/MAG semi-automatic in compact version. Suitable for car work, sheet metal work, crafts, service and maintenance within industry, etc. Also suitable for welding outdoors, when it is not possible to weld with shielding gas, and when a flux-filled welding wire is used. The transformer can be reset to different voltage positions and is protected from "thermal overloading". "The wire feed is electronically controlled and stabilised", and has "automatic afterburning" to prevent burning the welding wire. WM 1905/2405 are also equipped with "timer for spot welding".

When welding aluminium the nozzle (one dimension larger than the wire), feed wheel, and wire guide (Teflon) should be replaced.

Supplied with 3 m long hose bundle with central connection, 1.7 m return cable with clamps and 3 m mains cable. WM 1605 F delivered with socket.

Brochure on request.

| Art. no. | 20421 | -0090 | -0108 | -0207 |
|--|--------------|-------------|--------------|--------------|
| Luna | No | WM 1605 F | WM 1905 F | WM 2405 F |
| Input voltage | V | 230 | 230/400 | 230/400 |
| | | 1-phase | 3-phase | 3-phase |
| Installed power | 60% kVA | 2.7 | 3.2 | 5.9 |
| Fuse (delayed) 230V 1-phase | A | 16* | - | - |
| Fuse (delayed) 230V 3-phase | A | - | 10 | 20 |
| Fuse (delayed action) 400V 3-phase | A | - | 6 | 16 |
| Insulation class | | H | H | H |
| Protection class | IP | 22 | 22 | 22 |
| Max. load 100% duty cycle | A | 65 | 75 | 135 |
| 60% duty cycle | A | 80 | 118 | 175 |
| 35% duty cycle | A | - | - | 230 |
| 20% duty cycle | A | 145 | 170 | - |
| Current range | A | 30-160 | 30-170 | 30-240 |
| Voltage settings | ea | 6 | 7 | 8 |
| Open circuit voltage | approx. V | 17-33 | 16.5-32.5 | 17-38 |
| Wire dimension Fe | mm | 0.6-0.8 | 0.6-0.8 | 0.6-1.0 |
| Wire dimension Stainless steel | mm | 0.8 | 0.8 | 0.8-1.0 |
| Wire dimension Alu | mm | 0.8-1.0 | 0.8-1.0 | 0.8-1.0 |
| Wire dimension Flux cored wire | mm | 0.8-1.2 | 0.8-1.2 | 0.8-1.2 |
| Wire reel size | kg | 5 | 5-15 | 5-15 |
| Dimension LxWxH | mm | 500x280x420 | 770x460x660 | 830x500x740 |
| Weight | kg | 33 | 48 | 75 |
| Ditto for Norway | 20421 | - | -5008 | -5107 |
| Supply voltage | V | - | 230 3-phase | 230 3-phase |
| Fuse slow | A | - | 16* | 16* |

* When using a 10A slow burn fuse the power outlet and length of welding period should be adjusted accordingly

Welding electrodes

For unalloyed steel



Weld position



Description:

Luna. R 40. Rutile electrode. Intended for general welding of non-alloyed steel. R 40 principally has excellent weld characteristics in vertical upwards and in overhead welding positions, but can also be used in all other welding positions. The electrode is easily ignited, burns with a soft and stable arc and gives smooth weld which is easy to clean. R 40 is suitable for general structural welding as well as repair and maintenance work.

Current type: AC/DC-. **Open circuit voltage:** OCV 50V.

Electrode class: EN ISO 2560 A:E 42 0 RC11 AWS A5. 1:E. 6013.

Mechanical characteristics:

Tensile yield limit: R_g : 420 - 510 N/mm².

Breaking point: R_m : 510 - 610 N/mm².

Extension: A_g : >22%.

Impact strength: KV: 0°C ● >47J.

| Art. no. | 20592 | -0101 | -0200 | -0309 | -0408 |
|-------------------------------|---------|-------|--------|---------|-------|
| Diameter | mm 2 | 2.5 | 2.5 | 3.2 | 4.0 |
| Length | mm 300 | 350 | 350 | 350 | 350 |
| Welding current | A 30-50 | 55-85 | 90-135 | 130-170 | |
| Weight per capsule | kg 1.0 | 2.8 | 2.9 | 2.5 | |
| Weight per carton | kg - | 14.0 | 14.5 | 12.5 | |
| Number of capsules per carton | ea. - | 5 | 5 | 5 | |
| Order point | 1 | 14* | 15* | 13* | |

*) Only unopened pack.

Description:

Luna. R 43. Rutile electrode. Intended for general welding of non-alloyed steel. R 43 has primarily very good welding characteristics in vertical fillet joints and vertically up. Can be recommended when welding sheet steel as well as corners and fillet joints. The electrode is very easy welded, which makes it suitable for untrained users.

Current type: AC/DC-. **Open circuit voltage:**

Electrode class: EN ISO 2560 A:E 42 0 RR12 AWS A5. 1:E. 6013.

Mechanical characteristics:

Tensile yield limit: R_g : 420 - 510 N/mm².

Breaking point: R_m : 510 - 610 N/mm².

Extension: A_g : >22%.

Impact strength: KV: 0°C ● >47J.



Weld position



| Art. no. | 20593 | -0001 | -0100 | -0209 | -0308 | -0407 | -0506 |
|-------------------------------|--------|-------|-------|-------|-------|---------|---------|
| Diameter | mm 2 | 2 | 2.5 | 2.5 | 2.5 | 3.2 | 4.0 |
| Length | mm 300 | 300 | 300 | 350 | 350 | 350 | 450 |
| Welding current | A - | - | 50-70 | 65-90 | 65-90 | 100-140 | 140-180 |
| Weight per capsule | kg - | - | 1.0 | - | 3.0 | 2.7 | 6.0 |
| Weight per carton | kg - | - | - | - | 15.0 | 13.5 | 18.0 |
| Number of capsules per carton | ea. - | - | - | - | 5 | 5 | 3 |
| Order point | 5* | 1 | 15* | 15* | 14* | 18* | |

*) Only unopened pack.

Welding electrodes

For unalloyed steel

Description:

Luna. R 44S. Rutile electrode. Intended for general welding of non-alloyed steel. R 44S welds in all positions and above all has very good characteristics in the vertical down position. R 44S is tolerant to varying surfaces and has excellent characteristics when bridging large joint openings. R 44S can be welded in different positions with unchanged current settings. R 44S can be welded in different positions with unchanged current settings.

Current type: AC/DC-. **Open circuit voltage:** -

Electrode class: EN ISO 2560 A:E 38 O RC 11 AWS A5.1:E 6012.

Mechanical characteristics:

Tensile yield limit: R_e : 470 N/mm²

Breaking point: R_m : 550 N/mm²

Extension: A_5 : >23%

Impact strength:KV: 0C° ● >56J



Weld position



| Art. no. | 20594 | -0109 | -0208 | -0307 | -0406 |
|-------------------------------|-------|-------|-------|--------|---------|
| Diameter | mm | 2.5 | 2.5 | 3.2 | 4.0 |
| Length | mm | 350 | 350 | 350 | 350 |
| Welding current | A | 70-90 | 70-90 | 95-130 | 130-170 |
| Weight per capsule | kg | - | 2.8 | 2.7 | 2.7 |
| Weight per carton | kg | - | 14.0 | 13.5 | 13.5 |
| Number of capsules per carton | ea. | - | 5 | 5 | 5 |
| Order point | | 5* | 14* | 14* | 14* |

*) Only unopened pack.

Description:

Luna. R 47D. Rutile-basic low hydrogen electrode. Intended for welding non-alloyed and manganese alloy steel in all positions except vertically down. The design of the electrode utilises the rutile characteristics and the basic characteristics with regard to strength and the hydrogen content in one and the same electrode. The very good welding characteristics of the electrode also make it very suitable for repair and maintenance work in demanding environments.

Current type: AC/DC-. **Open circuit voltage:** -

Electrode class: EN ISO 2560 A:E 42 2B 12 H 10 AWS A5.1. E7016.

Mechanical characteristics:

Tensile yield limit: R_e : 420 N/mm²

Breaking point: R_m : 510-670 N/mm²

Extension: A_5 : >22%

Impact strength:KV: -20°C ● >47J



Weld position



| Art. no. | 20595 | -0108 | -0207 | -0306 | -0405 |
|-------------------------------|-------|-------|--------|---------|---------|
| Diameter | mm | 2.5 | 3.2 | 4.0 | 5.0 |
| Length | mm | 350 | 350 | 450 | 450 |
| Welding current | A | 60-90 | 80-140 | 140-140 | 190-250 |
| Weight per capsule | kg | 2.5 | 2.5 | 5.5 | 5.5 |
| Weight per carton | kg | 12.5 | 12.5 | 16.5 | 16.5 |
| Number of capsules per carton | ea. | 5 | 5 | 3 | 3 |
| Order point | | 13* | 13* | 17* | 17* |

*) Only unopened pack.

Welding electrodes

For unalloyed steel



Weld position



Description:

Luna. RH 160 Rutile high exchange electrode with 160% metal exchange. Intended for highly productive welding on heavy structures in general structural steel. RH 160 is primarily designed for welding in vertical and horizontal fillet welds and horizontal butt joints. RH 160 is a quick welding electrode and gives a smooth weld top side with a fine transition to the parent material and has a self-releasing slag.

Current type: AC/DC- **Open circuit voltage:-** .

Electrode class: EN ISO 2560-A:E 42 0 RR 73 AWS A5.1:E7024.

Mechanical characteristics:

Tensile yield limit: R_e : 450 N/mm²

Ultimate tensile strength: R_m : 570 N/mm²

Extension: A_5 : A_5 : >26%

Impact strength:KV: KV: 0°C ● 70J

| Art. no. | 20598 | -0105 | -0204 |
|-------------------------------|-------|---------|---------|
| Diameter | mm | 3.2 | 4 |
| Length | mm | 450 | 450 |
| Welding current | A | 130-160 | 180-220 |
| Weight per capsule | kg | 5.6 | 6.3 |
| Weight per carton | kg | 16.8 | 18.9 |
| Number of capsules per carton | ea. | 3 | 3 |
| Order point | | 17* | 19* |

*) Only unopened pack.

Description:

Luna. R 48S Basic electrode. Intended for welding non-alloyed, manganese and microalloyed steel. The excellent welding characteristics of the electrode make it a true all round electrode ideal for advanced production welding, pipe welding, assembly welding and repair and maintenance welding. R 48S is manufactured with low moisture absorption, which further guarantees a secure welded joint. An electrode for the demanding professional as well as the untrained hand.

Current type: AC/DC+ **Open circuit voltage:-**

Electrode class: EN ISO 2560-A:E 46 4 B 42 H5 AWS A5.1:E 7018-1 H4R.

Mechanical characteristics:

Tensile yield limit: R_e : 470 N/mm²

Ultimate tensile strength: R_m : 570 N/mm²

Extension: A_5 : >27%

Impact strength:KV: -40°C ● 103.

| Art. no. | 20596 | -0008 | -0107 | -0206 | -0305 | -0404 | -0503 |
|-------------------------------|-------|-------|-------|--------|--------|--------|---------|
| Diameter | mm | 2.0 | 2.0 | 2.5 | 2.5 | 3.2 | 4.0 |
| Length | mm | 300 | 300 | 350 | 350 | 450 | 450 |
| Welding current | A | 50-80 | 50-80 | 80-110 | 80-110 | 95-150 | 125-210 |
| Weight per capsule | kg | 1.0 | 1.0 | - | 2.5 | 5.7 | 6.0 |
| Weight per carton | kg | - | - | - | 12.5 | 17.1 | 18.0 |
| Number of capsules per carton | ea. | - | - | - | 5.0 | 3.0 | 3.0 |
| Order point | | 5* | 1 | 5* | 13* | 17* | 18* |

*) Only unopened pack.



Weld position



Welding electrodes

For stainless steel

Description:

Luna. Multirod High alloy rutile basic electrode that welds in all welding positions, except vertical downwards. The electrode is produced as a solution for many applications. Using Multirod you can weld mixed joints and stainless steel AISI 304 - 316. The electrode welds in all welding positions except for vertical down. Excellent weld properties and self-release slag guarantees a first class finish. In addition to mixed joints and stainless material, the electrode can also be used for welding buffer layers for hard-surfacing, difficult to weld steel and general structural steel.

Supplied in robust plastic sleeves 0.5 kg/sleeve.

Current type: AC/DC+

Electrode class: -

Mechanical characteristics:

Tensile yield limit: $R_p 0.2\%$: 580 N/mm².

Ultimate tensile strength: R_m : 700 N/mm².

Extension: A_5 : >30%

Impact strength: KV: -60°C ● 45J.



Weld position



| Art. no. | 20461 | -0109 | -0208 |
|-----------------------|-------|-------|-------|
| Diameter | mm | 2.5 | 2.5 |
| Length | mm | 350 | 350 |
| Welding current | A | 40-80 | 40-80 |
| Weight/sleeve | kg | - | 1.0 |
| Order point | | 5* | 1 |

*) Only unopened pack.

Description:

Luna. RI 308L Rutile-based all current electrode for welding low carbon austenitic stainless steel with 18 % Cr and 10 % Ni, type SS 2331 or the like. Welds in all positions except vertical downwards. RI 308L has excellent weld characteristics, burns with an balanced arc and the slag is easy to remove. The electrode can be used to weld Nb or Ti stabilised steel under the condition that the operating temperature is below 400°C.

Current type: AC/DC+/-.

Electrode class: EN 1600 :E 19 9 LR 12 AWS A5.4 E 308L-17.

Mechanical characteristics:

Tensile yield limit: $R_p 0.2\%$: 440 N/mm².

Ultimate tensile strength: R_m : 600 N/mm²

Extension: A_5 : >45%

Impact strength: KV: -20°C ● 60J.



Weld position



| Art. no. - socket | 20599 | -0401 | -0203 | -0302 |
|-------------------------------------|-------|-------|-------|--------|
| Diameter | mm | 2.0 | 2.5 | 3.2 |
| Length | mm | 300 | 350 | 350 |
| Welding current | A | 35-50 | 48-80 | 80-115 |
| Weight per capsule | kg | 1 | 2.7 | 2.7 |
| Order point | | 1 | 3* | 3* |
| Art. no. ditto - carton | 20599 | - | -0500 | -0609 |
| Weight per carton | kg | - | 13.5 | 13.5 |
| Number of capsules per carton | ea. | - | 5 | 5 |
| Order point | | - | 14* | 14* |

*) Only unopened pack.

Welding electrodes

For stainless steel



Weld position



Description:

Luna. RI 310 Basic electrode for all position welding except vertical downwards. Fully austenitic weld deposit with high content of Cr and Ni intended for high service temperatures. Resistant to oxidation and scaling up to 1100°C. Avoid working temperatures between 650-850°C. Welds best with DC.

Welded with max. supply of heat 1.5KJ/mm.

Intermediate string temperature max. 100°C.

Current type: AC/DC+.

Electrode class: EN 1600 :E 25 20 R 12 AWS A5.4 E310-16.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 440 N/mm².

Breaking point: R_m : 600 N/mm²

Extension: A_5 : 30%

Impact strength: KV: +20°C ● 80J.

| Art. no. | 20784 | -0109 | -0208 | -0307 |
|-------------------------------------|-------|-------|--------|---------|
| Diameter. | mm | 2.5 | 3.2 | 4.0 |
| Length. | mm | 350 | 350 | 350 |
| Welding current. | A | 50-80 | 90-140 | 130-175 |
| Weight per capsule. | kg | 3.0 | 2.9 | 2.9 |
| Weight per carton. | kg | 15.0 | 15 | 14.5 |
| Number of capsules per carton. | ea. | 5 | 5 | 5 |
| Order point. | | 15* | 15* | 15* |

*) Only unopened pack.

Description:

Luna. RI 316L Rutile-based all current electrode for welding low carbon, stainless and acid-proof steel with 18% Cr and 12 Ni 2.8% Mo, steel of the type SS 2343 or the like. Welds in all positions except vertical downwards. RI 316L has excellent weld characteristics, burns with an balanced arc, minimal spatter and the slag is easy to remove. The electrode can be used to weld Nb or Ti stabilised steel under the condition that the operating temperature is below 400°C.

Current type: AC/DC+.

Electrode class: EN 1600 A:E 19 12 3 LR 12 AWS A5.4:E 316L-17.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 450 N/mm²

Breaking point: R_m : 580 N/mm²

Extension: A_5 : 40%

Impact strength: KV: -105°C ● 40J.

| Art. no. - socket. | 20600 | -0507 | -0200 | -0309 | -0408 |
|-------------------------------------|-------|-------|-------|--------|---------|
| Diameter. | mm | 2.0 | 2.5 | 3.2 | 4.0 |
| Length. | mm | 300 | 350 | 350 | 450 |
| Welding current. | A | 35-50 | 45-80 | 80-115 | 100-155 |
| Weight per capsule. | kg | 1 | 2.7 | 2.6 | 5.9 |
| Order point. | | 1 | 3* | 3* | 6* |
| Art. no. ditto - carton. | 20600 | - | -0606 | -0705 | -0804 |
| Weight per carton. | kg | - | 13.5 | 13.0 | 17.7 |
| Number of capsules per carton. | ea. | - | 5 | 5 | 3 |
| Order point. | | - | 14* | 13* | 18* |

*) Only unopened pack.



Weld position



Welding electrodes

For stainless steel

Description:

Luna. RI 316LP Rutile thin covered all current electrode especially developed for welding thin walled pipe (down to 1.5 mm) with, e.g. pulp and chemical industries. RI 316LP is specially designed for welding stainless full austenitic materials type 19% Cr-12% Ni-3% Mo. RI 316LP can be used in all positions, ignites and reignites even at very low current strengths and burns with a maintained soft and stabile arc. Particularly suitable for installation and repair of thin walled pipe and in many cases can replace welding using the TIG-method.

Current type: AC/DC+/-.

Electrode class: EN 1600 :E 19 12 3 L R 12 and AWS A5.4:E 316L-16.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 450 N/mm²

Breaking point: R_m : 580 N/mm²

Extension: A_5 : 39%

Impact strength: KV: -20°C ●.



Weld position



| Art. no. | 20601 | -0100 | -0209 |
|--------------------------|-------|-------|-------|
| Diameter | mm | 2.0 | 2.5 |
| Length | mm | 250 | 250 |
| Welding current | A | 30-60 | 30-70 |
| Weight per capsule | kg | 1.0 | 1.0 |

Description:

Luna. RI 309MoL Rutile basic over-alloyed all current electrode for surfacing and welding unalloyed and low alloy steel to stainless steel. Welds in all positions except vertical downwards. RI 309Mo has excellent weld characteristics, burns with a balanced arc, minimal spatter and the slag is easy to remove.

Current type: AC/DC+.

Electrode class: EN 1600 :E 23 12 2 LR 32 AWS A5.4 E 309Mo-16

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 580 N/mm²

Ultimate tensile strength: R_m : 700 N/mm²

Extension: A_5 : 30%

Impact strength: KV: A_5 : 30%



Weld position



| Art. no. - socket | 20602 | -0109 | -0208 | -0307 |
|--------------------------|-------|-------|-------|--------|
| Diameter | mm | 2.5 | 3.2 | 4.0 |
| Length | mm | 350 | 350 | 350 |
| Welding current | A | 40-80 | 60-80 | 80-150 |
| Weight per capsule | kg | 2.6 | 2.7 | 2.7 |
| Order point | | 3* | 3* | 3* |

| Art. no. - ditto cardboard | 20602 | -0406 | -0505 | -0604 |
|-------------------------------------|-------|-------|-------|-------|
| Weight per carton | kg | 13.0 | 13.5 | 13.5 |
| Number of capsules per carton | ea. | 5 | 5 | 5 |
| Order point | | 13* | 14* | 14* |

*) Only unopened pack.

Welding electrodes

For stainless steel



Weld position



Description:

Luna. RI Duplex Rutile basic electrode for welding of duplex steels in all positions except vertical downwards. Suitable for root runs and filling runs. Handles working temperatures up to 250°C. Very resistant to general corrosion as well as pitting and stress corrosion. RI Duplex electrodes weld perfectly on both AC and DC.

Current type: AC/DC+/-.

Electrode class: EN 1600-7:E 22 9 3 NL R 32 AWS A5. 4:E 2209-16.

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 650 N/mm²

Ultimate tensile strength: R_m : 800 N/mm²

Extension: A_5 : 27%

Impact strength: KV: -40°C ●

| Art. no. | 20460 | -0100 | -0209 | -0308 |
|-------------------------------------|-------|-------|--------|--------|
| Diameter | mm | 2.5 | 3.2 | 4.0 |
| Length | mm | 350 | 350 | 350 |
| Welding current | A | 60-70 | 70-100 | 80-140 |
| Weight per capsule | kg | 3.0 | 2.8 | 2.8 |
| Weight per carton | kg | 15.0 | 14.0 | 14.0 |
| Number of capsules per carton | ea. | 5 | 5 | 5 |
| Order point | | 15* | 14* | 14* |

*) Only unopened pack.

Hard facing electrodes



Weld position



Description:

Luna. RMA H30 Rutile electrode coated hard-surfacing electrode with excellent weld properties in all welding positions, however the best properties are obtained in position 1G. RMA H30 produces a fracture free weld deposit with hardness 31-38HRc. Suitable for applications with moderate wear and friction in combined categories. The weld deposit can be machined and is ideal for a top layer or buffer layer.

Supplied in robust plastic sleeves 1 kg/sleeve.

Current type: AC./DC+

Electrode class: DIN 855-83 : E1-UM-350-GP

Mechanical characteristics:

Hardness: layer 1: 31HRc

layer 2: 35HRc

layer 3: 38HRc

| Art. no. | 20621 | -0106 | -0205 |
|-----------------------|-------|--------|---------|
| Diameter | mm | 3.2 | 4.0 |
| Length | mm | 350 | 350 |
| Welding current | A | 90-130 | 140-180 |
| Weight/sleeve | kg | 1.0 | 1.0 |

Welding electrodes

Hard facing electrodes

Description:

Luna. RMA H60 Basic coated hard-surfacing electrode that produces a martensite/austenitic weld deposit with hardness from 45-58 HRC. RMA H60 welds in all positions, except vertical down, with an even arc, good reignition, little splatter and leaves an even and easily chipped weld surface. RMA H60 is especially suitable for welding objects that are exposed to wear metal against metal combined with heavy impact. .

Examples of objects: Roller crushers, screw conveyors, excavator buckets, transport blades.

Supplied in robust plastic sleeves 1 kg/sleeve.

Current type: AC/DC-

Electrode class: DIN 855-83 : E6-UM-60-GPS AWS A5:13 : E Fe 6

Mechanical characteristics:

Hardness: layer 1: 45-55 HRC

layer 2: 50-58 HRC



Weld position



| Art. no. | 20622 | -0097 | -0105 | -0113 | -0204 |
|-----------------------|---------|-------|-------|--------|--------|
| Diameter | mm 2.5 | 2.5 | 2.5 | 3.2 | 3.2 |
| Length | mm 350 | 350 | 350 | 350 | 350 |
| Welding current | A 60-70 | 60-70 | 60-70 | 70-120 | 70-120 |
| Weight/sleeve | kg 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| Order point | 5* | 1 | 1 | 5* | 1 |

*) Only unopened pack.

Description:

Luna. RMA H100 Rutile coated hard-surfacing electrode with a metal exchange of 170% which virtually produces an eutectic mixture of chrome carbide and austenite with a hardness of 55 - 60HRC. RMA H100 has excellent weld properties with good reignition and minimal splatter. The design of the electrode shell means the electrode can be dragged against the object. RMA H100 is primarily intended for applications in environments where the combination of wear and hard impact and occur in working temperatures up to 600° C. Example: Conveyor screws, blades, chains, plough blades, bucket teeth and scrap crushers.

Supplied in robust plastic sleeves 1 kg/sleeve.

Current type: AC./DC+

Electrode class: DIN 8555 E10-UM-60 GRZ

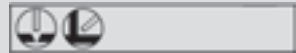
Mechanical characteristics:

Hardness: layer 1: 55 HRC

layer 2: 60 HRC



Weld position



| Art. no. | 20623 | -0104 | -0203 |
|-----------------------|-----------|---------|---------|
| Diameter | mm 3.2 | 3.2 | 4.0 |
| Length | mm 450 | 450 | 450 |
| Welding current | A 100-140 | 100-140 | 130-190 |
| Weight/sleeve | kg 1.0 | 1.0 | 1.0 |

Welding electrodes

For jointing and building up



Weld position



Description:

Luna. RMA MIX 18 Rutile stainless electrode with 6% Mn alloyed intended for welding in 13% Mn steel, armoured steel and general steels that are difficult to weld. RMA Mix 18 can also be used in conjunction with welding temperable steel to stainless steel without preheating. Weld deposit work hardens from 200 HV to 450HV.

Examples of applications: buffer layer under the top layer of RMA H100 on stone crusher plates and contract machines, rails, rail crossings, and welding of rail wheels and overhead crane wheels of Mn steel. Supplied in robust plastic sleeves 1kg/sleeve.

Current type: DC+/AC)

Electrode class: EN1600 :E188 Mn R53

Mechanical characteristics:

Tensile yield limit: $R_{p0.2}$: 425 N/mm²

Breaking point: R_m : 650 N/mm²

Extension: A_5 : 35%.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 20624 | -0103 | -0202 |
| Diameter | mm | 2.5 | 3.2 |
| Length | mm | 350 | 350 |
| Welding current | A | 80-100 | 110-150 |
| Weight/sleeve | kg | 1.0 | 1.0 |



Weld position



Description:

Luna. RMA Mix 29 Rutile-basic high alloy welding electrode for all position welding. RMA Mix 29 gives a weld deposit with 40% ferrite and consequently is very resistant to cracking and is tolerant to high dilution from high carbon content and difficult to weld steel. Welds in all positions except vertical downwards. RMA Mix 29 offers excellent welding characteristics, despite demanding virtually unweldable materials.

Examples of application areas: Welding of high carbon tool steel, spring steel, 13% Mn steel, high temperature steel, buffer stock.

Supplied in robust plastic sleeves 1kg/sleeve.

Current type: AC./DC+

Electrode class: EN 1600 :E 29 9 R 12 AWS A5.4 : E 312 -17

Mechanical characteristics:

Tensile yield limit: $R_{p0.2}$: 700 N/mm²

Breaking point: R_m : 800 N/mm²

Extension: A_5 : 20%.

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20625 | -0094 | -0102 | -0110 | -0201 |
| Diameter | mm | 2.5 | 2.5 | 3.2 | 3.2 |
| Length | mm | 350 | 350 | 350 | 350 |
| Welding current | A | 50-70 | 50-70 | 70-100 | 70-100 |
| Weight/sleeve | kg | 1.0 | 1.0 | 1.0 | 1.0 |
| Order point | | 5* | 1 | 5* | 1 |

*) Only unopened pack.

For cast iron



Weld position



Description:

Luna. RMA CastNi Nickel electrode developed for welding cast iron. Can be used for repair work and welding joints on grey cast iron, spheroidal graphite iron and malleable cast iron as well as for welding joints between these, steel, monel and stainless steel. Preheating between 150 - 250°C is recommended when welding materials thicker than 15 mm. Weld short runs "" followed by slow cooling between each set of welds. Use small dimensions, try to weld with as little energy flow as possible.

Supplied in robust plastic sleeves 1kg/sleeve.

Current type: DC-/AC at low heat input

Electrode class: EN ISO 1071 : E CNI - CI 1 AWS A5.15 A:E Ni-CI

Mechanical characteristics:

Tensile yield limit: $R_{p0.2}$: 270 N/mm²

Breaking point: R_m : 445 N/mm²

Extension: A_5 : 8%.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 20626 | -0101 | -0200 |
| Diameter | mm | 2.5 | 3.2 |
| Length | mm | 300 | 350 |
| Welding current | A | 50-100 | 70-130 |
| Weight/sleeve | kg | 1.0 | 1.0 |

Welding electrodes

For cast iron

Description:

Luna. RMA CastNiFe High-grade electrode for welding cast iron, modular cast iron, malleable cast irons and spheroidal graphite iron. RMA CastNiFe is more tolerant to thermal cracking caused by impurities in the parent material compared with the pure parent metal. The welding technique is the same as for pure nickel electrodes, see RM CastNi. Cast NiFe alloy is recommended for mixed joints, steel - cast iron.

Supplied in robust plastic sleeves 1kg/sleeve.

Current type: DC-/AC)

Electrode class: EN ISO 1071 :E CNiFe-CI AWS A5.15 :E NiFi-CI

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 300 N/mm²

Breaking point: R_m : 460 N/mm²

Extension: A_5 :12%.

| Art. no. | 20627 | -0092 | -0100 | -0118 | -0209 |
|-----------------------|-------|--------|--------|--------|--------|
| Diameter | mm | 2.5 | 2.5 | 3.2 | 3.2 |
| Length | mm | 300 | 300 | 350 | 350 |
| Welding current | A | 70-100 | 70-100 | 90-150 | 90-150 |
| Weight/sleeve | kg | 1.0 | 1.0 | 1.0 | 1.0 |
| Order point | | 5* | 1 | 5* | 1 |

*) Only unopened pack.



Weld position



For aluminium

Description:

Luna. RMA Alu Coated electrode for welding cast AlSi alloys. Can also be used for welding a surface layer. Requires a high application speed compared with traditional electrode welding. RMA Alu is easy-to-weld and generates no pores.

Supplied in robust plastic sleeves 0.5 kg/sleeve.

Current type: DC+

Electrode class: ISO 1873:Al 4047A

| Art. no. | 20629 | -0108 | -0207 |
|-----------------------|-------|-------|-------|
| Diameter | mm | 2.5 | 3.2 |
| Length | mm | 350 | 350 |
| Welding current | A | 40-70 | 60-90 |
| Weight/sleeve | kg | 0.5 | 0.5 |



Weld position



Cutter and chiselling electrodes

Description:

Luna. RMA Cut Coated electrode for arc gouging, cutting and hole-making in all metal materials such as unalloyed and low alloy wrought steel, stainless steel, cast iron as well as copper and aluminium alloys. Suitable for use when gas welding equipment or compressed air for carbon arc gouging are available. The method develops some fumes and good ventilation/extraction is necessary when working indoors.

Supplied in robust plastic sleeves 1 kg/sleeve.

Current type: AC (ACOCV.70V) /DC+/-) / DC+/-

Electrode class: -

| Art. no. | 20628 | -0109 | -0208 |
|-----------------------|-------|---------|---------|
| Diameter | mm | 3.2 | 4.0 |
| Length | mm | 450 | 450 |
| Welding current | A | 220-300 | 270-360 |
| Weight/sleeve | kg | 1.0 | 1.0 |



Welding wires (MIG-MAG)

Adapter for welding wire reels



Adapter S



Adapter D

Luna. Adapter for wire reels.

Adapter S for mounting in the centre of the reel. Easy to fit and dismantle when changing the wire reel.

Adapter D for fitting in the centre of wire reels consists of two halves which are fitted from each side. Easy to fit and dismantle when changing the wire reel.

| | | | |
|----------------|-----------|-----------|-----------|
| Art. no. | 20898 | -0102 | -0201 |
| Adaptor | S | S | D |
| Orig.-nr | 208980102 | 208980102 | 208980201 |
| Pack. | qty | 1 | 2* |

*) Only unopened pack.

For unalloyed and low alloy steel

Description:

RM 70H Copper-plated, silicon manganese alloy wire electrode for MIG welding of non-alloyed and fine-grain treated steel types. RM 70H is manufactured with the greatest accuracy in modern machines that guarantee continuous high quality, which is a demand in order to optimise the weld process for maximal profitability.

Available as a wire reel with hub and wire reel for inserts and on a drum of 250 kg.

Current type: DC+

Electrode class: EN 440 G 42 2 C GSi1 and AWS A5.18: ER 70 S-6.

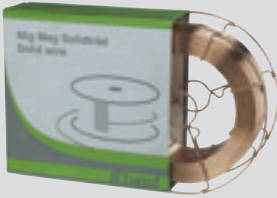
Mechanical characteristics:

Tensile yield limit: R_p : min 420 N/mm²

Ultimate tensile strength: R_m : min 540 N/mm²

Extension: A_5 : min 22%

Impact strength: KV: -30°C ● min 47J



| | | | | | |
|-------------------|-------|--------|--------|---------|--------|
| Art. no. | 20748 | -1201 | -1219 | -1227 | -0104 |
| Diameter. | mm | 0.8 | 1.0 | 1.2 | 0.8 |
| Reel diam. | mm | 300 | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 | RS 300 |
| Weight. | kg | 15 | 15 | 15 | 840 |
| Order point. | | 15* | 15* | 15* | 840* |
| Art. no. | 20748 | -0203 | -0302 | (-0500) | -0609 |
| Diameter. | mm | 1.0 | 1.2 | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 | RS 300 |
| Weight. | kg | 840 | 840 | 250 | 250 |
| Order point. | | 840* | 840* | 250* | 250* |

*) Only unopened pack.

Description:

Luna. RM 70 Copper-plated, silicon manganese alloy wire electrode for MIG welding of non-alloyed and fine-grain treated steel types. RM 70 is manufactured with the greatest accuracy in modern machines that guarantee continuous high quality, which is a demand in order to optimise the weld process for maximal profitability.

Current type: DC+

Electrode class: EN 440 G42 2 (6) MG 3511 AWS A5.18:ER 70 S-6.

Mechanical characteristics:

Tensile yield limit: R_p : 420 N/mm²

Ultimate tensile strength: R_m : 520 N/mm²

Extension: A_5 : 26%

Impact strength: KV: -20°C ● 85J



| | | | | | | | |
|-------------------|-------|-------|-------|-------|--------|--------|--------|
| Art. no. | 20603 | -0108 | -0207 | -0306 | -0405 | -0504 | -0603 |
| Diameter. | mm | 0.6 | 0.6 | 0.8 | 0.8 | 1.0 | 1.2 |
| Reel diam. | mm | 100 | 200 | 200 | 300 | 300 | 300 |
| Reel type | | RD100 | RD200 | RD200 | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 0.8 | 5.0 | 5.0 | 15.0 | 15.0 | 15.0 |
| Order point. | | 1 | 1 | 5* | 15* | 15* | 15* |

*) Only unopened pack.

Welding wires (MIG-MAG)

For unalloyed and low alloy steel

Description:

Luna. RM 80 Copper coated wire electrode for MIG welding of corrosion resistant steel type CORTEN, UHB-type CCP but can also be used for high-tensile steel. RM80 gives a weld deposit with 0.5% Ni 0.5% Cu.

Current type: DC+

Electrode class: EN ISO 16839 GMn 3Ni1 Cu AWS A5.28 ER 80 S-G

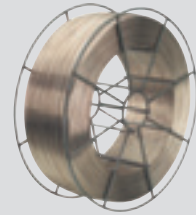
Mechanical characteristics:

Tensile yield limit: R_p : 450 N/mm²

Ultimate tensile strength: R_m : 550 N/mm²

Extension: A_5 : 22%

Impact strength: KV: -20°C ● 47J.



| Art. no. | 20605 | -0106 | -0205 | -0304 |
|-------------------|-------|--------|--------|--------|
| Diameter | mm | 0.8 | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 15.0 | 15.0 | 15.0 |
| Order point | | 15* | 15* | 15* |

*) Only unopened pack.

For stainless and acidproof steel

Description:

Luna. RMI 308LSi Low carbon stainless steel wire electrode for MIG welding austenitic stainless steel with 19CR 10Ni. RMI 308LSi can be used for steel corresponding to SS2352, 2371, 2333 and 2330. The increased silicone content results in excellent welding characteristics such as arc stability and smooth material flow and then first and foremost in the short arc interval. Can also be used to weld normal carbon Nb or Ti stabilised steel under the condition that the operating temperature is below 400°C.

Current type: DC+

Electrode class: EN ISO 14343 G 19 9 L Si SFA/AWS A5.9. ER 308 LSi.

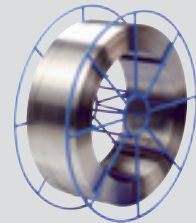
Mechanical characteristics:

Tensile yield limit: R_p 0.2%: 400 N/mm²

Ultimate tensile strength: R_m : 590 N/mm²

Extension: A_5 : 40%

Impact strength: KV: 20°C ● 120J-196°C ● 50J



| Art. no. | 20612 | -0107 | -0206 | -0305 |
|-------------------|-------|--------|--------|--------|
| Diameter | mm | 0.8 | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 15.0 | 15.0 | 15.0 |
| Order point | | 15* | 15* | 15* |

*) Only unopened pack.

Description:

Luna. RTI 309LSi Low carbon stainless wire electrode for MIG welding of ordinary stainless steel to non-alloyed low alloyed steel. RMI 309LSi is suitable for use in root runs on compound plates at the plate's transition between non-alloyed and stainless steel layers. The increased silicone content results in excellent welding characteristics such as arc stability and smooth material flow and then first and foremost in the short arc interval.

Current type: DC+

Electrode class: EN ISO 14343 G 23 12 LSi FA/AWS A5.9. ER 309 LSi.

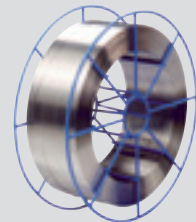
Mechanical characteristics:

Tensile yield limit: R_p 0.2%: 450 N/mm²

Ultimate tensile strength: R_m : 620 N/mm²

Extension: A_5 : 35%

Impact strength: KV: 20°C ● 130J-196°C ● 60J

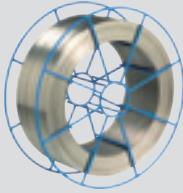


| Art. no. | 20616 | -0103 | -0202 | -0301 |
|-------------------|-------|--------|--------|--------|
| Diameter | mm | 0.8 | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 15.0 | 15.0 | 15.0 |
| Order point | | 15* | 15* | 15* |

*) Only unopened pack.

Welding wires (MIG-MAG)

For stainless and acidproof steel



Description:

Luna. RMI 310 Wire electrode for MIG welding of high temperature Cr and Cr Ni steel (25% Cr-20%Ni) with scaling temperature up to 1100°C. RMI 310 can also be used when welding, difficult to weld steel, e.g. armoured steel and in connection with mixed joints with stainless steel to unalloyed steel.

Current type: DC+

Electrode class: ISO 14343 G 23 12 LSi SFA/AWS A5.9 ER 309 LSi

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 355 N/mm²

Ultimate tensile strength: R_m : 610 N/mm²

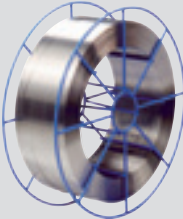
Extension: A_5 : 3

5%

Impact strength: KV: 20°C ● 160J-196°C ● 60J

| Art. no. | 20785 | -0108 | -0207 | -0306 |
|-------------------|-------|--------|--------|--------|
| Diameter | mm | 0.8 | 1.0 | 1.2 |
| Reel diam | mm | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 15.0 | 15.0 | 15.0 |
| Order point | | 15* | 15* | 15* |

*) Only unopened pack.



Description:

Luna. RMI 316LSi Low carbon stainless steel wire electrode for MIG welding of stainless steel containing 19Cr 12Ni and 2.7Mo. RMI 316LSi can be used for steel corresponding to SS 2348, 2375, 2343 and 2353. The increased silicone content results in excellent welding characteristics such as arc stability and smooth material flow and then first and foremost in the short arc interval. Can also be used for normal carbon Nb or Ti stabilised steel under the condition that the operating temperature is below 400°C.

Current type: DC+

Electrode class: EN ISO 14343 G 19 12 3 LSi AWS A5.9 ER 316 LSi

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 400 N/mm²

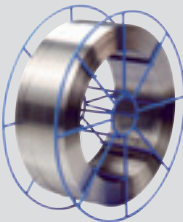
Ultimate tensile strength: R_m : 600 N/mm²

Extension: A_5 : 40%

Impact strength: KV: 20°C ● 110J-196°C ● 50J

| Art. no. | 20614 | -0105 | -0196 | -0204 | -0303 | -0402 |
|-------------------|-------|-------|--------|--------|--------|--------|
| Diameter | mm | 0.8 | 0.8 | 0.8 | 1.0 | 1.2 |
| Reel diam | mm | 100 | 200 | 300 | 300 | 300 |
| Reel type | | RD100 | RS 200 | RD 300 | RS 300 | RS 300 |
| Weight/reel | kg | 0.9 | 5.0 | 15.0 | 15.0 | 15.0 |
| Order point | | 1 | 5* | 15* | 15* | 15* |

*) Only unopened pack.



Description:

Luna. RMI Duplex Wire electrode for MIG welding in duplex steel with own chemical composition and high mechanical values compared to standard austenitic stainless steel. RMI Duplex produces welds with great resistance to general corrosion as well as spot and stress corrosion.

Current type: DC+

Electrode class: ISO 14343 G 22 9 3 NL AWS A5.9 ER 2209

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 585 N/mm²

Ultimate tensile strength: R_m : 800 N/mm²

Extension: A_5 : 28%

Impact strength: KV: 20°C ● 110J-46°C ° 40J

| Art. no. | 20462 | -0108 | -0207 | -0306 |
|-------------------|-------|--------|--------|--------|
| Diameter | mm | 0.8 | 1.0 | 1.2 |
| Reel diam | mm | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 15.0 | 15.0 | 15.0 |
| Order point | | 15* | 15* | 15* |

*) Only unopened pack.

Welding wires (MIG-MAG)

For aluminium

Description:

Luna. RM Al 99.5 Wire electrode of pure aluminium for MIG welding of non-alloyed aluminium qualities corresponding to SS 4005 4007 4010. The weld deposit has good ductility, corrosion properties and conductivity. Melting range: 630-640°C.

NOTE! Welding of aluminium requires joint surfaces to be cleaned carefully.

Current type: DC+

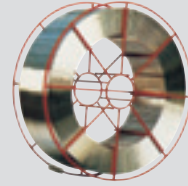
Electrode class: AWS A5.10 ER1100

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 30 N/mm²
 Ultimate tensile strength: R_m : 100 N/mm²
 Melting range: 630 - 640°C
 Extension: A_5 : 37%
 Impact strength:-

| Art. no. | 20606 | -0105 | -0204 | -0303 |
|-------------------|-------|--------|--------|--------|
| Diameter | mm | 0.8 | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 7.0 | 7.0 | 7.0 |
| Order point | | 7* | 7* | 7* |

*) Only unopened pack.



Description:

Luna. RM AlSi5 Silicon alloyed wire electrode made of aluminium for MIG welding of Al-Si and Al-Mg-Si alloys with a silicon content up to 7%. The weld deposit has medium strength with good resistance to thermal cracking. Melting range: 570 - 630°C. Should not be used when the end product is anodised.

NOTE! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: DC+

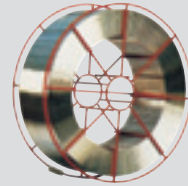
Electrode class: AWS A5.10 ER 4043, EN ISO 18273 : S Al 4043A (AlSi5)

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 55 N/mm²
 Ultimate tensile strength: R_m : 140 N/mm²
 Extension: A_5 : 12%
 Impact strength:-

| Art. no. | 20610 | -0109 | -0208 | -0307 |
|-------------------|-------|--------|--------|--------|
| Diameter | mm | 0.8 | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 7.0 | 7.0 | 7.0 |
| Order point | | 7* | 7* | 7* |

*) Only unopened pack.



Description:

Luna. RM AlMg4.5Mn Magnesium alloy wire electrode made of aluminium for MIG welding of high strength aluminium alloys and low temperature applications. RT AlMg4.5Mn gives a greater ultimate tensile strength than AlMg5. Melting range: 568 - 638°C.

NOTE! Welding of aluminium requires joint surfaces to be cleaned carefully.

Current type: DC+

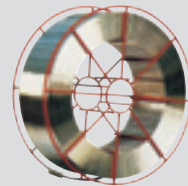
Electrode class: ISO 18273:S Al 5183 CA1Mg 4.5 Mn 0.71AWS A5.10:-ER 5183

Mechanical characteristics:

Tensile yield limit: $R_p0.2\%$: 150 N/mm²
 Ultimate tensile strength: R_m : 290 N/mm²
Melting range 568 - 638°C
 Extension: A_5 : 25%
 Impact strength: KV:20°C ● 30J

| Art. no. | 20847 | -0104 | -0203 | -0302 |
|-------------------|-------|--------|--------|--------|
| Diameter | mm | 0.8 | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 | 300 |
| Reel type | | RS 300 | RS 300 | RS 300 |
| Weight/reel | kg | 7.0 | 7.0 | 7.0 |
| Order point | | 7* | 7* | 7* |

*) Only unopened pack.



Welding wires (MIG-MAG)

For aluminium



Description:

Luna. RM AIMg5 Magnesium alloy wire electrode made of aluminium for MIG welding of salt water resistant aluminium alloys containing up to 5% Mg. RM AIMg5 is the most common occurring wire electrode for welding aluminium. Melting range: 560 - 630°C.

NOTE! Welding of aluminium requires joint surfaces to be cleaned carefully.

Current type: DC+

Electrode class: AWS A5.10- ER 5356. 5356, ISO 18273 : S AI 5356 (AIMg5)

Mechanical characteristics:

Tensile yield limit: $R_p 0.2\%$: 120 N/mm²

Ultimate tensile strength: R_m : 255 N/mm²

Melting range 560 - 630°C

Extension: A_5 : 24%

Impact strength:-

| Art. no. | 20608 | -0103 | -0202 | -0301 | -0392 | -0400 | -0509 |
|-------------------|-------|-------|--------|--------|--------|--------|--------|
| Diameter | mm | 1.0 | 0.8 | 1.0 | 1.2 | 1.2 | 1.6 |
| Reel diam. | mm | 100 | 300 | 300 | 200 | 300 | 300 |
| Reel type | | RD100 | RS 300 | RS 300 | RD 200 | RS 300 | RS 300 |
| Weight/reel | kg | 0.5 | 7.0 | 7.0 | 2.0 | 7.0 | 6.5 |
| Order point | | 1 | 7* | 7* | 2* | 7* | 7* |

*) Only unopened pack.

Welding wires (pipe wire)

For unalloyed and low alloy steel



Description:

Luna. RC 123 Powder filled hollow core wire with own gas shield developed for welding thin materials with 1.0 - 5 mm material thickness as well as galvanised materials without shielding gas. RC 123 welds in all positions. Can be welded with amperage as low as 25 Amp, which reduces the risk of over penetration. Suitable for assembly and maintenance work, within industry and hobby work, automotive sector as well as DIY.

Current type: Welded with reverse polarity DC-

Electrode class: AWS 5.20 E 71T-GS

Mechanical characteristics:

Ultimate tensile strength: R_m : 520 N/mm²



Weld position

| Art. no. | 20619 | -0100 | -0209 |
|-------------------|-------|-------|-------|
| Diameter | mm | 0.9 | 0.9 |
| Reel diam. | mm | 100 | 200 |
| Reel type | mm | RD100 | RD200 |
| Weight/reel | kg | 0.9 | 4.5 |

Description:

Luna. RC K-71T Rutile hollow wire electrode for welding in all weld positions under CO₂ gas shield. RC K-71T is intended for welding heavy-duty structures where efficiency and safety are a requirement. The hollow wire welds with an even arc and leaves an attractive weld with a minimum of post-processing. Welded with stickout 15-25 mm.

Current type: DC+

Electrode class: EN 758 : T 42 2 PC 1 H 5 AWS A5.20 : E71-1.

Mechanical characteristics:

Tensile yield limit: R_p : 520 N/mm²

Ultimate tensile strength: R_m : 580 N/mm²

Extension: A_5 : 29%

Impact strength: KV: -20°C ● 50J



Weld position



| Art. no. | 20405 | -0108 |
|-------------------|-------|-------|
| Diameter | mm | 1.2 |
| Reel diam. | mm | 270 |
| Reel type | | RD300 |
| Weight/reel | kg | 15.0 |
| Order point | | 15* |

*) Only unopened pack.

Welding wires (pipe wire)

For unalloyed and low alloy steel

Description:

Luna. RC K-71TLF Rutile hollow wire electrode for welding in all positions with mixed gas as the shielding gas. RC K-71TLF is bright-drawn and is intended for welding heavy-duty structures where efficiency and safety are a requirement. The hollow wire welds with a smooth arc giving very low fume development. (LF = Low fume) and leaves an attractive weld with a minimum of post-processing.

Welds with a stick-out of 15-25 mm. RC K-71TLF also available for CO₂ shield gas.

Current type: DC+

Electrode class: EN 758 : T 46 2 PC 1 H 5 : T 46 2 PM H 5 AWS A5.20 : E71T-1 C/-1M H8

Mechanical characteristics:

Tensile yield limit: R_p: 520 N/mm²

Ultimate tensile strength: R_m: 610 N/mm²

Extension: A₅: 27%

Impact strength: KV: -20°C ● 94J



Weld position



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20771 | -0104 |
| Diameter | mm | 1.2 |
| Reel diam. | mm | 270 |
| Reel type | | RD300 |
| Weight/reel | kg | 15.0 |
| Order point | | 15* |

*) Only unopened pack.

Description:

Luna. RC70C Metal powder filled hollow core wire for high productivity welding with mixed shielding gas. RC 70C welds in all positions but is primarily intended for welding PA, PB, and PC positions. Good mechanical characteristics in combination with low hydrogen values make RC70C ideal for demanding tasks. Minimal spatter, tolerance against oxide scale and excellent feed characteristics result in large safety and efficiency.

Current type: DC+

Electrode class: EN 758 : T 46 3 M M 2 H5 AWS A5.18:M E70C-6M H4.

Mechanical characteristics:

Tensile yield limit: R_p: 495 N/mm²

Ultimate tensile strength: R_m: 570 N/mm²

Extension: A₅: 26%

Impact strength: KV: -30°C ● 60J



Weld position



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20662 | -0106 |
| Diameter | mm | 1.2 |
| Reel diam. | mm | 300 |
| Reel type | | RK 300 |
| Weight/reel | kg | 15.0 |
| Order point | | 15* |

*) Only unopened pack.

Description:

Luna. RC KX-706M Iron powder filled hollow core wire for high productivity welding with mixed shielding gas. K-706M has excellent welding characteristics in the short arc range down to 55-60 amp and then welding the root run vertical up. The wire can then be welded in vertical and horizontal fillet joints fully up to 370 Amp. K-706M leaves a fine weld finish with soft transitions to the parent material and minimal spatter and spatter and silicone islands. RC KX-706M is bright drawn and precision wound, which guarantees the quality of wire feed without disturbances in connection with long hose bundles.

Current type: DC+

Electrode class: EN 758 : T 46 2 MMG AWS -A5.18: E70OL-6M

Mechanical characteristics:

Tensile yield limit: R_p: 533 N/mm²

Ultimate tensile strength: R_m: 607 N/mm²

Extension: A₅: 29%

Impact strength: KV: -29°C ● 52J



Weld position



| | | |
|-------------------------|--------------|--------------|
| Art. no. | 20662 | -0205 |
| Diameter | mm | 1.2 |
| Reel diam. | mm | 270 |
| Reel type | | RK 300 |
| Weight per carton | kg | 15.0 |
| Order point | | 15* |

*) Only unopened pack.

Welding wires (pipe wire)

For unalloyed and low alloy steel



Weld position



Description:

Luna. RC 71 T Rutile hollow wire electrode for welding in all positions with mixed shielding gas. Very good welding characteristics with maintained productivity. Low fume development and minimal spatter guarantee a good environment and efficiency. Good mechanical characteristics and hydrogen content mean that the hollow wire electrode is ideal where stringent demands are made on the filler metal.

Current type: DC+

Electrode class: EN 758 :T 46 3 P M1 H5 AWS A5.20 A5M :E 71T-1 JH4

Mechanical characteristics:

Tensile yield limit: R_p : 570 N/mm²
 Ultimate tensile strength: R_m : 620 N/mm²
 Extension: A_5 : 25%
 Impact strength: KV: -40°C ● 40J

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20618 | -0101 |
| Diameter | mm | 1.2 |
| Reel diam. | mm | 300 |
| Reel type | | RK 300 |
| Weight/reel | kg | 15.0 |
| Order point | | 15* |

*) Only unopened pack.

For stainless and acidproof steel

Description:

Luna. RCI 316L Low carbon content rutile hollow electrode for gas metal-arc welding of stainless steel with composition approx. 18Cr, 12Ni, 3Mo. RCI 316L can also be used for welding Nb and Ti stabilised steel provided there is an operating temperature lower than 400° C. RCI 316L welds with a calm and stable arc, the slag is easy to remove and generates minimal splatter, which guarantees a good finishing and maximal efficiency.

Current type: DC+

Electrode class: ISO 17663 : T19 1 2 3 LR C/-4 AWS 175.22 :E 316LTO - 1/-4

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 410 N/mm²
 Ultimate tensile strength: R_m : 560 N/mm²
 Extension: A_5 : 39%
 Impact strength: KV: 20°C ● 20°C ● 44J

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20620 | -0107 |
| Diameter | mm | 1.2 |
| Reel diam. | mm | 300 |
| Reel type | | RD300 |
| Weight/reel | kg | 12.5 |
| Order point | | 15* |

*) Only unopened pack.



Weld position



Description:

Luna. RCI 316LT Low carbon content rutile hollow electrode for gas metal-arc welding of stainless steel with composition approx. 18Cr, 12Ni, 3Mo. RCI K-316LT can also be used for welding Nb and Ti stabilised steel provided there is an operating temperature lower than 400° C. RCI 316LT welds with a calm and stable arc in all positions, the slag is easy to remove and generates minimal splatter, which guarantees a good finishing and maximal efficiency.

Current type: DC+

Electrode class ISO 17663 : T 19 12 3 L P C//M 2 AWS A5.22-95 :E 316LT-1-4

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 440 N/mm²
 Ultimate tensile strength: R_m : 590 N/mm²
 Extension: A_5 : 35%
 Impact strength: KV: 20°C ● 45J

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20816 | -0101 |
| Diameter | mm | 1.2 |
| Reel diam. | mm | 270 |
| Reel type | | RD300 |
| Weight/reel | kg | 12,5 |
| Order point | | 15* |

*) Only unopened pack.



Weld position



Welding wires (pipe wire)

For stainless and acidproof steel

Description:

Luna. RMA H30 MIG Solid wire for hard-surfacing which gives a weld deposit that can be machined. RMA H30 MIG may also be suitable for the first run when building up multi-run welds. Suitable for mechanized hard-surfacing on axles, drums and rollers.

Current type: DC+

Electrode class: DIN 8555 MSG 2-350GZ Werkstoff No 18405

Mechanical characteristics:

Martensite weld deposit

Hardness: on layer 2 approx HRC 38

| Art. no. | 20458 | -0104 | -0203 |
|-------------------|-------|--------|--------|
| Diameter | mm | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 |
| Reel type | mm | RS 300 | RS 300 |
| Weight/reel | kg | 15.0 | 15.0 |
| Pack. | kg | 15* | 15* |

*) Only unopened pack.



Description:

Luna. RMA H60 MIG Solid wire for hard-surfacing that gives a weld deposit with high resistance to corrosion, wear and deformation due to the impact and wear. Suitable objects include: sand pumps, wear parts on agricultural and contracting plant and transport screws and rollers. RMA H60 MIG has excellent welding characteristics.

Current type: DC+

Electrode class: DIN 8555 MSG 6-60GZ Werkstoff No 14718

Mechanical characteristics:

Ferric and martensite weld deposit

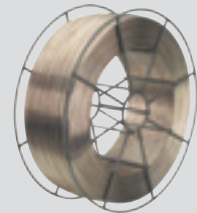
Cannot be machined

Hardness: on layer 2 approx HRC 60

Heat resistant up to 450°C

| Art. no. | 20459 | -0103 | -0202 |
|-------------------|-------|--------|--------|
| Diameter | mm | 1.0 | 1.2 |
| Reel diam. | mm | 300 | 300 |
| Reel type | mm | RS 300 | RS 300 |
| Weight/reel | kg | 15.0 | 15 |
| Pack. | kg | 15* | 15* |

*) Only unopened pack.



Welding wires (TIG)

For unalloyed and low alloy steel



Description:

Luna. RT 70 Silicon manganese alloyed welding wire for TIG-welding of structural steel with high demands on the welded joint.

Current type: DC-

Electrode class: EN 1668 W462- W 3 Si1 Werkstoff Nr 1.5125 AWS A5.18: ER: 70 S -6

Mechanical characteristics:

Tensile yield limit: R_p 420 N/mm²

Ultimate tensile strength: R_m : 500 N/mm²

Extension: A_5 : 22%

Impact strength: KV: -50°C ● 47J

| Art. no. | 20604 | -0107 | -0206 | -0305 | -0404 |
|-------------------|-------|-------|-------|-------|-------|
| Diameter. | mm | 1.6 | 2.0 | 2.4 | 3.0 |
| Length. | mm | 1000 | 1000 | 1000 | 1000 |
| Weight/pack. | kg | 5.0 | 5.0 | 5.0 | 5.0 |
| Order point. | | 5* | 5* | 5* | 5* |

*) Only unopened pack.

For stainless and acidproof steel



Description:

Luna. RTI 308LSi Low carbon stainless steel wire electrode for TIG welding austenitic stainless steel with 19Cr 10Ni. RTI 308LSi^o can be used on steel corresponding to SS2352, 2371, 2333 and 2330, RTI 308LSi can also be used for welding normal carbon Nb or Ti stabilised steel under the condition that the working temperature is below 400 C.

Current type: DC-

Electrode class: EN 12072 W 19 9 LSi AWS A5.9 : ER 308LSi.

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 400 N/mm²

Ultimate tensile strength: R_m : 590 N/mm²

Extension: A_5 : 40%

Impact strength: KV: 20°C 120J ● -196°C ● 50J

| Art. no. | 20613 | -0106 | -0205 | -0304 |
|-------------------|-------|-------|-------|-------|
| Diameter. | mm | 1.2 | 1.6 | 2.0 |
| Length. | mm | 1000 | 1000 | 1000 |
| Weight/pack. | kg | 5.0 | 5.0 | 5.0 |
| Order point. | | 5* | 5* | 5* |

*) Only unopened pack.



Description:

Luna. RTI 309LSi Low carbon stainless wire electrode for TIG welding of ordinary stainless steel to unalloyed and low alloyed steel. RTI 309 LSi is suitable for use as root runs on compound plates at the plate's transition between the unalloyed and stainless steel layers. The increased silicon content contributes to a fluid molten pool.

Current type: DC-

Electrode class: EN 12072 W 23 12 LSi AWS A5.9 : ER 309LSi.

Mechanical characteristics:

Tensile yield limit: R_p 450 N/mm²

Ultimate tensile strength: R_m : 640 N/mm²

Extension: A_5 : 35%

Impact strength: KV: 20°C ● 130J- 120°C ● 65J

| Art. no. | 20617 | -0102 | -0201 | -0300 |
|-------------------|-------|-------|-------|-------|
| Diameter. | mm | 1.2 | 1.6 | 2.0 |
| Length. | mm | 1000 | 1000 | 1000 |
| Weight/pack. | kg | 5.0 | 5.0 | 5.0 |
| Order point. | | 5* | 5* | 5* |

*) Only unopened pack.

Welding wires (TIG)

For stainless and acidproof steel

Description:

Luna. RTI 316LSi Low carbon stainless steel wire electrode for TIG welding stainless steel containing 19Cr 12Ni and 2.7Mo. RTI 316LSi can be used on steel corresponding to SS 2348, 2375, 2343 and 2353. RTI 316LSi can also be used for welding normal carbon Nb or Ti stabilised steel under the condition the working temperature is below 400° C.

Current type: DC-

Electrode class: EN 12072 W 19 12 3 LSi AWS A5.9 ER 316 LSi

Mechanical characteristics:

Tensile yield limit: R_p 400 N/mm²

Ultimate tensile strength: R_m : 600 N/mm²

Extension: A_5 : 40%

Impact strength:KV: 20°C ● 120J -196°C ● 50J

| Art. no. | 20615 | -0104 | -0203 | -0302 | -0401 | -0500 |
|-------------------|-------|-------|-------|-------|-------|-------|
| Diameter | mm | 1.2 | 1.6 | 2.0 | 2.4 | 3.2 |
| Length | mm | 1000 | 1000 | 1000 | 1000 | 1000 |
| Weight/pack | kg | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Order point | | 5* | 5* | 5* | 5* | 5* |

*) Only unopened pack.



For aluminium

Description:

Luna. RT Al 99.5 Wire electrode of pure aluminium for TIG-welding of unalloyed aluminium qualities corresponding to SS 4005 4007 4010. Weld deposit has good ductility, corrosion characteristics and conductivity. Melting range: 630-640°C.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: AC

Electrode class: AWS A5.10 :ER1100

Mechanical characteristics:

Tensile yield limit: R_p 30 N/mm²

Ultimate tensile strength: R_m : 100 N/mm²

Extension: A_5 : 37%

| Art. no. | 20607 | -0104 | -0203 | -0302 |
|-------------------|-------|-------|-------|-------|
| Diameter | mm | 2.4 | 3.2 | 4.0 |
| Length | mm | 1000 | 1000 | 1000 |
| Weight/pack | kg | 2.0 | 2.0 | 2.0 |
| Order point | | 2* | 2* | 2* |

*) Only unopened pack.



Description:

Luna. RM AISi5 Silicon alloyed wire electrode made of aluminium for MIG welding of Al-Si and Al-Mg-Si alloys with a silicon content up to 7%. The weld deposit has medium strength with good resistance to thermal cracking. Should not be used when the end product is anodised. Melting range: 570-630°C.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: AC

Electrode class: EN ISO 18273 S Al 4043 (AlSi5) AWS A5.10 ER 4043

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 55 N/mm²

Ultimate tensile strength: R_m : 140 N/mm²

Extension: A_5 : 10%

| Art. no. | 20611 | -0033 | -0058 | -0108 | -0207 | -0306 |
|-------------------|-------|-------|-------|-------|-------|-------|
| Diameter | mm | 1.6 | 2.0 | 2.4 | 3.2 | 4.0 |
| Length | mm | 1000 | 1000 | 1000 | 1000 | 1000 |
| Weight/pack | kg | 2.0 | 2.0 | 2.0 | 2.0 | 2.0 |
| Order point | | 2* | 2* | 2* | 2* | 2* |

*) Only unopened pack.



Welding wires (TIG)

For aluminium



Description:

Luna. RT AIMg4.5Mn Magnesium alloy wire electrode made of aluminium for MIG welding of high strength aluminium alloys and low temperature applications.

RT AIMg4.5Mn gives a greater ultimate tensile strength than AIMg5. Melting range: 568 - 638°C.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: AC

Electrode class: EN ISO 18273 S Al 5183 (AIMg 4,5 Mn) AWS A5.10-92 ER 5183

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 150 N/mm²

Ultimate tensile strength: R_m : 290 N/mm²

Extension: A_5 : 25%

Melting range: 568-638°C

| Art. no. | 20846 | -0105 | -0204 | -0303 |
|-------------------|-------|-------|-------|-------|
| Diameter | mm | 2.4 | 3.2 | 4.0 |
| Length | mm | 1000 | 1000 | 1000 |
| Weight/pack | kg | 2.0 | 2.0 | 2.0 |
| Order point | | 2* | 2* | 2* |

*) Only unopened pack.



Description:

Luna. RT AIMg5 Magnesium alloyed wire electrode of aluminium for TIG-welding of seawater resistant aluminium alloys containing up to 5% Mg. RT AIMg5 is the most common occurring wire electrode for welding aluminium. Melting range: 560 - 630°C.

Note! Welding of aluminium requires, for a good result, very carefully cleaned joint surfaces.

Current type: AC

Electrode class: EN 18273 S Al 5356 (AlMg5(A) AWS A5.10 ER 5356)

Mechanical characteristics:

Tensile yield limit: R_p 0.2% 120 N/mm²

Ultimate tensile strength: R_m : 255 N/mm²

Extension: A_5 : 24%

Melting range: 568-638°C

| Art. no. | 20609 | -0052 | -0102 | -0201 | -0300 |
|-------------------|-------|-------|-------|-------|-------|
| Diameter | mm | 1.6 | 2.4 | 3.2 | 4.0 |
| Length | mm | 1000 | 1000 | 1000 | 1000 |
| Weight/pack | kg | 2.0 | 2.0 | 2.0 | 2.0 |
| Order point | | 2* | 2* | 2* | 2* |

*) Only unopened pack.

Gas welding wires

Luna. G2 (H-44) Bright drawn solid wire for gas welding tubular structures and pressure vessels of non-alloyed steel with min. The wire is bright drawn without a copper coating.

Mechanical characteristics:

Ultimate tensile strength: 430 N/mm²

| Art. no. | 20238 | -0101 | -0200 | -0309 | -0408 | -0507 | -0606 |
|-------------------|-------|-------|-------|-------|-------|-------|-------|
| Diameter | mm | 1.5 | 2.0 | 2.5 | 3.0 | 4.0 | 5.0 |
| Length | mm | 700 | 700 | 700 | 700 | 700 | 700 |
| Weight/pack | kg | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| Order point | | 5* | 5* | 5* | 5* | 5* | 5* |

*) Only unopened pack.



Luna. G4 Mo (H-44Mo) Bright-drawn solid wire for gas welding of unalloyed and low alloyed steel. Recovery with molybdenum gives the wire higher mechanical values, which means more application areas within above all pipe and pressure vessel structures.

Mechanical characteristics:

Ultimate tensile strength: 480 N/mm²

Extension: 26%

| Art. no. | 20239 | -0100 | -0209 | -0308 |
|-------------------|-------|-------|-------|-------|
| Diameter | mm | 2.0 | 2.5 | 3.0 |
| Length | mm | 700 | 700 | 700 |
| Weight/pack | kg | 5.0 | 5.0 | 5.0 |
| Order point | | 5* | 5* | 5* |

*) Only unopened pack.



Solder for hard soldering

Brass solder

Luna. M 900 - 900F Bronze/brass solder for hard soldering and brazing steel, copper and copper alloys. Suitable for production, repair and maintenance work. Supplied without or with flux coating (F). Low working temperature and minimal fumes. M 900F is flux coated.

Mechanical characteristics:

Breaking point: 440 N/mm²

Extension: 25%

Melting range: 875-895°C

| Art. no. | 20236 | -0103 | -0202 | -0301 |
|-------------------|-------|-------|-------|-------|
| Luna | No | M 900 | M 900 | M 900 |
| Diameter | mm | 1.5 | 2.4 | 3.0 |
| Length | mm | 1000 | 1000 | 1000 |
| Weight/pack | kg | 5.0 | 5.0 | 5.0 |
| Order point | | 5* | 5* | 5* |

*) Only unopened pack.

| Luna | No | M 900F | M 900F | M 900F | M 900F |
|-------------------|----|--------|--------|--------|--------|
| Diameter | mm | 2.0 | 2.0 | 3.0 | 3.0 |
| Length | mm | 500 | 500 | 500 | 500 |
| Weight/pack | kg | - | 1.0 | - | 1.0 |
| Order point | | 5* | 1 | 5* | 1 |

*) Only unopened packs.



Luna. M 850 Nickel alloyed brass solder with good fluidity and high strength values for exacting tasks. M 850 can be used for brazing steel, cast iron, malleable cast iron, copper and nickel alloys.

Mechanical characteristics:

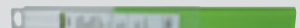
Breaking point: 440 N/mm²

Extension: 25%

Melting range: 890-910°C

| Art. no. | 20235 | -0104 | -0203 |
|-------------------|-------|-------|-------|
| Diameter | mm | 1.5 | 2.0 |
| Length | mm | 1000 | 1000 |
| Weight/pack | kg | 5 | 5 |
| Order point | | 5* | 5* |

*) Only unopened pack.



Solder for hard soldering

Phosphor copper solder

Luna. FK 2-K Solder designed for plumbing work containing 2 % silver, according to the National Swedish Board of Physical Planning and Building's applicable demands for heating, ventilation and sanitation installations.

Mechanical characteristics:

Breaking point: 250 N/mm²
Melting range:650-810°C

| Art. no. | 20230 | -0091 | -0109 | -0117 | -0208 |
|-------------------|--------|-------|-------|---------|---------|
| Diameter | mm 2 | 2 | 2 | 2.0x2.0 | 2.0x2.0 |
| Length | mm 500 | 500 | 500 | 500 | 500 |
| Weight/pack | kg - | - | 1.0 | - | 1.0 |
| Order point | | 5* | 1 | 5* | 1 |

*) Only unopened packs.

Luna. FK 5-K A solder designed for plumbing work containing 5% silver. This version of solder is often prescribed and recommended in the refrigeration industry.

Mechanical characteristics:

Breaking point: 250 N/mm²
Melting range:650-810°C

| Art. no. | 20231 | -0090 | -0108 | -0116 | -0207 |
|-------------------|--------|-------|-------|---------|---------|
| Diameter | mm 2 | 2 | 2 | 2.0x2.0 | 2.0x2.0 |
| Length | mm 500 | 500 | 500 | 500 | 500 |
| Weight/pack | kg - | - | 1.0 | - | 1.0 |
| Order point | | 5* | 1 | 5* | 1 |

*) Only unopened packs.

Silver solder

Luna. S 40Cd - 40CdF Flux coated. Silver solder with good fluidity at low working temperatures (610° C)

Recommended for soldering in series production due to its narrow melting range. Can also be recommended for soldering small, heat sensitive components and tool steel where a low bonding temperature is required.

S 40CdF is flux coated.

Mechanical characteristics:

Ultimate tensile strength:450 N/mm²
Melting range:595-630°C

| Art. no..... | 20232 | -0107 | -0206 |
|-------------------|--------|--------|--------|
| Luna | No | S 40Cd | S 40Cd |
| Diameter | mm 1.5 | 1.5 | 2.0 |
| Length | mm 500 | 500 | 500 |
| Weight/pack | kg 1.0 | 1.0 | 1.0 |

| Art. no. | 20232 | -0305 | -0404 |
|------------------|--------|---------|---------|
| Luna | mm | S 40CdF | S 40CdF |
| Diameter | mm 1.5 | 1.5 | 2.0 |
| Length | mm 500 | 500 | 500 |
| Weight/box | kg 1.0 | 1.0 | 1.0 |

Luna. S 44 Cadmium free silver solder with 40 % silver content primarily intended for soldering components for the food industry and where the soldered joint comes into contact with drinking water.

Can be used to solder copper, non-alloys and stainless steel.

S 44 has a relatively wide melting range, which permits soldering in relatively large joint openings.

Mechanical characteristics:

Breaking point: 400 N/mm²
Melting range: 675-735°C

| Art. no. | 20234 | -0105 | -0204 |
|-------------------|--------|-------|-------|
| Diameter | mm 1.5 | 1.5 | 2.0 |
| Length | mm 500 | 500 | 500 |
| Weight/pack | kg 1 | 1 | 1 |

Solder for hard soldering

Silver solder

Luna. S 55 - 55F Cadmium free solder with high silver content (55%) which contributes towards good flow properties, high capillary action and deep penetration. S 55 is with its good anti-corrosion characteristics well suited for use in petrochemical installations.

The relative toxic free composition means that the solder is ideal for use when soldering stainless components used in the food industry. Good colour matching when soldering silver work and stainless materials.

S 55F is flux coated.

Mechanical characteristics:

Breaking point: 430 N/mm²

Melting range: 630-660°C

| Art. no..... | 20233 | -0106 | -0114 | -0205 | -0213 | -0304 |
|------------------|-------|-------|-------|-------|-------|-------|
| Luna | No | S 55 | S 55F | S 55F | S 55F | S 55F |
| Diameter..... | mm | 1.5 | 1.5 | 1.5 | 2.0 | 2.0 |
| Length..... | mm | 500 | 500 | 500 | 500 | 500 |
| Weight/pack..... | kg | 1.0 | - | 1.0 | - | 1.0 |
| Order point..... | | 1 | 5* | 1 | 5* | 1 |

*) Only unopened packs.

Solder – hard soldering

Flux for bronze solder

Luna. CuZn (sn) F Flux in powder form. Designed for use with Luna bronze solder. Applied to the soldering area with the soldering iron, which is heated and dipped in the powder. The flux can also be mixed in water or spirit to form a paste.

May only be sold to professionals.

Read the safety data sheet before use.

Working interval: 750-1000°C

Standard: DIN 8511 F-SH2/EN 1045 FH21.

| | | |
|--------------|-------|-------|
| Art. no..... | 20271 | -0109 |
| Weight..... | g | 500 |



Flux for silver solder

Luna. Ag F Powdered flux. Designed for use when soldering with silver solder. Applied to the joint with a stick of solder that is heated and dipped in the powder.

May only be sold to professionals.

Read the safety data sheet before use.

Working interval: 580-770°C

Standard: DIN 8511 F-SH1 EN/1045 FH-10

| | | |
|--------------|-------|-------|
| Art. no..... | 20272 | -0108 |
| Weight..... | g | 250 |



Wood working machines

The Luna brand offers a wide range of high quality wood working machines comprising of saws, millers, planers, sanders, lathes, drills and dust extractors.

Together with accessories the range comprises close to 500 products.

The main target groups are construction industries, joineries and craftsmen, the educational and public sectors.



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Crosscut and crosscut mitre saws



Luna. Cross-cut and mitre saw with double slide function that gives a high capacity, precision and stability. The saw has a silent, maintenance free induction motor with brakes. Powerful alu saw disc journalled in the alu-base plate - turns to the right 46°, left 46° and tiltable saw unit to the left 45°. The saw blade is protected by an automatic returning aluminium blade guard. Supplied with tungsten carbide saw blade and material clamp. Suitable saw blades see 20577 page 455.

| | | |
|---------------------------------|--------------|------------------------|
| Art. no. | 20114 | -0100 |
| Luna | No | BMS 250S |
| Saw blade diameter x hole | mm | 254 x 30 |
| Tilt saw blade | degrees | 0° - 45° |
| Mitre | degrees | 45°-0° - 45° |
| Fixed position | degrees | 0.15°, 22.5°, 30°, 45° |
| Max. cut height 90°/45° | mm | 60/50 |
| Max. cut length 90°/45° | mm | 300/210 |
| Table size | mm | 460 x 320 |
| Spindle speed | rpm | 2950 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 1.6 |
| Weight | kg | 18.5 |
| Ditto for UK | 20114 | -6008 |

Circular saws



Luna. Table circular saw with steel plate design and cast aluminium table. The saw blade is adjustable and can be angled for mitring at 45°. The spiller guide can be adjusted above the table surface incl. the extension table. The lower section can be easily removed from the machine with two clips and the legs are folded up with the tool.

Supplied med lower section, motor cut-out, zero voltage tripping, mitre guide, table extension width 2 (right, Left), tungsten carbide saw blade, parallel stop, saw stop and pusher.

Suitable saw blades see 20577 page 455.

| | | |
|--|--------------|-------------------|
| Art. no. | 20006 | -0101 |
| Luna | No | BCS 250 |
| Table size (without table extension, broadening) . | mm | 630 x 440 |
| Table extension width, left/right | mm | 630 x 250 |
| Table extension length, rear | mm | 400 x 440 |
| Table height | mm | 830 |
| Max. saw width against guide | mm | 440 |
| Saw blade diameter x hole | mm | 250x30 |
| Spindle speed | rpm | 4800 |
| Max. saw depth 90°/45° | mm | 71/51 |
| Connection sleeve Ø | mm | 36 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 1.5 |
| Weight | kg | 33 |
| Ditto for UK | 20006 | -5902 |



Luna. Stable circular saw with sliding table. Chassis of robust steel plate and aluminium table. The saw is supplied with adjustable stop rail and cleaving stop, tilt function 0-45°, ball-bearing mounted adjustable table, stand with large castors for easy movement and silent induction motor with brake system. Enclosure class IP54.

Suitable saw blades see 20577 page 455.

| | | | |
|------------------------------------|--------------|-------------------|-------------------|
| Art. no. | 20843 | -0108 | -0207 |
| Luna | No | BCS 315 | BCS 315 |
| Bench size WxL | mm | 800x350 | 800x350 |
| Sliding table WxL | mm | 1000x300 | 1000x300 |
| Table height | mm | 855 | 855 |
| Sliding table sliding length | mm | 580 | 580 |
| Max. saw width against guide | mm | 610 | 610 |
| Saw blade diameter x hole | mm | 315x30 | 315 x 30 |
| Spindle speed | rpm | 2860 | 2860 |
| Max. saw depth 90°/45° | mm | 73/49 | 73/49 |
| Connection sleeve Ø | mm | 100 | 100 |
| Motor voltage | V | 230 1-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 2,2 | 2,2 |
| Weight | kg | 68 | 68 |
| Ditto for UK | 20843 | -5909 | - |

Circular saws

Luna. Trimming saw with scribe saw function. Stand in heavy-duty steel construction. Cast iron saw table with ball-bearing mounted aluminium carriage equipped with steel section table, adjustable stop and pivot arm. The saw blade can be raised and lowered using screw spindles and gear segments as well as adjustable for the mitre sawing at 45°. Max travel 155 cm. A 315 mm saw blade can be used if the scribe blade is removed, this then gives a higher saw height. Enclosure class IP54.

Supplied complete with adjustable table, scribe saw device, splitter guide, saw guard, motor 400V with zero voltage tripping and tungsten-carbide saw blades. 254 mm (1) and 80 mm (1).

Suitable saw blades see 20577 page 455.



| | | |
|---|--------------|-------------------|
| Art. no. | 20007 | -0100 |
| Luna | No | BCS 250P |
| Table size | mm | 790 x 1480 |
| Max. length adjustment with scribe blade | mm | 1400 |
| Max. saw width against guide | mm | 1260 |
| Saw blade diameter x hole | mm | 254 x 30 |
| Scribe blade diameter x hole | mm | 80 x 20 |
| Max. sawing height 90° 250 mm blade (315) | mm | 78 (108) |
| Max. sawing height 45° 250 mm blade (315) | mm | 54 (76) |
| Saw blade angle adjustment | | 90° - 45° |
| Saw blade speed | rpm | 4000 |
| Connection sleeve Ø | mm | 30/100 |
| Motor voltage | V | 400 3-phase 50 Hz |
| Motor output | kW | 2.2 |
| Weight | kg | 315 |
| Ditto for Norway | 20007 | -5000 |
| Motor voltage | V | 230 3-phase 50 Hz |

Universal saws

Luna. Very stable and powerful cleaving and trimming saw with thick zinc coated table in sheet metal and powdered coated frame. Saw unit is double journalled with separate tilt (90-45°) and height adjustment knobs/screw spindle. Width stop adjustable over the whole table width with a powerful eccentric lock. Easy to move due to the folding handle and set of wheels. Trimming table equipped with mitre guide and stop, which run via adjustable rollers and guide. Ready for connection to dust extractor. Easily equipped to a mobile unit thanks to the retractable table legs. Supplied with motor with protection class IP 54 overload protection and motor brake. Contactor with zero voltage tripping, lockable lock, adjustable table, rear extension table, tungsten carbide saw blade and all necessary spanners. (NOTE! Cross section of connection cable min 1.5 mm). Saw delivered ready assembled - Cleaving blade and adjustable table not fitted.

Accessories:

Additional table of sheet steel 800x500 mm, mounted on the right side of the machine table.

Supplied with guide profile and millimetre scale.

Suitable saw blades see 20577 page 455.



| | | | |
|--|--------------|-------------------|-------------------|
| Art. no. | 20439 | -0108 | -0207 |
| Luna | No | BCS 315 B | |
| Working height | mm | 810 | |
| Table size (with/without table extension) | mm | 800x550/1600x550 | |
| Saw height at 90/45°(adjustable using screw spindle) | mm | 90/60 | |
| Inclinable saw blade | ° | 90-47 | |
| Extractor sleeve (round) | mm | 100 | |
| Max. saw width against guide, without/with side table fitted | mm | 300/850 | |
| Max. saw blade diameter x hole | mm | 315x30 | |
| Adjustable table: Insertion in front of the saw blade 90-25 mm, saw height | mm | 600-670 | |
| Motor voltage | V | 230 1-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 1.6 | 2.0 |
| Speed | rpm | 2800 | 2800 |
| Fuse min | A | 10 (Slow) | 10 (Slow) |
| Weight | kg | 50 | 50 |
| Ditto for UK | 20439 | -6006 | - |
| Additional bench: | 20439 | -1007 | |

Wood working machines

Scroll saws



Luna. Scroll saw with variable speed for sawing wood, plastic and light metal e.g. aluminium, etc. Cast support with heavy-duty base. Aluminium saw table, can be tilted 45°. Easy and quick blade replacement - both saw blades with and without pins can be used. With dust blower and extractor nozzle. Supplied with zero voltage protection and saw blade.

| | | |
|--------------------------------|--------------|-------------------|
| Art. no. | 20008 | -0109 |
| Luna | No | BSS 405 |
| Distance saw blade-stand | mm | 406 |
| Table tilt left | | 0° - 45° |
| Max. sawing thickness | mm | 50 |
| Blade length | mm | 130 |
| Saw blade speed | ting | 400-1600 |
| Extraction sleeve | mm | 32 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 0.12 |
| Weight | kg | 14 |
| Ditto for UK | 20008 | -5900 |



Luna. Scroll saw with two speeds for wood, plastic and light metal. Whole saw (incl. saw arm and base) made in heavy-duty cast iron design. Saw table can be angled 45°. Equipped with quick-action clamp for extra fast saw blade replacement. Saw blades without pin fastening are used. With chip blowing device and extraction nozzle. Supplied with motor, IP54, zero voltage protection, saw blade and 2 extra clamping jaws.

| | | |
|----------------------------------|--------------|-------------------|
| Art. no. | 20697 | -0105 |
| Luna | No | BSS 460 |
| Distance saw blade-stand | mm | 460 |
| Max. cutting depth | mm | 65 |
| Blade length | mm | 130 |
| Saw blade speed (2 speeds) | stroke/min | 700/1400 |
| Stroke length | mm | 20 |
| Dimensions LxWxH | mm | 620 x 285 x 310 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 0.12 |
| Weight | kg | 28 |
| Ditto for UK | 20697 | -6003 |

Band saws



20003



20004



20005

Luna. Band saws of welded steel construction and with two speeds. Suitable for wood and plastic materials. Balanced, rubber-covered band saw wheel of cast iron, which runs in dust-proof ball bearings. Spring-loaded upper wheel. Cast iron table that can be tilted and which features guide slots for a mitre guide.

Models 315 and 350 are supplied with a lower frame while model 500 is a floor model. Enclosure protection class IP 54. Supplied with mitre guide.

Suitable band saw blade - see 20998 page 428.

| Art. no..... | | 20003-0104 | 20004-0103 | 20005-0102 |
|--------------------------------|--------------|-------------------|-------------------|--------------------|
| Luna | No | BBS 315 | BBS 350 | BBS 500 |
| Wheel diameter | mm | 315 | 350 | 475 |
| Saw blade length | mm | 2370 | 2630 | 3607 |
| Saw blade width | mm | 6 - 19 | 6 - 19 | 6 - 25 |
| Max. sawing height | mm | 200 | 235 | 285 |
| Saw blade speed | m/min | 380/820 | 380/820 | 460/980 |
| Distance saw blade-stand | mm | 305 | 345 | 465 |
| Bench size WxL | mm | 480 x 400 | 548 x 400 | 630 x 480 |
| Connection sleeve | mm | 100 | 100 | 100 |
| Motor voltage | V | 230 1-phase 50 Hz | 230 1-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 0.75 | 1.13 | 1.5 |
| Weight | kg | 75 | 90 | 175 |
| Ditto for Norway | 20005 | - | - | -5002 |
| Motor voltage | V | - | - | 230 -3-phase 50 Hz |
| Ditto for UK | | 20003-5905 | 20004-5904 | - |
| Impeller kit | | 20003-9006 | 20004-9005 | - |



Comb. jointer and planer

Luna. Combined planer and thicknesser. For location on floor. The chassis and plane benches are manufactured from cast aluminium with slotted bench lips (quieter action). Well-balanced plane cutter. Ready for connection to an extractor (thicknesser and planer), sleeve 100 mm.

Thicknesser The front planer bed is individually adjusted for various shaving thicknesses (using a screw spindle). Surface stop of alu section - adjustable from 90°-45°.

Planer Heavy-duty, bearing mounted planing table, adjustable height via 4 screw spindles. Integrated adjustable chip hood. Automatic feed and equipped with reverse stroke block.

Supplied complete with motor, switch with zero voltage release, 2 adjustable cutters, adjustable directional dolly, shaving covers, floor stand and instruction book. Enclosure protection class IP 54.

A wheel frame equipped with wheels that can be raised and lowered are available as accessories to allow ease of movement.

Suitable planing bits, see 20556-0709 page 426.

| | | | |
|--|--------------|-------------------|-------------------|
| Art. no. | 20556 | -0105 | -0204 |
| Luna | No | BPT-260 A | |
| Table length thicknesser | mm | 1000 | |
| Table length planer | mm | 400 | |
| Table height | mm | 840 | |
| Plane width jointer/planer | mm | 260 / 255 | |
| Max. material thickness when planing | mm | 155 | |
| Max. chip width jointer/planer | mm | 3/3 | |
| Feed speed | m/min | 5 | |
| Cutter diameter | mm | 63 | |
| Number of planing bits | ea | 2 | |
| Cutter speed | rpm | 6500 | |
| Motor voltage | V | 230 1-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 2.0 | 2.2 |
| Weight | kg | 66 | |
| Ditto for UK | 20556 | -5906 | - |
| Wheel frame | 20556 | -0303 | |



Luna. Planer and thicknesser with long, cast iron jointer table. The machine has a heavy-duty stop that can be tilted 45°. Both the tables open at the same time for setting between thickness and smooth planing. Handles for quick adjustment of the infeed and outfeed table. Feed rollers can be disengaged.

Supplied with three HSS planing bits, precision stop, cutter guard, 100 mm extractor sleeve and switch with zero voltage tripping.

Suitable planing bits – see 20913 page 426.

| | | | |
|--|-------------------|-------------------|-------------------|
| Art. no. | 21098-0108 | 20841-0100 | 21098-0207 |
| Luna | No | BPT 260 S | BPT 410 S |
| Table length, thicknesser | mm | 1120 | 1400 |
| Table length, planer | mm | 540 | 540 |
| Table height | mm | 850 | 850 |
| Planing width smoothing/thickness | mm | 260 | 310 |
| Max. material thickness when thickness planing | mm | 225 | 225 |
| Max. chip thickness jointer/planer | mm | 3/4.5 | 3/4.5 |
| Feed speed | m/min | 5.5 | 7 |
| Cutter diameter | mm | 70 | 70 |
| Number of planing bits | ea | 3 | 3 |
| Planing bits, L x W x T | mm | 260 x 25 x 3 | 310 x 25 x 3 |
| Cutter speed | rpm | 5500 | 5300 |
| Motor voltage | V | 400 3-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 1.7 | 2.2 |
| Weight | kg | 170 | 250 |
| Ditto for Norway | 21098-5107 | 20841-5000 | 21098-5008 |
| Motor voltage | V | 230 3-phase 50 Hz | 230 3-phase 50 Hz |
| Wheel frame | 20841 | - | - |
| Digital thickness gauge | 20841 | -0605 | -0605 |

Millers

Luna. Bench model. Used together with portable routing machine or compass saws. Made of heavy duty steel. Fits the most available models. Supplied with two adjustable fences incl. holding down and side holder, Extraction nozzle 60 mm Ø, zero trip - protection class IP 54 and fixture screws.

Floor stand. Used together with table BRT 600. Adjustable for two different working heights.

Mounting plate (2) tightening the portable router to the table.

| | | |
|--------------------------------------|--------------|--------------|
| Art. no. | 20895 | -0105 |
| Luna | No | BRT 600 |
| Table top dimensions | mm | 650x500 |
| Height | mm | 350 |
| Weight | kg | 14 |
| Accessories: | | |
| Adaptor for compass saw | 20895 | -0204 |
| Floor stand | 20895 | -0303 |
| Mounting plate, big | 20895 | -0402 |



With floor stand



Luna. Spindle moulder with 4 different speeds adjustable by changing belts. Steel stand and heavy-duty cast iron milling table. Equipped with sleeve for connection to an extractor. Height setting of the milling spindle using at handwheel and locking knob. Supplied with motor cut-out IP54, adjustable milling guide and milling head.

| | | | | |
|-------------------------------|--------------|---------------------------|---------------------------|---------------------------|
| Art. no. | 20463 | -0107 | -0206 | -0305 |
| Luna | No | BSM-40 | BSM-40 | BSM-40T |
| Motor speed | rpm | 2800 | 2800 | 2800 |
| Table size | mm | 480x690 | 480x690 | 640x710 |
| Height table | mm | 900 | 900 | 900 |
| Spindle diameter | mm | 30 | 30 | 30 |
| Max. clamping height | mm | 100 | 100 | 100 |
| Spindle incline | ° | - | - | -5° - +30° |
| Spindle speeds | r/min | 1800 / 3000 / 6000 / 9000 | 1800 / 3000 / 6000 / 9000 | 1800 / 3000 / 6000 / 9000 |
| Max. cutter diameter | mm | 200 | 200 | 200 |
| Extractor head | mm | 100 | 100 | 100 |
| Motor voltage | V | 230 1-phase | 400 3-phase | 400 3-phase |
| Motor output | kW | 2.0 | 2.8 | 2.8 |
| Weight | kg | 148 | 148 | 170 |
| Ditto for Norway | 20463 | - | -5007 | -5106 |
| Motor voltage | V | - | 230 3-phase | 230 3-phase |
| Ditto for UK | 20463 | -5908 | - | - |
| Accessories: | | | | |
| Sliding table | 20463 | -0404 | -0404 | -0404 |
| Table size | mm | 500 x 480 | 500 x 480 | 500 x 480 |
| Table movement | mm | 1200 | 1200 | 1200 |

Feed unit



Luna. The feed unit can swivel around a column, whose socket is screwed directly on to the machine's table area. Suitable for most smaller carpentry machines, e.g. circular saws and milling machines. Suitable for milling and saw work in large series. This work is made much safer with Luna exciter set.

Supplied with motor - enclosure protection class IP 54.

| | | |
|---|--------------|-------------------|
| Art. no. | 20113 | -0101 |
| Luna | No | BFE 32 |
| No of rollers | ea | 3 |
| Drive roller $\varnothing \times$ width | mm | 80x30 |
| Suspension of rollers max. | mm | 12 |
| Feed speeds (forward/back) | m/min | 5/6.5/8/11 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 0.18 |
| Weight | kg | 33 |
| Ditto for UK | 20113 | -6009 |

Lathes



Luna. Lathe in table model with cast lathe bed and spindle lock. Supplied with lower stand, drive centre, tailstock guide, journalled counter-centre and ejector rod. Enclosure class IP54.

| | | |
|---------------------------------------|--------------|-------------------|
| Art. no. | 20011 | -0104 |
| Luna | No | BWL 406 |
| Centre distance | mm | 406 |
| Centre height | mm | 152 |
| Lathe diameter over bed | mm | 305 |
| Spindle passage | mm | 9.5 |
| Spindle thread | M | 33 x 3.5 |
| Headstock taper | MT | 2 |
| Tailstock taper | MT | 2 |
| Drive centre's spindle movement | mm | 60 |
| Spindle speed | ea | 6 |
| Spindle speed | rpm | 360-3250 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 0.37 |
| Weight | kg | 48 |
| Ditto for UK | 20011 | -5905 |



Luna. Wood lathe with electronic speed control in 6 intervals by belt switching and rotating headstock. Frame and lathe bed in a stable cast steel design. Through-bored spindle, 12 mm, with Morse taper and male thread for the chuck, faceplate, etc. Large 250 mm tailstock which can be rotated, raised and slid.

Supplied complete with motor, 250 mm tailstock, ejector rod, drive centre, faceplate and rotating centre. Enclosure protection class IP 54.

| | | |
|---------------------------------------|--------------|-------------------|
| Art. no. | 20165 | -0108 |
| Luna | No | BWL 950 |
| Centre distance | mm | 950 |
| Centre height | mm | 260 |
| Lathe diameter over bed | mm | 520 |
| Spindle passage | mm | 12 |
| Spindle thread | M | 33x3.5 |
| Headstock taper | MT | 2 |
| Tailstock taper | MT | 2 |
| Drive centre's spindle movement | mm | 100 |
| Spindle speeds | ea | 6 |
| Spindle speed | rpm | 50-3850 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 1.1 |
| Weight | kg | 134 |
| Ditto for UK | 20165 | -6006 |

Mortise drill machines

Luna. Combined mortise drilling and drilling machine. For making square drill holes (no mortise rounding necessary). Heavy-duty design of cast iron and wide base plate ensuring stability. The mortise drill unit can be raised and lowered using a gear rack, adjustable stop in depth, adjustable down holder and adjustable depth stop.

Supplied as standard with 230V-1-phase motor, drill chuck for max. 12 mm drill and 1 mortise drill 1/2".

Suitable hollow chisels with drill see 20551 page 421.

Brochure on request.

| | | |
|----------------------------------|--------------|-----------------|
| Art. no. | 20643 | -0100 |
| Luna | No | BMO 75 |
| Drill chuck | mm | 1-13 |
| Max. mortise sleeves | mm | 12 |
| Vertical movement | mm | 76 |
| Max. distance stop/sleeve | mm | 75 |
| Max. distance sleeve/table | mm | 120 |
| Table size LxW | mm | 340x145 |
| Spindle speed | r/min | 2800 |
| Motor voltage | V | 230 1-fas 50 Hz |
| Motor output | W | 370 |
| Total height | mm | 780 |
| Weight | kg | 25 |
| Ditto for UK | 20643 | -5901 |



Luna. Combined mortise drilling and drilling machine. For making square drill holes (no mortise rounding necessary). The mortise drill unit is adjustable via a gear rack, the table is adjustable in length and depth. Adjustable length stop, two down holder and one side holder.

Supplied with drill chuck 16 mm and lower cabinet.

Suitable hollow chisels with drill see 20551 page 421.

| | | |
|----------------------------------|--------------|-------------------|
| Art. no. | 20010 | -0105 |
| Luna | No | BMO 210 |
| Drill chuck | mm | 3-16 |
| Hollow chisels | mm | 6-24 |
| Vertical movement | mm | 210 |
| Max. distance sleeve/stop | mm | 140 |
| Max. distance sleeve/table | mm | 210 |
| Table size L x W | mm | 400 x 150 |
| Table movement, length | mm | 170 |
| Table movement, cross | mm | 140 |
| Spindle speed | rpm | 2800 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 1.1 |
| Overall height | mm | 1720 |
| Weight incl. stand | kg | 124 |
| Ditto for UK | 20010 | -5906 |



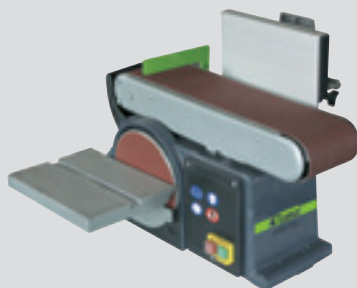


Disc sander

Luna. Disc sander for sanding wood. Cast iron sanding table, adjustable 90°-45°, with gear rack and equipped with mitre guide. Supplied with aluminium polishing disc. Velcro back for sanding paper. Equipped with manual disc brake. Connection for suction hose med sleeve 57 mm. Enclosure class IP 54

| | | |
|-------------------------------|--------------|-------------------|
| Art. no. | 20009 | -0108 |
| Luna | No | BDS 300 |
| Polishing disc diameter | mm | 305 |
| Table size | mm | 435x165 |
| Table height | mm | 245 |
| Disc speed | rpm | 1420 |
| Motor voltage | V | 230 1 phase 50 Hz |
| Motor output | kW | 0.74 |
| Weight | kg | 33 |
| Ditto for UK | 20009 | -5909 |

Combined belt and disk polishing machine



Luna. Combined belt and disc sanding machine for wood. Adjustable sanding table (45°) with mitre line used with disc polishing. The polishing bar can be variably adjusted vertically and is equipped with a 45° tilttable length stop (for edge sanding and bevelling) and an end stop. Belt tightener and adjustment wheel allow simple changing and adjustment of abrasive belt.

Supplied with sanding table, mitre line, length stop and end stop. Ready for connection to an extractor with 63 mm sleeve, enclosure protection class IP 44.

| | | |
|-----------------------------|--------------|-------------------|
| Art. no. | 20519 | -0101 |
| Luna | No | BBD 100 |
| Belt dimension | mm | 100x915 |
| Band speed | m/s | 8 |
| Sanding disc diameter | mm | 150 |
| Sanding disc speed | rpm | 2850 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 0.44 |
| Weight | kg | 20 |
| Ditto for UK | 20519 | -5902 |



Luna. Combined belt and disc sanding machine. Heavy-duty design with cast iron base providing excellent stability. The sanding bar can also be variable adjusted vertically - covered with graphite cloth. Quick locking of the abrasive belts with automatic adjustment. Easy lateral belt adjustment. Disc sanding table adjustable 90°-45°, equipped with mitre guide. Disc pad for self-fixing sanding discs. Ready for connection to an extractor. Enclosure protection class IP 44.

Supplied with zero voltage tripping, aluminium sanding table with stop, mitre guide and abrasive belt.

| | | |
|--|--------------|-------------------|
| Art. no. | 20645 | -0108 |
| Luna | No | BBD 150 |
| Belt dimension B x L | mm | 150 x 1220 |
| Band speed | m/s | 8.6 |
| Polishing disc diameter | mm | 250 |
| Sanding disc speed | rpm | 1440 |
| Sanding table (Disc sanding) W x L | mm | 200 x 355 |
| Connection sleeve Ø | mm | 63 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 0.8 |
| Weight | kg | 47 |
| Ditto for UK | 20645 | -5909 |
| Support | 20645 | -0504 |

Belt sanding machines



Luna. Belt sander in floor model design. Simple belt tension with lever and adjustment with wheel. The sanding bar, which is equipped with a graphite pad, can easily be folded 90° in relation to the sanding table. The front sanding board is also adjustable for maximum use of the abrasive belt. Enclosure class IP54. Supplied with 2 sanding tables in aluminium, both tiltable 0-45° and with mitre guide, sanding belt, extractor sleeve and lower beam.

| | | | | |
|--------------------------------|--------------|-------------------|----------|-------------------|
| Art. no. | 20558 | -0103 | | -0202 |
| Luna | No | | BBS 2000 | |
| Max. sanding length | mm | | 790 | |
| Abrasive belt dimension..... | mm | | 150x2000 | |
| Band speed | m/sec | | 13 | |
| Working height | mm | | 800 | |
| Bench size, front bench | mm | | 790x220 | |
| Bench length, side bench | mm | | 510x220 | |
| Sanding roll diameter | mm | | 70 | |
| Extraction sleeve∅ | mm | | 100 | |
| Motor voltage..... | V | 230 1-phase 50 Hz | | 400 3-phase 50 Hz |
| Motor output..... | kW | | 1,5 | |
| Weight | kg | | 86 | |
| Ditto for Norway | 20558 | - | | -5003 |
| Motor voltage..... | V | - | | 230 3-phase 50 Hz |
| Ditto for UK | 20558 | -5904 | | - |

Dust extractors

For work working machines

Luna. Compact extractor hood which fits machines with extractor sleeve 100 mm, suitable for planes up to 260 mm width. Easy to move between different machines thanks to a stand equipped with transport wheels and a sliding handle. The chip is separated into a single use plastic sack, easy change of chip sacks thanks to a clamp with quick action clamp. Supplied as standard with castor frame, filter case and chip bag. Aluminium motor IP 54, start and stop device and 1.5 meter connection cable. Also supplied with a floor extractor.

| | | |
|---------------------------------------|-------------------|-------------------|
| Art. no. | 20960 | -0105 |
| Luna | No | BDC 85 |
| Dimensions WxDxH | mm | 380x845x1500 |
| Extraction capacity free flow | m ³ /h | 850 |
| Connection ∅ | mm | 100 |
| Motor voltage | V | 230 1-phase 50 Hz |
| Motor output | kW | 0.55 |
| Weight | kg | 33 |
| Ditto for UK | 20960 | -5906 |
| Filter case | 20959 | -0108 |
| Plastic chip bags, 60 l. | 8236 | -1601 |
| No. per | pack. | 25 |



Dust extractors For work working machines



Luna. Extractor hood suitable for wood processing machines with extractor sleeve 125/100 mm, planes up to 350 mm. Fan housing with well-balanced impeller. Equipped with extractor branch connection \varnothing 2x100 mm. Plastic chip bags and textile filter bags. Simple and rapid changes by means of a quick action band. The chip bag rests on the base plate, which is equipped with 4 wheels.

Supplied with stand on castors, filter hood, chip sack, branch pipe \varnothing 2x100 mm, switch with zero voltage tripping - enclosure protection class IP 54.
(NB. Area of the extension cable minimum 1,5 mm².)

| | | | |
|---|-------------------|-------------------|-------------------|
| Art. no. | 20550 | -0200 | -0309 |
| Luna | No | BDC 240 | BDC 240 |
| Dimensions WxDxH | mm | 850x560x1950 | 850x560x1950 |
| Volume of chip bag | l | 120 | 120 |
| Extraction capacity free flow | m ³ /h | 2100 | 2100 |
| Air speed for primary connection | m/sec | 31 | 31 |
| Connection \varnothing on primary connection/branch | mm | 1 x 125 / 100 x 2 | 1 x 125 / 100 x 2 |
| Sound level | dB (A) | 84 | 84 |
| Motor voltage | V | 230 1-phase 50 Hz | 400 3-phase 50 Hz |
| Motor output | kW | 1.5 | 1.5 |
| Weight | kg | 51 | 51 |
| Ditto for UK | 20550 | -5902 | - |
| Accessories: | | | |
| Plastic chip bags, 120 l | 8236 | -1056 | -1056 |
| No. per | pack. | 10 | 10 |
| Filter case | 20550 | -1000 | -1000 |



Luna. Extractor hood with double collection sacks. Suitable for wood processing machines with extractor sleeve 125/100 mm, planes up to 400 mm. Three inlets of 100 mm or 1 inlet of 150 mm. Easy to move on account of the base plate fitted with castors. Extractor is equipped with plastic chip sacks and textile filter bags.

Supplied with stand with castors, branch pipe 3x100 mm, switch with zero voltage tripping - enclosure class IP54.

| | | |
|--|-------------------|-------------------|
| Art. no. | 20856 | -0102 |
| Luna | No | BDC 300 |
| Inlet \varnothing on primary connection/branch | mm | 1x150/3x100 |
| Diameter, fan | mm | 305 |
| Sack capacity | l | 430 |
| Extraction capacity free flow | m ³ /h | 3000 |
| LxWxH | mm | 1460x720x2160 |
| Sound level | dB (A) | 85 |
| Motor voltage | V | 400 3-phase 50 Hz |
| Motor output | kW | 2.2 |
| Weight | kg | 59 |
| Ditto for Norway | 20856 | -5002 |
| Motor voltage | V | 230 3-phase 50 Hz |
| Plastic chip bags, 160 l | 8236 | -1700 |
| No. per | pack. | 10 |

Dust extractors

Cartridge filter

Luna. Cartridge filter used for all types of suction except wet suction. Used in combination with extractor hood that draws in dust from plasterboards, grains, belt polishers, lime plants, pigment, cellulotton, sawdust, wood chips, lacquer dust, etc. Fitted instead of the filter case on the extractor hood. Suitable extractor hood with connection diameter 370 mm e.g. BDC 85 and 490 mm e.g. BDC 120/240.

| | | | |
|---------------------------|--------------|--------------|--------------|
| Art. no. | 20844 | -0107 | -0206 |
| Luna | No | BMF 370 | BMF 490 |
| Connection diameter | mm | 370 | 490 |
| Height | mm | 480 | 625 |
| Weight | kg | 6 | 9 |



Reducer, suction hoses, etc.

Luna. Sheet metal reducers and extension pieces, hard plastic damper and branches. Flexible plastic suction hoses with coil.

Reducer

| Diameter | Reducer Art. no. |
|-----------------------|---------------------|
| mm | 8632 |
| External 100-63 ext. | -0108 |
| External 125-100 Ext. | -0207 |
| External 160-100 Ext. | -0306 |
| External 160-125 Ext. | -0405 |
| External 200-100 Ext. | -0454 |
| External 200-125 Ext. | -0504 |



Reducer

Extension pieces

| Diameter | Extension piece Art. no. |
|--------------|-----------------------------|
| mm | 8236 |
| External 100 | -0801 |



Extension piece

Branching

| Diameter | Branching Art. no. |
|---|-----------------------|
| Primary connection int./branch connection. ext. mm | 20562 |
| 45° 1x100 / 2x100 | -0107 |
| 45° 1x125 / 2x125 | -0206 |
| 90° 1x125 / 2x100 | -0305 |
| 90° 1x125 / 2x125 | -0404 |

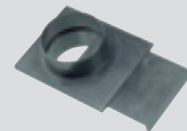


Branch pipe 45°

Luna. Damper and branch for connection using a short hose bit.

Damper (made of hard plastic)

| Diameter ext. both sides | Damper Art. no. |
|--------------------------|--------------------|
| mm | 20562 |
| 100 | -0503 |
| 125 | -0602 |



Damper

Suction hoses

| Diam.xlength | Suction hoses Art. no. |
|------------------------|---------------------------|
| mm | |
| 63x2000 | 7571-0251 |
| 100x2500 | 20994-0105 |
| 100x3000 | 8236-0405 |
| 100x25000 (whole roll) | 8236-1403 |
| 125x3000 | 7344-1008 |



Suction hose

Accessories

Lathe accessories



Luna. Bowl chuck for M33/M24 spindle thread with 4 **centred** back segment for interior and exterior tightening for bowl turning, etc.
Supplied with screw cartridge, adaptor, (M24x3, M33x3,5) and lock-tightening pins.

| | | |
|---------------------------------|--------------|-----------------|
| Art. no. | 20524 | -0104 |
| Diameter | mm | 100 |
| Number of jaws (segments) | ea. | 4 |
| Interior tension min.-max. | mm | 54-79 |
| Exterior tension min.-max. | mm | 43-69 |
| Clamping depth max. | mm | 17 |
| Attachment thread. | mm | M24x3 / M33x3,5 |



Luna. Bowl chuck for M24 or M33 spindle threads with 4 jaw, centring segments for inside and outside tightening for e.g. bowl turning, etc.
Supplied with chuck key.

| | | | |
|-----------------------------------|--------------|--------------|--------------|
| Art. no. | 20524 | -0203 | -0302 |
| Diameter | mm | 125 | 125 |
| Number of backar (segments) | ea | 4 | 4 |
| Interior tension min.-max. | mm | 44-70 | 44-70 |
| Exterior tension min.-max. | mm | 54-90 | 54-90 |
| Clamping depth max. | mm | 12 | 12 |
| Attachment thread. | mm | M24x3 | M33x3.5 |



Luna. Lathe chuck for lathe-spindle M33/M24 spindle thread with 4 **centred** jaws for interior and exterior tension.
Supplied with M33 / M24 adaptor and the necessary lock-tension pins.

| | | |
|---------------------------------|--------------|-----------------|
| Art. no. | 20525 | -0103 |
| Diameter | mm | 125 |
| Number of jaws | ea. | 4 |
| Interior tension min.-max. | mm | 90-120 |
| Exterior tension min.-max. | mm | 70-100 |
| Attachment thread | | M24x3 / M33x3,5 |



Luna. Lathe chuck for lathe-spindle M33/M24 spindle thread with 4 **individual** adjustable step jaws for interior and exterior tension.
Supplied with M33 / M24 adaptor and necessary key.

| | | |
|---------------------------------|--------------|-----------------|
| Art. no. | 20526 | -0102 |
| Diameter | mm | 150 |
| Number of jaws (segments) | ea. | 4 |
| Interior tension min.-max. | mm | 120-160 |
| Exterior tension min.-max. | mm | 25-130 |
| Attachment thread. | | M24x3 / M33x3,5 |

Accessories

Saw frame

Luna. Universal saw frame for crosscut & mitring saws. Aluminium frame with foldaway arm. Equipped with 2 extensible and height adjustable support rollers with an end stop and 2 clamping rails with quick action bracket.

Supplied with fastening screws for the crosscut and mitring saw.

| Art. no. | 20252 | -0102 |
|--------------------------------|-------|-----------|
| Luna | No | BSB3800 |
| Height excl fixing rail | mm | 780 |
| Width | mm | 670 |
| Length min/max | mm | 1665/3800 |
| Support rollers height setting | mm | 85-185 |
| Weight | kg | 17 |



Stand

Luna. Stable steel construction. Gold-chromed. Edge-weight table top. Angle bent legs 100x100 mm with margin. Punched holes for height adjustability (50 mm interval), and for fixing to floor or for mounting castors or feet. Specially adapted for machines such as circular saws, band saws, planers, drills, belt sanders etc.

| Art. no. | 20161 | -0102 |
|--------------------|-------|---------|
| Type | | SS41-66 |
| Table size | mm | 650x500 |
| Height, adjustable | mm | 410-660 |
| Weight | kg | 20 |



Roller support for woodworking

Luna. Roller support with angle-adjustable support roller. Suitable for work with round and square (diagonal sawing) work objects.

| Art. no. | 20157 | -0108 |
|-------------------------------|-------|----------|
| Height adjustable | mm | 710-1150 |
| Total width of support roller | mm | 390 |
| Max. load | kg | 45 |
| Weight | kg | 5 |





Accessories

Roller support for woodworking

Luna. An aid primarily for jointers, planes, circular saws and millers. With ball bearing-mounted roller and heavy-duty stand.

| | | |
|----------------------------|--------------|--------------|
| Art. no. | 20158 | -0107 |
| Height adjustable | mm | 680-1130 |
| Support roller width | mm | 400 |
| Max. load | kg | 80 |
| Weight | kg | 7 |



Luna. Combined revolving sliding rest for planes, circular saws and millers, with pivotable support head (one position with roller, one position with sliding track). Adjustable height locked using a foot pedal.

| | | |
|----------------------------|--------------|--------------|
| Art. no. | 20159 | -0106 |
| Height adjustable | mm | 680-1130 |
| Support roller width | mm | 400 |
| Max. load | kg | 80 |
| Weight | kg | 7 |



Roller table

Luna. Roller table: Universal for work with long and heavy work pieces. Height adjustable with 9 rollers. Fits all machines with table/working heights between 660-1090 mm.

| | | |
|---------------------------------|--------------|--------------|
| Art. no. | 20160 | -0103 |
| Length x width | mm | 1600x460 |
| Height adjustment from/to | mm | 660-1090 |
| RollersØ | mm | 58 |
| No of rollers | ea. | 9 |

Accessories

Cross cutting blades



Luna. Circular saw blades with tungsten carbide teeth. For cross cutting saws.

| Diam. mm | Holes resp. insert mm | Quantity teeth ea. | Cut width/ blade life mm | Tooth grinding | Art. no. |
|-------------|-----------------------------|--------------------------|--------------------------------|-------------------|--------------|
| 400 | 30 | 36 | 3.5/2.5 | Alternately | 20577 |
| 500 | 30 | 44 | 4.0/2.8 | Alternately | -4607 |
| 600 | 30 | 52 | 4.0/3.0 | Alternately | -4805 |
| 650 | 30 | 56 | 4.0/3.0 | Alternately | -4904 |
| 700 | 30/35 | 60 | 4.0/3.0 | Alternately | -5000 |

Hinge drill bits



Luna. Double cutting hard metal - with centre point. Straight shank.

| Art. no. | 20862 | -0104 | -0203 | -0302 |
|---------------------|-------|-------|-------|-------|
| Diameter | mm | 26 | 30 | 35 |
| Shank diameter..... | mm | 8 | 8 | 8 |
| Total length | mm | 60 | 60 | 60 |

Mortise chisels with drill

Luna. From tool steel. Hardened and polished. For drill mortising machines. Gives square hole. Rectangular holes are obtained by repeated chiseling. Straight shank.

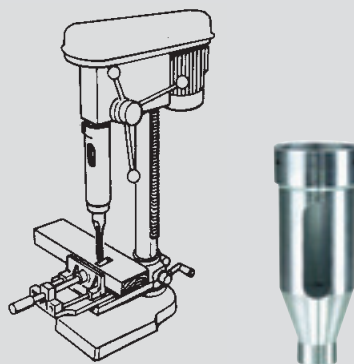


| Size □ mm | Art. no. | Hollow chisels with drill Chisel depth mm | Shank Ø×length mm |
|-----------------|--------------|---|-------------------------|
| | 20551 | | |
| 6.4 | -0100 | 45 | 19×40 |
| 8.0 | -0209 | 60 | 19×40 |
| 9.5 | -0308 | 70 | 19×40 |
| 11.0 | -0407 | 70 | 19×40 |
| 12.7 | -0506 | 80 | 19×40 |
| 14.0 | -0605 | 80 | 19×40 |
| 15.0 | -0704 | 100 | 19×40 |
| 18.0 | -0803 | 135 | 28.5×40 |

Mortise drill adaptor

Luna. For mounting in bench drilling machines with throat Ø 58 or 55-66 mm. The piece of wood must be secured in a machine vice to prevent it following the return stroke.

| Art. no. | 20828 | -0206 |
|---------------------------------|-------|-------------|
| For connection to | | bench drill |
| Connection diameter | mm | Ø 58, 55-66 |
| For hollow chisel shank Ø | mm | 19 |



Accessories

Bits for wood

Slot mortising bits

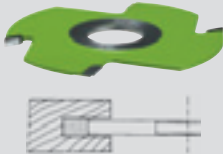
Luna. Made of tool steel. With two straight blades Polished. Cylindrical drive length 50 mm. (High-speed steel can be supplied on special order.)



| | | | | | | | |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no..... | 20867 | -0109 | -0208 | -0307 | -0406 | -0505 | -0604 |
| Diameter..... | mm | 6 | 6 | 8 | 8 | 10 | 10 |
| Thread..... | | Right | Left | Right | Left | Right | Left |
| Cutting length..... | mm | | 35 | | 45 | | 50 |
| Total length..... | mm | | 105 | | 115 | | 125 |
| Shank diameter..... | mm | | 13 | | 13 | | 13 |
| Art. no..... | 20867 | -0703 | -0802 | -0901 | -1008 | -1107 | -1206 |
| Diameter..... | mm | 12 | 12 | 14 | 14 | 16 | 16 |
| Thread..... | | Right | Left | Right | Left | Right | Left |
| Cutting length..... | mm | | 60 | | 70 | | 75 |
| Total length..... | mm | | 135 | | 145 | | 155 |
| Shank diameter..... | mm | | 13 | | 13 | | 13 |

Slot cutters

Luna. Tungsten carbide with pilot. For groove milling, smaller channels, straight dovetailing (with several bit sand spacer rings) smaller dowels and slots.



| | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no..... | 20686 | -0108 | -0207 | -0306 | -0405 | -0504 |
| Cutting width..... | mm | 4 | 6 | 8 | 10 | 12 |
| Outside diameter..... | mm | 120 | 120 | 120 | 120 | 120 |
| Hole diameter..... | mm | 30 | 30 | 30 | 30 | 30 |
| Max. speed..... | rpm | 10000 | 10000 | 10000 | 10000 | 10000 |

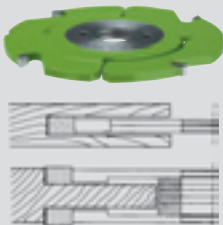


Luna. Adjustable, double cutting miller with hard metal blade. Adjustable with spacer rings (2 + 2 blade).

| | | |
|-------------------------------|--------------|--------------|
| Art. no..... | 20688 | -0106 |
| Adjustable cutting width..... | mm | 4-8 |
| Outside diameter..... | mm | 120 |
| Hole diameter..... | mm | 30 |
| Max. speed..... | rpm | 10000 |

Slot and shank end cutter sets

Luna. Hard metal. Two blade set of slot and dowel tool (2 + 2 blade). The set consists of two bits which have adjustable slot width of 8-16 mm through associate spacer rings. When milling dowels, the bits are used and spaced with spacer rings for a dowel width of between 8-16 mm.



| | | | |
|------------------------|--------------|--------------|--------------|
| Art. no..... | 20698 | -0104 | -0203 |
| Outside diameter..... | mm | 160 | 200 |
| Cutting width..... | mm | 8-16 | 8-16 |
| Max. dowel length..... | mm | 45 | 65 |
| Hole diameter..... | mm | 30 | 30 |
| Max. speed..... | rpm | 8000 | 7000 |

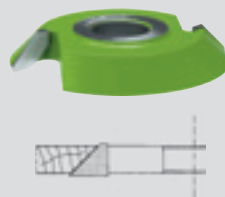
Accessories

Bits for wood

Phase cutters

Luna. Double edged tungsten carbide mills with 45° angle. For bevelling straight and curved working objects. Can be combined with 90 mm copying ring.

| Art. no. | 20685 | -0109 |
|------------------------|-------|-------|
| Cutting width | mm | 15 |
| Angle | | 45° |
| Outside diameter | mm | 120 |
| Hole diameter | mm | 30 |
| Max. speed | rpm | 10000 |



Radius cutters

Luna. Double cutting hard metal blades. For truing straight and curved working objects. Can be combined with 80 or 90 mm copying ring .

| Art. no. | 20689 | -0105 | -0204 |
|------------------------|-------|-------|-------|
| Radius | mm | 5 | 10 |
| Outside diameter | mm | 100 | 110 |
| Hole diameter | mm | 30 | 30 |
| Max. speed | rpm | 12000 | 12000 |



Contra profile cutter set

Luna. With hard metal edge. For hatch and door milling. Thanks to the design of this tool, you don't need to use space rings. The tool can cut the entire extrusion. This means that pin length and slot depth are always correct without adjustment. The miller spindle does not need to be height adjusted when milling the pin section or length section. These dimensions are built into the tool.

| Art. no. | 20690 | -0102 |
|------------------------------|-------|---------|
| Outside diameter | mm | 116 |
| Shaft length | mm | 13 |
| Tapp thickness | mm | 5 |
| For material thickness | mm | 18.5-22 |
| Hole diameter | mm | 30 |
| Max. speed | rpm | 10000 |



Door cutter set



Luna. With hard metal edge. Milling set for milling both friezes and contra profiles. The tool makes it possible to manufacture shutters and doors. When milling contra profiles for doors, an adjustable grooving cutter is also necessary for milling the groove for the dowel.

| Art. no. | 20691 | -0101 |
|-------------------------|-------|-------|
| Outside diameter | mm | 160 |
| Form cutter width | mm | 17 |
| Slot cutter width | mm | 5 + 5 |
| Hole diameter | mm | 30 |
| Max. speed | rpm | 8000 |



Door panel cutters

Luna. Double cutting hard metal miller. For milling friezes on door panels.

| Art. no. | 20687 | -0107 | -0206 |
|---------------------------|-------|-------|-------|
| Outside diameter | mm | 160 | 160 |
| Radius | mm | 8 | - |
| Max. cutting length | mm | 55 | 55 |
| Incline | | 5° | 5° |
| Hole diameter | mm | 30 | 30 |
| Max. speed | rpm | 8000 | 8000 |





Accessories

Bits for wood

Spacer rings

Luna. Used as spacers to obtain the right slot width for work with millers, milling combinations and slitters.

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20855 | -0103 | -0202 | -0301 | -0400 |
| Diam.xhole | mm | 58x30 | 58x30 | 58x30 | 58x30 |
| Thickness | mm | 0.1 | 0.2 | 0.5 | 1.0 |
| Art. no. | 20855 | -0509 | -0608 | -0707 | -0806 |
| Diam.xhole | mm | 58x30 | 58x30 | 58x30 | 58x30 |
| Thickness | mm | 2.0 | 5.0 | 10.0 | 20.0 |



12002

20851

Profiling rings (template rings)

Luna. Ball bearings. Complemented with exchangeable profiling rings in various diameters. Intended for milling with templates. Also set of 5 profiling rings (and one ball bearing) in different sizes.

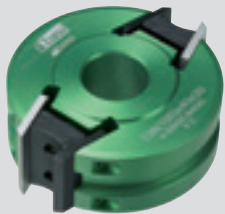
| | | | | | | | | | | | |
|-------------------------------|--------------|-------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Ball bearing | 12002 | -0102 | | | | | | | | | |
| Outside diameter..... | mm | 55 | | | | | | | | | |
| Inside diameter | mm | 30 | | | | | | | | | |
| Profiling rings | 20851 | -0305 | -0404 | -0503 | -0602 | -0701 | -0800 | -0909 | -1006 | -1105 | -1204 |
| Outside diameter..... | mm | 85 | 90 | 93 | 95 | 100 | 105 | 110 | 115 | 120 | 125 |
| Thickness..... | mm | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 | 12 |
| Inside diameter | mm | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| Profiling set, 5 | 20851 | -0107 | | | | | | | | | |
| Outside diameter..... | mm | 85, 90, 93, 95, 100 | | | | | | | | | |
| Profiling set, 5 | 20851 | -0206 | | | | | | | | | |
| Outside diameter..... | mm | 105, 110, 115, 120, 125 | | | | | | | | | |



Universal cutter

Luna. Universal milling cutter of light metal with two guide pins for easy and exact assembly of the profile steel. The cutter is designed for profile steel without deflector and is approved for mechanical feeding (MEC). The cutters can be stacked using the guide pins. Supplied with a pair of rebate cutters and hex-keys.

| | | |
|--|--------------|--------------|
| Art. no. | 20500 | -0102 |
| Cutter diameter without/with steel | mm | 88/93 |
| Blade cutting width | mm | 40 |
| Hole diameter..... | mm | 30 |



Cutter (MAN)

Universal cutter sets

Luna. Universal milling cutter of light metal with deflector. The form bit is fitted on the guide pin, this takes place with a pair of cutters and a pair of deflectors. The cutter is approved for manual feeding. The cutter set is supplied in storage box with the milling cutter including rebate bit, joint gluing bit, grooving mill 6 mm, tonguing bit 6 mm, round nose bit, cornice bit, counter-contour bit as well as deflector (bit no. 00, 16, 17, 22, 77, 97, 100).



| | | |
|--------------------------|--------------|--------------|
| Art. no. | 20582 | -0103 |
| Cutter diameter..... | mm | 112 |
| Blade cutter width | mm | 40 |
| Hole diameter | mm | 30 |
| Suitable speed | rpm | 5800-9000 |

Accessories

Profile knives

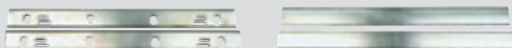


Luna. Profile tool steel of hardened carbon steel with a height of 40 mm and thickness of 4 mm. Steel blank profile 4x40 is an unground blank that permits a 40 mm high and 15 mm deep profiles. The deflector tool steel (S) is an approx 1 mm shallower steel pair that sit backward facing in the cutter (for the cutter marked MAN). This deflector tool steel reduces the risk of ripping and kickback. The cutter MAN is approved for manual feeding. All tool steel supplied in pairs.

| Profile No | Spare profile steel Art. no. 20501 | Profile No | Deflector steel Art. no. 20945 | Profile No | Spare profile steel Art. no. 20501 | Profile No | Deflector steel Art. no. 20945 |
|---------------|---|---------------|---|---------------|---|---------------|---|
| 4x40 | -0101 | 4x40S | -0105 | 43 | -2404 | 43S | -2408 |
| 00 | -0200 | 00S | -0204 | 48 | -2503 | 48S | -2507 |
| 01 | -0309 | 01S | -0303 | 52 | -2602 | 52S | -2606 |
| 03 | -0408 | 03S | -0402 | 65 | -2701 | 65S | -2705 |
| 04 | -0507 | 04S | -0501 | 66 | -2800 | 66S | -2804 |
| 05 | -0606 | 05S | -0600 | 70 | -2909 | 70S | -2903 |
| 08 | -0705 | 08S | -0709 | 74 | -3006 | 74S | -3000 |
| 09 | -0804 | 09S | -0808 | 75 | -3105 | 75S | -3109 |
| 11 | -0903 | 11S | -0907 | 76 | -3204 | 76S | -3208 |
| 13 | -1000 | 13S | -1004 | 77 | -3303 | 77S | -3307 |
| 14 | -1109 | 14S | -1103 | 80 | -3402 | 80S | -3406 |
| 15 | -1208 | 15S | -1202 | 81 | -3501 | 81S | -3505 |
| 16 | -1307 | 16S | -1301 | 82 | -3600 | 82S | -3604 |
| 17 | -1406 | 17S | -1400 | 87 | -3709 | 87S | -3703 |
| 19 | -1505 | 19S | -1509 | | | | |
| 20 | -1604 | 20S | -1608 | 96 | -3808 | 96S | -3802 |
| 21 | -1703 | 21S | -1707 | 97 | -3907 | 97S | -3901 |
| 22 | -1802 | 22S | -1806 | 98 | -4004 | 98S | -4008 |
| 24 | -1901 | 24S | -1905 | 99 | -4103 | 99S | -4107 |
| 25 | -2008 | 25S | -2002 | 100 | -4202 | 100S | -4206 |
| 28 | -2107 | 28S | -2101 | 112 | -4301 | 112S | -4305 |
| 29 | -2206 | 29S | -2200 | 124 | -4400 | 124S | -4404 |
| 31 | -2305 | 31S | -2309 | Set 1 | -4509 | Set 1S | -4503 |

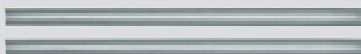
Accessories

Planer knives



Luna. High-speed steel or hard metal plane steel for direct fitting to stationary planes.

| Fits | Length | Width | Thick-ness | High-speed steel | | Tungsten carbide | |
|--|--------|-------|------------|------------------|---------------------|------------------|---------------------|
| | | | | Art. no. | Quantity steel /set | Art. no. | Quantity steel /set |
| machine type | mm | mm | mm | 20913 | | 20913 | |
| Luna Z 40 | 155 | 16 | 3 | -0103 | 2 | -2703 | 2 |
| Emco Star 3000 | 180 | 20 | 2,5 | -0202 | 2 | -2802 | 2 |
| Luna Z 50 | 210 | 19 | 3 | -0301 | 3 | -2901 | 3 |
| Luna W 59, L38-250 | 250 | 25 | 3 | -0400 | 2 | -3008 | 2 |
| Proffy BHM 260, Ferax FHM 260 | 250 | 30 | 3 | -0459 | 3 | -3057 | 3 |
| Emco Woodworker MH26/Emco King | 260 | 25 | 3 | -0509 | 2 | -3107 | 2 |
| Emco 2000, B 20, 6231 K | 260 | 25 | 3 | -0509 | 2 | -3107 | 2 |
| Inca 343.190 | 260 | 25 | 3 | -0509 | 2 | -3107 | 2 |
| Luna BPT 260S, C 26 Genius | 260 | 25 | 3 | -0517 | 3 | -3115 | 3 |
| Lab 260 | 260 | 30 | 3 | -1002 | 3 | -3602 | 3 |
| Emco Woodworker MH30/B 30 | 300 | 25 | 3 | -0608 | 2 | -3206 | 2 |
| Luna KRP-30 | 300 | 25 | 3 | -0707 | 3 | -3305 | 3 |
| Luna K-30, Mini Max FS 30, Lab 30, Lab 300 N, CU 300K | 300 | 30 | 3 | -0806 | 3 | -3404 | 3 |
| Proffy WHM 310 / Luna BPT 310 S | 310 | 25 | 3 | -0855 | 3 | -3453 | 3 |
| Proffy BHM 310, Ferax FHM 310 | 310 | 30 | 3 | -0905 | 4 | -3503 | 4 |
| Luna W 64, H 31, L 38/310 | 310 | 30 | 3 | -1101 | 2 | -3701 | 2 |
| L 38/310 | 310 | 30 | 3 | -1200 | 3 | - | - |
| Luna KRP -35, Mini Max FS 350, Mini Max CU 350 K | 350 | 30 | 3 | -1309 | 3 | -3909 | 3 |
| Luna KRP -40, Luna PH-40 | 400 | 30 | 3 | -1408 | 3 | -4006 | 3 |
| Luna BPT 410S | 410 | 25 | 3 | -1416 | 3 | -4014 | 3 |
| Luna KRP-41 | 410 | 30 | 3 | -1507 | 3 | -4105 | 3 |
| Luna W 69, L 39 | 410 | 30 | 3 | -1606 | 2 | -4204 | 2 |
| Top Master FS 410 | 410 | 30 | 3 | -1705 | 4 | -4303 | 4 |
| Mini Max FS41/CU 410 K | 410 | 30 | 3 | -1804 | 4 | -4402 | 4 |
| Formula F 1 | 410 | 35 | 3 | -1903 | 4 | -4501 | 4 |
| Luna RH/PH-50 | 500 | 35 | 3 | -2000 | 4 | -4600 | 4 |
| Top Master FS 515 | 515 | 30 | 3 | -2109 | 4 | -4709 | 4 |
| Formula SP 1 | 520 | 35 | 3 | -2208 | 4 | -4808 | 4 |
| Top Master DT 530 | 530 | 30 | 3 | -2307 | 4 | -4907 | 4 |
| Luna RH 53 | 530 | 35 | 3 | -2406 | 4 | -5003 | 4 |
| Top Master AD/PS | 630 | 30 | 3 | -2502 | 4 | -5102 | 4 |
| Luna PH 63 | 630 | 35 | 3 | -2604 | 4 | -5201 | 4 |



Reversible

Planing bits

Luna. Suitable for stationary plane machines

| Fits | Length | High-speed steel | |
|-----------------------------------|--------|-----------------------------|----------------|
| | | Alloyed tool steel Art. no. | Art. no. 20162 |
| machine type | mm | | |
| Woody HM 160 | 160 | 20162-0101 | -0200 |
| Luna BPT 260A | 260 | 20556-0709 | - |
| *) Emco Woodworker MH26/Emco King | 260 | 20162-0507 | - |
| Proffy HM 280 | 280 | 20911-0105 | -0804 |

Accessories

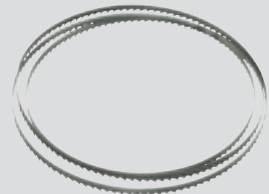
Band saw blades

For wood

Luna. Thin. Extra quality with profile-ground teeth. **Hardened tooth points.** Special profile for work in soft metals, particle boards, plastic, laminate, beech, oak and other hard wood species. From toughened band steel. Supplied directional and ready joined. The setting is of the left-right type.



| Length mm | Series | 6 mm wide x 0.36 mm 4 mm tooth pitch <i>Art. no.</i> <i>20957</i> | 10 mm wide x 0.36 mm 4 mm tooth pitch <i>Art. no.</i> <i>20957</i> | 16 mm wide x 0.36 mm 4 mm tooth pitch <i>Art. no.</i> <i>20957</i> |
|--------------|--------|---|--|--|
| 1350 | 61P | -0100 | -1207 | -2254 |
| 1430 | 81P | -0209 | -1306 | - |
| 1500 | 62P | -0308 | -1405 | -2304 |
| 1780 | 64P | -0407 | -1504 | -2403 |
| 1815 | - | -0506 | -1603 | - |
| 1840 | - | -0605 | -1702 | -2502 |
| 1870 | 65P | -0704 | -1801 | -2601 |
| 2120 | 70P | -0803 | -1900 | -2700 |
| 2225 | - | -0902 | -2007 | -2809 |
| 2240 | - | -1009 | -2106 | -2908 |
| 2296 | - | -1108 | -2205 | -3005 |



Luna. Hardened tooth points bandsaw blade for bandsaws and portable sawmill.

| Length mm | Thickness mm | Tooth pitch mm | 31 mm wide | | 38 mm wide | | 51 mm wide | |
|--------------|-----------------|----------------------|---------------------------------|--------------|---------------------------------|--------------|---------------------------------|--------------|
| | | | <i>Art. no.</i> <i>20864</i> | Pack. qty | <i>Art. no.</i> <i>20864</i> | Pack. qty | <i>Art. no.</i> <i>20864</i> | Pack. qty |
| 2760 | 1.06 | 19 | -0102 | 5* | - | - | - | - |
| 3280 | 1.06 | 22 | - | - | -0201 | 5* | - | - |
| 4000 | 1.06 | 22 | - | - | -0300 | 5* | - | - |
| 4100 | 1.06 | 22 | -0128 | 1 | - | - | - | - |
| 4250 | 1.06 | 22 | - | - | -0409 | 5* | - | - |
| 4520 | 1.06 | 22 | - | - | -0508 | 5* | - | - |
| 4590 | 1.06 | 22 | -0144 | 1 | - | - | - | - |
| 4760 | 1.06 | 22 | - | - | -0607 | 5* | - | - |
| 5020 | 1.06 | 22 | -0169 | 1 | - | - | - | - |
| 5030 | 1.06 | 22 | - | - | -0706 | 5* | - | - |
| 5070 | 1.06 | 25 | - | - | - | - | -0805 | 5* |
| 5700 | 1.06 | 25 | -0185 | 1 | - | - | - | - |

*) Only unopened pack.



Accessories

Band saw blades

For wood

Luna. Hardened tooth points bandsaw blade for solid wood yet also for lighter work in soft metals, chipboard, plastic, laminate, beech, oak and other hard woods. Supplied aligned, ready joined and set. Other dimensions available on request. NOTE: minimum quantity 3 per dim.

Bandsaw blades with bigger width see page 429.

| Length | Thickness | Tooth pitch | 4 mm wide | 6 mm wide | 10 mm wide |
|--------|-----------|-------------|-------------------|-------------------|-------------------|
| mm | mm | mm | Art. no. 20998 | Art. no. 20998 | Art. no. 20998 |
| 1350 | 0.36 | 4.0 | - | -0259 | -1174 |
| 1400 | 0.36 | 4.0 | - | -0275 | -1208 |
| 1430 | 0.65 | 1.8 | -0101 | - | - |
| 1500 | 0.36 | 4.0 | - | -0309 | -1224 |
| 1500 | 0.65 | 1.8 | -0127 | - | - |
| 1510 | 0.36 | 4.0 | - | -0325 | -1257 |
| 1650 | 0.36 | 4.0 | - | -0358 | -1273 |
| 1710 | 0.36 | 4.0 | - | -0374 | -1307 |
| 1815 | 0.36 | 4.0 | - | -0408 | -1323 |
| 1870 | 0.36 | 4.0 | - | -0424 | -1356 |
| 1870 | 0.65 | 1.8 | -0150 | - | - |
| 1900 | 0.36 | 4.0 | - | -0457 | -1372 |
| 2000 | 0.36 | 4.0 | - | -0473 | -1406 |
| 2100 | 0.36 | 4.0 | - | -0507 | -1422 |
| 2120 | 0.36 | 4.0 | -0176 | -0523 | -1455 |
| 2170 | 0.36 | 4.0 | - | -0556 | -1471 |
| 2121 | 0.65 | 1.8 | - | - | - |
| 2190 | 0.65 | 1.8 | -0200 | - | - |
| 2190 | 0.63 | 6.0 | - | -0572 | -1505 |
| 2240 | 0.63 | 6.0 | - | -0606 | -1521 |
| 2296 | 0.36 | 4.0 | - | -0622 | -1554 |
| 2360 | 0.63 | 6.0 | - | -0655 | -1570 |
| 2370 | 0.63 | 6.0 | - | -0663 | -1596 |
| 2470 | 0.63 | 6.0 | - | -0671 | -1604 |
| 2490 | 0.63 | 6.0 | - | -0705 | -1620 |
| 2630 | 0.63 | 6.0 | - | -0713 | -1638 |
| 2650 | 0.36 | 4.0 | - | -0721 | -1653 |
| 2650 | 0.65 | 1.8 | -0226 | - | - |
| 2810 | 0.63 | 6.0 | - | -0754 | -1679 |
| 2950 | 0.63 | 6.0 | - | -0770 | -1703 |
| 3090 | 0.63 | 6.0 | - | -0804 | -1729 |
| 3150 | 0.63 | 6.0 | - | -0820 | -1752 |
| 3350 | 0.63 | 6.0 | - | -0853 | -1778 |
| 3360 | 0.63 | 6.0 | - | -0879 | -1802 |
| 3410 | 0.63 | 6.0 | - | -0903 | -1828 |
| 3500 | 0.63 | 6.0 | - | -0911 | -1836 |
| 3607 | 0.63 | 6.0 | - | -0920 | -1844 |
| 3634 | 0.63 | 6.0 | - | -0929 | -1851 |
| 3650 | 0.63 | 6.0 | - | -0952 | -1877 |
| 3720 | 0.63 | 6.0 | - | -0978 | -1901 |
| 3900 | 0.63 | 6.0 | - | -1000 | -1927 |
| 4000 | 0.63 | 6.0 | - | -1026 | -1950 |
| 4100 | 0.63 | 6.0 | - | -1059 | -1976 |
| 4240 | 0.63 | 6.0 | - | -1075 | -2008 |
| 4590 | 0.63 | 6.0 | - | -1109 | -2024 |
| 4800 | 0.63 | 6.0 | - | -1125 | -2057 |
| 5020 | 0.63 | 6.0 | - | -1158 | -2073 |
| 5700 | 0.63 | 6.0 | - | - | -2107 |

Accessories

Band saw blades

For wood

Luna. Hardened tooth points bandsaw blade for solid wood yet also for lighter work in soft metals, chipboard, plastic, laminate, beech, oak and other hard woods. Supplied aligned, ready joined and set. Other dimensions available on request. NOTE: minimum quantity 3 per dim.



| Length | Thickness | Tooth pitch | 16 mm wide | 19 mm wide | 25 mm wide |
|--------|-----------|-------------|-------------------|-------------------|-------------------|
| mm | mm | mm | Art. no. 20998 | Art. no. 20998 | Art. no. 20998 |
| 1350 | 0.36 | 4.0 | -2123 | - | - |
| 1500 | 0.36 | 4.0 | -2156 | - | - |
| 1650 | 0.36 | 4.0 | -2172 | - | - |
| 1710 | 0.36 | 4.0 | -2206 | - | - |
| 1870 | 0.36 | 4.0 | -2222 | - | - |
| 1900 | 0.36 | 4.0 | -2255 | - | - |
| 2000 | 0.36 | 4.0 | -2271 | - | - |
| 2100 | 0.36 | 4.0 | -2305 | - | - |
| 2120 | 0.36 | 4.0 | -2321 | - | - |
| 2170 | 0.36 | 4.0 | -2354 | - | - |
| 2190 | 0.63 | 6.0 | -2370 | - | - |
| 2240 | 0.81 | 6.0 | -2404 | - | - |
| 2296 | 0.36 | 4.0 | -2420 | - | - |
| 2360 | 0.81 | 6.0 | -2453 | - | - |
| 2370 | 0.81 | 6.0 | -2495 | - | - |
| 2470 | 0.81 | 6.0 | -2479 | - | - |
| 2630 | 0.81 | 6.0 | -2511 | -2990 | - |
| 2490 | 0.81 | 6.0 | -2503 | - | - |
| 2650 | 0.81 | 6.0 | - | -3006 | - |
| 2650 | 0.36 | 4.0 | -2529 | - | - |
| 2810 | 0.81 | 6.0 | -2552 | - | - |
| 2950 | 0.81 | 6.0 | -2578 | - | - |
| 3090 | 0.81 | 6.0 | -2602 | - | - |
| 3150 | 0.81 | 6.0 | -2628 | - | - |
| 3350 | 0.81 | 6.0 | -2651 | - | - |
| 3360 | 0.81 | 6.0 | -2677 | -3022 | - |
| 3410 | 0.81 | 6.0 | -2701 | - | - |
| 3607 | 0.81 | 6.0 | -2719 | -3030 | - |
| 3634 | 0.81 | 6.0 | -2727 | -3055 | - |
| 3500 | 0.81 | 6.0 | -2735 | -3063 | - |
| 3650 | 0.81 | 6.0 | -2750 | -3071 | - |
| 3720 | 0.81 | 6.0 | -2776 | -3105 | - |
| 3900 | 0.81 | 6.0 | -2800 | -3121 | -3329 |
| 4000 | 0.81 | 6.0 | -2826 | -3154 | - |
| 4100 | 0.81 | 6.0 | -2859 | -3170 | - |
| 4240 | 0.81 | 6.0 | -2875 | -3204 | - |
| 4590 | 0.81 | 6.0 | -2909 | -3221 | - |
| 4800 | 0.81 | 6.0 | -2925 | -3253 | -3352 |
| 5020 | 0.81 | 6.0 | -2958 | -3279 | - |
| 5700 | 0.81 | 6.0 | -2974 | -3303 | - |

Power tools accessories

A vital part of the new Luna product brand are accessories for power tools. A range comprising of close to 200 products including drills, router bits, millers, saw blades, cutting and grinding material, steel brushes, drill chucks and bits.

The products come in protective packaging, individual or as a set, with clear symbols for safe use and the best possible result.



| Contents | Page |
|---------------------------|------|
| Drills..... | 432 |
| Router bits..... | 444 |
| Saw blades..... | 452 |
| Abrasives..... | 457 |
| Drill chucks..... | 463 |
| Bit holders and bits..... | 464 |



Luma
HW

Twist drills

Short



Luna. HSS. Helix pitch 28°. Point angle 118°. Centre point for improved position accuracy. Vapour treated.

| Art. no. | Dia-meter | Overall length | Flute length | Quantity drill per SB-box | Quantity cards per pack. | Art. no. | Dia-meter | Overall length | Flute length | Quantity drill per SB-box | Quantity cards per pack. |
|--------------|-----------|----------------|--------------|---------------------------|--------------------------|--------------|-----------|----------------|--------------|---------------------------|--------------------------|
| 20931 | mm | mm | mm | | | 20931 | mm | mm | mm | | |
| -0101 | 1 | 34 | 12 | 2 | 5 | -1307 | 6 | 93 | 57 | 1 | 5 |
| -0200 | 1.5 | 40 | 18 | 2 | 5 | -1406 | 6.5 | 101 | 63 | 1 | 5 |
| -0309 | 2 | 49 | 24 | 2 | 5 | -1505 | 6.8 | 109 | 69 | 1 | 5 |
| -0408 | 2.5 | 57 | 30 | 2 | 5 | -1604 | 7 | 109 | 69 | 1 | 5 |
| -0507 | 3 | 61 | 33 | 2 | 5 | -1703 | 7.5 | 109 | 69 | 1 | 5 |
| -0606 | 3.3 | 65 | 36 | 2 | 5 | -1802 | 8 | 117 | 75 | 1 | 5 |
| -0705 | 3.5 | 70 | 39 | 2 | 5 | -1901 | 8.5 | 117 | 75 | 1 | 5 |
| -0804 | 4 | 75 | 43 | 2 | 5 | -2008 | 9 | 125 | 81 | 1 | 5 |
| -0903 | 4.2 | 75 | 43 | 1 | 5 | -2107 | 9.5 | 125 | 81 | 1 | 5 |
| -1000 | 4.5 | 80 | 47 | 1 | 5 | -2206 | 10 | 133 | 87 | 1 | 5 |
| -1109 | 5 | 86 | 52 | 1 | 5 | -2305 | 11 | 142 | 94 | 1 | 5 |
| -1208 | 5.5 | 93 | 57 | 1 | 5 | -2404 | 12 | 151 | 101 | 1 | 5 |
| | | | | | | -2503 | 13 | 151 | 101 | 1 | 5 |

With hexagonal drive



Luna. HSS. Twist drill with 1/4" hex-shank. Fit in 1/4" quick chuck for rapid change.

| Art. no. | 20170 | -0101 | -0200 | -0309 | -0408 | -0507 |
|-----------------------|-------|-------|-------|-------|-------|-------|
| Diameter | mm | 2 | 2.5 | 3 | 4 | 5 |
| Shank \square | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Total length | mm | 70 | 78 | 82 | 96 | 107 |
| Pack. | qty | 5 | 5 | 5 | 5 | 5 |

Short - machined shank



Luna. With machined straight shank. HSS. Helix pitch 28°. Point angle 118°. Vapour treated.

| Art. no. | Dia-meter | Overall length | Flute length | Cyl. drive | Pack. |
|--------------|-----------|----------------|--------------|------------|-------|
| 20512 | mm | mm | mm | mm | qty |
| -0108 | 10.5 | 133 | 87 | 10 | 5 |
| -0207 | 11 | 142 | 94 | 10 | 5 |
| -0306 | 11.5 | 142 | 94 | 10 | 5 |
| -0405 | 12 | 151 | 101 | 10 | 5 |
| -0504 | 12.5 | 151 | 101 | 10 | 5 |
| -0603 | 13 | 151 | 101 | 10 | 5 |
| -0702 | 13.5 | 160 | 108 | 10 | 5 |
| -0801 | 14 | 160 | 108 | 10 | 5 |
| -0900 | 14.5 | 169 | 114 | 10 | 5 |
| -1007 | 15 | 169 | 114 | 10 | 5 |
| -1106 | 15.5 | 178 | 120 | 10 | 5 |
| -1205 | 16 | 178 | 120 | 10 | 5 |
| -1304 | 16.5 | 184 | 125 | 13 | 5 |
| -1403 | 17 | 184 | 125 | 13 | 5 |
| -1502 | 17.5 | 191 | 130 | 13 | 5 |
| -1601 | 18 | 191 | 130 | 13 | 5 |
| -1700 | 18.5 | 198 | 135 | 13 | 5 |
| -1809 | 19 | 198 | 135 | 13 | 5 |
| -1908 | 19.5 | 205 | 140 | 13 | 5 |
| -2005 | 20 | 205 | 140 | 13 | 5 |

Drill sets

With wood, metal and concrete drills

Luna. Combi-Box. Twist drills for metal, concrete and wood. The drills have the same diameters in the three different series. Plastic cassette with twist top to set to the required dimension according to a graduated scale. One drill can be taken out per setting.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20873 | -0101 |
| No. of drills..... | ea. | 18 |
| Dimensions..... | mm | 3 4 5 6 8 10 |
| Pack..... | sts | 16 |



Including high speed steel drill bits

Luna. Maxi-Box. Twist drills HSS. Plastic cassette with twist top to set to the required dimension according to a graduated scale. One drill can be taken out per setting.

| | | |
|-----------------------------------|--------------|--------------|
| Art. no. | 20954 | -0103 |
| No. of drills..... | ea. | 19 |
| Dimensions (0.5 mm interval)..... | mm | 1-10 |
| Pack..... | sts | 16 |

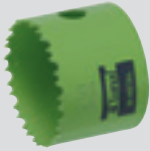


Luna. 23 parts drill set HSS. Supplied in plastic case. The set contains the following sizes:
1, 1.5, 2, 2.5, 3, 3.2, 3.3, 3.5, 4, 4.2, 4.5, 4.8, 5, 5.5, 6, 6.5, 7, 7.5, 8, 8.5, 9, 9.5, 10 mm.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 20142 | -0106 |
| Contains no. of drills..... | ea | 23 |
| Pack..... | qty | 5 |



Power tool accessories



Hole saws

For metal

Luna. Holesaws. Bi-metal. High-grade high speed steel teeth, ductile tool steel on the blade backing. Holesaw with variable toothting gives a rapid cutting process and good chip removal. Saw depth 41 mm. Used with separate holder.

Arbor see 20116 this page.

| | | | | | | | | | | | | | |
|----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20115 | -0109 | -0208 | -0307 | -0406 | -0505 | -0604 | -0703 | -0802 | -0901 | -1008 | -1107 | -1206 |
| Diameter .. | mm | 14 | 16 | 17 | 19 | 20 | 21 | 22 | 24 | 25 | 27 | 29 | 30 |
| Diameter .. | inch | 9/16 | 5/8 | 11/16 | 3/4 | 25/32 | 13/16 | 7/8 | 15/16 | 1 | 1 1/16 | 1 1/8 | 1 3/16 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 20115 | -1305 | -1404 | -1503 | -1552 | -1602 | -1701 | -1800 | -1909 | -2006 | -2055 | -2105 | -2204 |
| Diameter .. | mm | 32 | 33 | 35 | 37 | 38 | 40 | 41 | 43 | 44 | 46 | 48 | 51 |
| Diameter .. | inch | 1 1/4 | 1 5/16 | 1 3/8 | 1 7/16 | 1 1/2 | 1 9/16 | 1 5/8 | 1 11/16 | 1 3/4 | 1 13/16 | 1 7/8 | 2 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 20115 | -2303 | -2402 | -2451 | -2501 | -2550 | -2600 | -2709 | -2808 | -2907 | -3004 | -3103 | -3202 |
| Diameter .. | mm | 52 | 54 | 56 | 57 | 59 | 60 | 64 | 65 | 67 | 70 | 73 | 76 |
| Diameter .. | inch | 2 1/16 | 2 1/8 | 2 3/16 | 2 1/4 | 2 5/16 | 2 3/8 | 2 1/2 | 2 9/16 | 2 5/8 | 2 3/4 | 2 7/8 | 3 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Art. no. | 20115 | -3301 | -3400 | -3509 | -3608 | -3707 | -3806 | -3855 | -3905 | -4002 | -4101 | -4200 | -4309 |
| Diameter .. | mm | 79 | 83 | 86 | 89 | 92 | 95 | 98 | 102 | 105 | 108 | 111 | 114 |
| Diameter .. | inch | 3 1/8 | 3 1/4 | 3 3/8 | 3 1/2 | 3 5/8 | 3 3/4 | 3 7/8 | 4 | 4 1/8 | 4 1/4 | 4 3/8 | 4 1/2 |
| Pack. | qty | 10 | 10 | 1 | 1 | 1 | 1 | 10 | 1 | 1 | 1 | 1 | 1 |
| Art. no. | 20115 | -4408 | -4507 | -4606 | -4705 | -4804 | -4903 | -5009 | -5108 | -5207 | | | |
| Diameter .. | mm | 121 | 127 | 133 | 140 | 152 | 160 | 168 | 177 | 210 | | | |
| Diameter .. | inch | 4 3/4 | 5 | 5 1/4 | 5 1/2 | 6 | 6 5/16 | 6 5/8 | 6 31/32 | 8 9/32 | | | |
| Pack. | qty | 1 | 1 | 1 | 1 | 10 | 10 | 10 | 10 | 10 | | | |

LunaBrand



Luna. Holesaw sets with holesaws of Bi-metal and arbor. High-grade high speed steel teeth, ductile tool steel on the blade backing. The holesaws feature variable toothting which gives a rapid cutting process and good chip removal. Saw depth 41 mm.

| | | | |
|-------------------------|--------------|-----------------|--|
| Art. no. | 20040 | -0109 | -0208 |
| Holesaw diameters | mm | 51 57 76 86 114 | 16 19 22 25 32 35 38 44 51 57 64 76 |
| Holder | No | L 10 | L 1 and L 10 |
| Pack. | qty | 10 | 10 |



20116-0108

Luna. Holder for bimetal holesaws.

Holder no L 1 with threaded holder and hexagonal shaft.

Holder L 2 and L 10 With hexagonal shaft and threaded holder with lock nut that locks together the holder and holesaw. Reduces vibrations and extends the life of the holesaw.



20116-0207

| For holesaws mm | For holesaws inch | Shank diam. mm | Drill diam. mm | Body diam. mm | Luna No | Art. no. 20116 |
|-----------------|-------------------|----------------|----------------|---------------|---------|----------------|
| 14-30 | 9/16-1 1/16 | 8.75 | 6.35 | 19 | L 1 | -0108 |
| 32-210 | 1 1/4-8 9/32 | 8.75 | 6.35 | 37 | L 10 | -0207 |
| 32-210 | 1 1/4-8 9/32 | 11.0 | 6.35 | 37 | L 2 | -0306 |



20116-0306

HSS-drill 6.35 x 80 mm. **20116** **-0405**

Extension 300 mm for holesaws 14-30 mm, 8.75 mm. **20116** **-0603**

Pack. qty 10

Extension 300 mm for holesaws 32-210 mm, 11.0 mm. **20116** **-0504**

Pack. qty 10

Tile drills

Luna. Drill with four-fluted tungsten carbide tip. For drilling glass, mirrors, bottles, glazed tiles, ceramics and porcelain.



| Art. no. | 20012 | -0103 | -0202 | -0301 | -0350 | -0400 | -0509 | -0608 |
|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diameter . . . | mm | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
| Length | mm | 65 | 68 | 71 | 78 | 80 | 90 | 100 |

Universal drills

Luna. Universal drills with tungsten carbide tips and knurled shank for better grip in the chuck. Recommended for the following materials: glazed tiles, metals, cast iron, wood and plastics.



| Art. no. | 20031 | -0100 | -0209 | -0308 | -0407 | -0506 | -0605 |
|------------------------|-------|-------|-------|-------|-------|-------|-------|
| Diameter | mm | 4 | 5 | 6 | 8 | 10 | 12 |
| Total length | mm | 75 | 80 | 100 | 120 | 120 | 150 |
| Auger length | mm | 40 | 50 | 60 | 80 | 80 | 90 |

Luna. Universal drill sets with tungsten carbide tips and knurled shank for better grip in the chuck. Recommended for the following materials: glazed tiles, metals, cast iron, wood and plastics. Supplied in plastic case.



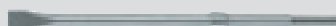
| Art. no. | 20032 | -0109 |
|---------------------------|-------|-------------------|
| No. of drills | ea | 5 |
| Diameters | mm | 4 5 6 8 10 |
| Overall lengths | mm | 75 80 100 120 120 |



Spade chisel



Flat chisel 25 mm



Flat chisel 25 mm RTEC



Ground rod driver



Mortar chisel



Spade chisel 50 mm self-sharpening



Spade chisel 50 mm



Pointed chisel 280 mm



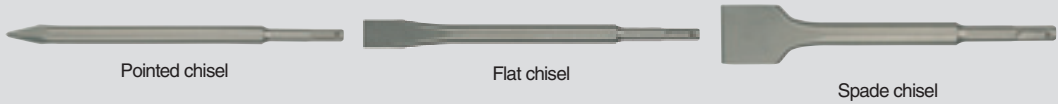
Pointed chisel 400 mm

Luna. Striking tools with **SDS-max shanks**. For working on concrete and other building materials.

| Chisel type | Art. no. 20038 |
|------------------------------------|-------------------|
| Spade chisel 115 mm | -0103 |
| Flat chisel 25 mm | -0202 |
| Flat chisel 25 mm RTEC | -0301 |
| Ground rod driver 16.5 mm | -0400 |
| Mortar chisel 10 mm | -0509 |
| Pointed chisel 400 mm RTEC | -0608 |
| Spade chisel 50 mm self-sharpening | -0707 |
| Spade chisel 50 mm, length 350 mm | -0806 |
| Pointed chisel 400 mm | -0905 |
| Pointed chisel 280 mm | -1002 |

Power tool accessories

Chisel tools



Luna. Striking tools with **SDS+-plus-drive**. For working on concrete and other building materials. Total length 250 mm.

| | | | | |
|-------------------|--------------|----------------|----------------------------|-----------------------------|
| Art. no. | 20684 | -0100 | -0209 | -0308 |
| Chisel type | | Pointed chisel | Flat chisel width 20 mm | Spade chisel width 40 mm |

Adaptor SDS-max - SDS-plus



Luna. Drill holder (adaptor) for drill bits with SDS-plus shank. Machine adapter SDS-max.

| | | |
|-----------------------------------|--------------|--------------|
| Art. no. | 20037 | -0104 |
| For machine with attachment | | SDS-max |
| For drills with shank | | SDS-plus |

Masonry drills

Installation drills



Luna. Twist drills with tungsten-carbide tips for drilling in concrete, natural stone, brick, marble, ceramics etc. For use in standard drilling machines as well as percussion drilling machines.

| Art. no. | Drill-diam. mm | Overall length mm | Twist length mm | Art. no. | Drill-diam. mm | Overall length mm | Twist length mm | Art. no. | Drill-diam. mm | Overall length mm | Twist length mm |
|--------------|----------------|-------------------|-----------------|--------------|----------------|-------------------|-----------------|--------------|----------------|-------------------|-----------------|
| 20683 | | | | 20683 | | | | 20683 | | | |
| -0101 | 3.0 | 60 | 30 | -1604 | 8.0 | 120 | 80 | -3006 | 12.0 | 600 | 300 |
| -0200 | 3.5 | 75 | 40 | -1702 | 8.0 | 200 | 40 | -3105 | 13.0 | 150 | 100 |
| -0309 | 4.0 | 75 | 40 | -1802 | 8.0 | 400 | 250 | -3204 | 14.0 | 150 | 100 |
| -0408 | 4.5 | 85 | 50 | -1901 | 8.0 | 600 | 300 | -3303 | 14.0 | 400 | 200 |
| -0507 | 5.0 | 85 | 50 | -2008 | 8.5 | 120 | 80 | -3402 | 15.0 | 150 | 100 |
| -0606 | 5.0 | 150 | 100 | -2107 | 9.0 | 120 | 80 | -3501 | 16.0 | 150 | 100 |
| -0705 | 5.5 | 85 | 50 | -2206 | 9.5 | 120 | 80 | -3600 | 16.0 | 400 | 200 |
| -0804 | 5.5 | 150 | 100 | -2305 | 10.0 | 120 | 80 | -3709 | 17.0 | 160 | 95 |
| -0903 | 6.0 | 100 | 60 | -2404 | 10.0 | 200 | 140 | -3808 | 18.0 | 160 | 100 |
| -1000 | 6.0 | 150 | 100 | -2503 | 10.0 | 400 | 200 | -3907 | 18.0 | 400 | 200 |
| -1109 | 6.0 | 400 | 200 | -2602 | 10.0 | 600 | 300 | -4004 | 20.0 | 160 | 95 |
| -1208 | 6.0 | 600 | 300 | -2701 | 11.0 | 120 | 100 | -4103 | 20.0 | 400 | 200 |
| -1307 | 6.5 | 100 | 60 | -2800 | 12.0 | 150 | 100 | -4202 | 22.0 | 160 | 95 |
| -1406 | 7.0 | 100 | 60 | -2909 | 12.0 | 400 | 200 | -4301 | 24.0 | 160 | 95 |
| -1505 | 7.5 | 120 | 80 | | | | | | | | |



Luna. Masonry drill set with tungsten-carbide tips for drilling in concrete, natural stone, brick, marble, ceramics etc. For use in standard drilling machines as well as percussion drilling machines. Supplied in plastic case.

| | | |
|-----------------------|--------------|-------------------|
| Art. no. | 20042 | -0107 |
| No. of drills | ea | 5 |
| Diameters | mm | 4 5 6 8 10 |
| Overall lengths | mm | 75 85 100 120 120 |

Masonry drills

Percussion drills

Luna. Percussion drills with SDS-plus-shank. With hard metal blade. For making holes in concrete, granite, brick and other similar building materials.



| <i>Art. no.</i> | Diam. | Overall length | Flute length | Quantity/ packing | <i>Art. no.</i> | Diam. | Overall length | Flute length | Quantity/ packing |
|-----------------|-------|----------------|--------------|----------------------|-----------------|-------|----------------|--------------|----------------------|
| <i>20680</i> | mm | mm | mm | | <i>20680</i> | mm | mm | mm | |
| -0104 | 4.0 | 110 | 50 | 1 | -2506 | 10.0 | 600 | 550 | 1 |
| -0203 | 5.0 | 110 | 50 | 1 | -2605 | 11.0 | 160 | 100 | 1 |
| -0211 | 5.0 | 110 | 50 | 5 | -2704 | 12.0 | 160 | 100 | 1 |
| -0229 | 5.0 | 110 | 50 | 10 | -2712 | 12.0 | 160 | 100 | 5 |
| -0302 | 5.0 | 160 | 100 | 1 | -2720 | 12.0 | 160 | 100 | 10 |
| -0310 | 5.0 | 160 | 100 | 5 | -2803 | 12.0 | 210 | 150 | 1 |
| -0328 | 5.0 | 160 | 100 | 10 | -2811 | 12.0 | 210 | 150 | 5 |
| -0401 | 5.5 | 110 | 50 | 1 | -2829 | 12.0 | 210 | 150 | 10 |
| -0419 | 5.5 | 110 | 50 | 5 | -2902 | 12.0 | 260 | 200 | 1 |
| -0427 | 5.5 | 110 | 50 | 10 | -3009 | 12.0 | 300 | 250 | 1 |
| -0500 | 5.5 | 160 | 100 | 1 | -3108 | 12.0 | 450 | 400 | 1 |
| -0518 | 5.5 | 160 | 100 | 5 | -3207 | 12.0 | 600 | 550 | 1 |
| -0526 | 5.5 | 160 | 100 | 10 | -3306 | 13.0 | 160 | 100 | 1 |
| -0609 | 6.0 | 110 | 50 | 1 | -3405 | 13.0 | 300 | 250 | 1 |
| -0617 | 6.0 | 110 | 50 | 5 | -3504 | 14.0 | 160 | 100 | 1 |
| -0625 | 6.0 | 110 | 50 | 10 | -3603 | 14.0 | 260 | 200 | 1 |
| -0708 | 6.0 | 160 | 100 | 1 | -3702 | 14.0 | 300 | 250 | 1 |
| -0716 | 6.0 | 160 | 100 | 5 | -3801 | 14.0 | 450 | 400 | 1 |
| -0724 | 6.0 | 160 | 100 | 10 | -3900 | 15.0 | 160 | 100 | 1 |
| -0807 | 6.0 | 210 | 150 | 1 | -4007 | 15.0 | 260 | 200 | 1 |
| -0906 | 6.0 | 260 | 200 | 1 | -4106 | 15.0 | 450 | 400 | 1 |
| -1003 | 6.5 | 160 | 100 | 1 | -4205 | 16.0 | 160 | 110 | 1 |
| -1102 | 7.0 | 110 | 50 | 1 | -4304 | 16.0 | 210 | 150 | 1 |
| -1201 | 7.0 | 160 | 100 | 1 | -4403 | 16.0 | 300 | 250 | 1 |
| -1300 | 8.0 | 110 | 50 | 1 | -4502 | 16.0 | 450 | 400 | 1 |
| -1409 | 8.0 | 160 | 100 | 1 | -4601 | 16.0 | 600 | 550 | 1 |
| -1417 | 8.0 | 160 | 100 | 5 | -4700 | 18.0 | 210 | 150 | 1 |
| -1425 | 8.0 | 160 | 100 | 10 | -4809 | 18.0 | 300 | 250 | 1 |
| -1508 | 8.0 | 210 | 150 | 1 | -4908 | 18.0 | 450 | 400 | 1 |
| -1516 | 8.0 | 210 | 150 | 5 | -5004 | 18.0 | 600 | 550 | 1 |
| -1524 | 8.0 | 210 | 150 | 10 | -5103 | 18.0 | 1000 | 950 | 1 |
| -1607 | 8.0 | 260 | 200 | 1 | -5202 | 20.0 | 210 | 150 | 1 |
| -1706 | 8.0 | 450 | 400 | 1 | -5301 | 20.0 | 300 | 250 | 1 |
| -1805 | 9.0 | 210 | 150 | 1 | -5400 | 20.0 | 450 | 400 | 1 |
| -1904 | 10.0 | 110 | 50 | 1 | -5509 | 20.0 | 600 | 550 | 1 |
| -2001 | 10.0 | 160 | 100 | 1 | -5608 | 22.0 | 260 | 200 | 1 |
| -2019 | 10.0 | 160 | 100 | 5 | -5707 | 22.0 | 450 | 400 | 1 |
| -2027 | 10.0 | 160 | 100 | 10 | -5806 | 24.0 | 260 | 200 | 1 |
| -2100 | 10.0 | 210 | 150 | 1 | -5905 | 24.0 | 450 | 400 | 1 |
| -2118 | 10.0 | 210 | 150 | 5 | -6002 | 25.0 | 260 | 200 | 1 |
| -2126 | 10.0 | 210 | 150 | 10 | -6101 | 25.0 | 450 | 400 | 1 |
| -2209 | 10.0 | 260 | 200 | 1 | -6200 | 26.0 | 260 | 200 | 1 |
| -2308 | 10.0 | 300 | 250 | 1 | -6309 | 26.0 | 450 | 400 | 1 |
| -2407 | 10.0 | 450 | 400 | 1 | | | | | |

Masonry drills

Percussion drills



Luna. Percussion drills with **SDS-Plus** and 4-flute drill bits and high-grade special steel shank. The design of the drill bit gives an excellent drill result with regard to the hole size and centering with long life. The design of the drill permits a good result in reinforced concrete thanks to the drill's 4-flute tip geometry. The drill cuts through the reinforcement without travelling sideways. The result will be a straight centred hole with reduced risk of crack formation, which gives a strong and secure fastening. The drill's four flute-spiral also permits good removal of drill dust. For drilling in concrete with or without reinforcement, natural stone, brick and other similar materials.

| Art. no. | Drill diam. mm | Overall length mm | Twist length mm | Quantity/ packing | Art. no. | Drill diam. mm | Overall length mm | Twist length mm | Quantity/ packing |
|--------------|----------------|-------------------|-----------------|-------------------|--------------|----------------|-------------------|-----------------|-------------------|
| 20164 | | | | | 20164 | | | | |
| -0109 | 5.0 | 110 | 50 | 1 | -2105 | 10.0 | 160 | 100 | 1 |
| -0117 | 5.0 | 110 | 50 | 10 | -2113 | 10.0 | 160 | 100 | 10 |
| -0208 | 5.0 | 160 | 100 | 1 | -2204 | 10.0 | 210 | 100 | 1 |
| -0216 | 5.0 | 160 | 100 | 10 | -2212 | 10.0 | 210 | 100 | 10 |
| -0307 | 5.5 | 110 | 50 | 1 | -2303 | 10.0 | 260 | 200 | 1 |
| -0406 | 5.5 | 160 | 100 | 1 | -2402 | 10.0 | 310 | 250 | 1 |
| -0414 | 5.5 | 160 | 100 | 10 | -2501 | 10.0 | 450 | 400 | 1 |
| -0505 | 6.0 | 110 | 50 | 1 | -2600 | 12.0 | 160 | 100 | 1 |
| -0604 | 6.0 | 160 | 100 | 1 | -2618 | 12.0 | 160 | 100 | 10 |
| -0612 | 6.0 | 160 | 100 | 10 | -2709 | 12.0 | 210 | 150 | 1 |
| -0703 | 6.0 | 210 | 150 | 1 | -2717 | 12.0 | 210 | 150 | 10 |
| -0802 | 6.0 | 260 | 200 | 1 | -2808 | 12.0 | 260 | 200 | 1 |
| -0901 | 6.0 | 310 | 250 | 1 | -2907 | 12.0 | 310 | 250 | 1 |
| -1008 | 6.5 | 160 | 100 | 1 | -3004 | 12.0 | 450 | 400 | 1 |
| -1109 | 6.5 | 210 | 150 | 1 | -3103 | 14.0 | 160 | 100 | 1 |
| -1206 | 6.5 | 260 | 200 | 1 | -3202 | 14.0 | 210 | 150 | 1 |
| -1305 | 6.5 | 310 | 250 | 1 | -3301 | 14.0 | 260 | 200 | 1 |
| -1404 | 7.0 | 110 | 50 | 1 | -3400 | 14.0 | 310 | 250 | 1 |
| -1503 | 7.0 | 160 | 100 | 1 | -3509 | 14.0 | 450 | 400 | 1 |
| -1602 | 8.0 | 110 | 50 | 1 | -3608 | 15.0 | 160 | 100 | 1 |
| -1701 | 8.0 | 160 | 100 | 1 | -3707 | 15.0 | 210 | 150 | 1 |
| -1719 | 8.0 | 160 | 100 | 10 | -3806 | 16.0 | 160 | 100 | 1 |
| -1800 | 8.0 | 210 | 150 | 1 | -3905 | 16.0 | 210 | 150 | 1 |
| -1818 | 8.0 | 210 | 150 | 10 | -4002 | 16.0 | 310 | 250 | 1 |
| -1909 | 8.0 | 260 | 200 | 1 | -4101 | 16.0 | 450 | 400 | 1 |
| -2006 | 10.0 | 110 | 50 | 1 | -4200 | 16.0 | 600 | 550 | 1 |



Luna. Percussion drills with **SDS-plus shank**, and with 4 tungsten-carbide tips. For drilling in concrete, granite, brick and other similar building materials.

| Art. no. | Drill diam. mm | Overall length mm | Twist length mm | Art. no. | Drill diam. mm | Overall length mm | Twist length mm |
|--------------|----------------|-------------------|-----------------|--------------|----------------|-------------------|-----------------|
| 20175 | | | | 20175 | | | |
| -0106 | 16.0 | 250 | 200 | -0908 | 24.0 | 250 | 200 |
| -0205 | 16.0 | 450 | 400 | -1005 | 24.0 | 450 | 400 |
| -0304 | 18.0 | 250 | 200 | -1104 | 25.0 | 250 | 200 |
| -0403 | 18.0 | 450 | 400 | -1203 | 25.0 | 450 | 400 |
| -0502 | 20.0 | 250 | 200 | -1302 | 28.0 | 250 | 200 |
| -0601 | 20.0 | 450 | 400 | -1401 | 28.0 | 450 | 400 |
| -0700 | 22.0 | 250 | 200 | -1500 | 30.0 | 250 | 200 |
| -0809 | 22.0 | 450 | 400 | -1609 | 30.0 | 450 | 400 |
| | | | | -1708 | 32.0 | 450 | 400 |

Masonry drills

Percussion drills

Luna. Percussion drills with **SDS-max shank**. With hard metal blade (12-14 mm with 2 cutters, 16 mm and larger with 4 cutters). For drilling in concrete, granite, brick and other similar building materials.



| Art. no. | Drill diam mm | Overall length mm | Twist length mm | Art. no. | Drill diam mm | Overall length mm | Twist length mm |
|--------------|---------------|-------------------|-----------------|--------------|---------------|-------------------|-----------------|
| 20174 | | | | 20174 | | | |
| -0107 | 12.0 | 340 | 200 | -1600 | 25.0 | 320 | 200 |
| -0206 | 12.0 | 540 | 400 | -1709 | 25.0 | 520 | 400 |
| -0305 | 14.0 | 340 | 200 | | | | |
| -0404 | 14.0 | 540 | 400 | -1808 | 26.0 | 520 | 400 |
| | | | | -1907 | 28.0 | 370 | 250 |
| -0503 | 16.0 | 340 | 200 | -2004 | 28.0 | 570 | 450 |
| -0602 | 16.0 | 540 | 400 | -2103 | 30.0 | 370 | 250 |
| -0701 | 18.0 | 340 | 200 | -2202 | 30.0 | 570 | 450 |
| -0800 | 18.0 | 540 | 400 | | | | |
| -0909 | 20.0 | 320 | 200 | -2301 | 32.0 | 370 | 250 |
| -1006 | 20.0 | 520 | 400 | -2400 | 32.0 | 570 | 450 |
| -1105 | 20.0 | 920 | 800 | -2509 | 35.0 | 570 | 450 |
| -1204 | 22.0 | 320 | 200 | -2608 | 38.0 | 370 | 250 |
| -1303 | 22.0 | 520 | 400 | -2707 | 38.0 | 570 | 450 |
| | | | | -2806 | 40.0 | 370 | 250 |
| -1402 | 24.0 | 320 | 200 | -2905 | 40.0 | 570 | 450 |
| -1501 | 24.0 | 520 | 400 | | | | |

Set

Luna. Percussion drills with **SDS-plus shank**. 10 pieces. With hard metal blade. Recommended for making holes in concrete, granite and other similar building materials.

| | | |
|---------------------------------------|--------------|----------------|
| Art. no. | 20044 | -0105 |
| Diameters (total length 110 mm) | mm | 5 (x2) 5.5 6 8 |
| Diameters (total length 160 mm) | mm | 5 6 8 10 12 |
| Pack..... | qty | 5 |



Wood drills

Auger bits with straight shank

Luna. High speed steel HSS. With centre point and side cutter.



| Art. no. | 20409 | -0104 | -0203 | -0302 | -0401 | -0500 | -0609 | -0708 | -0807 |
|--------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Diameter | mm | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
| Total length | mm | 61 | 75 | 86 | 93 | 109 | 117 | 133 | 151 |
| Shank diam. | mm | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 12 |
| Pack..... | qty | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

Set

Luna. Twist drills for wood. Carbonised steel. With centre point and side cutter. Supplied in plastic case.

| | | |
|-----------------------|--------------|------------------|
| Art. no. | 20043 | -0106 |
| No. of drills | ea | 5 |
| Diameters | mm | 4 5 6 8 10 |
| Overall lengths | mm | 75 86 93 117 133 |
| Fixed diameters | mm | 4 5 6 8 10 |



Wood drills

Long reach bits



Luna. Drill section of high speed steel. Shank of special steel. Suitable for drilling mouldings, etc.

| Drill diameter mm | Cyl. shank mm | Total length 400 mm | Total length 600 mm | Total length 1000 mm |
|-------------------|---------------|---------------------|---------------------|----------------------|
| | | Art. no. | Art. no. | Art. no. |
| | | 20933 | 20933 | 20933 |
| 6 | 5 | -0109 | -0901 | -3004 |
| 8 | 6 | -0208 | -1008 | -3103 |
| 10 | 8 | -0307 | -1107 | -3202 |
| 12 | 8 | -0406 | -1206 | - |
| 14 | 8 | -0505 | -1305 | - |
| 16 | 10 | -0604 | -1404 | -3301 |
| 18 | 10 | -0703 | -1503 | - |
| 20 | 10 | -0802 | -1602 | -3400 |
| 22 | 10 | - | -1701 | - |
| 24 | 11 | - | -1800 | - |
| 25 | 11 | - | -1909 | - |
| 26 | 11 | - | -2006 | - |
| 28 | 11 | - | -2105 | - |
| 30 | 11 | - | -2204 | - |

Auger bits with 1/4" and 3/8" hexagonal shanks



Luna. With 1/4"-shank and feed screw. The design of the auger gives smooth surfaces and a very good feed.

PSuitable bit extension 1/4" see 20724 page 442.

| Art. no..... | 20173 | -0108 | -0207 | -0306 |
|-----------------------|---------|-------|-------|-------|
| Diameter | mm 16 | 18 | 18 | 22 |
| Shank \square | tum 1/4 | 1/4 | 1/4 | 1/4 |
| Auger length | mm 55 | 55 | 55 | 65 |
| Total length | mm 110 | 110 | 110 | 110 |
| Pack..... | qty 5 | 5 | 5 | 5 |



Luna. With 1/4" and 3/8" \square -drive. With feeder screw. The design of the auger gives smooth surfaces and a very good feed.


Suitable bit extension 1/4" see page 442.

Suitable bit extension 3/8" see page 442.

| | | | | | | | | |
|---------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no..... | 20723 | -0103 | -0202 | -0301 | -0400 | -0509 | -0608 | -0707 |
| Diameter | mm 6 | 8 | 10 | 11 | 12 | 13 | 14 | 14 |
| Shank diam. | inch 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Auger length | mm 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| Total length | mm 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| Pack. | qty 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Art. no..... | 20723 | -0806 | -0905 | -1002 | -1101 | -1200 | -1309 | -1408 |
| Diameter | mm 16 | 18 | 19 | 20 | 22 | 24 | 26 | 26 |
| Shank diam. | inch 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Auger length | mm 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| Total length | mm 230 | 230 | 230 | 230 | 230 | 230 | 230 | 230 |
| Pack. | qty 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Art. no..... | 20723 | -1507 | -1606 | -1705 | -1804 | -1903 | | |
| Diameter | mm 28 | 30 | 32 | 35 | 38 | | | |
| Shank diam. | inch 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | | | |
| Auger length | mm 150 | 150 | 150 | 150 | 150 | | | |
| Total length | mm 230 | 230 | 230 | 230 | 230 | | | |
| Pack. | qty 5 | 5 | 5 | 5 | 5 | | | |

Wood drills


Auger bits with 1/4" and 3/8" hexagonal shanks

Luna. Long twist drills with 1/4" and 3/8"  drives. With feeder screw. The design of the auger gives smooth surfaces and a very good feed.

Suitable drill extension 1/4" see page 442.
Suitable drill extension 3/8" see page 442.




| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20848 | -0103 | -0202 | -0301 | -0400 | -0509 | -0608 |
| Diameter | mm | 6 | 8 | 10 | 12 | 13 | 14 |
| Shank diameter | tuminch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Auger length | mm | 300 | 300 | 300 | 300 | 300 | 300 |
| Total length | mm | 400 | 400 | 400 | 400 | 400 | 400 |
| Pack. | qty | 5 | 5 | 5 | 5 | 5 | 5 |
| Art. no. | 20848 | -0707 | -0806 | -0905 | -1002 | -1101 | -1200 |
| Diameter | mm | 16 | 18 | 19 | 20 | 22 | 24 |
| Shank diameter | tuminch | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 |
| Auger length | mm | 300 | 300 | 300 | 300 | 300 | 300 |
| Total length | mm | 400 | 400 | 400 | 400 | 400 | 400 |
| Pack. | qty | 5 | 5 | 5 | 5 | 5 | 5 |
| Art. no. | 20848 | -1309 | -1408 | -1507 | -1606 | -1705 | -1804 |
| Diameter | mm | 26 | 28 | 30 | 32 | 35 | 38 |
| Shank diameter | tuminch | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 | 3/8 |
| Auger length | mm | 300 | 300 | 300 | 300 | 300 | 300 |
| Total length | mm | 400 | 400 | 400 | 400 | 400 | 400 |
| Pack. | qty | 5 | 5 | 5 | 5 | 5 | 5 |


Luna. with 1/4" or 3/8"  shank. Four cutter drill with feeder screw. The design of the auger gives smooth surfaces and a very good feed.


Suitable drill extension 1/4" 20724 page 442.
Suitable drill extension 3/8" 20725 page 442.



| | | | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20039 | -0052 | -0102 | -0201 | -0300 | -0409 | -0508 | -0607 | -0706 |
| Diameter | mm | 14 | 16 | 18 | 20 | 22 | 25 | 28 | 32 |
| Shank  | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 3/8 | 3/8 | 3/8 |
| Total length | mm | 158 | 158 | 158 | 158 | 158 | 158 | 158 | 158 |
| Pack. | kpl | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 |


Set

Luna. Set of three 4-fluted drills with feeder screw and 1/4" -shank. The design of the auger gives smooth surfaces and a very good feed.
Supplied in plastic case.

| | | |
|---|--------------|--------------|
| Art. no. | 20171 | -0100 |
| Diameter | mm | 16, 18, 22 |
| Shank  | inch | 1/4 |
| Pack. | qty | 5 |



Centre drills

Luna. With 1/4" -drive. Flat. With pilot. Suitable drill extension, see page 442.

| | | | | | | | | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20721 | -0105 | -0204 | -0303 | -0402 | -0501 | -0600 | -0659 | -0709 | -0808 | -0907 | -1004 | -1103 | -1202 |
| Diameter | mm | 6 | 8 | 10 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 |
| Shank diameter | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Total length | mm | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 |
| Pack. | qty | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Art. no. | 20721 | -1301 | -1400 | -1509 | -1608 | -1707 | -1806 | -1905 | -2002 | -2101 | -2200 | -2309 | -2408 | |
| Diameter | mm | 22 | 24 | 25 | 26 | 28 | 30 | 32 | 34 | 35 | 36 | 38 | 40 | |
| Shank diameter | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | |
| Total length | mm | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | 150 | |
| Pack. | qty | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | |



Wood drills

Centre drills



Luna. Long pilot drill with 1/4" \square -drive. Flat. With pilot. Suitable drill extension, see this page.

| | | | | | | | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20752 | -0107 | -0206 | -0305 | -0404 | -0503 | -0602 | -0701 | -0800 | -0909 | -1006 | -1105 | -1204 |
| Diameter..... | mm | 6 | 8 | 10 | 12 | 13 | 14 | 16 | 17 | 18 | 19 | 20 | 21 |
| Shank diameter.. | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Total length..... | mm | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| Pack..... | qty | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |
| Art. no. | 20752 | -1303 | -1402 | -1501 | -1600 | -1709 | -1808 | -1907 | -2004 | -2103 | -2202 | -2301 | -2400 |
| Diameter..... | mm | 22 | 24 | 25 | 26 | 28 | 30 | 32 | 34 | 35 | 36 | 38 | 40 |
| Shank diameter.. | inch | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 | 1/4 |
| Total length..... | mm | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 | 400 |
| Pack..... | qty | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

Drill set



Luna. Centre drill set with 1/4" \square -drive. Flat with pilot. Supplied in plastic case.

| | | |
|-----------------------|--------------|-----------------------|
| Art. no. | 20722 | -0104 |
| Drill sizes..... | mm | 8, 10, 12, 14, 16, 25 |
| Shank..... | inch | 1/4 |
| Pack..... | qty | 5 |



Luna. 10 parts centre drill set with 1/4" \square -drive. Supplied in plastic case.

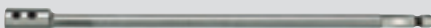
| | | |
|-----------------------|--------------|-----------------------------|
| Art. no. | 20143 | -0105 |
| Size..... | mm | 6-8-10-12-14-16-18-20-22-25 |
| Drive \square | inch | 1/4 |
| Pack..... | qty | 5 |

Bit extensions



Luna. Suitable for pilot drills and twist drills with 1/4" hexagonal drive.

| | | |
|---|--------------|--------------|
| Art. no. | 20724 | -0102 |
| Total length..... | mm | 300 |
| Head's outside diameter..... | mm | 15 |
| Cyl. hole..... | mm | 7 |
| For drills with 1/4" hexagonal drive..... | mm | 16-40 |
| Pack..... | qty | 5 |




Luna. Suitable for twist drills with 3/8" hexagonal drive.

| | | |
|---|--------------|--------------|
| Art. no. | 20725 | -0101 |
| Total length..... | mm | 300 |
| Head's outside diameter..... | mm | 18 |
| Cyl. hole..... | mm | 10.5 |
| For drills with 3/8" hexagonal drive..... | mm | 20-38 |
| Pack..... | qty | 5 |

Wood drills

Wall bits

Luna. For wood. With 1/4" -drive.

| | | | |
|--------------------|-------|-------|-------|
| Art. no. | 20184 | -0105 | -0204 |
| For plugs | mm | 10 | 12 |
| Total length | mm | 64 | 64 |



Countersinks

For wood

Luna. 5-flute countersink for wood. With 1/4" -drive. Countersink angle 90°.

| | | | |
|--------------------|-------|-------|-------|
| Art. no. | 20047 | -0102 | -0201 |
| Diameter | mm | 10 | 12 |
| Total length | mm | 54 | 54 |



Luna. With two tungsten carbide tips. For assembly on cylindrical drills. Drilling and countersinking then takes place at one time. Countersink angle 90°.

| | | |
|---------------------------|-------|---------|
| Art. no. | 20897 | -0103 |
| For drill diameters | mm | 3.0-7.2 |
| Countersink angle | | 90° |




For metal

Luna. HSS. 3-fluted countersink. With 1/4" -drive. Countersink angle 90°.

| | | | | | |
|--------------------|-------|-------|-------|-------|-------|
| Art. no. | 20048 | -0101 | -0200 | -0309 | -0408 |
| Diameter | mm | 8 | 10 | 12 | 16 |
| Total length | mm | 50 | 50 | 50 | 50 |



Drill/countersink set

Luna. For wood. Set of 11 pieces - all with 1/4" -shank, consisting of one 5-flute countersink 10 mm, plug cutter 10 mm, twist drills 3 and 4 mm, 6 screwdriver bits 50 mm and bit holder with quick chuck. Supplied in plastic case.

| | | |
|--------------------------------------|-------|--------|
| Art. no. | 20167 | -0106 |
| Drill diameters | mm | 3, 4 |
| Drill's total length | mm | 82, 96 |
| Plug cutter | mm | 10 |
| Countersink, diameter | mm | 10 |
| Countersink, countersink angle | | 90° |
| Bits for Phillips-heads | No | 1, 2 |
| Bits for Pozidriv-heads | No | 2 |
| Bits for TX heads | TX | 20, 25 |
| Bits for slotted heads | mm | 5.5 |
| Bit holder, length | mm | 63 |
| Pack | qty | 5 |



Router bits

Luna. Hard metal.

Slotting bits: series 20999 all models are double fluted except those marked (1) = single flute, marking (S) denotes solid tungsten carbide. Series 21001 are extra long slotting bits.

Lock case bits: 2100-0103 has shank mounted bearing 16x8 mm. 21002-0202 and 21003-03013 without bearings with angled cutter that lifts up chips. Extra bearings see 21072 page 450.



20999



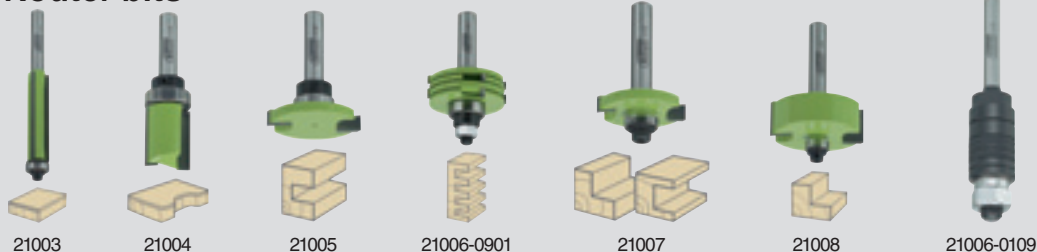
21001



21002

| Dia-meter | Blade-width | Total length | Shank diam. | No bottom cutter | Bottom cutter |
|--|-------------|--------------|-------------|------------------|---------------|
| mm | mm | mm | mm | Artnr 20999 | Artnr |
| Slotting bits 20999 | | | | | |
| 2(S) (1) | 10 | 54 | 6 | - | 20999-0100 |
| 3(S) (1) | 10 | 54 | 6 | - | 20999-0209 |
| 4(S) (1) | 12 | 66 | 6 | - | 20999-0308 |
| 5(S) (1) | 15 | 63 | 6 | - | 20999-0407 |
| 6(S) (1) | 20 | 70 | 6 | - | 20999-0506 |
| 8 | 25 | 63 | 6 | -0605 | - |
| 10 | 25 | 63 | 6 | -0704 | - |
| 12 | 25 | 63 | 6 | -0803 | - |
| 14 | 25 | 63 | 6 | -0902 | - |
| 16 | 25 | 63 | 6 | -1009 | - |
| 18 | 25 | 63 | 6 | -1108 | - |
| 20 | 25 | 63 | 6 | -1207 | - |
| 2(S) | 10 | 53 | 8 | - | 20999-1306 |
| 3(1) | 10 | 53 | 8 | -1405 | - |
| 3(S) | 10 | 53 | 8 | - | 20999-1504 |
| 4(1) | 12 | 56 | 8 | -1603 | - |
| 4(S) | 12 | 56 | 8 | - | 20999-1702 |
| 5(1) | 15 | 60 | 8 | -1801 | - |
| 5(S) | 15 | 60 | 8 | - | 20999-1900 |
| 6(1) | 18 | 65 | 8 | -2007 | - |
| 6(S) | 20 | 66 | 8 | - | 20999-2106 |
| 8 | 20 | 62 | 8 | -2205 | 20999-2957 |
| 8(S) | 20 | 70 | 8 | - | 20999-2304 |
| 10 | 25 | 63 | 8 | -2403 | 20999-2502 |
| 12 | 25 | 63 | 8 | -2601 | 20999-2700 |
| 14 | 25 | 63 | 8 | -2809 | 20999-2908 |
| 16 | 25 | 63 | 8 | -3005 | 20999-3104 |
| 17 | 25 | 63 | 8 | - | 20999-3203 |
| 18 | 25 | 63 | 8 | -3302 | 20999-3401 |
| 20 | 25 | 63 | 8 | -3500 | 20999-3609 |
| 22 | 25 | 63 | 8 | -3708 | 20999-3807 |
| 24 | 25 | 63 | 8 | - | 20999-3906 |
| 25 | 25 | 63 | 8 | -4003 | 20999-4102 |
| 26 | 25 | 63 | 8 | - | 20999-4201 |
| 28 | 25 | 63 | 8 | - | 20999-4300 |
| 35 | 25 | 63 | 8 | - | 20999-4409 |
| 12 | 30 | 75 | 12 | - | 20999-4508 |
| 16 | 30 | 72 | 12 | - | 20999-4607 |
| 18 | 30 | 72 | 12 | - | 20999-4706 |
| 20 | 30 | 72 | 12 | - | 20999-4805 |
| 22 | 30 | 72 | 12 | - | 20999-4904 |
| 25 | 30 | 72 | 12 | - | 20999-5000 |
| 30 | 30 | 72 | 12 | - | 20999-5109 |
| 35 | 30 | 72 | 12 | - | 20999-5208 |
| 8 | 20 | 60 | 13 | - | 21000-0105 |
| 10 | 25 | 67 | 13 | - | 21000-0204 |
| 12 | 30 | 70 | 13 | - | 21000-0303 |
| 14 | 30 | 75 | 13 | - | 21000-0402 |
| 16 | 35 | 75 | 13 | - | 21000-0501 |
| 18 | 35 | 75 | 13 | - | 21000-0600 |
| 20 | 35 | 75 | 13 | - | 21000-0709 |
| 25 | 35 | 80 | 13 | - | 21000-0808 |
| Slotting bits. Extra long 21001 | | | | | |
| 8 | 20 | 80 | 8 | - | 21001-0104 |
| 10 | 20 | 80 | 8 | - | 21001-0203 |
| 10 | 30 | 90 | 12 | - | 21001-0302 |
| 12 | 20 | 80 | 8 | - | 21001-0401 |
| 12 | 35 | 90 | 12 | - | 21001-0500 |
| 14 | 20 | 80 | 8 | - | 21001-0609 |
| 16 | 20 | 80 | 8 | - | 21001-0708 |
| 16 | 35 | 90 | 12 | - | 21001-0807 |
| 18 | 20 | 80 | 8 | - | 21001-0906 |
| 18 | 35 | 90 | 12 | - | 21001-1003 |
| 20 | 20 | 80 | 8 | - | 21001-1102 |
| 20 | 35 | 90 | 12 | - | 21001-1201 |
| 22 | 20 | 80 | 8 | - | 21001-1300 |
| 22 | 35 | 90 | 12 | - | 21001-1409 |
| 25 | 20 | 80 | 8 | - | 21001-1508 |
| 25 | 35 | 90 | 12 | - | 21001-1607 |
| 30 | 35 | 90 | 12 | - | 21001-1706 |
| 35 | 35 | 90 | 12 | - | 21001-1805 |
| Lock case bits 21002 | | | | | |
| 16 | 15 | 110 | 8 | - | 21002-0103 |
| 20 | 20 | 110 | 8 | - | 21002-0202 |
| 20 | 20 | 110 | 12 | - | 21002-0301 |

Router bits



Luna. Hard metal.

Edge moulder: series 21003 has a bottom mounted bearing while series 21004 has a shank mounted bearing. Milling cutters marked with (3)= three fluted otherwise two fluted.

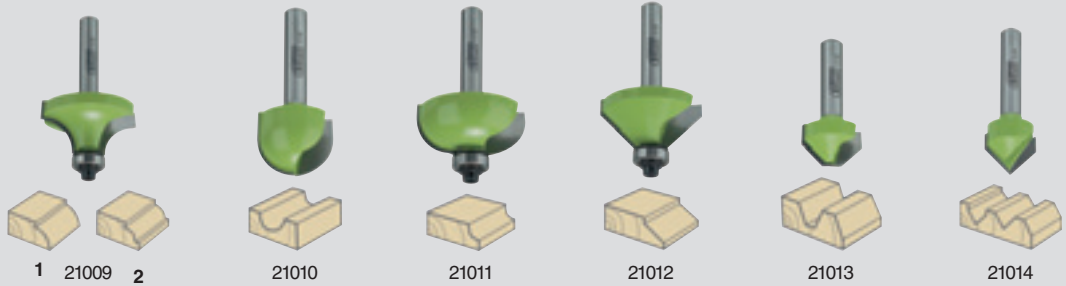
Tongue and groove bits. series 21005 has a shank mounted bearing. On series 21006 the bearing can be mounted above, under or between the tongue and groove bits. Grooving bit and ball bearings not supplied for this series except art. no. 21006-0106, 0208 and 0307. These numbers are spindles only.

Rebate bits: series 21007 and 21008 have bottom mounted bearings

Extra ball bearings see 21072 page 450.

| Dia- meter mm | Blade width mm | Rebate depth mm | Total length mm | Ball bearing | Shaft diam. mm | Art. no. | Dia- meter mm | Blade width mm | Rebate depth mm | Total length mm | Ball bearing | Shaft diam. mm | Art. no. |
|--|----------------------|-----------------------|-----------------------|-----------------|----------------------|------------|---------------------------------|----------------------|-----------------------|-----------------------|-----------------|----------------------|------------|
| Edge bits 21003, 21004 | | | | | | | | | | | | | |
| 9.5 | 25 | - | 66 | 9.5x4.8 mm | 8 | 21003-0102 | 36 | 6 | 6 | 47 | 24x8 mm | 8 | 21005-2106 |
| 13 | 25 | - | 63 | 13x5 mm | 6 | 21003-0201 | 36 | 6 | 8.5 | 47 | 19x8 mm | 8 | 21005-2205 |
| 13 | 25 | - | 65 | 13x5 mm | 8 | 21003-0300 | 36 | 6 | 10 | 47 | 16x8 mm | 8 | 21005-2304 |
| 13(3) | 25 | - | 65 | 13x5 mm | 8 | 21003-0409 | 36 | 7 | 10 | 47 | 16x8 mm | 8 | 21005-2403 |
| 13(3) | 25 | - | 88 | 13x5 mm | 8 | 21003-0508 | 40 | 8 | 12 | 48 | 16x8 mm | 8 | 21005-2502 |
| 13(3) | 50 | - | 88 | 13x5 mm | 8 | 21003-0607 | 15 | - | - | 82 | - | 6 | 21006-0109 |
| 13(3) | 50 | - | 88 | 13x5 mm | 12 | 21003-0706 | 15 | - | - | 82 | - | 8 | 21006-0208 |
| 19 | 32 | - | 70 | 19x8 mm | 8 | 21004-0101 | 15 | - | - | 82 | - | 12 | 21006-0307 |
| 19 | 13 | - | 45 | 19x8 mm | 8 | 21004-0200 | 48 | 3 | - | - | - | 8 | 21006-0406 |
| 19 | 25 | - | 67 | 19x8 mm | 8 | 21004-0309 | 48 | 4 | - | - | - | 8 | 21006-0505 |
| 19 | 25 | - | 67 | 19x8 mm | 8 | 21004-0408 | 48 | 5 | - | - | - | 8 | 21006-0604 |
| 12 | 15 | - | 57 | 12x8 mm | 8 | | 48 | 6 | - | - | - | 8 | 21006-0703 |
| Tongue and groove bits 21005, 21006 | | | | | | | | | | | | | |
| 36 | 2 | 4 | 42 | 28x 8 mm | 8 | 21005-0100 | 48 | 3+4+5+6 | 13 | 81 | 22x8 mm | 8 | 21006-0802 |
| 36 | 2 | 6 | 42 | 24x8 mm | 8 | 21005-0209 | 48 | 3+4+5+6 | 13 | 81 | 22x8 mm | 12 | 21006-0901 |
| 36 | 2 | 8.5 | 42 | 19x8 mm | 8 | 21005-0308 | Rebate bits 21007, 21008 | | | | | | |
| 36 | 2 | 10 | 42 | 16x8 mm | 8 | 21005-0407 | 32 | 4 | 5 | 41 | 22x8 mm | 8 | 21007-0108 |
| 36 | 2.5 | 6 | 43 | 24x8 mm | 8 | 21005-0506 | 32 | 4 | 8 | 41 | 16x8 mm | 8 | 21007-0207 |
| 36 | 2.5 | 8.5 | 43 | 19x8 mm | 8 | 21005-0605 | 32 | 4 | 10 | 41 | 12x8 mm | 8 | 21007-0306 |
| 36 | 2.5 | 10 | 43 | 16x8 mm | 8 | 21005-0704 | 32 | 5 | 5 | 42 | 22x8 mm | 8 | 21007-0405 |
| 36 | 3 | 8.5 | 43 | 19x8 mm | 8 | 21005-0803 | 32 | 5 | 8 | 41 | 16x8 mm | 8 | 21007-0504 |
| 36 | 3 | 10 | 43 | 16x8 mm | 8 | 21005-0902 | 32 | 6 | 8 | 43 | 16x8 mm | 8 | 21007-0603 |
| 36 | 3.5 | 6 | 44 | 24x8 mm | 8 | 21005-1009 | 32 | 6 | 10 | 43 | 12x8 mm | 8 | 21007-0702 |
| 36 | 3.5 | 8.5 | 44 | 19x8 mm | 8 | 21005-1108 | 32 | 8 | 8 | 45 | 16x8 mm | 8 | 21007-0801 |
| 36 | 3.5 | 10 | 44 | 16x8 mm | 8 | 21005-1207 | 32 | 8 | 10 | 45 | 12x8 mm | 8 | 21007-0900 |
| 36 | 4 | 4 | 45 | 28x8 mm | 8 | 21005-1306 | 32 | 10 | 5 | 37 | 22x8 mm | 8 | 21007-1007 |
| 36 | 4 | 6 | 45 | 24x8 mm | 8 | 21005-1405 | 32 | 10 | 8 | 47 | 16x8 mm | 8 | 21007-1106 |
| 36 | 4 | 8.5 | 45 | 19x8 mm | 8 | 21005-1504 | 32 | 10 | 10 | 45 | 12x8 mm | 8 | 21007-1205 |
| 36 | 4 | 10 | 45 | 16x8 mm | 8 | 21005-1603 | 32 | 12 | 10 | 49 | 12x8 mm | 8 | 21007-1304 |
| 36 | 5 | 4 | 46 | 28x8 mm | 8 | 21005-1702 | 32 | 12 | 8 | 49 | 16x8 mm | 8 | 21007-1353 |
| 36 | 5 | 6 | 46 | 24x8 mm | 8 | 21005-1801 | 32 | 15 | 5 | 52 | 22x8 mm | 8 | 21007-1403 |
| 36 | 5 | 8.5 | 46 | 19x8 mm | 8 | 21005-1900 | 32 | 15 | 8 | 52 | 16x8 mm | 8 | 21007-1502 |
| 36 | 5 | 10 | 46 | 16x8 mm | 8 | 21005-2007 | 32 | 15 | 10 | 52 | 12x8 mm | 8 | 21007-1601 |
| | | | | | | | 40 | 15 | 15 | 53 | 10x5 mm | 8 | 21008-0107 |

Router bits



Luna. Hard metal.

Round nose bit: with bearings as per. fig. 1. Bit can be supplemented with smaller bearings to get contour 2. Size see table or 2.

Moulding bit: series 210010 is without bearings and series: 21011 is with bearings.

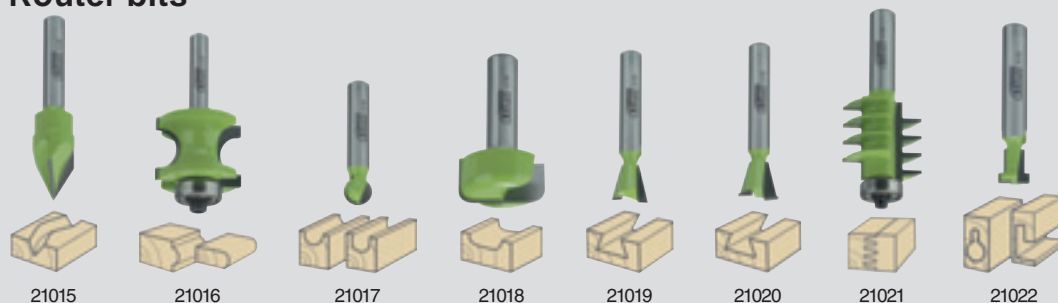
Chamfer bit: series 21013 marked with a * are bits without bearings, other bits in the series are with bearings.

V-slot bits: without bearings.

Extra bearings see 21072 page 450.

| Dia- meter mm | Blade- width mm | Radius mm | Chamfer- angle degrees | Total length mm | Ball bearing standard | Ball bearing alt. II | Shaft diam. mm | Art. no. |
|-----------------------------------|-----------------------|--------------|------------------------------|-----------------------|-----------------------------|----------------------------|----------------------|------------|
| Rounding bits 21009 | | | | | | | | |
| 16 | 8 | 1.6 | - | 56 | 13x5 mm | 10x5 mm | 8 | 21009-0106 |
| 18 | 8 | 2.4 | - | 56 | 13x5 mm | 10x5 mm | 8 | 21009-0205 |
| 19 | 9.5 | 3 | - | 47 | 13x5 mm | 10x5 mm | 6 | 21009-0304 |
| 19.5 | 9.5 | 3.2 | - | 47 | 13x5 mm | 10x5 mm | 8 | 21009-0403 |
| 22.5 | 9.5 | 4.8 | - | 47 | 13x5 mm | 10x5 mm | 8 | 21009-0502 |
| 23 | 9.5 | 5 | - | 47 | 13x5 mm | 10x5 mm | 6 | 21009-0601 |
| 26 | 11 | 6.4 | - | 49 | 13x5 mm | 10x5 mm | 8 | 21009-0700 |
| 29 | 13 | 8 | - | 51 | 13x5 mm | 10x5 mm | 8 | 21009-0809 |
| 29 | 13 | 8 | - | 51 | 13x5 mm | 10x5 mm | 6 | 21009-0908 |
| 32 | 16 | 9.5 | - | 54 | 13x5 mm | 10x5 mm | 8 | 21009-1005 |
| 33 | 16 | 10 | - | 54 | 13x5 mm | 10x5 mm | 6 | 21009-1104 |
| 38.5 | 19 | 12.7 | - | 57 | 13x5 mm | 10x5 mm | 8 | 21009-1203 |
| 39 | 19 | 13 | - | 57 | 13x5 mm | 10x5 mm | 6 | 21009-1302 |
| 43 | 22 | 15 | - | 60 | 13x5 mm | 10x5 mm | 6 | 21009-1401 |
| 45 | 22 | 16 | - | 60 | 13x5 mm | 10x5 mm | 8 | 21009-1500 |
| 45 | 22 | 16 | - | 60 | 13x5 mm | 10x5 mm | 12 | 21009-1609 |
| 51 | 25 | 19 | - | 67 | 13x5 mm | 10x5 mm | 12 | 21009-1708 |
| 57 | 28 | 22 | - | 70 | 13x5 mm | 10x5 mm | 12 | 21009-1807 |
| 63 | 32 | 25 | - | 77 | 13x5 mm | 10x5 mm | 12 | 21009-1906 |
| 73 | 35 | 30 | - | 80 | 13x5 mm | 10x5 mm | 12 | 21009-2003 |
| Moulding bits 21010, 21011 | | | | | | | | |
| 3.2 | 8 | 1.6 | - | 52 | - | - | 8 | 21010-0103 |
| 4.5 | 8 | 2.25 | - | 51 | - | - | 8 | 21010-0202 |
| 6 | 8 | 3 | - | 50 | - | - | 8 | 21010-0301 |
| 8 | 10 | 4 | - | 51 | - | - | 8 | 21010-0400 |
| 10 | 10 | 5 | - | 48 | - | - | 8 | 21010-0509 |
| 13 | 10 | 6.5 | - | 48 | - | - | 8 | 21010-0608 |
| 16 | 12 | 8 | - | 50 | - | - | 8 | 21010-0707 |
| 20 | 16 | 10 | - | 54 | - | - | 8 | 21010-0806 |
| 25 | 16 | 12.5 | - | 58 | - | - | 12 | 21010-0905 |
| 25 | 20 | 12.5 | - | 58 | - | - | 8 | 21010-1002 |
| 30 | 20 | 15 | - | 62 | - | - | 12 | 21010-1101 |
| 40 | 25 | 20 | - | 67 | - | - | 12 | 21010-1200 |
| 23 | 8 | 4.8 | - | 56 | 13x5 mm | - | 8 | 21011-0102 |
| 26 | 10 | 6.4 | - | 48 | 13x5 mm | - | 8 | 21011-0201 |
| 29 | 12 | 8 | - | 50 | 13x5 mm | - | 8 | 21011-0300 |
| 32 | 13 | 9.5 | - | 51 | 13x5 mm | - | 8 | 21011-0409 |
| 38 | 16 | 12.7 | - | 54 | 13x5 mm | - | 8 | 21011-0508 |
| Chamfer bits 21012, 21013 | | | | | | | | |
| 25 | 11.6 | - | 45 | 50 | 13x5 mm | - | 8 | 21012-0101 |
| 36 | 16.5 | - | 45 | 55 | 13x5 mm | - | 8 | 21012-0200 |
| 36 | 16.5 | - | 45 | 55 | 13x5 mm | - | 6 | 21012-0309 |
| 48 | 22.5 | - | 45 | 60 | 13x5 mm | - | 8 | 21012-0408 |
| 56 | 26.7 | - | 45 | 69 | 13x5 mm | - | 12 | 21012-0507 |
| 15.5 | 20.5 | - | 8 | 58 | 10x5 mm | - | 8 | 21013-0100 |
| 17.5* | 19 | - | 15 | 57 | - | - | 8 | 21013-0209 |
| 20.5 | 20 | - | 15 | 58 | 10x5 mm | - | 8 | 21013-0308 |
| 27* | 17 | - | 30 | 55 | - | - | 8 | 21013-0407 |
| 30 | 17.5 | - | 30 | 55 | 10x5 mm | - | 8 | 21013-0506 |
| 21* | 13 | - | 45 | 51 | - | - | 8 | 21013-0605 |
| V-bits 21014 | | | | | | | | |
| 9.5 | 12.7 | - | 45 | 53 | - | - | 8 | 21014-0109 |
| 16 | 16 | - | 45 | 57 | - | - | 8 | 21014-0208 |
| 19 | 16 | - | 45 | 57 | - | - | 8 | 21014-0307 |
| 25 | 18 | - | 45 | 60 | - | - | 8 | 21014-0406 |

Router bits



Luna. Tungsten carbide.

Lettering bits: series 21015 three-fluted made of tungsten carbide.

Beading bits: series 21016 double fluted with bearing.

Moulding bits: series 21017 double fluted.

Channel bits: series 21018 bottom cutting without bearing.

Dovetail bits: series 21019 without pilot, series 21020 with pilot for small chips and space for glue expansion.

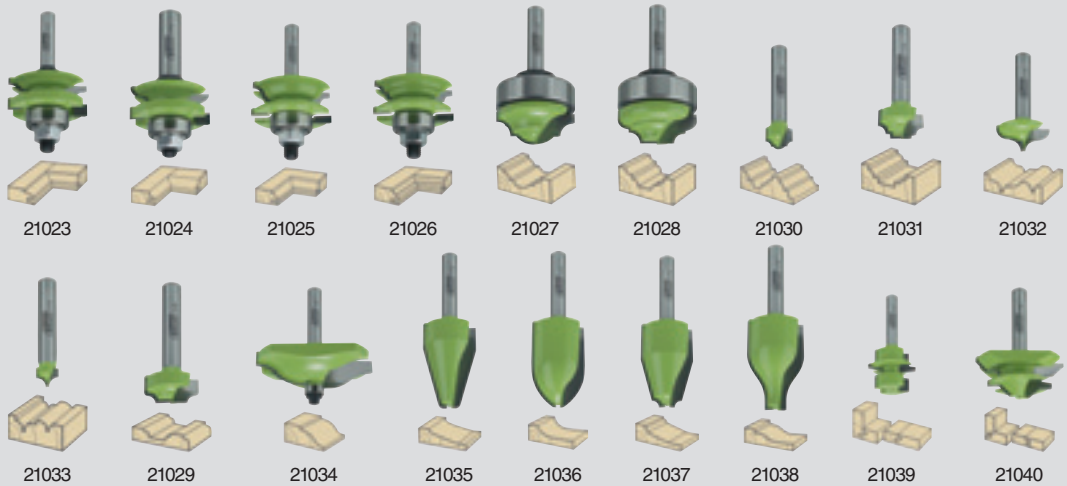
Finger joint bits: series 21021 with ball-bearing.

Keyhole bits: series 21022 double fluted for hanging holes.

Extra bearings see 21072 page 450.

| Dia- meter mm | Blade width mm | Radius mm | Phase- angle degree | Total length mm | Ball bearing | Shaft diam. mm | <i>Art. no.</i> |
|-----------------------------------|----------------------|--------------|---------------------------|-----------------------|-----------------|----------------------|-------------------|
| Lettering bit 21015 | | | | | | | |
| 14 | 12 | - | 30 | 69 | - | 8 | <i>21015-0108</i> |
| Beading bits 21016 | | | | | | | |
| 22 | 16 | 3 | - | 54 | 16x8 mm | 8 | <i>21016-0107</i> |
| 24 | 18 | 4 | - | 56 | 16x8 mm | 8 | <i>21016-0206</i> |
| 26 | 20 | 5 | - | 58 | 16x8 mm | 8 | <i>21016-0305</i> |
| 31 | 22 | 6 | - | 60 | 19x8 mm | 8 | <i>21016-0404</i> |
| 35 | 26 | 8 | - | 64 | 19x8 mm | 8 | <i>21016-0503</i> |
| 39 | 30 | 10 | - | 68 | 19x8 mm | 8 | <i>21016-0602</i> |
| Moulding bits 21017 | | | | | | | |
| 10 | 9 | 5 | - | 46 | - | 8 | <i>21017-0106</i> |
| 13 | 12 | 6.5 | - | 49 | - | 8 | <i>21017-0205</i> |
| 16 | 15 | 8 | - | 53 | - | 8 | <i>21017-0304</i> |
| 20 | 19 | 10 | - | 57 | - | 8 | <i>21017-0403</i> |
| Channel bits 21018 | | | | | | | |
| 22 | 16 | 4.5 | - | 58 | - | 8 | <i>21018-0105</i> |
| 32 | 16 | 5 | - | 58 | - | 8 | <i>21018-0204</i> |
| 32 | 16 | 5 | - | 58 | - | 12 | <i>21018-0303</i> |
| Dovetail bits 21019, 21020 | | | | | | | |
| 9.5 | 9.5 | - | 9 | 52 | - | 8 | <i>21019-0104</i> |
| 12.7 | 13 | - | 14 | 54 | - | 8 | <i>21019-0203</i> |
| 14.3 | 13 | - | 14 | 57 | - | 8 | <i>21020-0101</i> |
| 17.6 | 16 | - | 14 | 57 | - | 8 | <i>21020-0200</i> |
| Finger joint bits 21021 | | | | | | | |
| 35 | 38 | - | - | 80 | 19x6 mm | 12 | <i>21021-0100</i> |
| Keyhole bits 21022 | | | | | | | |
| 9.5 | 10.5 | - | - | 52 | - | 8 | <i>21022-0109</i> |
| 12.7 | 12.5 | - | - | 52 | - | 8 | <i>21022-0208</i> |

Router bits



Luna. Hard metal.

Counter contour bits: series 21023, 21024, 21025, 21026 with ball-bearings for manufacturing cupboard doors, doors and panels. By switching the places of the groove and contour cutters both length and end contours can be made using the same bit. The router should be mounted on a milling table for the best result.

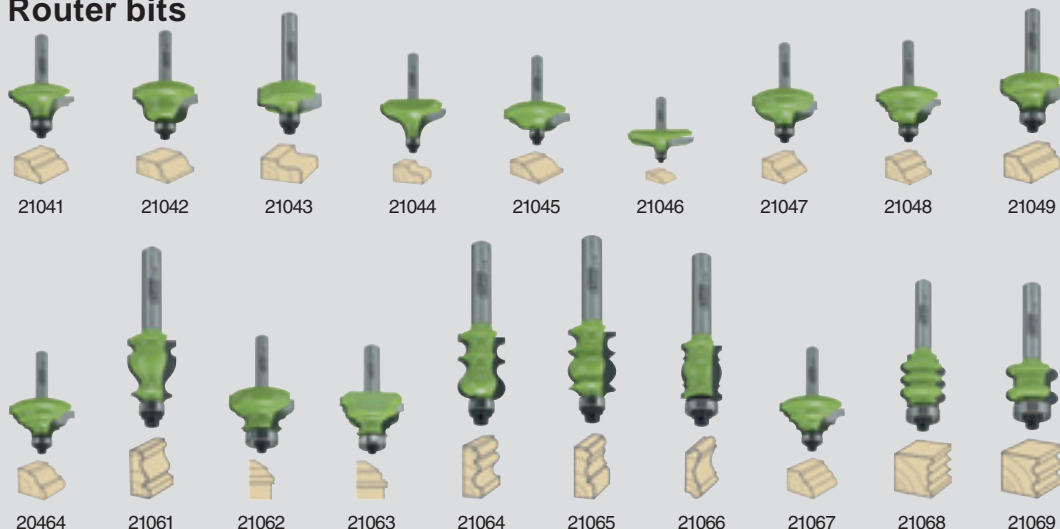
Mirror bits: series 21027, 21028, 21029-0102 with top mounted ball-bearing. Series 21030, 21032, 21033, 21029-0201 without bearings for décor routing on doors, mirrors, panels or boxes.

Cornice bits: series 21034 horizontal cornice bit with ball-bearing. Series 21035, 21036, 21037, 21037 vertical cornice bits for edge routing on e.g. mirror frames. The router should be mounted on a milling table for the best result.

Glue joint bits: series 21039 and 21040 without bearings.

| Dia- meter mm | Blade width mm | Radius mm | Phase- angle degree | Total length mm | Ball bearing standard | Shaft diam. mm | Art. no. |
|--|----------------------|--------------|---------------------------|-----------------------|-----------------------------|----------------------|------------|
| Counter contour bits 21023, 21024, 21025, 21026 | | | | | | | |
| 41 | 17 | 5+5 | - | 73 | 22x8 mm | 8 | 21023-0108 |
| 41 | 17 | 5+5 | - | 78 | 22x8 mm | 12 | 21023-0207 |
| 41 | 17 | 5+5 | - | 73 | 22x8 mm | 8 | 21024-0107 |
| 41 | 17 | 5+5 | - | 78 | 22x8 mm | 12 | 21024-0206 |
| 43 | 18 | 5+5 | - | 73 | 22x8 mm | 8 | 21025-0106 |
| 43 | 18 | 3.5+3.5 | - | 73 | 22x8 mm | 8 | 21026-0105 |
| 43 | 18 | 3.5+3.5 | - | 78 | 22x8 mm | 12 | 21026-0204 |
| Mirror bits 21027, 21028, 21030, 21031, 21032, 21033, 21029 | | | | | | | |
| 22 | 12.7 | 4+5.5 | - | 58 | 8x25 mm | 8 | 21027-0104 |
| 35 | 14.3 | 6.5+10.5 | - | 56 | 8x25 mm | 8 | 21027-0203 |
| 35 | 14.3 | 6.5+10.5 | - | 75 | 12x35 mm | 12 | 21027-0302 |
| 22 | 10 | 3.2+3.2 | - | 55 | 8x22 mm | 8 | 21028-0103 |
| 35 | 14 | 5+5 | - | 65 | 8x35 mm | 8 | 21028-0202 |
| 22 | 10 | 1.5+3 | - | 51 | 28x8 mm | 8 | 21029-0102 |
| 13 | 10 | 2.4+2.4 | - | 51 | - | 8 | 21030-0109 |
| 19 | 13 | 4+4 | - | 54 | - | 8 | 21030-0208 |
| 13 | 9.5 | 2 | - | 47 | - | 8 | 21031-0108 |
| 19 | 11 | 3.2 | - | 49 | - | 8 | 21031-0207 |
| 26 | 12 | 6+6 | - | 50 | - | 8 | 21032-0107 |
| 9.5 | 8 | 4 | - | 48 | - | 8 | 21033-0106 |
| 22 | 10 | 1.5+3 | - | 51 | - | 8 | 21029-0201 |
| Cornice bits 21034, 21035, 21036, 21037, 21038 | | | | | | | |
| 60 | 15.5 | 16+16 | - | 53 | 10x5 mm | 8 | 21034-0105 |
| 66 | 16 | 16+16 | - | 58 | 10x5 mm | 12 | 21034-0204 |
| 26 | 42 | 3 | 15 | 80 | - | 8 | 21035-0104 |
| 26 | 42 | 3 | 15 | 84 | - | 12 | 21035-0203 |
| 26 | 42 | 25 | - | 80 | - | 8 | 21036-0103 |
| 26 | 42 | - | 15 | 80 | - | 8 | 21037-0102 |
| 26 | 42 | - | 15 | 84 | - | 12 | 21037-0201 |
| 26 | 42 | 19+19 | - | 80 | - | 8 | 21038-0101 |
| 26 | 42 | 19+19 | - | 84 | - | 12 | 21038-0200 |
| Glue joint bits 21039, 21040 | | | | | | | |
| 30 | 25 | - | - | 63 | - | 8 | 21039-0100 |
| 44 | 19 | - | - | 57 | - | 8 | 21040-0107 |

Router bits



Luna. Hard metal.

Contour bits: series 21041-21066 with bottom mounted bearing. With smaller bearings on series 21047-21049 another contour can be obtained see illustration and bearing option II.

Multi-contour bits: series 21067-21069 with bottom mounted bearing.

Extra bearings see 21072 page 450.

| Dia-meter mm | Blade width mm | Radius mm | Phase- angle degree | Total length mm | Ball bearing standarad | Ball bearing alt. II | shaft diam. mm | Art. no. |
|---------------------------------------|----------------------|--------------|---------------------------|-----------------------|------------------------------|----------------------------|----------------------|------------|
| Contour bits 21041-21066 | | | | | | | | |
| 38 | 16 | 3+9.5 | - | 54 | 13x5 mm | - | 8 | 21041-0106 |
| 29 | 13.5 | 4+4 | - | 51 | 13x5 mm | - | 8 | 21042-0105 |
| 38.5 | 18.5 | 6.4+6.4 | - | 56 | 13x5 mm | - | 8 | 21042-0204 |
| 33 | 11 | 2+3 | - | 49 | 10x5 mm | - | 8 | 21043-0104 |
| 44 | 22 | 7+14 | - | 60 | 10x5 mm | - | 8 | 21044-0103 |
| 42 | 12.5 | 8+8 | - | 50 | 10x5 mm | - | 8 | 21045-0102 |
| 52 | 18 | 12+12 | - | 56 | 10x5 mm | - | 8 | 21045-0201 |
| 53 | 15 | - | - | 58 | 13x5 mm | - | 8 | 21046-0101 |
| 70 | 19 | - | - | 61 | 13x5 mm | - | 12 | 21046-0200 |
| 35 | 15 | 4.8+4.8 | - | 53 | 13x5 mm | 10x5 mm | 8 | 21047-0100 |
| 42 | 19 | 6.4+6.4 | - | 57 | 13x5 mm | 10x5 mm | 8 | 21047-0209 |
| 30 | 13 | 3.2+3.2 | - | 51 | 13x5 mm | 10x5 mm | 8 | 21048-0109 |
| 36 | 17 | 4.8+4.8 | - | 55 | 13x5 mm | 10x5 mm | 8 | 21048-0208 |
| 42 | 19.5 | 6.4+6.4 | - | 57 | 13x5 mm | 10x5 mm | 8 | 21048-0307 |
| 32 | 14.5 | 4.8+4.8 | - | 52.5 | 13x5 mm | 10x5 mm | 8 | 21049-0108 |
| 41 | 18.5 | 4.5+4+4.5 | - | 50.5 | 13x5 mm | - | 8 | 20464-0106 |
| 19 | 25 | - | - | 63 | 10x5 mm | - | 8 | 21061-0101 |
| 27 | 41 | - | - | 83 | 13x5 mm | - | 12 | 21061-0200 |
| 38 | 21 | - | - | 59 | 19x5 mm | - | 8 | 21062-0100 |
| 45 | 27 | - | - | 69 | 19x5 mm | - | 12 | 21063-0109 |
| 18 | 25 | - | - | 63 | 10x5 mm | - | 8 | 21064-0108 |
| 18 | 25 | - | - | 62 | 10x5 mm | - | 8 | 21065-0107 |
| 16 | 22 | - | - | 60 | 13x5 mm | - | 8 | 21066-0106 |
| Multi-contour bits 21064-21069 | | | | | | | | |
| 40 | 18 | 6+4,5+3 | - | 66 | 13x5 mm | - | 8 | 21067-0105 |
| 22 | 25 | 3+3+3 | - | 63 | 16x5 mm | - | 8 | 21068-0104 |
| 22 | 25 | 3+3+3 | - | 63 | 16x5 mm | - | 8 | 21068-0203 |
| 22 | 16 | 3+3 | - | 54 | 16x5 mm | - | 8 | 21069-0103 |

Bearing guides

Luna. Extra bearing guide.



| | | | | | | |
|-------------------------|-------|---------------------------|---------|-------|-------|-------|
| Art. no. | 21072 | -0108 | -0207 | -0306 | -0405 | -0504 |
| Diameter×hole | mm | 1/2 x 3/16, 12,7 x 4,8 | 9.5×4.8 | 10×5 | 12×8 | 13×5 |
| Art. no. | 21072 | -0603 | -0702 | -0801 | -0900 | -1106 |
| Diameter×hole | mm | 14×8 | 16×5 | 16×8 | 19×5 | 19×6 |
| Art. no. | 21072 | -1007 | -1205 | -1304 | -1403 | -1502 |
| Diameter×hole | mm | 19×8 | 22×8 | 24×8 | 28×8 | 35×15 |

Chuck collets

Luna. Chuck collets for millers and cylindrical attachments. Used when the check collet and the miller cylindrical attachment do not have the same diameter.



| | | | | | | |
|--|-------|-------|-------|---------|--------|-------|
| Art. no. | 20971 | -0102 | -0201 | -0300 | -0409 | -0508 |
| Chuck inner – outer diameter | mm | 6-8 | 6.3-8 | 6.3-9.5 | 6-12 | 6-13 |
| Art. no. | 20971 | -0607 | -0706 | -0805 | -0904 | -1001 |
| Chuck inner – outer diameter | mm | 8-9.5 | 8-12 | 8-13 | 9.5-12 | 12-13 |

Milling sets

Luna. Furniture milling set of tungsten carbide. Shank diameter 8 mm. Supplied in plastic case.



| | | |
|--------------------------------|-------|-------|
| Art. no. | 20169 | -0104 |
| Number of millers | ea | 5 |
| Contents: | | |
| Grooving saw | mm | 4x12 |
| Disc grooving cutter | mm | 36x4 |
| Avrundningsfräs | mm | R 4.8 |
| Bevel mill | | 45° |
| Rebating mill | mm | 32x15 |
| Pack. | qty | 5 |

Luna. Slotting /rebating milling set of tungsten carbide. Shank diameter 8 mm. Supplied in plastic case.



| | | |
|-----------------------------|-------|--|
| Art. no. | 20169 | -0203 |
| Number of millers | ea | 9 |
| Contents: | | |
| Grooving saws | mm | 6x18, 8x20, 10x25, 12x25, 16x25, 20x25 |
| Cutters | mm | 13x25, 19x25 |
| Rebating cutter | mm | 32x15 |
| Pack. | qty | 5 |

Luna. Milling set - mixed - tungsten carbide. Shank diameter 8 mm. Supplied in plastic case.



| | | |
|-----------------------------|-------|------------------|
| Art. no. | 20169 | -0302 |
| Number of millers | ea | 5 |
| Contents: | | |
| Grooving saws | mm | 8x20, 20x25 |
| Edge moulder | mm | 13x25 |
| Hollowing saw | mm | R 10 (20x16) |
| Avrundningsfräs | mm | R 4.8 (22.5x9.5) |
| Pack. | qty | 5 |

Milling sets

Luna. Milling set - mixed - tungsten carbide. With 1/4" Ø shank. Supplied in plastic case. (UK)

| | | |
|-------------------------|--------------|------------------|
| Art. no. | 20169 | -0351 |
| Number of millers | ea | 5 |
| Contents: | | |
| Grooving saws | mm | 8x20, 20x25 |
| Edge moulder | mm | 13x25 |
| Hollowing saw | mm | R 10 (20x16) |
| Avrundningsfräs | mm | R 4.8 (22.5x9.5) |
| Pack..... | qty | 5 |



Luna. Radius milling set tungsten carbide. Shank diameter 8 mm. Supplied in plastic case.

| | | |
|-------------------------|--------------|---------------------------------|
| Art. no. | 20169 | -0401 |
| Number of millers | ea | 5 |
| Contents: | | |
| Radius mills | mm | R 3.2, R 4.8, R 6.4, R 8, R 9.5 |
| Pack..... | qty | 5 |



Luna. Complete router bit set in HM for manufacturing mirror doors and shutters. Contains 2 contra profile bits that allow efficient production without time-consuming adjustments. 1 vertical cornice bit for milling door mirrors. 1 glued joint miller for manufacturing solid wood door mirrors and one profile miller for decorative profiling of frame outer edges. All bits have a shaft diameter of 8 mm. Supplied in a wooden box.

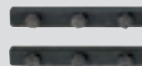
| | | |
|-------------------------|--------------|--------------|
| Art. no. | 20520 | -0108 |
| Number of millers | ea. | 5 |
| Shank diameter | mm | 8 |



Planer knives

Luna. Reversible hard metal plane steel designed for rapid attachment in the blade slot for most hand planes available on the market.

Adaptors. If the plane has not previously been equipped with reversible plane steel, special adaptors are also required.



Adaptor



Reversible plane knives

Plane steel, reversible.

| | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20917 | -0109 | -0208 | -0307 | -0406 | -0505 |
| Width | mm | 75.5 | 80.5 | 82.0 | 92.0 | 102.0 |
| Depth | mm | 5.5 | 5.9 | 5.5 | 5.5 | 5.5 |
| Thickness | mm | 1.1 | 1.1 | 1.1 | 1.2 | 1.2 |

Adaptors

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20917 | -1008 |
| Type | | AD-82 |

Jig saw blade



Attachment A



Attachment C



* Special tip

Luna. Saw blade for electric jig saws. Supplied in SB-pack of 5 or 50 blades (HM in SB pack of 1 blade.).

*) These blades have a special tip for easy entrance in the material without predrilling.

| Application area | Manufactured of | Cutting length x Width x thickness mm | Quantity teeth per inch | Equal to Bosch no. | Attachment type A for Bosch, etc | |
|--|--|--|-------------------------------|-----------------------|---|---|
| | | | | | Art. no. Pack. (5 blades) (5 blad) | Art. no. Pack. (50 blades) (50 blad) |
| | | | | | 20590 | 20590 |
| Fast, coarse cut in wood, plywood, chipboard | Tool steel, ground set teeth | 75x8x1.3 | 6 | T144D | -0103 | -0111 |
| Fast, coarse cut in wood, plywood, chipboard | Tool steel, ground set teeth | 125x9x1.3 | 6 | T344D | -0400 | - |
| Figure sawing. Fine cut in wood, plywood, chipboard, plastic | Tool steel, ground teeth, tapered, back | 50x5x1.3 | 20 | T101AO | -0657 | - |
| Curve cut For plywood and chipboard. The blade has a toothed back. | Tool steel, ground teeth, tapered, back | 75x6x1.3 | 10/21 | - | -0677 | - |
| Fine cut in wood, plywood, chipboard, | Tool steel, ground teeth, tapered, back | 75x8x1.5 | 10 | T101B | -0707 | -0715 |
| For plywood and chipboard. Fast cut with small chipping*) | Tool steel, ground teeth, tapered, back | 93x9x1.5 | 8-12 | T234X | -0855 | - |
| Fast, fine cut in wood, plywood, chipboard, tube | Tool steel, ground teeth, tapered, back | 75x8x1.5 | 6 | T101D | -0905 | - |
| Exactly perpendicular quick cut in wood, plywood and chipboard | Tool steel, ground teeth, tapered, back | 75x8x1.7 | 6 | T101DP | -0954 | - |
| Fast, fine cut in wood and plastic | Tool steel, ground teeth, tapered, back | 105x10x1.5 | 6 | T301DL | -1002 | - |
| For panel boards | Tool steel, ground teeth, tapered, back | 75x8x1.65 | 16 | T101AIF | -1051 | - |
| Fine cut in wood laminate, work tops, etc. With reversed toothing pattern to prevent för att undvika chipping on top of the material av materialet | Tool steel, ground teeth, tapered, back | 75x8x1.5 | 10 | T101BR | -1101 | - |
| Hårda träslag, laminat, plywood, spånskivor, plast och glasfiber | Bi-metall Konisk rygg slipade tänder | 7.5x8x1.5 | 10 | T101BF | -1119 | -1127 |
| Fine cut in metal section, sheet-metal with material thickness max 4 mm | Bi-Metal | 50x8x1.0 | 21 | T118AF | -1200 | -1218 |
| Fine cut in metal section, sheet-metal with material thickness 3-6 mm | Bi-Metal | 50x8x1.0 | 13 | T118BF | -1309 | - |
| Wood with brads, plastic, aluminium. Soft metals with material thickness 5-10 mm | Bi-Metal | 75x8x1.0 | 8 | T127DF | -1408 | - |
| Saws thin metal, Progressive toothing*) | Bi-Metal | 75x8x1.65 | 10-21 | T123XF | -1457 | - |
| Saws wood and brads. Progressive toothing*) | Bi-Metal | 108x10x1.25 | 5-10 | T345XF | -1473 | - |
| Fine cut in metal section, sheet-metal with material thickness 3-6 mm Sandwich material | Bi-Metal | 100x8x1.0 | 13 | T318BF | -1507 | - |
| Fine cut in metal sections and sheet, 4 mm | Bi-Metal | 100x8x1.0 | 21 | T318AF | -1515 | - |
| Glazed tiles, klinkers, glass | HM-kross | 55x8x1.0 | - | T130RIFF | -1556 | - |

Jig saw blade



Attachment A



Attachment C



* Special tip

| Saw blade for electric jig saws. Supplied in SB-pack of 5 blades. | | | | |
|---|--|---|-------------------------------|---|
| Application area | Manufactured of | Cutting length x width x thickness. No master mm | Quantity teeth per inch | Attachment type C for Black&Decker, etc Art. no. |
| Fast, coarse cut in wood, plywood, chipboard, plastic | Tool steel, milled set teeth | 75x8x1.3 | 6 | 20590-1754 |
| Fine cut in wood laminate, work tops, etc. with reversed tothing pattern to prevent chipping on top of the material | Tool steel, ground teeth, tapered back | 75x8x1.5 | 10 | 20590-1804 |
| For plywood and chipboard. Curve cut The blade has a toothed back. | Tool steel, ground set teeth | 75x8x1.3 | 8/21 | 20590-1853 |
| Fine cut in metal section, sheet-metal with material thickness max 4 mm | Bi-Metal | 50x8x1.0 | 21 | 20590-1903 |
| Glazed tiles, klinkers, glass | HM-kross | 55x8x1.0 | - | 20590-1952 |

Luna. Saw blade for electric jig saws. with tungsten carbide teeth for materials that are difficult to process. **Shank type A** for Bosch, etc. Supplied in SB-pack of 1 blades.



| | | |
|--|-------|----------|
| Art. no. | 20034 | -0107 |
| Cutting length x width x thickness. | mm | 70x8x1.3 |
| Correspond. Bosch | No | 6T141HM |



Set A



Set C

Luna. Set with Jig saw blade.

| | | | |
|------------------------------|---------|-------|-------|
| Art. no. | 20973 | -0100 | -0209 |
| Blades with attachment. | type | A | C |
| Quantity blades | per set | 10 | 10 |

| A-attachment Contains blades Art. no. | No. of blade | Application area | Cutting length x width x thickness mm | No. of teeth per inch |
|---|-----------------|--|---|-----------------------------|
| 20590-0657 | 2 | Fast, coarse cut in wood, plywood, chipboard | 75x8x1.3 | 20 |
| 20590-0707 | 3 | Fine cut in wood, plywood, chipboard, plastic | 75x8x1.5 | 10 |
| 20590-0608 | 3 | Rip sawing in wood, plywood, chipboard, plastic | 75x8x1.3 | 6 |
| 20590-1200 | 2 | Fine cut in metal section, sheet-metal with material thickness max. 4 mm | 50x8x1.0 | 21 |

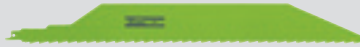
| C-attachment Contains blades Art. no. | No. of blade | Application area | Cutting length x width x thickness mm | No. of teeth per inch |
|---|-----------------|--|---|-----------------------------|
| 20590-2109 | 3 | Fine cut in wood, plywood, chipboard, plastic | 75x8x1.3 | 8 |
| 20590-1754 | 5 | Wood, plywood, chipboard, plastic | 65x8x1.0 | 6 |
| 20590-1903 | 2 | Fine cut in metal section, sheet-metal with material thickness max. 4 mm | 50x8x1.0 | 21 |

Tiger saw blade



Luna. Saw blade made of tool steel for electrical sabre saws. For quick sawing in wood - even fresh wood.
Supplied in pack of 5 blades.

| | | |
|--------------------------------------|--------------|--------------|
| Art. no. | 20095 | -0103 |
| Length x width x thickness | mm | 240x19x1.5 |
| No. of teeth | per inch | 4/5 |



Luna. Saw blade with tungsten carbide teeth for electric sabre saws. For sawing brick, non-reinforced lightweight concrete, ceramicsite concrete.

| | | | | | | | |
|--------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20096 | -0201 | -0300 | -0409 | -0102 | -0508 | -0607 |
| Length x width x thickness | mm | 235x20x1.2 | 300x20x1.2 | 400x20x1.2 | 450x50x1.3 | 235x20x1.2 | 300x20x1.2 |
| No. of teeth | per inch | 2 | 2 | 2 | 2 | 1.5 | 1.5 |



Normal shape



Tapered tip shape



Cone shaped

Luna. Saw blade for electrical tiger saws. Supplied in SB-pack of 5 or 25 blades (Diamond grit in SB pack of 1 blade.).

| Application area | Manufactured of | Total length x Width x thickness. | Quantity teeth | Attachment type F | |
|--|------------------|--------------------------------------|-------------------|---------------------------------|----------------------------------|
| | | | | Art. no. Pack. (5 blades) | Art. no. Pack. (25 blades) |
| | | mm | per inch | 20094 | 20094 |
| Normal shape | | | | | |
| Metal: Thin walled pipe and plate 2-4 mm, thickness. | Bi-Metal | 150x19x0.9 | 24 | -0054 | - |
| Metal: pipe and bar material 3-6 mm | Bi-Metal | 150x19x0.9 | 18 | -0104 | -0112 |
| Wood with brads. Metal: pipe and bar material 5-10 mm | Bi-Metal | 150x19x0.9 | 10/14 | -0203 | -0211 |
| Metal: Thin walled pipe and plate 2-4 mm, thickness. | Bi-Metal | 200x19x0.9 | 24 | -0252 | - |
| Metal: pipe and bar material 3-6 mm | Bi-Metal | 200x19x0.9 | 18 | -0302 | -0310 |
| Wood with brads. Metal: pipe and bar material 5-10 mm | Bi-Metal | 200x19x0.9 | 10/14 | -0401 | -0419 |
| Wood with brads. Straight effective sawing in metal: pipe and solid material, material thickness over 5 mm | Bi-Metal | 150x19x1.3 | 8/12 | -0500 | - |
| Wood with brads. Straight effective sawing in metal: pipe and bar material, material thickness over 5 mm | Bi-Metal | 200x19x1.3 | 8/12 | -0609 | -0617 |
| Wood with brads. Straight effective sawing in metal: pipe and bar material, material thickness over 5 mm | Bi-Metal | 300x19x1.3 | 8/12 | -0708 | -0716 |
| Cast iron | Tungsten carbide | 200x19x1.1 | HM-Kross | -0807 | - |
| Cast iron | Diamond grit | 200x19x1.7 | - | -1508 | - |
| Tapered tip shape | | | | | |
| Demolition work, wood with brads, quick sawing | Bi-Metal | 225x22x1.6 | 6 | -0906 | -0914 |
| Demolition work, wood with brads, straight cut in metal: pipe and solid material over 5 mm | Bi-Metal | 225x22x1.6 | 10 | -1003 | - |
| Demolition work, wood with brads, quick sawing | Bi-Metal | 300x22x1.6 | 6 | -1102 | - |
| Cone shaped | | | | | |
| wood and plastic, quick sawing | Bi-Metal | 150x19x1.3 | 5/8 | -1201 | - |
| wood and plastic, quick sawing | Bi-Metal | 200x19x1.3 | 5/8 | -1300 | - |
| wood and plastic, quick sawing | Bi-Metal | 300x19x1.3 | 5/8 | -1409 | - |

Circular saw blades

Hard metal saw blade for hand circular and stationary saws

Luna. Circular saw blades with tungsten-carbide teeth for cutting and splitting of all types of wood and for sawing in different forms of board. Manufactured with hardened main blade and high demands on quality for professional use. The blade can be reground several times.



| Diam. mm | Holes resp. insert mm | Quantity teeth ea. | Cut width/ blade life mm | Front- angle | Tooth grinding | Art. no. <i>20577</i> |
|-------------|-----------------------------|--------------------------|--------------------------------|-----------------|-------------------|--------------------------|
| 125 | 20/16/13 | 16 | 2.4/1.6 | 15 | Alternately | <i>-0100</i> |
| 130 | 20/16/13 | 16 | 2.4/1.6 | 15 | Alternately | <i>-0209</i> |
| 140 | 20/16/13 | 16 | 2.4/1.6 | 15 | Alternately | <i>-0308</i> |
| 152 | 20/16/15/13 | 18 | 2.4/1.6 | 15 | Alternately | <i>-0407</i> |
| 152 | 30 | 18 | 2.4/1.6 | 15 | Alternately | <i>-0506</i> |
| 155 | 20/16/12/7 | 18 | 2.4/1.6 | 15 | Alternately | <i>-0605</i> |
| 160 | 20/16 | 18 | 2.4/1.6 | 15 | Alternately | <i>-0704</i> |
| 160 | 20/16 | 30 | 2.4/1.6 | 10 | Alternately | <i>-0803</i> |
| 165 | 30/20 | 18 | 2.4/1.6 | 15 | Alternately | <i>-0902</i> |
| 165 | 30/20 | 30 | 2.4/1.6 | 10 | Alternately | <i>-1009</i> |
| 165 | 16 | 18 | 2.4/1.6 | 15 | Alternately | <i>-1108</i> |
| 165 | 16 | 30 | 2.4/1.6 | 10 | Alternately | <i>-1207</i> |
| 170 | 30 | 20 | 2.4/1.6 | 15 | Alternately | <i>-1306</i> |
| 180 | 30/20 | 24 | 2.4/1.6 | 15 | Alternately | <i>-1405</i> |
| 180 | 30/20 | 40 | 2.4/1.6 | 10 | Alternately | <i>-1504</i> |
| 184 | 30/20/16 | 24 | 2.4/1.6 | 15 | Alternately | <i>-1603</i> |
| 184 | 16 | 40 | 2.4/1.6 | 10 | Alternately | <i>-1702</i> |
| 185 | 30/20/16 | 40 | 2.4/1.6 | 10 | Alternately | <i>-1801</i> |
| 190 | 20/16 | 24 | 2.4/1.6 | 15 | Alternately | <i>-1900</i> |
| 190 | 30/20/16 | 24 | 2.4/1.6 | 15 | Alternately | <i>-2007</i> |
| 190 | 30/20/16 | 40 | 2.4/1.6 | 10 | Alternately | <i>-2106</i> |
| 200 | 30/25/15 | 24 | 2.6/1.8 | 15 | Alternately | <i>-2205</i> |
| 200 | 30/25/15 | 40 | 2.6/1.8 | 10 | Alternately | <i>-2304</i> |
| 204 | 30 | 24 | 2.6/1.7 | 22 | Alternately | <i>-2403</i> |
| 210 | 35/30/25/20 | 24 | 2.6/1.8 | 15 | Alternately | <i>-2502</i> |
| 216 | 30 | 50 | 2.8/2.0 | -5 | Trapezoidal | <i>-2601</i> |
| 216 | 30 | 24 | 2.8/2.0 | 10 | Alternately | <i>-2700</i> |
| 235 | 35/30/25 | 40 | 2.8/2.0 | 10 | Alternately | <i>-2809</i> |
| 250 | 30/20 | 24 | 2.8/2.0 | 15 | Alternately | <i>-2908</i> |
| 250 | 30/20 | 40 | 2.8/2.0 | 10 | Alternately | <i>-3005</i> |
| 254 | 30/25/20 | 40 | 2.8/2.0 | 10 | Alternately | <i>-3104</i> |
| 250 | 30/20 | 60 | 2.8/2.0 | 10 | Alternately | <i>-3203</i> |
| 300 | 30 | 30 | 3.2/2.2 | 22 | Alternately | <i>-3302</i> |
| 300 | 30 | 36 | 2.8/1.9 | 22 | Alternately | <i>-3401</i> |
| 300 | 30 | 48 | 2.8/1.9 | 22 | Alternately | <i>-3500</i> |
| 300 | 30 | 60 | 2.8/1.9 | 22 | Alternately | <i>-3609</i> |
| 305 | 30 | 60 | 2.8/1.9 | -5 | Alternately | <i>-3708</i> |
| 315 | 30 | 30 | 3.2/2.2 | 22 | Alternately | <i>-3807</i> |
| 315 | 30 | 48 | 2.8/1.9 | 22 | Alternately | <i>-3906</i> |
| 350 | 30 | 36 | 3.2/2.5 | 22 | Alternately | <i>-4003</i> |
| 350 | 30 | 42 | 3.2/2.2 | 22 | Alternately | <i>-4102</i> |
| 350 | 30 | 56 | 3.2/2.2 | 22 | Alternately | <i>-4201</i> |
| 400 | 30 | 40 | 3.2/2.5 | 22 | Alternately | <i>-4300</i> |
| 400 | 30 | 48 | 3.2/2.2 | 22 | Alternately | <i>-4409</i> |
| 400 | 30 | 64 | 3.2/2.2 | 22 | Alternately | <i>-4508</i> |

| Dia- meter mm | Hole mm | Quantity teeth ea. | Cut width/ blade life mm | Front Angled mm | Tooth grinding | Art. no. <i>20577</i> |
|---|------------|--------------------------|--------------------------------|-----------------------|-------------------|--------------------------|
| Extra thin, circular saw blades for battery powered machines | | | | | | |
| 136 | 10 | 24 | 1.6/1.0 | 15 | Alternately | <i>-5059</i> |
| 165 | 20 | 24 | 1.6/1.0 | 15 | Alternately | <i>-5109</i> |

Circular saw blades

Hard metal saw blade for hand circular and stationary saws

Luna. Circular saw blades Laser. Saw blade for professional use with noise dampening laser groove in the main blade. Available for most hand circular saws on the market. Suitable insert rings for adaptation to the centre on your electrical hand saw 20743 this page.



| Dia- meter mm | Hole mm | Quantity teeth ea. | Cut width/ blade life mm | Front Angled mm | Tooth grinding | Art. no. |
|---------------------|------------|--------------------------|--------------------------------|-----------------------|-------------------|--------------|
| | | | | | | 20045 |
| 152 | 20 | 24 | 2.5/1.5 | 15 | Alternately | -0104 |
| 160 | 20 | 24 | 2.5/1.5 | 15 | Alternately | -0203 |
| 160 | 20 | 36 | 2.5/1.5 | 8 | Alternately | -0302 |
| 160 | 20 | 48 | 2.5/1.5 | 6 | Alternately | -0401 |
| 165 | 20 | 24 | 2.5/1.5 | 15 | Alternately | -0500 |
| 165 | 20 | 36 | 2.5/1.5 | 8 | Alternately | -0609 |
| 165 | 30 | 48 | 2.5/1.5 | 6 | Alternately | -0708 |
| 165 | 30 | 16 | 2.5/1.5 | 22 | Alternately | -0807 |
| 165 | 30 | 24 | 2.5/1.5 | 15 | Alternately | -0906 |
| 165 | 30 | 36 | 2.5/1.5 | 8 | Alternately | -1003 |
| 170 | 30 | 20 | 2.5/1.5 | 22 | Alternately | -1102 |
| 185 | 30 | 28 | 2.5/1.5 | 15 | Alternately | -1201 |
| 185 | 30 | 42 | 2.5/1.5 | 8 | Alternately | -1300 |
| 190 | 20 | 48 | 2.5/1.5 | -5 | Alternately | -1409 |
| 190 | 30 | 24 | 2.5/1.5 | 22 | Alternately | -1508 |
| 190 | 30 | 48 | 2.5/1.5 | 8 | Alternately | -1607 |
| 210 | 30 | 24 | 2.8/1.8 | 22 | Alternately | -1706 |
| 210 | 30 | 48 | 2.8/1.8 | 8 | Alternately | -1805 |
| 210 | 30 | 48 | 2.8/1.8 | -5 | Alternately | -1904 |
| 216 | 30 | 24 | 2.8/1.8 | -5 | Alternately | -2001 |
| 216 | 30 | 32 | 2.8/1.8 | -5 | Alternately | -2100 |
| 216 | 30 | 48 | 2.8/1.8 | -5 | Alternately | -2209 |
| 216 | 30 | 64 | 2.8/1.8 | -5 | Alternately | -2308 |
| 250 | 30 | 30 | 2.8/1.8 | 22 | Alternately | -2407 |
| 250 | 30 | 40 | 2.8/1.8 | 15 | Alternately | -2506 |
| 250 | 30 | 60 | 2.8/1.8 | 8 | Alternately | -2605 |
| 250 | 30 | 60 | 2.8/1.8 | -5 | Alternately | -2704 |
| 250 | 30 | 80 | 2.8/1.8 | 6 | Alternately | -2803 |
| 255 | 30 | 60 | 2.8/1.8 | -5 | Alternately | -2902 |
| 260 | 30 | 40 | 2.8/1.8 | 15 | Alternately | -3009 |
| 260 | 30 | 60 | 2.8/1.8 | 8 | Alternately | -3108 |
| 260 | 30 | 60 | 2.8/1.8 | -5 | Alternately | -3207 |
| 305 | 30 | 60 | 2.8/1.9 | -5 | Alternately | -3306 |

Insert rings

Luna. From metal. For reducing the hole diameter of circular saw blades. Allows greater flexibility – same circular saw blade fits several circular saws.



| | | | | | | | |
|---------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no..... | 20743 | -0109 | -0208 | -0307 | -0356 | -0406 | -0455 |
| Dimension ... | mm | 20×15 | 20×16 | 30×15 | 30×16 | 30×16 | 30×20 |
| Thickness.... | mm | 1.4 | 1.4 | 1.4 | 1.4 | 1.9 | 1.4 |
| Art. no..... | 20743 | -0505 | -0604 | -0653 | -0703 | -0802 | |
| Dimension ... | mm | 30×20 | 30×22.2 | 30×25 | 30×25 | 30×25.4 | |
| Thickness.... | mm | 1.9 | 1.5 | 1.4 | 1.9 | 1.5 | |

Cut-off wheels

For angle grinders

Luna. Cut-off wheels for cutting iron, steel and stainless steel as well as stone, brick, concrete and glazed tiles. Cut-off wheels for metal are iron-free, i.e. have a very low content of iron, chlorine and sulphur. Reinforced. Max. peripheral speed 80 m/s.

| Diam. x thickness x hole mm | Max. speed rpm | For iron and steel | | For brick and concrete | |
|-----------------------------------|----------------------|--------------------|--------------|------------------------|--------------|
| | | Art. no. 20118 | Pack. qty | Art. no. 20119 | Pack. qty |
| 115x1.0x22 | 13300 | -0106 | 25* | - | - |
| 115x1.6x22 | 13300 | -0205 | 25* | -0105 | 25* |
| 125x1.0x22 | 12300 | -0304 | 25* | - | - |
| 125x1.6x22 | 12300 | -0403 | 25* | -0204 | 25* |
| 150x1.6x22 | 10190 | -0502 | 25* | - | - |
| 180x1.6x22 | 8500 | -0601 | 25* | -0303 | 25* |
| 230x1.9x22 | 6650 | -0700 | 25* | -0402 | 25* |

*) Only unopened pack.



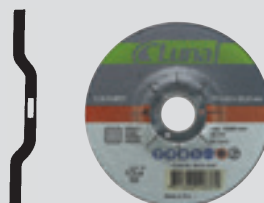
Depressed centre wheels

For angle grinders

Luna. Depressed centre wheels for grinding of iron, steel and stainless steel resp. stone, brick, concrete and glazed tile. Depressed centre wheels for metal are iron-free, i.e. have a very low content of iron, chlorine and sulphur. Reinforced. Max. peripheral speed 80 m/s.

| Diam. x thickness x hole mm | Max. speed rpm | For iron and steel | | For brick and concrete | |
|-----------------------------------|----------------------|--------------------|--------------|------------------------|--------------|
| | | Art. no. 20120 | Pack. qty | Art. no. 20121 | Pack. qty |
| 115x6.5x22 | 13300 | -0102 | 10* | - | - |
| 125x6.5x22 | 12300 | -0201 | 10* | -0101 | 10* |
| 180x6.5x22 | 8500 | -0300 | 10* | -0200 | 10* |
| 230x6.5x22 | 6650 | -0409 | 10* | - | - |

*) Only unopened pack.



Diamond cut-off wheels

For angle grinders

Luna. Concrete. For dry and wet cutting of concrete, brick and stone. Gives coarse cut. Sintered segments, segmented. Max. peripheral speed 80 m/s.

| Diam.xthick- nessxhole mm | Segment heightxwidth mm | Art. no. | Pack. qty |
|---------------------------------|-------------------------------|----------|--------------|
| 115x2.0x22 | 7.0x2.0 | -0102 | 5 |
| 125x2.1x22 | 7.0x2.1 | -0201 | 5 |
| 180x2.4x22 | 7.0x2.4 | -0300 | 5 |
| 230x2.5x22 | 7.0x2.5 | -0409 | 5 |



Luna. Turbo. Sintered, full tuck pointed rim, smooth main blade. For dry and wet cutting of concrete, brick, marble and stone. Max. peripheral speed 80 m/s.

| Diam.xthick- nessxhole mm | Segment heightxwidth mm | Art. no. | Pack. qty |
|---------------------------------|-------------------------------|----------|--------------|
| 115x2.1x22 | 7.0x2.1 | -0100 | 5 |
| 125x2.1x22 | 7.0x2.1 | -0209 | 5 |
| 180x2.5x22 | 7.0x2.5 | -0308 | 5 |
| 230x2.5x22 | 7.0x2.6 | -0407 | 5 |



Luna. Ceram. Sintered, completely flat rim. For dry and wet cutting of glazed tile, clinker and ceramics. Gives a very fine sectional area. Max. peripheral speed 80 m/s.

| Diam.xthick- nessxhole mm | Segment heightxwidth mm | Art. no. | Pack. qty |
|---------------------------------|-------------------------------|----------|--------------|
| 115x1.8x22 | 5.0x1.8 | -0101 | 5 |
| 125x1.8x22 | 5.0x1.8 | -0200 | 5 |
| 180x1.8x25.4/22 | 5.0x1.8 | -0305 | 5 |



Back-up pads



Luna. Support cup for abrasive discs and polishing hats. With 6 mm spindle.

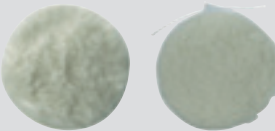
| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 21104 | -0100 | -0209 |
| Type | | Rubber | Velcro |
| Diameter | mm | 125 | 125 |



Luna. Support cup for fibre discs. With M 14 female thread for direct assembly on the machine spindle.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 21105 | -0109 | -0208 |
| Diameter | mm | 125 | 178 |
| Hole thread | | M 14 | M 14 |

Polishing bonnets



20111-0103

20111-0202

Luna. Polishing hat with Velcro back or cord. Used with back-up pad.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 20111 | -0103 | -0202 |
| Attachment | | Velcro | Cord |
| Diameter | mm | 125 | 125 |
| Pack. | qty | 5* | 5* |

*) Only unopened pack.

Polishing sponges



Luna. Polishing sponge 125 mm. With **Velcro back**. Used with back-up pad.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20112 | -0102 |
| Diameter | mm | 125 |
| Pack. | qty | 5* |

*) Only unopened pack.

Sandpaper discs

Luna. Sanding paper discs for wood, paint and metal. Diameter 125 mm. With **Velcro back**.



| Grit size | Quantity discs per pack. | Diameter 125 mm | |
|-----------|--------------------------|-----------------|------------------------|
| | | Art. no. | Quantity pack. per box |
| ness | | 21106 | |
| 50 | 5 | -0108 | 5* |
| 80 | 5 | -0207 | 5* |
| 120 | 5 | -0308 | 5* |
| Grade. | 5 | -0407 | 5* |

*) Only unopened pack.

Sandpaper discs

Luna. Sanding paper discs **PEX** for wood, paint and metal. Diameter 125 mm. With **Velcro back** and 8 dust extraction holes.

| Grit size | Quantity discs per pack. | Diameter 125 mm | |
|----------------|--------------------------|-----------------|-------|
| | | Art. no. | Pack. |
| ness | | 21108 | qty |
| 50 | 5 | -0106 | 5* |
| 80 | 5 | -0205 | 5* |
| 120 | 5 | -0304 | 5* |
| 180 | 5 | -0403 | 5* |
| 240 | 5 | -0502 | 5* |
| 320 | 5 | -0601 | 5* |
| Grade. | 5 | -0700 | 5* |
| Type bulk pack | 20 | -0809 | 5* |

*) Only unopened pack.



Luna. Sanding paper discs **PEX** for wood, paint and metal. Diameter 125 mm. With **Velcro back** and 8 dust extraction holes. **NO-FILL** with special coating, stearate coated, counteracts clogging and makes the abrasive paper free cutting and strong; particularly suitable for varnish and filler.

| Grit size | Diameter 125 mm | | Diameter 125 mm Bulk pack | | |
|-----------|-----------------|--------------------------|---------------------------|--------------------------|------------------------|
| | Art. no. | Quantity discs per pack. | Art. no. | Quantity discs per pack. | Quantity pack. per box |
| ness | 20098 | | 20098 | | |
| 40 | -0100 | 5 | 5* | 25 | 5* |
| 60 | -0209 | 5 | 5* | 25 | 5* |
| 80 | -0308 | 5 | 5* | 25 | 5* |
| 120 | -0407 | 5 | 5* | 25 | 5* |
| Grade. | -0506 | 5 | 5* | 25 | 5* |

*) Only unopened pack.



Fibre discs

Luna. Fibre discs for machine sanding of wood, paint and metal.

| Grit size | Quantity discs per pack. | 125x22 mm | | 178x22 mm | |
|-----------|--------------------------|--------------|------------------------|--------------|------------------------|
| | | Art. no. | Quantity pack. per box | Art. no. | Quantity pack. per box |
| ness | | 20099 | | 20099 | |
| 36 | 5 | -0109 | 5* | -0406 | 5* |
| 50 | 5 | -0208 | 5* | -0505 | 5* |
| 80 | 5 | -0307 | 5* | -0604 | 5* |

*) Only unopened pack.



Flap discs

Luna. Flap discs for grinding iron, steel and stainless steel. Built-up of rectangular abrasive cloth flaps, overlapping each other and bonded on a reinforced fibre backing. The convex form is ideal for both fine grinding with the full area and for grinding with a high peripheral working pressure. Max. periphery speed 80 m/sec.

| Grit size | 125x22 mm convex | |
|-----------|------------------|----------------------|
| | Art. no. | Pack. |
| ness | 20117 | |
| | | Max. speed 12200 rpm |
| 40 | -0107 | 10* |
| 60 | -0206 | 10* |
| 80 | -0305 | 10* |

*) Only unopened pack.



Convex



Flap wheels

Luna. Flap wheel with abrasive cloth radially attached in Bakelite hub for sanding of wood, paint and metal. For sanding of contoured surfaces and internal sanding. Shank diameter 6 mm.

| Art. no..... | 20100 | -0106 | -0205 | -0304 |
|----------------|-------|-------|-------|-------|
| Diameter..... | mm | 20 | 50 | 60 |
| Width..... | mm | 20 | 20 | 40 |
| Grit size..... | | 80 | 80 | 80 |
| Pack..... | qty | 5* | 5* | 5* |

*) Only unopened pack.

Abrasive sheet

Dry sanding paper (Emery-cloth)

Luna. Abrasive paper sheet for hand sanding of wood, paint and metal. Sheet size 230x280 mm.

| | | | |
|--------------------|-----------|--------------|------------|
| Art. no..... | 20101 | -0105 | -0204 |
| Grit size..... | | 50 | 80 |
| No. of sheets..... | per pack. | 5 | 5 |
| No. pack..... | | 10* | 10* |
| Art. no..... | 20101 | -0303 | -0402 |
| Grit size..... | | 120 | 180 |
| No. of sheets..... | per pack. | 5 | 5 |
| No. pack..... | | 10* | 10* |
| Art. no..... | 20101 | -0501 | -0600 |
| Grit size..... | | Grade. | Wet grade. |
| No. of sheets..... | per pack. | 5 | 5 |
| No. pack..... | | 10* | 10* |
| Art. no..... | 20101 | -0709 | |
| Grit size..... | | Emery grade. | |
| No. of sheets..... | per pack. | 5 | |
| No. pack..... | | 10* | |

*) Only unopened pack.

For surface grinders

Luna. Abrasive paper sheet for machine and hand sanding of wood, paint and metal.

| Grit size | Quantity sheets per pack. | 93x230 mm | | 115x280 mm | |
|----------------|---------------------------|-----------|------------------------|------------|------------------------|
| | | Art. no. | Quantity pack. per box | Art. no. | Quantity pack. per box |
| | | 20102 | | 20103 | |
| 50 | 5 | -0104 | 5* | -0103 | 5* |
| 80 | 5 | -0203 | 5* | -0202 | 5* |
| 120 | 5 | -0302 | 5* | -0301 | 5* |
| 180 | 5 | -0401 | 5* | -0400 | - |
| 240 | 5 | -0500 | 5* | -0509 | - |
| Grade. | 5 | -0609 | 5* | - | - |
| Type bulk pack | 50 | -0708 | 5* | - | - |

*) Only unopened pack.



Luna. Abrasive paper sheet for machine sanding of wood, paint and metal. Sheet size 93x185 mm. With **Velcro back** and dust extraction holes.

| | | |
|--------------------|-----------|--------|
| Art. no..... | 20104 | -0102 |
| Grit size..... | | Grade. |
| No. of sheets..... | per pack. | 5 |
| No. per pack..... | per box | 5* |

*) Only unopened pack.

Abrasive sheet

Triangular

Luna. Abrasive paper sheet for machine sanding of wood, paint and metal. Sheet size 93x93x93 mm. With **Velcro back** and dust extraction holes. **NO-FILL** with special coating, stearate coated, counteracts clogging and makes the abrasive paper free cutting and strong; particularly suitable for varnish and filler.



20106



20107

| Grit size | 93x93x93 mm | | | 93x93x93 mm NO-FILL | | | 93x93x93 mm NO-FILL Bulk pack | | |
|-----------|--------------|---------------------------|------------------------|---------------------|---------------------------|------------------------|-------------------------------|---------------------------|------------------------|
| | Art. no. | Quantity sheets per pack. | Quantity pack. per box | Art. no. | Quantity sheets per pack. | Quantity pack. per box | Art. no. | Quantity sheets per pack. | Quantity pack. per box |
| | 20106 | | | 20107 | | | 20107 | | |
| 50 | -0100 | 5 | 5* | -0109 | 5 | 5* | -0505 | 25 | 5* |
| 80 | -0209 | 5 | 5* | -0208 | 5 | 5* | -0604 | 25 | 5* |
| 120 | -0308 | 5 | 5* | -0307 | 5 | 5* | -0703 | 25 | 5* |
| 240 | -0407 | 5 | 5* | - | - | - | - | - | - |
| Grade. | -0506 | 20 | 5* | -0406 | 20 | 5* | - | - | - |

*) Only unopened pack.

Luna. Abrasive paper sheet for machine sanding of wood, paint and metal. Sheet size 95x145 mm. With **Velcro back** and dust extraction holes.

| Grit size | Quantity sheets per pack. | 95x145 mm | |
|----------------|---------------------------|--------------|----------------|
| | | Art. no. | Quantity pack. |
| ness | | 20108 | |
| 50 | 5 | -0108 | 5* |
| 80 | 5 | -0207 | 5* |
| 120 | 5 | -0306 | 5* |
| 180 | 5 | -0405 | 5* |
| 240 | 5 | -0504 | 5* |
| Grade. | 5 | -0603 | 5* |
| Type bulk pack | 20 | -0702 | 5* |

*) Only unopened pack.



Luna. Abrasive paper sheet for machine sanding of wood, paint and metal. Sheet size 105x175 mm. With **Velcro back** and dust extraction holes.

| Grit size | Quantity sheets per pack. | 105x175 mm | |
|----------------|---------------------------|--------------|------------------------|
| | | Art. no. | Quantity pack. per box |
| ness | | 20109 | |
| 50 | 5 | -0107 | 5* |
| 80 | 5 | -0206 | 5* |
| 120 | 5 | -0305 | 5* |
| 240 | 5 | -0404 | 5* |
| Grade. | 5 | -0503 | 5* |
| Type bulk pack | 20 | -0602 | 5* |

*) Only unopened pack.



Abrasive belts

For wood and metal sanding

Luna. Abrasive cloth belt for machine sanding of wood, paint and metal.

| Dimensions mm | Quantity belts per pack. | Grit 40 | | Grit 80 | | Grit 120 | |
|---------------|--------------------------|--------------|------------------------|--------------|------------------------|--------------|------------------------|
| | | Art. no. | Quantity pack. per box | Art. no. | Quantity pack. per box | Art. no. | Quantity pack. per box |
| | | 20110 | | 20110 | | 20110 | |
| 60x400 | 2 | -0104 | 5* | -0203 | 5* | -0302 | 5* |
| 65x410 | 2 | -0401 | 5* | -0500 | 5* | -0609 | 5* |
| 75x457 | 2 | -0708 | 5* | -0807 | 5* | -0906 | 5* |
| 75x480 | 2 | -1003 | 5* | -1102 | 5* | -1201 | 5* |
| | | -1300 | 5* | -1409 | 5* | -1508 | 5* |
| 75x510 | 2 | -1607 | 5* | -1706 | 5* | -1805 | 5* |
| 75x533 | 2 | -1904 | 5* | -2001 | 5* | -2100 | 5* |
| 100x552 | 2 | -2209 | 5* | -2308 | 5* | -2407 | 5* |
| 100x560 | 2 | -2506 | 5* | -2605 | 5* | -2704 | 5* |
| 100x620 | 2 | -2803 | 5* | -2902 | 5* | -3009 | 5* |

*) Only unopened pack.



Axial brushes

With 6 mm stub axle

Luna. With wavy steel wire for lighter cleaning work and surface treatment.



| Art. no. | 20151 | -0104 | -0203 |
|----------------------|-------|-------|-------|
| Diameter | mm | 40 | 60 |
| Wire thickness | mm | 0.30 | 0.30 |
| Max. speed | rpm | 13000 | 10000 |
| Pack. | qty | 5 | 5 |

With thread

Luna. With wavy steel wire for lighter cleaning work and surface treatment.



| Art. no. | 20155 | -0100 |
|---------------------|-------|-------|
| Diameter | mm | 70 |
| Wire diameter | mm | 0.30 |
| Thread | | M 14 |
| Max. speed | rpm | 12500 |
| Pack. | qty | 4 |

Luna. With wound steel wire for demanding cleaning work and surface treatment.



| Art. no. | 20153 | -0102 | -0201 |
|-------------------------|-------|-------|-------|
| Diameter | mm | 65 | 65 |
| Wire thickness | mm | 0.35 | 0.50 |
| Row quantity | | 1 | 1 |
| Shaft hole thread | | M 14 | M 14 |
| Max. speed | rpm | 12500 | 12500 |
| Pack. | qty | 4 | 4 |

Luna. Slightly cupped. With wound steel wire for demanding cleaning work and surface treatment.



| Art. no. | 20150 | -0105 | -0204 |
|---------------------|-------|-------|-------|
| Diameter | mm | 100 | 115 |
| Wire diameter | mm | 0.35 | 0.35 |
| Row quantity | | 1 | 1 |
| Hub bore | | M 14 | M 14 |
| Max. speed | rpm | 12500 | 12500 |
| Pack. | qty | 4 | 4 |

End brushes

With 6 mm stub axle

Luna. With wavy steel wire for lighter cleaning work and surface treatment.



| Art. no. | 20152 | -0103 | -0202 |
|----------------------|-------|-------|-------|
| Diameter | mm | 15 | 26 |
| Wire thickness | mm | 0.40 | 0.50 |
| Max. speed | rpm | 20000 | 20000 |
| Pack. | qty | 5 | 5 |

Circular brushes

With 6 mm stub axle

Luna. With wavy steel wire for lighter cleaning work and surface treatment.



| Art. no. | 20154 | -0101 | -0200 | -0309 | -0408 |
|----------------------|-------|-------|-------|-------|-------|
| Diameter | mm | 25 | 50 | 75 | 100 |
| Width | mm | 7 | 14 | 14 | 14 |
| Wire thickness | mm | 0.20 | 0.30 | 0.30 | 0.30 |
| Max. speed | rpm | 20000 | 20000 | 12000 | 7000 |
| Pack. | qty | 5 | 5 | 5 | 5 |

Luna. With wound steel wire for demanding cleaning work and surface treatment.



| Art. no. | 20149 | -0109 |
|----------------------|-------|-------|
| Diameter | mm | 75 |
| Width | mm | 7 |
| Wire thickness | mm | 0.35 |
| Max. speed | rpm | 20000 |
| Pack. | qty | 5 |

Drill chucks

Luna. Three-jaw drill chucks with chuck key. Chucks with threaded mounting hole are through-bored with the possibility of screw locking for right and left hand rotation.

| Clamping width mm | Outside diam. mm | Length open mm | Spanner DIN 6349/4 | Drive | Art. no. |
|----------------------|---------------------|-------------------|--------------------------|--------|----------|
| 1.5-10 | 34 | 49 | S 1 | 3/8x24 | -0109 |
| 1.5-10 | 34 | 49 | S 1 | 1/2x20 | -0208 |
| 1.5-13 | 42 | 59 | S 2 | 1/2x20 | -0307 |



Luna. Three-jaw key chucks. Key chuck with conical attachment hole recommended for electricity-powered portable machines.
Drill chuck arbors, see page 337.

| Clamping width mm | Outside diam. mm | Length open mm | Spanner DIN 6349/4 | Drive | Art. no. |
|----------------------|---------------------|-------------------|--------------------------|-------|----------|
| 0.5-10 | 34.5 | 49 | S 2 | B 12 | -0108 |
| 1-13 | 52 | 69 | S 3 | B 16 | -0207 |
| 3-16 | 49.5 | 75 | S 3 | B 18 | -0306 |
| 5-20 | 65 | 92 | S 4 | B 22 | -0405 |



Luna. Three-jaw. The jaws are hardened and ground. Key holes hardened. With tapered mounting hole according to DIN 238 or with threaded mounting hole. Key supplied.

*** marked chucks with threaded mounting hole through-bored with the possibility of screw locking for right and left hand rotation**

Drill chuck arbors, see page 337.

| Clamping width mm | Outside diam. mm | Length open mm | Spanner DIN 6349/4 | Drive | Art. no. |
|----------------------|---------------------|-------------------|--------------------------|--------|----------|
| 1.5-10* | 34 | 49 | S 2 | 3/8x24 | -0402 |
| 1.5-13* | 42 | 59 | S 2 | 1/2x20 | -0709 |



With 1/4" ⬡-drive

Luna. For drill/screw driver with 1/4" ⬡-drive. For right/left rotation. Three-jaw. The jaws are hardened and ground. Key supplied.

| | | |
|------------------------|-------|---------|
| Art. no. | 20993 | -0106 |
| Clamping width | mm | 0.5-6.5 |
| Outside diameter | mm | 30 |



Chuck keys

Luna. For three-jaw drill chucks.

| Art. no. | 20083 | -0206 | -0404 | -0503 |
|-----------------------|-------|-------|-------|-------|
| For Luna chucks | mm | 10 | 13 | 16 |
| Size DIN 6349/4 | | S 1 | S 2 | S 3 |
| Size D | No | 6 M | 13 M | 16 M |
| Size L1 | mm | 35 | 39 | 45 |
| Size L | mm | 56 | 80 | 110 |



Keyless

For hammer drills

Luna. Safety chuck with self-locking system specially designed for hammer drilling machines. High clamping force. Three-jaw. Hardened and ground jaws. Through-bored with the possibility of screw locking for right and left hand rotation. With metal casing for greater durability.

| Art. no. | 20992 | -0107 | -0206 | -0305 | -0404 | -0503 |
|------------------------------|-------|--------|--------|--------|--------|--------|
| Luna | No | 13 | P 10 | P 10 | P 13 | P 13 |
| Threaded mounting hole | UNF | 1/2x20 | 3/8x24 | 1/2x20 | 3/8x24 | 1/2x20 |
| Span width | mm | 2-13 | 0.8-10 | 0.8-10 | 1.5-13 | 1.5-13 |
| Outside diameter | mm | 43 | 41 | 41 | 43 | 43 |
| Length | mm | 67-75 | 54-64 | 54-64 | 62-75 | 62-75 |



20992-0107



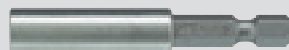
20992-0503

Bit holder - with magnet



Luna. Bit holder with recessed magnet. Stainless in one piece. 1/4"-drive.

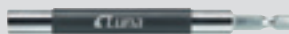
| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 20136 | -0104 | -1003 |
| For bits | inch | 1/4 | 1/4 |
| Length | mm | 57 | 150 |
| Diameter | mm | 10 | 10 |
| Pack. | qty | 5 | 5 |



Luna. Bit holder with recessed magnet. Stainless sleeve. 1/4"-drive.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 20135 | -0105 | -1004 |
| For bits | inch | 1/4 | 1/4 |
| Length | mm | 60 | 75 |
| Diameter | mm | 10 | 10 |
| Pack. | qty | 5 | 5 |

Bit holder - with magnet and protective sleeve



Luna. Bit holder with recessed magnet and screw guide. With 1/4"-drive.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 20137 | -0103 | -1002 |
| For bits | inch | 1/4 | 1/4 |
| Length | mm | 80 | 120 |
| Diameter | mm | 10 | 10 |
| Pack. | qty | 5 | 5 |



Luna. Magnetic sleeve with hex opening with recessed magnet that holds the screw. 1/4"-drive.

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20138 | -0102 | -1001 | -2009 |
| Size for screws | inch/mm | 1/4 | 8 | 10 |
| Length | mm | 48 | 48 | 48 |
| Pack. | qty | 5 | 5 | 5 |

Bit holder - with quick release chuck



Luna. Quick chuck holder with recessed magnet and ball lock. 1/4"-drive.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20133 | -0107 |
| For bits | inch | 1/4 |
| Length | mm | 50 |
| Pack. | qty | 5 |



Luna. Quick chuck for bits with shoulder. 1/4"-drive.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20134 | -0106 |
| For bits | inch | 1/4 |
| Length | mm | 65 |
| Pack. | qty | 5 |



Luna. With quick chuck and ball-lock. For bits with shoulder and standard bits. 1/4"-drive.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20134 | -0205 |
| For bits | inch | 1/4 |
| Length | mm | 64 |
| Pack. | qty | 5 |

Bits for slotted heads

Luna. Standard bits for slotted heads. With 1/4"-drive.

| | | | | | |
|--------------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20122 | -0100 | -1009 | -2007 | -3005 |
| Driver thickness x width | mm | 0.6 x 3.5 | 0.6 x 4.5 | 0.8 x 5.5 | 1.2 x 6.5 |
| Length | mm | 25 | 25 | 25 | 25 |
| Number of bits per | pack. | 2 | 2 | 2 | 2 |
| Pack. | frp | 5 | 5 | 5 | 5 |
| Art. no. | 20122 | -4003 | -5000 | -6008 | -7006 |
| Driver thickness x width | mm | 0.6 x 3.5 | 0.6 x 4.5 | 0.8 x 5.5 | 1.2 x 6.5 |
| Length | mm | 25 | 25 | 25 | 25 |
| Number of bits per | pack. | 10 | 10 | 10 | 10 |
| Pack. | frp | 3 | 3 | 3 | 3 |



Bits for Phillips heads

Luna. Standard bits for Phillips heads. With 1/4"-drive.

| | | | | |
|--------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20123 | -0109 | -1008 | -2006 |
| Phillips-head | No | 1 | 2 | 3 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 2 | 2 | 2 |
| Pack. | frp | 5 | 5 | 5 |
| Art. no. | 20123 | -3004 | -4002 | -5009 |
| Phillips-head | No | 1 | 2 | 3 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 10 | 10 | 10 |
| Pack. | frp | 3 | 3 | 3 |
| Art. no. | 20123 | - | -6007 | - |
| Phillips-head | No | - | 2 | - |
| Length | mm | - | 25 | - |
| Number of bits per | pack. | - | 50 | - |
| Pack. | frp | - | 3 | - |



Luna. Bits with machined throat. For cross heads Phillips according to the **American standard** (shallower hole). Also fits in heads according to the European standard. Suitable for tightening plasterboard screws. with 1/4"-drive.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 20124 | -0108 |
| Phillips-head | No | 2 |
| Length | mm | 25 |
| Number of bits per | pack. | 2 |
| Pack. | frp | 5 |
| Art. no. | 20124 | -1007 |
| Length | mm | 25 |
| Number of bits per | pack. | 10 |
| Pack. | frp | 3 |
| Art. no. | 20124 | -2005 |
| Length | mm | 25 |
| Number of bits per | pack. | 50 |
| Pack. | frp | 3 |



Bits for Phillips heads

Long bits



Luna. Standard bits for Phillips heads. With 1/4"-drive.

| Length 50 mm | | 20129 | -0103 |
|--------------------|--|-------|-------|
| Art. no. | | No | 2 |
| Phillips-head | | pack. | 2 |
| Number of bits per | | frp | 5 |
| Pack. | | | |
| Length 150 mm | | 20129 | -2000 |
| Art. no. | | No | 2 |
| Phillips-head | | pack. | 10 |
| Number of bits per | | frp | 3 |
| Pack. | | | |
| Length 150 mm | | 20129 | -1002 |
| Art. no. | | No | 2 |
| Phillips-head | | pack. | 1 |
| Number of bits per | | qty | 5 |
| Pack. | | | |

Bits for Pozidriv and Supadriv heads

Luna. Standard bits for Pozidriv and Supadriv cross heads. With 1/4"-drive.



| | | | | |
|--------------------|-------|-------|-------|-------|
| Art. no. | 20125 | -0107 | -1006 | -2004 |
| Pozidriv head | No | 1 | 2 | 3 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 2 | 2 | 2 |
| Pack. | frp | 5 | 5 | 5 |
| Art. no. | 20125 | -3002 | -4000 | -5007 |
| Pozidriv head | No | 1 | 2 | 3 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 10 | 10 | 10 |
| Pack. | frp | 3 | 3 | 3 |
| Art. no. | 20125 | -6005 | -7003 | -8001 |
| Pozidriv head | No | 1 | 2 | 3 |
| Length | mm | 25 | 25 | 25 |
| Number of bits per | pack. | 50 | 50 | 50 |
| Pack. | frp | 3 | 3 | 3 |

Long bits



Luna. Standard bits for Pozidriv and Supadriv cross heads. With 1/4"-drive.

| Length 50 mm | | 20130 | -0100 | -1009 | -2007 |
|--------------------|--|-------|-------|-------|-------|
| Art. no. | | No | 1 | 2 | 3 |
| Phillips-head | | pack. | 2 | 2 | 2 |
| Number of bits per | | frp | 5 | 5 | 5 |
| Pack. | | | | | |
| Art. no. | | 20130 | -4003 | -5000 | -6008 |
| Phillips-head | | No | 1 | 2 | 3 |
| Number of bits per | | pack. | 10 | 10 | 10 |
| Pack. | | frp | 3 | 3 | 3 |
| Length 150 mm | | 20130 | - | -3005 | - |
| Art. no. | | No | - | 2 | - |
| Phillips-head | | pack. | - | 1 | - |
| Number of bits per | | qty | - | 5 | - |
| Pack. | | | | | |

Bits for Pozidriv and Supadriv heads

Long bits

Luna. Double bits for crosspoint tip. With 1/4"-drive.



| Art. no. | 20132 | -0108 | -1007 |
|-------------------------|-------|-------|-------|
| Phillips-head | No | 1, 2 | - |
| Pozidriv-head | No | - | 1, 2 |
| Length | mm | 65 | 65 |
| Number of bits per pack | pack. | 2 | 2 |
| Pack | frp | 5 | 5 |

Bits for hex holes

Luna. Standard bits for hex holes. With 1/4"-drive.



| Art. no. | 20126 | -0106 | -1005 | -2003 | -3001 |
|-------------------------|-------|-------|-------|-------|-------|
| For hex holes | mm | 3 | 4 | 5 | 6 |
| Length | mm | 25 | 25 | 25 | 25 |
| Number of bits per pack | pack. | 2 | 2 | 2 | 2 |
| Pack | frp | 5 | 5 | 5 | 5 |

| Art. no. | 20126 | -4009 | -5006 | -6004 | -7002 |
|-------------------------|-------|-------|-------|-------|-------|
| For hex holes | mm | 3 | 4 | 5 | 6 |
| Length | mm | 25 | 25 | 25 | 25 |
| Number of bits per pack | pack. | 10 | 10 | 10 | 10 |
| Pack | frp | 3 | 3 | 3 | 3 |

Bits for TX-heads



Luna. Torx standard bits for internal six point heads. With 1/4"-drive.

| Art. no. | 20128 | -0104 | -0500 | -1003 | -1508 | -2001 | -2506 | -3009 |
|------------------------------|-------|------------|------------|------------|------------|------------|----------|----------|
| TX-slot | No | TX10 | TX15 | TX20 | TX25 | TX27 | TX30 | TX40 |
| Length | mm | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Max. spårviddMax. head width | mmmm | 2.792.79 | 3.273.27 | 3.863.86 | 4.434.43 | 4.994.99 | 5.525.52 | 6.656.65 |
| För skruvFor screw | MM | 3-3.53-3.5 | 3.5-43.5-4 | 4-4.54-4.5 | 4.5-54.5-5 | 4.5-64.5-6 | 6-76-7 | 7-87-8 |
| Number of bits per pack | pack. | 2 | 2 | 2 | 2 | 2 | 2 | 2 |
| Pack | frp | 5 | 5 | 5 | 5 | 5 | 5 | 5 |

| Art. no. | 20128 | -3504 | -4007 | -4502 | -5004 | -5509 | -6002 | -6507 |
|-------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| TX-slot | No | TX10 | TX15 | TX20 | TX25 | TX27 | TX30 | TX40 |
| Length | mm | 25 | 25 | 25 | 25 | 25 | 25 | 25 |
| Number of bits per pack | pack. | 10 | 10 | 10 | 10 | 10 | 10 | 10 |
| Pack | frp | 3 | 3 | 3 | 3 | 3 | 3 | 3 |

| Art. no. | 20128 | -7000 | - | -7505 | -8008 | - | -8503 | - |
|-------------------------|-------|-------|---|-------|-------|---|-------|---|
| TX-slot | No | TX10 | - | TX20 | TX25 | - | TX30 | - |
| Length | mm | 25 | - | 25 | 25 | - | 25 | - |
| Number of bits per pack | pack. | 50 | - | 50 | 50 | - | 50 | - |
| Pack | frp | 3 | - | 3 | 3 | - | 3 | - |



Bits for TX-heads

Luna. TX bits with holes for tamper proof screws.. For internal sex point heads according to TX-system. The head gives minimal loss of torque transmission. With 1/4" drive.

| | | | | | |
|----------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20035 | -0106 | -0205 | -0304 | -0403 |
| TX-no | No | TX10 | TX15 | TX20 | TX25 |
| Max. head width | mm | 2.79 | 3.27 | 3.86 | 4.43 |
| For screw | M | 3-3.5 | 3.5-4 | 4-4.5 | 4.5-5 |
| Length | mm | 25 | 25 | 25 | 25 |
| Number of bits per | pack. | 2 | 2 | 2 | 2 |
| Pack. | frp | 5 | 5 | 5 | 5 |
| Ditto 10 pack | 20035 | - | - | -0809 | -0908 |
| Number of bits per | pack. | - | - | 10 | 10 |
| Pack. | frp | - | - | 5 | 5 |
| Art. no. | 20035 | -0502 | -0601 | -0700 | |
| TX-no | No | TX27 | TX30 | TX40 | |
| Max. head width | mm | 4.99 | 5.52 | 6.65 | |
| For screw | M | 4.5-6 | 6-7 | 7-8 | |
| Length | mm | 25 | 25 | 25 | |
| Number of bits per | pack. | 2 | 2 | 2 | |
| Pack. | frp | 5 | 5 | 5 | |
| Ditto 10 pack | 20035 | - | - | - | |
| Number of bits per | pack. | - | - | - | |
| Pack. | frp | - | - | - | |



Long bits

Luna. Torx standard bits for internal six point heads. With 1/4" drive.

| | | | | | |
|--------------------------|--------------|--------------|--------------|--------------|--------------|
| Length 50 mm | | | | | |
| Art. no. | 20131 | -0109 | -0505 | -1008 | -1503 |
| TX-slot | No | TX10 | TX20 | TX25 | TX30 |
| Number of bits per | pack. | 2 | 2 | 2 | 2 |
| Pack. | frp | 5 | 5 | 5 | 5 |
| Art. no. | 20131 | -5504 | -6007 | -6502 | -7005 |
| TX-slot | No | TX10 | TX20 | TX25 | TX30 |
| Number of bits per | pack. | 10 | 10 | 10 | 10 |
| Pack. | frp | 3 | 3 | 3 | 3 |
| Length 70 mm | | | | | |
| Art. no. | 20131 | -2006 | -2501 | -3004 | -3509 |
| TX-slot | No | TX10 | TX20 | TX25 | TX30 |
| Number of bits per | pack. | 1 | 1 | 1 | 1 |
| Pack. | qty | 5 | 5 | 5 | 5 |
| Length 150 mm | | | | | |
| Art. no. | 20131 | -4002 | -4507 | -5009 | - |
| TX-slot | No | TX10 | TX20 | TX25 | - |
| Number of bits per | pack. | 1 | 1 | 1 | - |
| Pack. | qty | 5 | 5 | 5 | - |



Bits for square female heads

Luna. Standard bits for Robertson square recessed heads. With 1/4" drive.

| | | | |
|---------------------------------|--------------|--------------|--------------|
| Art. no. | 20127 | -0105 | -1004 |
| For square recessed heads | No | 1 | 2 |
| Length | mm | 25 | 25 |
| Number of bits per | pack. | 2 | 2 |
| Pack. | frp | 5 | 5 |
| Art. no. | 20127 | -2002 | -3000 |
| For square recessed heads | No | 1 | 2 |
| Length | mm | 25 | 25 |
| Number of bits per | pack. | 10 | 10 |
| Pack. | frp | 3 | 3 |

Bit sets

Luna. 25 part bit set with quick chuck holder in practical storage box with belt clip. 1/4" \odot -drive.

| Art. no. | 20139 | -0101 | -1000 |
|-------------------------------------|-------|----------------------------|--------------------------------|
| Model | | A | B |
| Bits for slotted heads | mm | 3.5, 4.5, 5.5, 6.5 | - |
| Bits for Phillips heads | No | 1, 2, 3 | - |
| Bits for Phillips heads (grabber) | No | 2 | 2 (3 pc) |
| Bits for Pozidriv heads | No | 1, 2, 3 | 1, 2, 3 (3 pc of each) |
| Bits for square hole | No | 1, 2 | - |
| Bits for hexagon hole | mm | 3, 4, 5, 6 | - |
| Bits for TX heads | No | 10, 15, 20, 25, 27, 30, 40 | 10, 20, 25, 30, (3 pc of each) |
| Bit holder with quick chuck, length | mm | 50 | 50 |
| Pack. | qty | 10 | 10 |



20139-0101

Luna. 31 part bit set with magnetic bit holder in practical storage box with belt clip. 1/4" \odot -drive.

| Art. no. | 20140 | -0108 |
|--|-------|--|
| No. of pieces | ea | 31 |
| Bits for slotted heads | mm | 3.5, 4.5, 5.5, 6.5 |
| Bits for Phillips heads | No | 1, 2 (x 2), 3 |
| Bits for Phillips head (grabber) | No | 2 (2) |
| Bits for Pozidriv heads | No | 1, 2 (x 2), 3 |
| Bits for square hole | No | 1, 2 |
| Bits for hexagon hole | mm | 3, 4, 5, 6 |
| Bits for TX heads | No | 10 (x 2), 15, 20 (x 2), 25 (x 2), 27, 30, 40 |
| Stainless bit holder with magnet, length | mm | 57 |
| Plastic holder for 10 bits | ea | 3 |
| Pack. | qty | 10 |



Luna. 30 part bit and drill set. Supplied in plastic case.

| Art. no. | 20141 | -0107 |
|---|-----------|------------------------|
| Bits for slotted heads (25 mm) | mm | 3.5, 4.5 |
| Bits for Phillips heads (25 mm) | No | 1, 2, 3 |
| Bits for Phillips heads (grabber 25 mm) | No | 2 (2) |
| Bits for Pozidriv heads (25 mm) | No | 1 2 3 |
| Bits for Torx-heads (25 mm) | No | 10, 15, 20, 25, 30, 40 |
| Bits for slotted heads (50 mm) | mm | 5.5 |
| Bits for Phillips heads (50 mm) | No | 2 |
| Bits for Pozidriv heads (50 mm) | No | 2 |
| Drill with bit attachment | mm | 2, 2.5, 3, 4, 5 |
| Countersink | mm | 35 |
| Magnetic sleeve for screws | inches/mm | 1/4, 8, 10 |
| Quick chuck for bits with shoulder | inch | 1/4 |
| Bit holder with screw guide | mm | 75 |
| Pack. | qty | 5 |



Luna. Sets of 10 pieces, Torx set or mixed set. Bit holder with quick chuck. Supplied in plastic case.

| Art. no. | 20166 | -0107 | -0206 |
|-----------------------------------|-------|-----------------------------------|---------|
| Type | | TX | Mixed |
| Bits for TX heads | TX | 10, 15, 20 (2), 25 (2) 27, 30, 40 | 20, 25 |
| Bits for slotted heads | mm | - | 5.5 |
| Bits for Phillips heads | No | - | 2 |
| Bits for Phillips heads (Grabber) | No | - | 2 (2) |
| Bits for Pozidriv-heads | No | - | 1, 2, 3 |
| Pack. | qty | 12 | 12 |



Hand tools

A variety of hammers, pliers, chisels, saws, measuring tapes, clamps and hex keys are just a few of the hand tools Luna has on offer, a programme that will be gradually extended.

The focus is on design, ergonomics and functionality; all for the benefit of the user.



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Carpenter's hammers with tubular steel handle

Luna. Mini hammer. Oval, chromium plated tubular handle. Perforated rubber grip.



| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 20919 | -0107 |
| Weight without handle | oz | 8 |
| Weight with handle | g | 430 |
| Handle length | mm | 280 |
| Head diameter | mm | 20 |
| Pack. | qty | 6 |

Luna. With round face and octagonal throat. Chrome, oval steel handle covered with perforated rubber grip.



| | | | | |
|-----------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20051 | -0105 | -0204 | -0303 |
| Weight without handle | oz | 13 | 16 | 20 |
| Weight with handle | g | 575 | 675 | 790 |
| Length of handle | mm | 315 | 315 | 340 |
| Head diameter | mm | 25 | 27 | 29 |
| Pack. | qty | 6 | 6 | 6 |

Luna. With **magnet and groove** in the head that holds brads. Round face and octagonal throat. Chrome, oval steel tube handle with perforated rubber grip.



| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 20052 | -0104 |
| Weight without handle | oz | 16 |
| Weight with handle | g | 675 |
| Head diameter | mm | 28 |
| Pack. | qty | 6 |

Carpenter's hammer with fibre glass handle

Luna. With round face and octagonal throat. Equipped with fibre glass handle with rubber grip.



| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 20053 | -0103 |
| Weight without handle | oz | 16 |
| Weight with handle | g | 720 |
| Length of handle | mm | 320 |
| Head diameter | mm | 27 |
| Pack. | qty | 6 |

Bricklayer's hammers with steel tube handle

Luna. With square face and steel tube handle, covered with perforated rubber grip. Black enamelled neck, otherwise polished finish.



| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 20054 | -0102 |
| Weight without handle | oz | 16 |
| Weight with handle | g | 700 |
| Pack. | qty | 6 |

Chisel hammers

Bore hammers

Luna. Hammer finish. Oval steel tube handle, covered with perforated rubber grip.



| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 20055 | -0101 |
| Weight without handle | g | 1200 |
| Weight with handle | g | 1500 |
| Pack. | qty | 6 |

Centre punches

Luna. Made of tool steel. Tapered with 60° tip. With round knurled shank.

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20859 | -0109 | -0208 | -0307 | -0406 |
| Tip diameter | mm 2 | 3 | 4 | 6 | |
| Total length | mm 100 | 100 | 100 | 100 | |



Hole punches

Nail punches

Luna. Made of tool steel. Flat tip. With round knurled shank.

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20861 | -0105 | -0204 | -0303 |
| Tip diameter | mm 2 | 3 | 4 | |
| Total length | mm 100 | 100 | 100 | |



Luna. Made of tool steel. Concave tip. With round knurled shank.

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20860 | -0106 | -0205 | -0304 |
| Tip diameter | mm 2 | 3 | 4 | |
| Total length | mm 100 | 100 | 100 | |



Luna. Nail punch set Made of black oxidized chrome vanadium steel. Rubber covered handle. Concave tip.

| | | |
|-----------------------|------------------|--------------|
| Art. no. | 20858 | -0100 |
| Tip diameters | mm 1.5 2.5 3.0 | |
| Length | mm 125 | |



Chisels

Mortise chisel

Luna. Mortise chisel with grip-friendly handle in a two component material. Supplied in suspension pack.

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20849 | -0201 | -0300 | -0409 | -0508 | -0607 | -0706 |
| Width | mm 6 | 8 | 10 | 12 | 14 | 16 | |
| Pack | qty 1 | 5 | 1 | 1 | 5 | 1 | |
| Art. no. | 20849 | -0755 | -0805 | -0904 | -1001 | -1100 | -1209 |
| Width | mm 19 | 20 | 22 | 25 | 32 | 38 | |
| Pack | qty 1 | 1 | 1 | 1 | 1 | 1 | |



Mortise chisel sets

Luna. Mortise chisel with grip-friendly handle in a two component material. Supplied in plastic case.

| | | |
|-----------------------|--------------------|--------------|
| Art. no. | 20849 | -0102 |
| Quantity | ea 4 | |
| Widths | mm 6, 12, 20, 25 | |



Gouges

Luna. Gouges. Two component handle.

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 20850 | -0108 | -0207 | -0306 | -0405 |
| Width | mm 8 | 12 | 18 | 25 | |
| Pack | qty 1 | 5 | 1 | 1 | |



Hand tools

Short steel measuring tape



Luna. With yellow enamelled steel tape. In impact resistant plastic casing with flat underside for internal measuring. Spring return tape with lock. Belt clip. Flexible end hook. Graduation: metric. Scale zero point according to IV Graduation tolerance according to EU precision standard II, see

| | | | | | |
|--------------|-------|-------|-------|-------|-------|
| Art. no..... | 20956 | -0101 | -0200 | -0309 | -0408 |
| Length..... | m | 2 | 3 | 5 | 8 |
| Width..... | mm | 13 | 13 | 19 | 19 |
| Pack..... | qty | 6 | 6 | 6 | 6 |

Self-adhering steel measuring tape



Luna. Graduated from left to right. Continuous mm and dm graduation. Tolerance ± 0.7 mm.

| | | |
|--------------|-------|--------|
| Art. no..... | 20947 | -0103 |
| Luna..... | No | PIT 5M |
| Length..... | m | 5 |
| Width..... | mm | 13 |

Glue clamps



Luna. Reinforced two-component plastic clamp with powerful springs.

| | | | | | |
|--------------|-------|-------|-------|-------|-------|
| Art. no..... | 20145 | -0103 | -0202 | -0301 | -0400 |
| Length..... | mm | 85 | 115 | 175 | 210 |
| Size..... | mm | 30 | 40 | 60 | 75 |

Screw clamps



Luna. One-hand clamp with quick setting. Bar of steel. Pressure disc with plastic cover. The fixed jaw is reversible for internal clamping and stretching outwards. Clamping force 150 kg.

| | | | | | |
|-------------------|-------|-------|-------|-------|-------|
| Art. no..... | 20857 | -0101 | -0200 | -0309 | -0408 |
| Span width..... | mm | 150 | 300 | 450 | 600 |
| Throat depth..... | mm | 85 | 85 | 85 | 85 |

Screw clamps



Luna. Of malleable hard iron. Bar of high-polish galvanized steel. Heavy duty square-threaded, bronzed screw with plastic protected, ball-jointed shoe. With wooden handle.

| Clamping width | Throat depth | Bar dim. | Weight | Art. no. | Pack. | Extra shoes Art. no. |
|----------------|--------------|----------|--------|----------|-------|-------------------------|
| mm | mm | mm | kg | | qty | 20952 |
| 120 | 60 | 20×5 | 0.45 | -0105 | 10 | -2002 |
| 150 | 80 | 25×6 | 0.75 | -0204 | 10 | -2101 |
| 200 | 100 | 30×8 | 1.12 | -0303 | 10 | -2200 |
| 250 | 120 | 30×8 | 1.67 | -0402 | 10 | -2200 |
| 300 | 120 | 30×8 | 1.60 | -0501 | 10 | -2200 |
| 300 | 140 | 35×9 | 2.14 | -0600 | 10 | -2309 |
| 400 | 140 | 35×9 | 2.35 | -0709 | 5 | -2309 |
| 400 | 175 | 35×9 | 2.74 | -0808 | 5 | -2309 |
| 500 | 120 | 30×8 | 2.03 | -0907 | 10 | -2309 |
| 500 | 175 | 35×9 | 2.05 | -1004 | 5 | -2309 |
| 800 | 120 | 30×8 | 2.50 | -1103 | 5 | -2200 |
| 1000 | 175 | 35×9 | 4.00 | -1202 | 5 | -2309 |

Bench clamps

Glue presses

Luna. Profile of high strength steel, galvanized and with double toothing pattern. Runner of single action type locks eccentrically against the top and bottom of the rail. Jointed handle and hexagonal head for extra tensioning. Both jaws equipped with plastic guards.



| | | | | |
|---------------------------|-------|--------|--------|--------|
| Art. no. | 20757 | -0102 | -0201 | -0300 |
| Span width | mm | 650 | 1000 | 1500 |
| Rail size | mm | 40 x 5 | 40 x 5 | 40 x 5 |
| Max. clamping force | N | 10000 | 10000 | 10000 |
| Art. no. | 20757 | -0409 | -0508 | -0607 |
| Span width | mm | 2000 | 2500 | 3000 |
| Rail size | mm | 40 x 5 | 40 x 5 | 40 x 5 |
| Max. clamping force | N | 10000 | 10000 | 10000 |

Machine clamps

Luna. Powder coated, self-locking and with single non-pinch release lever. Swivel clamping jaw also holds perforated parts. 5 holes in the base plate for securing in machine slots or to secure to a bench.



| | | |
|-----------------|-------|---------------------|
| Art. no. | 20490 | -0104 |
| Luna | No | 222-12-039222-12-LU |
| Length | mm | 300 |
| Gap width | mm | 0-100 |
| Jaw depth | mm | 70 |
| Weight | g | 880 |

Hex keys

Luna. Of chrome vanadium steel. Ground key ends. Size marked. Black.

| Size mm | Length mm | Metric-series | | | | AF-series | | | | |
|---------|-----------|-------------------|-----------|-------------------|-----------|-------------------|---------|---------|-----------|-----------|
| | | Unpack. | | SB-pack. | | Art. no. 20522 | Size AF | Size mm | Length mm | Pack. qty |
| | | Art. no. 20521 | Pack. qty | Art. no. 20962 | Pack. qty | | | | | |
| 0.7 | 34x8 | -0107 | 10 | -0038 | 100 | - | - | - | - | - |
| 0.9 | 34x10 | -0206 | 10 | -0061 | 100 | - | - | - | - | - |
| 1.3 | 46x14 | -0305 | 10 | -0095 | 100 | - | - | - | - | - |
| 1.5 | 52x12 | -0404 | 10* | -0103 | 20 | -0106 | 1/16 | 1.6 | 46x13 | 10 |
| 2 | 58x12 | -0503 | 10* | -0202 | 20 | -0205 | 5/64 | 2 | 50x14 | 10 |
| 2.5 | 60x15 | -0602 | 10* | -0301 | 20 | -0304 | 3/32 | 2.4 | 56x17 | 10 |
| 3 | 65x20 | -0701 | 10* | -0400 | 20 | -0403 | 1/8 | 3.2 | 60x20 | 10 |
| 3.5 | 68x22 | -0800 | 10 | - | - | - | - | - | - | - |
| 4 | 72x25 | -0909 | 10* | -0509 | 20 | -0502 | 5/32 | 4 | 68x24 | 10 |
| 5 | 80x28 | -1006 | 10* | -0608 | 20 | -0601 | 3/16 | 4.8 | 75x25 | 10 |
| - | - | - | - | - | - | -0700 | 7/32 | 5.6 | 81x27 | 10 |
| 6 | 90x32 | -1105 | 10* | -0707 | 20 | -0809 | 1/4 | 6.4 | 88x30 | 10 |
| 7 | 95x34 | -1204 | 10* | -0806 | 20 | - | - | - | - | - |
| 8 | 100x36 | -1303 | 10* | -0905 | 20 | -0908 | 5/16 | 8 | 98x34 | 10 |
| 9 | 106x38 | -1402 | 10 | - | - | - | - | - | - | - |
| 10 | 112x40 | -1501 | 10 | -1002 | 20 | -1005 | 3/8 | 9.5 | 110x37 | 10 |
| 11 | 118x42 | -1600 | 5 | - | - | - | - | - | - | - |
| 12 | 125x45 | -1709 | 5 | - | - | -1104 | 1/2 | 12.7 | 125x45 | 5 |
| 13 | 132x50 | -1808 | 5 | - | - | - | - | - | - | - |
| 14 | 140x55 | -1907 | 5 | - | - | -1203 | 9/16 | 14.3 | 140x55 | 5 |
| 15 | 150x57 | -2004 | 5 | - | - | -1302 | 5/8 | 15.9 | 153x57 | 5 |
| 16 | 153x57 | -2103 | 5 | - | - | - | - | - | - | - |
| 17 | 160x60 | -2202 | 5 | - | - | - | - | - | - | - |
| 18 | 170x65 | -2301 | 5 | - | - | - | - | - | - | - |
| 19 | 175x70 | -2400 | 5 | - | - | -1401 | 3/4 | 19.1 | 175x70 | 5 |
| 22 | 200x80 | -2509 | 1 | - | - | - | - | - | - | - |
| 27 | 250x100 | -2608 | 1 | - | - | - | - | - | - | - |
| 30 | 290x120 | -2657 | 1 | - | - | - | - | - | - | - |
| 32 | 315x125 | -2707 | 1 | - | - | - | - | - | - | - |
| 36 | 315x125 | -2806 | 1 | - | - | - | - | - | - | - |

*) Only unopened pack.

Luna. Long. Of chrome vanadium steel. Ground key ends. Size marked. Black.

| Size mm | Length mm | Metric-series | | | | AF-series | | | | |
|---------|-----------|-------------------|-----------|-------------------|-----------|-------------------|---------|---------|-----------|-----------|
| | | Unpacked | | SB-pack. | | Art. no. 20944 | Size AF | Size mm | Length mm | Pack. qty |
| | | Art. no. 20523 | Pack. qty | Art. no. 20523 | Pack. qty | | | | | |
| 2 | 95x17 | -0105 | 10 | - | - | - | - | - | - | - |
| 2.5 | 110x18 | -0204 | 10 | - | - | - | - | - | - | - |
| 3 | 126x20 | -0303 | 10 | -0907 | 20 | -0106 | 1/8 | 3.2 | 126x20 | 10 |
| 4 | 142x25 | -0402 | 10 | -1004 | 20 | - | - | - | - | - |
| 5 | 160x28 | -0501 | 10 | -1103 | 20 | -0205 | 3/16 | 4.8 | 158x28 | 10 |
| 6 | 180x32 | -0600 | 10 | -1202 | 20 | -0304 | 1/4 | 6.4 | 178x32 | 10 |
| 8 | 200x36 | -0709 | 10 | - | - | -0403 | 5/16 | 8 | 198x36 | 10 |
| 10 | 224x40 | -0808 | 10 | - | - | -0502 | 3/8 | 9.5 | 222x40 | 10 |

Luna. Series BCT. **Extra long** hexagon keys of chrome vanadium steel. With globular hexagonal head and **screw holder** at the long key end. Ball shaped hexagonal heads at the long key end - which permits turning even at a 30° angle. Chromium plated.

| Size mm | Length mm | Un-packed | | SB-packed | |
|---------|-----------|-------------------|-----------|-------------------|-----------|
| | | Art. no. 20516 | Pack. qty | Art. no. 20516 | Pack. qty |
| 2.5 | 110x18 | -0104 | 10 | - | - |
| 3 | 126x20 | -0203 | 10 | -0807 | 20 |
| 4 | 142x25 | -0302 | 10 | -0906 | 20 |
| 5 | 160x28 | -0401 | 10 | -1003 | 20 |
| 6 | 180x32 | -0500 | 10 | -1102 | 20 |
| 8 | 200x36 | -0609 | 10 | - | - |
| 10 | 224x40 | -0708 | 10 | - | - |

Hex keys

Luna. Chrome vanadium steel. Black. With ball shaped hexagonal head at the long key end - which permits turning even at a 30° angle.
Keys in sets, see 20964 page 478.

| Size | Length | Un-packed Art. no. 20965 | SB-packed Art. no. 20884 | Pack. Pack. qty | Size | Size | Length | Un-packed Art. no. 20965 | Pack. Pack. qty |
|------|--------|--------------------------------|--------------------------------|-----------------------|------|------|--------|--------------------------------|-----------------------|
| mm | mm | | | | inch | mm | mm | | |
| 1.5 | 79x16 | -0100 | -0108 | 20 | 1/16 | 1.6 | 79x15 | -1108 | 50 |
| 2 | 86x17 | -0209 | -0207 | 20 | 5/64 | 2 | 84x17 | -1207 | 50 |
| 2.5 | 94x18 | -0308 | -0306 | 20 | 3/32 | 2.4 | 92x17 | -1306 | 50 |
| 3 | 101x20 | -0407 | -0405 | 20 | 1/8 | 3.2 | 102x20 | -1405 | 50 |
| 4 | 110x25 | -0506 | -0504 | 20 | 5/32 | 4 | 108x25 | -1504 | 50 |
| 5 | 120x28 | -0605 | -0603 | 20 | 3/16 | 4.8 | 118x28 | -1603 | 50 |
| 5.5 | 127x30 | -0654 | -0702 | 1 | - | - | - | - | - |
| 6 | 133x32 | -0704 | -0801 | 20 | 7/32 | 5.6 | 125x30 | -1702 | 50 |
| 7 | 145x34 | -0803 | -0900 | 20 | 1/4 | 6.4 | 135x32 | -1801 | 50 |
| 8 | 154x36 | -0902 | -1007 | 20 | 5/16 | 8 | 152x36 | -1900 | 25 |
| 10 | 172x40 | -1009 | -1106 | 20 | 3/8 | 9.5 | 170x40 | -2007 | 25 |



Luna. Chrome vanadium steel. With ballpoint, tapered hexagonal heads at the long key end - which permits turning at a 30° angle. Chrome plated.

| Art. no. | 20532 | -0104 | -0203 | -0302 | -0401 | -0500 | -0609 | -0708 |
|--------------|-------|-------|-------|--------|--------|--------|--------|--------|
| Luna TL Size | mm | 1.5 | 2.0 | 2.5 | 3 | 4 | 5 | 6 |
| Length | mm | 79x16 | 95x17 | 110x18 | 126x20 | 142x25 | 160x28 | 180x32 |
| Pack. | qty | 10 | 10 | 10 | 10 | 10 | 10 | 10 |

| Art. no. | 20532 | -0807 | -0906 | -1003 | -1102 | -1201 | -1300 | -1409 |
|--------------|-------|--------|--------|--------|--------|--------|--------|--------|
| Luna TL Size | mm | 8 | 10 | 11 | 12 | 14 | 17 | 19 |
| Length | mm | 200x36 | 224x40 | 240x43 | 250x45 | 280x55 | 320x60 | 360x70 |
| Pack. | qty | 10 | 10 | 4 | 4 | 4 | 4 | 4 |



Luna. Low height hexagon keys of chrome vanadium steel for good accessibility in confined areas. With ballpoint, tapered hexagonal heads at the long key end - which permits turning at a 30° angle. Chrome plated.

| Art. no. | 20535 | -0101 | -0200 | -0309 | -0408 | -0507 | -0606 | -0705 | -0804 | -0903 |
|--------------|-------|--------|--------|-------|--------|----------|--------|--------|--------|--------|
| Luna TT Size | mm | 1.5 | 2 | 2.5 | 3 | 4 | 5 | 6 | 8 | 10 |
| Length | mm | 79x7.5 | 95x8.5 | 110x9 | 126x10 | 142x12.5 | 160x14 | 180x16 | 200x18 | 220x20 |
| Pack. | qty | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 | 20 |



In sets

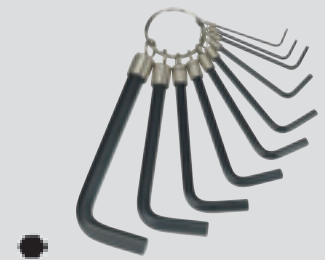
Luna. In a ring. With spring. Set of 8 hexagon keys. Of chrome vanadium steel. Black.

| Art. no. | 20527 | -0101 | -0200 |
|--------------------|-----------|-------------|--------------------|
| Measurement system | | Metric | AF |
| Sizes | | 1.5 2 2.5 3 | 1/16 5/64 3/32 1/8 |
| Number of sets | per pack. | 4 5 5 6 | 5/32 3/16 7/32 1/4 |
| | | 10 | 10 |



Luna. In a ring. With spring. Set of 10 hexagon keys. Of chrome vanadium steel. Black.

| Art. no. | 20918 | -0108 | -0207 |
|------------------|-----------|-----------|--------------------|
| Measuring system | | Metric | AF |
| Sizes | | 1.5 2 2.5 | 1/16 5/64 3/32 1/8 |
| Number of sets | per pack. | 3 4 5 5 5 | 5/32 3/16 7/32 1/4 |
| | | 6 8 10 | 5/16 3/8 |
| | | 10 | 10 |



Hex keys

In sets



Luna. Set of 7 hexagon keys. Of chrome vanadium steel. Black. In plastic holder.

| | | | |
|-----------------------|--------------|--------------|--------------------|
| Art. no. | 20939 | -0103 | -0202 |
| Number of keys | | 7 | 7 |
| Sizes | | 1.5 2 2.5 | 1/16 5/64 3/32 1/8 |
| Number of sets | per pack. | 3 4 5 6 | 5/32 3/16 1/4 |
| | | 10 | 10 |



Luna. Set of 7 hexagon keys. Of chrome vanadium steel. Black. With ball shaped hexagonal head at the long key end - which permits turning even at a 30° angle. Supplied in plastic holder.

| | | |
|-----------------------|--------------|-------------------|
| Art. no. | 20893 | -0107 |
| Number of keys | | 7 |
| Sizes | mm | 1.5 2 2.5 3 4 5 6 |
| Number of sets | per pack. | 10 |



Luna. Set of **extra long** hexagon keys of chrome vanadium steel in sets of 9 keys. Sizes 2.5-10 mm with **screw holder**. With ball shaped, tapered hexagonal heads at the long key end - which permits turning even at a 30° angle. Chromium plated. Supplied in plastic holder.

| | | |
|-----------------------|--------------|---------------|
| Art. no. | 20515 | -0105 |
| Luna | No | BCT-S9 |
| Number of keys | | 9 |
| Sizes | mm | 1.5 2 2.5 3 4 |
| Number of sets | per pack. | 5 6 8 10 |
| | | 5 |



Luna. Sets of 10 long hexagon keys. Of chrome vanadium steel. With ball shaped hexagonal heads at the long key end - which permits turning even at a 30° angle. Supplied in plastic holder.

Individual keys in millimetre sizes, see page 477.

| | | | |
|--------------------------|--------------|---------------|-------------------------|
| Art. no. | 20964 | -0101 | -0200 |
| Measurement system | | Metric | Inch |
| Number of keys | | 10 | 10 |
| Sizes | | 1.5 2 2.5 3 4 | 1/16 5/64 3/32 1/8 5/32 |
| Number of sets | per pack. | 5 5.5 6 8 10 | 3/16 7/32 1/4 5/16 3/8 |
| | | 5 | 5 |

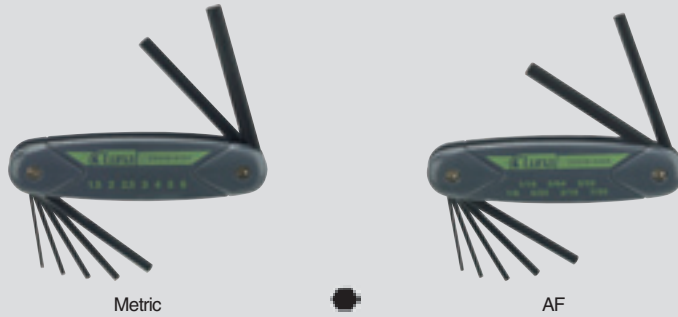


Luna. Keys of nickel-chromium molybdenum steel. With 7 keys fitted in chromium handle, and 8 long individual keys. Supplied in metal case.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20563 | -0106 |
| Luna | No | 014-1 |
| Keys in holder | mm | 1.5 2 2.5 3 |
| Long keys | mm | 4 5 6 |
| Number of sets | per pack. | 3 4 5 6 |
| | | 8 10 12 14 |
| | | 10 |

Hex keys

In sets



Luna. Hexagon keys of chrome vanadium steel - retractable in the plastic covered steel core handle. Size markings on the side of the handle.

Metric sizes

| | | | | |
|----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20949 | -0101 | -0200 | -0309 |
| Number of keys | | 7 | 6 | 6 |
| Sizes | mm | 1.5 2 2.5 3 | 2.5 3 4 | 3 4 5 |
| Number of sets | per pack. | 4 5 6 10 | 5 6 8 10 | 6 8 10 10 |

AF sizes

| | | |
|----------------------|--------------|--------------------------------------|
| Art. no. | 20949 | -0408 |
| Number of keys | | 7 |
| Sizes | inch | 1/16 5/64 3/32 1/8 5/32 3/16 7/32 |
| Number of sets | per pack. | 10 |

Luna. Hexagon keys of nickel-chromium steel, retractable in chromium plated handle. With hanging ring.

Metric sizes

| | | | | |
|----------------------|--------------|----------------------|------------------|-----------------|
| Art. no. | 20528 | -0100 | -0209 | -0308 |
| Luna | No | 009-1 | 009-2 | 009-3 |
| Number of keys | | 7 | 6 | 6 |
| Sizes | mm | 1.5 2 2.5 3 4 5 6 | 2.5 3 4 5 6 8 | 3 4 5 6 8 10 |
| Number of sets | per pack. | 10 | 10 | 10 |

AF sizes

| | | | | |
|----------------------|--------------|--------------------------------------|--------------------------------|---------------------------|
| Art. no. | 20528 | -0407 | -0506 | -0605 |
| Luna | No | 009-4 | 009-6 | 009-5 |
| Number of keys | | 7 | 6 | 5 |
| Sizes | AF | 1/16 5/64 3/32 1/8 5/32 3/16 7/32 | 1/8 5/32 3/16 7/32 1/4 5/16 | 3/16 7/32 1/4 5/16 3/8 |
| Number of sets | per pack. | 10 | 10 | 10 |



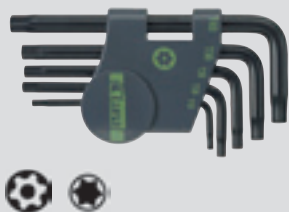
Ball

Luna. Set of 7 hexagon keys. Made of nickel-chromium steel, built-in the handle. With ball shaped hexagonal heads - which permits turning even at a 30° angle.

| | | |
|----------------------|--------------|------------------|
| Art. no. | 20528 | -0704 |
| Number of keys | | 7 |
| Sizes | mm | 2.5 3 4 5 6 8 10 |
| Number of sets | per pack. | 10 |



TX-spanners



Luna. Of chrome vanadium steel. For **internal** heads according to the TX-system (set TXH-S5 also for screws with centre points). The shape of the head gives minimal torque transmission losses. Black. Supplied in plastic holder.

| Art. no. | 20894 | -0106 | -0205 |
|------------------------|-------|--------------------------|--------------------------|
| Luna | No | TXL-S5N | TXH-S5 |
| Number of keys | | 5 | 5 |
| Key-no. | TX | 10 20 25 30 40 | 10 20 25 30 40 |
| For max. head width .. | mm | 2.74 3.86 4.43 5.52 6.65 | 2.74 3.86 4.43 5.52 6.65 |
| For screw | M | 3-3.5 4-5 4.5-5 6-7 7-8 | 3-3.5 4-5 4.5-5 6-7 7-8 |
| Pack. | set | 10 | 10 |



Luna. For **internal** heads according to the TX-system. Of chrome vanadium steel. One end with milled grooves, the other end ball-shaped which permits turning even at a 20° angle. The shape of the head gives minimal torque transmission losses.

| Art. no. | 20416 | -0105 |
|---------------------------|-------|---------------------|
| Luna | No | TXB-S8 |
| Number of keys | ea | 8 |
| Key no. | TX | 9 10 15 20 |
| | | 25 27 30 40 |
| For max. head width | mm | 2.50 2.74 3.27 3.86 |
| | | 4.43 4.99 5.52 6.65 |
| For screw | M | 3 3-3.5 3.5-4 4-5 |
| | | 4.5-5 4.5-6 6-7 7-8 |
| Pack. | set | 10 |



Luna. For internal heads according to the TX-system. Of chrome vanadium steel. Retractable in the plastic covered steel core handles.

| Art. no. | 20950 | -0107 |
|---------------------------|-----------|---------------------|
| Number of keys | | 8 |
| Key-no. | TX- | 9 10 15 20 |
| | | 25 27 30 40 |
| For max. head width | mm | 2.5 2.74 3.27 3.86 |
| | | 4.43 4.99 5.52 6.65 |
| For screw | M | 3 3-3.5 3.5-4 4-5 |
| | | 4.5-5 4.5-6 6-7 7-8 |
| Number of sets | per pack. | 10 |



Luna. For internal heads according to the TX-system. Of chrome vanadium steel. Black. Retractable in the handle, which is chromium plated and equipped with a hanging loop.

| Art. no. | 20415 | -0106 |
|---------------------------|-------|---------------------|
| No. of keys | ea. | 8 |
| Key no. | TX- | 9 10 15 20 |
| | | 25 27 30 40 |
| For max. head width | mm | 2.5 2.74 3.27 3.86 |
| | | 4.43 4.99 5.52 6.65 |
| For screw | M | 3 3-3.5 3.5-4 4-5 |
| | | 4.5-5 4.5-6 6-7 7-8 |
| Pack. | qty | 10 |

Universal pliers

Standard

Luna. Powder coated, self-locking and with single non-pinch release lever. Long bent, serrated jaws for all round work.

| Art. no. | 21073 | -0107 | -0206 | -0305 |
|-----------------|-------|-----------|-----------|-----------|
| Luna | No | 111-05-LU | 111-07-LU | 111-10-LU |
| Length | mm | 135 | 190 | 235 |
| Gap width | mm | 0-30 | 0-42 | 0-63 |
| Jaw depth | mm | 22 | 33 | 40 |
| Weight | g | 180 | 370 | 600 |



Luna. Omnimum grip multi-grips. Powder coated, self-locking and with single non-pinch release lever. The design of the jaws make it possible to hold all possible shapes such as round, square, flat, etc.

| Art. no. | 21093 | -0103 | -0202 |
|-----------------|-------|-----------|-----------|
| Luna | No | 131-07-LU | 131-10-LU |
| Length | mm | 200 | 235 |
| Gap depth | mm | 0-40 | 0-60 |
| Jaw depth | mm | 47 | 60 |
| Weight | g | 410 | 630 |



Special jaws

Luna. ErgoGrip is a pair of ergonomically designed self-locking pliers for a multitude of applications. The design with jaws at a 70 degree angle means less load on the wrists and greater force on turning movements.

The pliers are for single hand use, epoxy powder coated and with rubber covered support handles.

| Art. no. | 20156 | -0109 |
|-----------------|-------|-----------|
| Luna | No | 727-08-LU |
| Length | mm | 180 |
| Size | mm | 0-40 |
| Jaw width | mm | 10 |
| Jaw depth | mm | 65 |
| Weight | g | 380 |



Luna. Powder coated, self-locking and with single non-pinch release lever. Flexible, serrated jaws for secure clamping of section materials.

| Art. no. | 20492 | -0102 | -0201 |
|-----------------|-------|-----------|-----------|
| Luna | No | 233-10-LU | 233-12-LU |
| Length | mm | 235 | 300 |
| Gap width | mm | 0-45 | 0-100 |
| Jaw depth | mm | 28 | 82 |
| Weight | g | 640 | 790 |



Universal pliers

Special jaws



Luna. Powder coated, self-locking and with single non-pinch release lever. Long narrow jaws for maximum access in confined passages. Curved section of the jaws to hold round objects.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 21092 | -0104 | -0203 |
| Luna | No | 127-06-LU | 127-10-LU |
| Length | mm | 165 | 235 |
| Gap width | mm | 0-55 | 0-70 |
| Jaw depth | mm | 62 | 82 |
| Weight | g | 190 | 400 |



Luna. For sheet metalwork, etc. Powder coated, self-closing and with single non-pinch release lever. Wide jaws that grip along the entire front edge for clamping and bending sheet metal.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20403 | -0100 |
| Luna | No | 128-08-LU |
| Length | mm | 200 |
| Width of jaws | mm | 80 |
| Gap width | mm | 0-45 |
| Jaw depth | mm | 48 |
| Weight | g | 520 |

Sets



Luna. A set for a wide range of tasks. Contains one grip: 131-10, 111-10, 139-10, 131-07, 111-05 and a storage case.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 20497 | -0107 |
| Luna | No | GK-SET5-LU |
| Contains number of grips | ea. | 5 |



Luna. A set for a wide range of tasks that also includes grips for welding. Contains one grip: 131-10, 111-07, 111-10, 111-12, 112-10, 121-05, 127-06, 233-12, 125-09, 124-12, 912-07, 928-07, 1012-099 and wall holder EX-13-NE.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 20498 | -0106 |
| Luna | No | GK-SET5-LU |
| Contains number of grips | ea. | 13 |

Welding grips

Luna. U-grip. Powder coated, self-locking and with single non-pinch release lever. Holds two sections in place when e.g. welding. The U-shape permits access to the entire joint.

| Art. no. | 21078 | -0102 | -0201 |
|-----------|-------|-----------|-----------|
| Luna | No | 125-09-LU | 125-12-LU |
| Length | mm | 200 | 300 |
| Gap width | mm | ∅ 0-60 | ∅ 0-90 |
| Jaw depth | mm | 67 | 87 |
| Weight | g | 690 | 960 |



Luna. Grips for pipe work. Powder coated, self-locking and with a single non-pinch release lever. Secure grip on pipes when e.g. welding.

| Art. no. | 21091 | -0105 |
|-----------|-------|-----------|
| Luna | No | 126-12-LU |
| Length | mm | 300 |
| Gap width | mm | ∅ 90 |
| Jaw depth | mm | 93 |
| Weight | g | 960 |



Luna. C-grip. Powder coated, self-locking and with single non-pinch release lever. Large and deep opening also permits work over thresholds and large distances.

| Art. no. | 21075 | -0105 | -0204 | -0303 |
|-----------|-------|-----------|-----------|-----------|
| Luna | No | 124-06-LU | 124-12-LU | 124-18-LU |
| Length | mm | 165 | 300 | 460 |
| Gap width | mm | 0-60 | 0-100 | 0-260 |
| Jaw depth | mm | 50 | 94 | 260 |
| Weight | g | 240 | 890 | 1300 |



Luna. Made of aluminium for aluminium welding. C-shaped jaws for sections, etc. Self-locking and with single non-pinch release lever.

| Art. no. | 21097 | -0109 | -0208 |
|-----------|-------|-----------|-----------|
| Luna | No | 144-12-LU | 144-14-LU |
| Length | mm | 300 | 360 |
| Gap width | mm | 0-90 | 0-180 |
| Jaw depth | mm | 96 | 150 |
| Weight | g | 670 | 870 |



Welding grips



Closed



Open

Luna. The world's smallest locking grips. Body of aluminium, copper adjuster screw. Linear clamping force and with hole in the jaw to work with through materials.

| | | |
|-----------------------|--------------|----------------|
| Art. no. | 20495 | -0109 |
| Luna | No | Microgrip 2000 |
| Length | mm | 92 |
| Gap width | mm | 12 |
| Weight | g | 120 |



Luna. Flexible, locking grips that clamp axially and in straight lines. Ideal for basic sheet-metal and chassis work.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20494 | -0100 |
| Luna | No | 912-07-LU |
| Length | mm | 195 |
| Gap width | mm | 0-18 |
| Weight | g | 410 |



Luna. C-grip. Powder coated, self-locking and with single non-pinch release lever. Large and deep opening also permits work over thresholds and large distances Swivel clamping jaws make it possible to clamp sectioned materials.

| | | | | |
|-----------------------|--------------|--------------|--------------|--------------|
| Art. no. | 20491 | -0103 | -0202 | -0301 |
| Luna | No | 224-06-LU | 224-12-LU | 224-14-LU |
| Length | mm | 165 | 300 | 365 |
| Gap width | mm | 0-50 | 0-80 | 0-125 |
| Jaw depth | mm | 46 | 90 | 130 |
| Weight | g | 270 | 970 | 1200 |

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 20491 | -0400 | -0509 |
| Luna | No | 224-18-LU | 224-24-LU |
| Length | mm | 470 | 630 |
| Gap width | mm | 0-240 | 0-400 |
| Jaw depth | mm | 230 | 410 |
| Weight | g | 1430 | 1740 |



Luna. C-grip. Powder coated, self-locking and with single non-pinch release lever. Large and deep opening also permits work over thresholds and large distances Swivel clamping jaws make it possible to clamp sectioned materials.

| | | | |
|-----------------------|--------------|--------------|--------------|
| Art. no. | 20493 | -0101 | -0200 |
| Luna | No | 234/150-LU | 234/230-LU |
| Length | mm | 290 | 290 |
| Gap width | mm | 80-150 | 150-230 |
| Jaw depth | mm | 85 | 85 |
| Weight | g | 980 | 1020 |

Welding grips

Sets

Luna. A set containing only grips for linear clamping. Contains grips for 90 degree, spot welding, clamping above angles, etc. Contains the following grips: 912-07, 915-07, 918-07, 922-07, 925-07, 928-07 and a wall holder EX-AX-NE.

| | | |
|--------------------------------|--------------|--------------|
| Art. no. | 20499 | -0105 |
| Luna | No | AX-SET6-LU |
| Contains number of grips | ea. | 6 |



Pressure guard

Luna. Pressure guard made of plastic that protects the work piece from damage by the grips. Fit Luna grips with swivel pressure plates.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 20413 | -0108 |
| Luna | No | 224-LU |
| Pack. | qty | 10* |

*) Only unopened pack.



Pipe cutters

For tubular steel

Luna. For cutting thin-walled pipe (stainless steel pipe, copper pipe and PVC-pipe) up to a material thickness of 2.6 mm. Also ideal for cutting car exhaust pipes. Powder coated, self-locking and with single non-pinch release lever. The chain has 13 cutter wheels.

| | | |
|--------------------------|--------------|--------------|
| Pipe cutter | 21107 | -0107 |
| Luna | No | 182-10-LU |
| Length | mm | 250 |
| Capacity | mm | Ø 15-75 |
| Weight | g | 800 |
| Spare chain | 21107 | -0206 |
| Luna | No | CAD 182 |



Luna. For cutting galvanised steel pipe, stainless pipe, copper, aluminium and PVC-pipe (up to a material thickness of 6 mm). Also ideal for cutting car exhaust pipes. Powder coated, self-locking and with single non-pinch release lever. The chain has 15 cutter wheels.

| | | |
|--------------------------|--------------|--------------|
| Pipe cutter | 20412 | -0109 |
| Luna | No | 186-12-LU |
| Length | mm | 300 |
| Capacity | mm | Ø 20-115 |
| Weight | g | 1250 |
| Spare chain | 20412 | -0208 |
| Luna | No | CAD 186 |



Symbol guide

A high level of safety is essential for both people and machinery. Additionally, it is important that the right product is used for each application and situation, and that the product used is suitable in relation to the materials.

On the following pages, we have collected the most relevant symbols for warnings, regulations and general information so that users will be able to maintain a high level of safety, and make work tasks easier to perform.



Mandatory symbols



Read the Manual



Protective glasses



Hearing protection



Protective mask



Protective clothing



Protective gloves



Protective shoes



Lift using hoist



Fill with oil

Warning symbols



Warning



Warning - Rotating object



Warning - Electricity



Warning - Rotating cutting tool



Warning - Risk of crushing



Warning - Sharp tools



Warning - Saw blade



Warning - Hot surface



Warning - Loose fitting clothes



Warning - Loose hanging hair



Warning - Sparks



Warning - Risk of crushing



Warning - Risk of crushing



Warning - Risk of crushing



Warning - Risk of crushing



Warning - Power supply must be switched off during service and maintenance



Warning - Saw blade



Warning - for wet



Warning for splinters. The hammer could splinter if hit against hard objects



ONLY QUALIFIED PERSONNEL MAY USE THE MACHINE



NEVER START THE MACHINE WITH THE ROLLER IN THE EXTENDED POSITION



NEVER START THE MACHINE WITHOUT MACHINE GUARDS

Prohibition symbols



Wearing of jewelry forbidden



Gloves must not be worn



Avoid wet hands



Repairs only by Service Engineer



Not for grinding with the side



Never use defect disc



The product is free from iron, sulphur and chlorine

Information symbols



Voltage (v)



Electrical Power (w)



Weight (kg)



Decibel (db)



Strength (Nm)



Vibration



Speed



Female thread



Male thread



Internal diameter (dia)



Dimensions



Measurement information



Air consumption output at 100% int.



Air consumption output at 50% int.



Backwards and forwards



Load (kw) wound up



Load (kw) extended



Socket drive



Bolt capacity



Torque



Three step torque



Two stop



Impact mechanism



Strokes per minute



Stroke length (mm)



Dry



Wet



Hook-loop fastener/velcro



Paint nozzle (mm)



Working pressure (Bar)



Max. fluid output (l/min)



Max. pattern width (mm)



Cup capacity (l)



Fuse (A)



Compressor pump



Dimension (mm)



Diamond blade



Stop block



Jack stand



The jack must be secured before starting the work



Jack, max. height



Jack, min. height



Jack, oil



Double isolation



Keep dry



Fragile



Recycling



Waste of electrical and electronic equipment (WEEE)



European community

Lubrication symbols



High temp



Low temp



Wide viscosity index



Heavy loads



Water resistance



Corrosion protection



High speed



Muti purpose



Environmentally friendly



Working environment



Food machinery



Extreme pressure



Fifth wheel grease



Rolling bearing grease



Gliding bearing grease



Cog grease



Electric grease



Long life



Central lubrication



Adhesion



Product information. www



Irritating



Extremely inflammable



Environmentally hazardous



Toxic



E-branding



Tactile symbol

Power tool accessories symbols

Material type



Wood



Stone/
concrete
material



Metal



Special
material



Paint



Plastic



Glass

Wood



Construction
timber



Sandwich-
material



Boards, hard
and soft



Wood hard
and soft



Wood with
nails



Plywood



Chipboard



Sheet
material



Green wood,
woodcuts

Stone



Concrete with
reinforcement



Plasterboard



Bricks



Roofing tile



Ceramics/
tiles



Stone



Concrete



Lightweight
concrete

Metal



Stainless
steel



Non-ferrous
metals



Aluminium



Metals



Plate



Cast iron
pipes



Rusty sheet
metal



Rusty solid
steel

Screwing



Flat slot



Philip's slot



Pozidriv slot



Torx slot
(6-point)



Torx head
(6-point)



Torx slot (with
centre point)



Square slot



Hexagonal
head



Hexagonal
slot

Power saws



Fine cut



Coarse cut



Parallel cut



Split



Crosscut



Thick
material



Thin
material



Maximal
processing
thickness in
mm



Slow cut



Straight cut



Curve cut



Fast cut

Sawing



Total length saw blade (mm)



Working length saw blade (mm)



Reverse teeth



Teeth per inch



Designed for curved cut



Bi-metal



Bandsaw blades



Length saw blades (mm)



Width saw blades (mm)



Tooth space



Carbide



High carbon steel



Chrome, Vanadium



Bore depth



Hexagonal

Circle sawing



Triple chip teeth (carbide tipped)



Alternate top bevel teeth (carbide tipped)



Max RPM



Number of teeth on circular saws with coarse teeth



Number of teeth on carbide tipped circular saw blades



Crosscut in mm



Number of teeth



Circular saw blade



Bore diameter



Outer diameter



Triple chip teeth



Alternate top bevel teeth



Front angle



Drill bit 118° cutting angle



HSS drills



Chrome, vanadium wood drills



Carbide tipped

Drilling



Auger drill



Flat bit



Shank type



Shank type



HSS wood drill



Bore diameter



Span

Screw clamps

Other materials



General, Plastics



Glass



Glassfibre

Brand information



Registered trademark from Bosch

TORAX® is a registered trademark of Acument Intellectual Properties (LLC).

LiMiT



Measuring tools



Limit

We have been supplying measuring products to the Swedish industry for almost 100 years and during that time we have learnt what customers require and appreciate. The products have been constantly developed according to new production methods and new technology. The trademark Limit has been created using the experience we have gathered over the years.

Marketing

Through Limit we have aimed to supply European industry with a broad and qualified assortment of measuring products. The demands from this target group, which is probably the most demanding one there is, are well known by us. The demands concern function, quality, price and delivery. We know how to meet these demands.

Accessibility

Limit is sold by local stockists. The assortment is neat and easy to display which makes it easy to find and simple to choose from. Practical and informative packaging make the products easy to store, transport and easy to recognise. We also have one of the markets best logistics and ordering system at our disposal.

Technical support

Often situations occur when measuring points are hard to access or other difficulties are encountered concerning measuring in a convenient way. When this is the case, we can offer specially adapted measuring instruments or tools made for dimensions exceeding standard proportions. We also offer help with calibration and repair of measuring instruments, as well as spare parts.

The assortment

The assortment includes more than 500 different standard products. The mechanical manufacturing and engineering industries demand measuring products with great accuracy to measure and control details within a range of fractions of a millimeter to several meters. Limit supplies instruments with an accuracy ranging from 1 mm down to 0.001 mm.

We hope this catalogue, will help yo to choose the right measuring instrument at every opportunity.

Production

The production takes place in several different production units. Each unit is specialized within a certain area. Everything from precision mechanics to precision cuts, from electronics to casting. What unites the different manufacturing units is that they all fulfill our specifications and demands, and finally that the finished products meet our clients expectations.

Quality according to demand

Accuracy always has its price. Higher accuracy means higher costs. Both the choice of measuring product and the choice of measuring method affect the total cost.

Limit products meet international levels of tolerance according to DIN (Deutsches Institut für Normung). Several products are available, individually calibrated with calibration certificates, linked to international standards and traceable to the National Laboratory of Length, in stock for immediate delivery.



Contents



Measuring kits

495-500



Calipers, height gauges

501-508



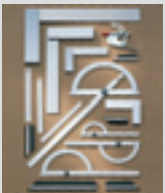
Micrometers, hole gauges

509-518



Dial gauges, stands, thickness gauges

519-528



**Steel rules, squares, protractors, V-blocks,
surface planes, gauge blocks, engineers
levels**

529-540



**Scribes, punches, surface gauges,
marking gauges, compasses, steel stams,
marking equipment, fixed gauges**

541-550



**Multimeters, test instruments,
thermometers, tachometers**

551-563

Measuring Kits



Measuring Kits

We have been supplying measuring products to the industry for almost 100 years and during that time we have learnt what our customers require and appreciate. The products have been constantly developed according to new production methods and new technology.

The trademark **LIMIT** has been created using the experience we have gathered during the years. Our target group demands accurate function, quality, price and delivery. We know how to meet these demands.

Through **LIMIT** we aim to supply European industry with a broad and qualified assortment of measuring products.

- Measuring and control assure your quality.
- Organise your measuring tools.
- Measuring kits for industrial and automotive mechanics.
- Supplied in a handy carrying case with recessed handle, click lock mechanism and rubber feet.



To the point



Measurement set



Limit. Measurement set in 3 pieces intended for car mechanics, service technicians, etc. To measure brake drums, tyre pressure and tread depth. Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| | | |
|--|--------------------|--------------|
| Art. no. | 13956 | -0106 |
| Digital brake disc vernier calipers..... | mm | 0-75 |
| Tyre pressure gauge..... | kg/cm ² | 7 |
| Tread depth gauge..... | mm | 0-25 |
| Case size LxWxH..... | mm | 265x142x50 |



Limit. 9 pcs measuring set. For measuring, troubleshooting and control. A basic assortment for vehicle mechanical, repair, service etc. Supplied in blue plastic box.

| | | |
|--|--------------------|--------------|
| Code no. | 13957 | -0105 |
| IR Thermometer, measuring range..... | °C | -20 - +500 |
| Digital caliper, measuring range..... | mm | 0-150 |
| Digital brake disc caliper, measuring range..... | mm | 0-75 |
| Tyre pressure gauge, measuring range..... | kg/cm ² | 0-7 |
| Tyre tread depth gauge..... | mm | 0-25 |
| Steel rule..... | mm | 300 |
| Feeler gauge, 13 blades..... | mm | 0.05-1.00 |
| Thread pitch gauge 60°..... | | Metric/UNC |
| Multimeter: | | |
| Voltage..... | DC | 500 V |
| Voltage..... | AC | 500 V |
| Current..... | DC | 10 A |
| Resistance..... | | 20 Ω |
| Temperature..... | °C | -40 - +250 |
| Continuity test..... | | - |
| Diode test..... | | - |
| Size of box LxWxH..... | mm | 450x228x60 |

Measurement set



Limit. Set of 9 pieces. Includes digital sliding caliper, micrometer, multimeter, flat square, protractor, thread gauges, feeler gauges, steel rule, scriber. Supplied in blue plastic box.

| Art. no. | 12863 | -0100 |
|----------------------------------|---------------|-----------------------------|
| Multimeter: direct voltage | DCV | 200 mV -500 V |
| alternating voltage | ACV | 200 V - 500 V |
| direct voltage | DCA | 2000 μ A - 10 A |
| resistance | Ω | 200 Ω -20 M Ω |
| temperature | $^{\circ}$ C | -40 - +250 |
| Digital sliding caliper | mm | 150 |
| Flat square | mm | 150 |
| Protractor | mm | 80 |
| Thread gauge M/UNC | No. of blades | 55 |
| Feeler gauges 13 blades | mm | 0.05-1.0 |
| Steel rule | mm | 300 |
| Scriber HM, length | mm | 150 |
| Case size LxWxH | mm | 450x228x60 |



Limit. Set of 14 pieces. Includes digital sliding caliper, micrometer, telescopic measurement stop (6 parts), flat square, protractor, thread gauge, feeler gauges, steel rule, scriber and compasses. Supplied in blue plastic tray.

| Art. no. | 12862 | -0101 |
|--------------------------------------|---------------|------------|
| Digital sliding caliper | mm | 150 |
| Micrometer | mm | 0-25 |
| Telescopic measurement set (6) | mm | 8-150 |
| Flat square | mm | 150 |
| Protractor | mm | 80 |
| Thread gauge M/UNC | No. of blades | 55 |
| Feeler gauges 13 blades | mm | 0.05-1.0 |
| Steel rule | mm | 300 |
| Scriber HM, length | mm | 150 |
| Case size LxWxH | mm | 450x288x60 |

Measurement set



Limit. Set of 20 pieces. Includes digital sliding caliper, depth measurement stop, micrometer, telescopic measurement stop (6 parts), flat square, base square, protractor, indicator gauge, magnetic indicator stand, hole gauge (2), thread gauge, feeler gauges, steel rule, scriber and compasses.

Supplied in a plastic TC tray with removable cover. Fits in Teng Tools tool boxes and tool trolleys.

| Art. no. | 12861 | -0102 |
|------------------------------------|---------------|------------------|
| Digital sliding caliper | mm | 150 |
| Depth measurement stop, length .. | mm | 75 |
| Micrometer | mm | 0-25 |
| Telescopic measurement set (6) ... | mm | 8-150 |
| Flat square | mm | 150 |
| Protractor | mm | 120 |
| Dial indicator | mm | 10/0.01 |
| Indicator stand, max. height | mm | 280 |
| Hole size gauge | mm | 0.45-1.5 1.5-3.0 |
| Thread gauge M/UNC | No. of blades | 55 |
| Feeler gauges 13 blades | mm | 0.05-1.0 |
| Steel rule | mm | 300 |
| Scriber HM, length | mm | 150 |
| Callipers | mm | 200 |
| Case size LxWxH | mm | 560x265x40 |
| Weight | kg | 5.6 |

Limit. Set of 23 parts. Contains digital sliding caliper, depth measurement stop, workshop callipers, micrometer, telescopic measurement stop (6 parts), flat square, base square, protractor, indicator gauge, tilt indicator, magnetic indicator stand, hole gauge (2), thread gauge, feeler gauges, steel rule, scriber and compasses.

Supplied in blue plastic box.

| Art. no. | 12267 | -0102 |
|------------------------------------|---------------|------------------|
| Digital sliding caliper | mm | 150 |
| Depth measurement stop, length .. | mm | 75 |
| Workshop callipers | mm | 300 |
| Micrometer | mm | 0-25 |
| Telescopic measurement set (6) ... | mm | 8-150 |
| Flat square | mm | 100 |
| Base square | mm | 300 |
| Protractor | mm | 120 |
| Dial indicator | mm | 10/0.01 |
| Level type dial indicator | mm | 0.8/0.01 |
| Indicator stand, max. height | mm | 280 |
| Hole size gauge | mm | 0.45-1.5 1.5-3.0 |
| Thread gauge M/UNC | No. of blades | 55 |
| Feeler gauges 13 blades | mm | 0.05-1.0 |
| Steel rule | mm | 300 |
| Scriber HM, length | mm | 150 |
| Callipers | mm | 200 |
| Case size LxWxH | mm | 550x280x60 |
| Weight | kg | 6.0 |





mm/inch

1498

OFF ON ZERO

0 10

Calipers

Calipers are an all round instrument with a relatively high measuring accuracy. Calipers are recommended for measuring where 0.1 measuring is required.

Measuring with vernier calipers means that values less than 1 mm are read by a vernier scale. The zero mark of the vernier scale indicates the measured value in integer mm on the base scale.

Some calipers have a parallax free scale which makes the vernier reading easier and more reliable. Parallax free means that the scales are positioned at the same level and this prevents incorrect reading as the eye's line of sight towards the scale is not perpendicular. Even easier to read are of course the electronic measuring products with digital displays.

Dial calipers are very easy to read and especially when comparing check measurements. The indicator gives a clear visual picture of how big the difference is between the measured values. Calipers are frequently used as they are such universal tools/instruments. You can measure both outer, inner and depth dimensions. Calipers with 4-functions also have the possibility to measure steps, etc. and they are useful when scribing and marking out.

Table of tolerances for vernier callipers according to DIN 862.

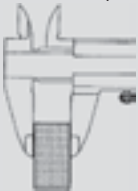
Ref. temperature +20°C.



| | | | | | | | |
|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Linear measure . . . mm | 0-200 | 200-300 | 300-400 | 400-500 | 500-600 | 600-700 | 700-800 |
| Max deviation . . . mm | ±0.04 | ±0.05 | ±0.07 | ±0.08 | ±0.09 | ±0.10 | ±0.11 |
| Linear measure . . . mm | 800-900 | 900-1000 | 1000-1100 | 1100-1200 | 1200-1300 | 1300-1400 | 1400-1500 |
| Max deviation . . . mm | ±0.12 | ±0.13 | ±0.14 | ±0.16 | ±0.17 | ±0.18 | ±0.19 |
| Linear measure . . . mm | 1500-1600 | 1600-1700 | 1700-1800 | 1800-1900 | 1900-2000 | 2000- | |
| Max deviation . . . mm | ±0.20 | ±0.21 | ±0.22 | ±0.23 | ±0.24 | ±0.25 | |

4 functions

Vernier callipers with 4 functions can be used for the following measurements and scribing:



External measuring



Internal measuring



Depth measuring



Height measuring



Scribing

Calipers

Limit. Miniature vernier callipers. Of brass. Graduated in mm and inches.

| | | |
|------------------------|-------------|--------------|
| Art. no. | 2654 | -0203 |
| Measuring length | mm | 100 |
| Jaw length | mm | 19 |



Limit. Miniature vernier callipers. Of steel. Matt chromium-plated scale. Graduated in mm, plus vernier for 1/20 mm. With depth gauge and points for internal measuring. DIN 862.

| | | |
|------------------------|-------------|--------------|
| Art. no. | 6006 | -0100 |
| Measuring length | mm | 100 |
| Jaw length | mm | 27 |



Limit. Made of hardened tool steel. Graduated in millimetres and imperial measures. Vernier scale for 1/128" and 1/20 mm. Equipped with depth gauge and needle points for inside measurements. Quick locking. DIN 862.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 11909 | -0108 |
| Measurement length | mm | 150 |
| Leg length | mm | 40 |



No 11909



2670/button lock



2670/locking screw

Limit. 4 functions. Stainless steel. Fully hardened. Matt chromium-plated scale. Graduated in mm and inches, and with Nonie scale for 1/128" and 1/20 mm of 39 mm length. Equipped with depth gauge and needle points for inside measurements. Quick locking. DIN 862.

4-function see information page 502.

| | | | | | |
|-------------------------------|-------------|--------------|--------------|---------------|---------------|
| Art. no. | 2670 | -0302 | -0351 | -0500 | -0609 |
| Measurement length | mm | 150 | 200 | 150 | 200 |
| Type | with | button lock | button lock | locking screw | locking screw |
| Leg length | mm | 38 | 38 | 38 | 38 |
| Ditto calibrated | 2670 | -0401 | - | - | - |
| Spare part set | 2670 | -2001 | -2001 | -2001 | -2001 |

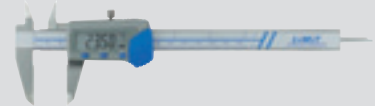
Digital Calipers

Limit. 4 functions. Stainless steel. Can be switched between mm inches. With reset button. Off button.

No 2928-0146. Has absolute measuring function, and can be switched from 0-value to the absolute measurement value. DIN 862.

Extra battery V13GS/V357 (SR44).

| | | | | | |
|-------------------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 2928 | -0104 | -0146 | -0161 | -0203 |
| Measurement length | mm | 150 | 150 | 200 | 300 |
| Jaw length | mm | 40 | 40 | 40 | 60 |
| Digit height | mm | 6 | 6 | 6 | 6 |
| Resolution | mm | 0.01 | 0.01 | 0.01 | 0.01 |
| Ditto calibrated | 2928 | -0153 | - | - | - |
| Extra battery | 2928 | -1003 | | | |
| Spare part set | 2928 | -2001 | | | |



Limit. Digital caliper with reading 0.01 mm. Made of stainless steel. Zero set in any position. Automatic switch off. Adjustable between mm and inch. 4 function. DIN 862.

Battery type SR44.

| | | |
|----------------------------|--------------|--------------|
| Art. nr. | 13233 | -0101 |
| Measuring length | mm | 150 |
| Jaw length | mm | 40 |
| Height of figures | mm | 11 |
| Resolution | mm | 0.01 |
| Spare battery | 2928 | -1003 |



Calipers

Digital Calipers



Limit. Digital caliper. Triple reading: metric / inch / inch fraction. Made of stainless steel. Automatic switch off. Zero set in any position. 4-function. DIN 863. Supplied in box..
Battery type SR44.

| | | |
|----------------------------|---------------|--------------|
| Art. no. | 14455 | -0100 |
| Measuring length | mm | 150 |
| Jaw length | mm | 40 |
| Digit height | mm | 11 |
| Resolution | mm | 0.01 |
| Resolution | inch | 0.0005 |
| Resolution | inch fraction | 1/128 |
| Extra battery | 2928 | -1003 |

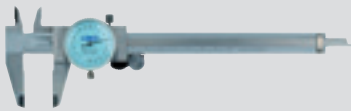
Waterproof digital caliper



Limit. IP 67. Stainless steel. 4-function. Resistant to water, oil, coolant, etc. according to IP 67. Switchable between metric and imperial measurements. Automatic shutoff. DIN 862.
Extra battery SR44, art. no. 2928-1003.

| | | |
|--------------------------|--------------|--------------|
| Art. no. | 12256 | -0105 |
| Measurement length | mm | 150 |
| Leg length, ext. | mm | 40 |
| Leg length, int. | mm | 15 |
| Digit height | mm | 9 |
| Resolution | mm | 0.01 |
| Accuracy | mm | 0.03 |

With dial indicator



Limit. 4 functions. Stainless steel. The measuring faces are precision ground and polished. Matt chromium-plated scale. Graduated in mm. DIN 862.
4 functions, see page 502.

| | | |
|-------------------------------|-------------|--------------|
| Art. no. | 5270 | -0309 |
| Measuring length | mm | 150 |
| Scale division on dial | mm | 0.02 |
| 1 turn of the pointer = | mm | 2 |
| Jaw length | mm | 40 |

With scriber



Limit. Of stainless steel. The measuring surfaces are matt chromium-plated for non-glare reading. Graduated in mm and inches, and with vernier for $\frac{1}{128}$ " and $\frac{1}{20}$ mm of 39 mm length. Also provided with depth gauge and points for internal measuring. DIN 862.

| | | |
|--------------------------|-------------|--------------|
| Art. no. | 3513 | -0103 |
| Measurement length | mm | 150 |
| Jaw length | mm | 40 |

For left hand use

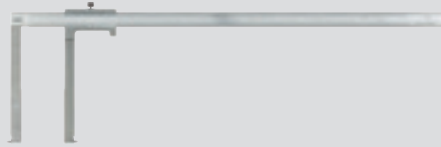


Limit. 4 functions. Stainless steel. Matt chromium-plated scale. Graduated in mm and inches. With depth gauge and points for internal measuring. DIN 862.
Supplied in case.
4 functions, see page 502.

| | | |
|------------------------|--------------|--------------|
| Art. no. | 10236 | -0104 |
| Measuring length | mm | 150 |
| Leg length | mm | 40 |

Calipers

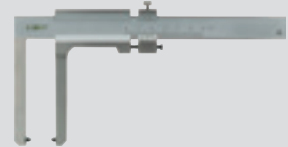
For brake drums



Limit. Of stainless steel. Matt chromium-plated scale and vernier. With fine adjustment. DIN 862.

| | | | | |
|-------------------------|--------------|--------------|--------------|--------------|
| Art. no. | 10909 | -0050 | -0100 | -0209 |
| Measurement range | mm | 40-340 | 50-500 | 50-600 |
| Leg length | mm | 105 | 150 | 200 |

For brake discs



Limit. Of stainless hardened steel. Matt chromium-plated scale and vernier. Measurement value can be locked when the legs are open. DIN 862.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 10910 | -0107 |
| Measurement range | mm | 0-60 |
| Leg length | mm | 85 |



Limit. Digital caliper for brake discs. Hardened stainless steel. Holdfunction for hold measured value when caliper remove after measuring. Zero on any position. Adjustable between mm and inch. Extra battery type V13GSV37 8SR 44).

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 13949 | -0106 |
| Measuring range | mm | 75 |
| Length of jaws | mm | 92 |
| Digit height | mm | 11 |
| Reading | mm | 0.01 |



Three point vernier caliper



Limit. For measuring external diameter of 3, 6 and 12 bladed tools. Cylindrical objects can also be measured. Of stainless steel. Matt chromium-plated scale. Graduation: mm and inches.

| | | |
|--------------------------------|-------------|--------------|
| Art. no. | 2394 | -0109 |
| Measuring range diameter | mm | 4-45 |
| Vernier | mm | 0.02 |

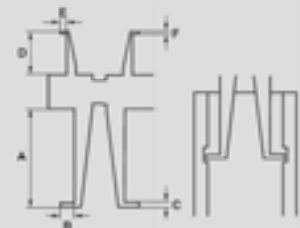


Internal vernier caliper



Limit. Made of hardened tool steel and with fine adjustment. For inside measurement of inner slot diameter. 12817-0107 has double measurement jaws.

| | | | |
|--------------------------|--------------|--------------|--------------|
| Art. no. | 12817 | -0107 | -0206 |
| Measurement length | mm | 9-150 | 30-300 |
| A | mm | 74 | 110 |
| B | mm | 10 | 10 |
| C | mm | 5 | 5 |
| D | mm | 35 | - |
| E | mm | 4 | - |
| F | mm | 2 | - |





Calipers

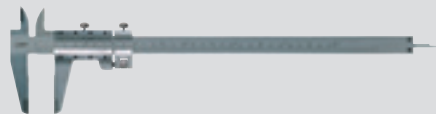
Depth gauge stop

Limit. Suitable for most vernier callipers.

| | | |
|--------------------|-------------|--------------|
| Art. no. | 7312 | -0107 |
| Stock length | mm | 75 |
| Track width | mm | 4 |
| Track height | mm | 16.5 |

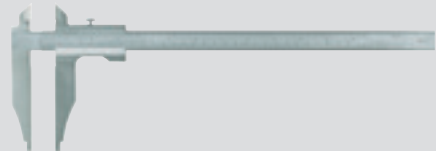
Workshop vernier calipers

Limit. **From tool steel.** Hardened. Matt chromium plated scale graduated in metric and imperial measures. Vernier scale. Tips for internal measurements. DIN 862.



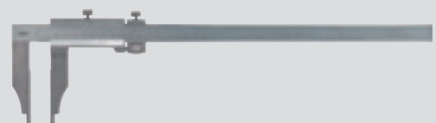
| | | |
|--------------------------|--------------|--------------|
| Art. no. | 12259 | -0102 |
| Measurement length | mm | 300 |
| Jaw length | mm | 60 |

Limit. **Of stainless steel.** Hardened legs. Matt chromium-plated scale. Upper leg ground for access in grooves. Recess on lower legs for internal measurements. Tolerance according to DIN 862. Vernier scale 0.05 mm.



| | | |
|--------------------------|--------------|--------------|
| Art. no. | 15238 | -0101 |
| Measurement length | mm | 300 |
| Lower leg length | mm | 125 |
| Upper leg length | mm | 56 |

Limit. **Of stainless steel.** Hardened. Matt chromium-plated scale. Steps on jaws for internal measuring. Tolerance according to DIN 862. Vernier scale 0.05 mm.



| | | | | | | |
|----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 2305 | -0057 | -0107 | -0206 | -0404 | -0503 |
| Measuring length ... | mm | 300 | 400 | 500 | 800 | 1000 |
| Jaw length | mm | 90 | 200 | 150 | 150 | 150 |

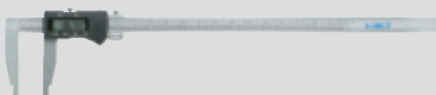
Limit. **Made of tool steel.** Hardened. Matt chromium-plated scale. Steps on jaws for internal measuring. With fine adjustment. Tolerance according to DIN 862. Vernier scale 0.05 mm.



| | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 2304 | -0108 | -0207 | -0306 | -0405 | -0504 |
| Measurement length .. | mm | 500 | 800 | 1000 | 1500 | 2000 |
| Leg length | mm | 100 | 125 | 125 | 150 | 200 |

Digital workshop vernier calipers

Limit. **Digital vernier callipers.** Stainless steel. Max/min value function. Hold-function. Can be reset to mm or inches. Adjustable absolute value. Fine adjusting screw. DIN 862. Extra battery V13GS/V357 (SR44) art.no. 2928-1003.



| | | | | | |
|------------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 2289 | -0107 | -0156 | -0172 | -0206 |
| Measuring length | mm | 500 | 600 | 800 | 1000 |
| Jaw length | mm | 100 | 300 | 200 | 150 |
| Digit height | mm | 8 | 8 | 8 | 8 |
| Resolution | mm | 0.01 | 0.01 | 0.01 | 0.01 |

Aluminium calipers

Limit. Of structural aluminium. The jaws are made of hardened stainless steel. Easy to use because of their low weight. Non-glare scale. Graduated in mm. Vernier for 1/20 mm. Tolerance according to DIN 862.

| | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 0575 | -0104 | -0203 | -0302 | -0401 | -0500 |
| Measurement length . | mm | 500 | 500 | 800 | 800 | 1000 |
| Jaw length | mm | 150 | 250 | 150 | 400 | 150 |
| Weight | kg | 1.1 | 1.1 | 1.5 | 1.6 | 1.8 |

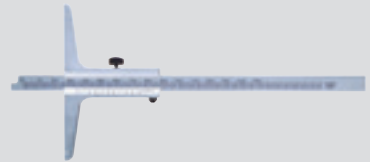
| | | | | | |
|-----------------------|-------------|--------------|--------------|----------------|----------------|
| Art. no. | 0575 | -0559 | -0609 | (-0708) | (-0807) |
| Measurement length . | mm | 1000 | 1500 | 2000 | 3000 |
| Jaw length | mm | 500 | 150 | 150 | 150 |
| Weight | kg | 1.9 | 2.1 | 2.6 | 3.4 |



Depth gauges

Limit. Of stainless steel. Matt chromium-plated scale. The ends of the rod and base are hardened. The scale is graduated in mm and has 1/20 mm vernier. Lockable. Tolerance according to DIN 862.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 2643 | -0108 | -0207 | -0405 | -0504 |
| Measuring depth | mm | 150 | 200 | 300 | 500 |
| Base length | mm | 100 | 100 | 100 | 150 |



Limit. Of stainless steel. Matt chromium-plated scale. Reversible scale for measuring with hook or tip. Graduated in mm. Vernier scale 0.05 mm. Tolerance according to DIN 862.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 2255 | -0107 |
| Measuring depth | mm | 300 |
| Base length | mm | 150 |
| Hook dim. | mm | 16x10 |



Limit. Of stainless steel. Matt chromium-plated scale. Reversible scale for measuring with hook or point. Graduated in mm. Vernier scale 0.05 mm. Tolerance according to DIN 862.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 12257 | -0104 |
| Measuring depth | mm | 200 |
| Stock length | mm | 100 |
| Hook length | mm | 6 |

Limit. Of stainless steel. Matt chromium-plated scale. With replaceable, hardened steel pin. The scale is graduated in mm and has 1/20 mm vernier. Lockable. Tolerance according to DIN 862.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 2645 | -0106 | -0205 |
| Measuring depth | mm | 80 | 200 |
| Base length | mm | 50 | 100 |



Digital depth gauges

Limit. Adjustable absolute value. Can be switched from mm to inches. With reset and off button. Fine adjusting screw. DIN 862. Extra batteries V 13 GS/V 357 (SR44), art.no. 2928-1003.

| | | |
|-------------------------|-------------|--------------|
| Art. no. | 2146 | -0605 |
| Measuring depth | mm | 200 |
| Resolution | mm | 0.01 |
| Precision | ± mm | 0.03 |
| Base length | mm | 100 |
| Indicator rod dim. | mm | 14,5 x 4 |



Depth gauges

Digital depth gauges

Limit. Digital depth gauge for measuring tread depth of tires and suchlike. Extra battery V13GS/V357 (SR44).



| | | |
|-------------------------------|--------------|--------------|
| Art. no. | 13236 | -0108 |
| Tread depth | mm | 0-25 |
| Measuring tip dimension | mm | 5 x 4 |
| Stop dimension | mm | 55 x 6 |
| Extra battery | 2928 | -1003 |

Height gauges

Limit. Precision design. Matt chromium-plated scale. Graduated in mm. With fine-adjusting screw and vernier reading 0.05 mm. DIN 862.



| | | | | |
|----------------------------------|-------------|--------------|--------------|--------------|
| Art. no. | 2249 | -0056 | -0106 | -0205 |
| Scribing height | mm | 300 | 500 | 1000 |
| Base plate dim. | mm | 110x60 | 150x90 | 220x150 |
| Weight | kg | 2.6 | 4.7 | 10 |
| Extra scriber point | 2249 | -0304 | -0403 | -0403 |

Limit. The measurement value is read-off in whole mm on the counter and in 0.01 mm on the dial indicator. 1 pointer turn = 1 mm. Dual counter, one adding and one subtracting, that can be reset individually in optional position. Flexible height setting with knob on the back. Measuring tip of hard metal. DIN 862.



| | | |
|----------------------------|--------------|--------------|
| Art. no. | 10235 | -0105 |
| Scribing height | mm | 500 |
| Base dim. | mm | 150x100 |
| Extra scriber | 10235 | -0204 |

Digital height gauge

Limit. Of stainless steel. High contrast LCD display. Adjustable measurement direction and between mm and imperial measurements. Reset button. Hold function. DIN 862. Connection to PC. Suitable PC cable, see 7311-0108. Extra batteries 3 V-CR 2032, art. no 10960-0304.



| | | | |
|--|-------------|--------------|--------------|
| Height marking gauges | 2146 | -1108 | -1306 |
| Scribing height | mm | 300 | 500 |
| Resolution | mm | 0.01 | 0.01 |
| Precision | ±mm | 0.03 | 0.03 |
| Horizontal range of measuring tip, max | mm | 110 | 145 |
| Base dim. | mm | 110x65 | 120x170 |
| Overall height | mm | 455 | 640 |
| Extra scriber | 2146 | -1207 | -1405 |



Micrometers

Micrometers

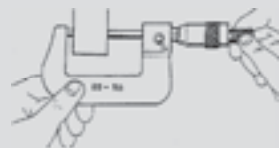
When accuracy of 0.01 mm is required the micrometer is the most common instrument. The external measuring screw usually has an increment of 0.5 mm/revolution.

The base scale is on the sleeve and is graduated in intervals of 0.5 mm. On the thimble there are 50 graduation marks which indicate 1/100 value (0.01 mm).

Micrometers also have a friction facility which allows a constant measuring power which is important when measuring 1/100 and 1/1000 mm measurements.

There are many different micrometers for different appliances e.g. outer, depth, bore/hole measurements. Further more there are micrometers which different designs for the feeler pin for special purposes.

Table of tolerances for micrometers according to DIN 863



| Measuring range mm | Permitted total error µm | Parallelism tolerance for measuring surfaces with measuring pressure 10 N µm |
|-----------------------|-----------------------------|--|
| 0 – 25 | 4 | 2 |
| 25 – 50 | 4 | 2 |
| 50 – 75 | 5 | 3 |
| 75 – 100 | 5 | 3 |
| 100 – 125 | 6 | 3 |
| 125 – 150 | 6 | 3 |
| 150 – 175 | 7 | 4 |
| 175 – 200 | 7 | 4 |
| 200 – 225 | 8 | 4 |
| 225 – 250 | 8 | 4 |
| 250 – 275 | 9 | 5 |
| 275 – 300 | 9 | 5 |

Limit



Limit. Forged frame and matt chromium-plated scale. Hardened 6.5 mm with fine-polished measuring faces of hard metal. Friction sleeve and lock nut. DIN 863.

| | | | | | |
|-------------------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 9538 | -0101 | -0200 | -0309 | -0408 |
| Measuring range | mm | 0-25 | 25-50 | 50-75 | 75-100 |
| Reading | mm | 0.01 | 0.01 | 0.01 | 0.01 |
| Precision | ±mm | 0.004 | 0.004 | 0.005 | 0.005 |
| Ditto calibrated | 9538 | -0150 | - | - | - |

| | | | | | | |
|-------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 9538 | -1000 | -1109 | -1208 | -1307 | -1406 |
| Measurement range | inch | 0-1 | 1-2 | 2-3 | 3-4 | 4-5 |
| Reading | inch | 0.0001 | 0.0001 | 0.0001 | 0.0001 | 0.0001 |
| Precision | ±mm | 0.004 | 0.004 | 0.005 | 0.005 | 0.006 |



Limit. Set of 4 micrometers including standard gauge and hook spanner. Supplied in practical plastic case. DIN 863.

| | | |
|-------------------------|-------------|--------------|
| Art. no. | 9538 | -2008 |
| Measurement range | mm | 0-100 |
| Resolution | mm | 0.01 |
| Precision 0-50 | ±mm | 0.004 |
| Precision 50-100 | ±mm | 0.005 |

Micrometers

Limit. Splashproof – IP54. Forged frame. Hardened spindle 6.5 mm with fine-polished measuring faces of hard metal. Off button. Friction sleeve and lock nut. DIN 863. Battery type SR 44, art no 2928-1003.



| | | | | | |
|-------------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 9664 | -0107 | -0206 | -0305 | -0404 |
| Measurement range | mm | 0-25 | 25-50 | 50-75 | 75-100 |
| Resolution | mm | 0.001 | 0.001 | 0.001 | 0.001 |
| Precision | ±mm | 0.004 | 0.004 | 0.005 | 0.005 |



Limit. For left and right-handed use with displays on both sides. Fine-polished measuring faces of hard metal. Hardened spindle 6.5 mm. The micrometers can also be read upside down. DIN 863. 3V battery CR2032, art. no. 10960-0304.

| | | |
|-------------------------|--------------|--------------|
| Art. no. | 12060 | -0101 |
| Measurement range | mm | 0-30 |
| Precision | ±mm | 0.004 |

Limit. Enamelled steel frame and matt chromium-plate scale. Hardened spindle 6.5 mm with fine-polished measuring faces of hard metal. Friction screw and lock nut. DIN 863.



| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 9542 | -0105 | -0204 | -0303 | -0402 |
| Measuring range | mm | 100-125 | 125-150 | 150-175 | 175-200 |
| Reading | mm | 0.01 | 0.01 | 0.01 | 0.01 |
| Precision | ±mm | 0.006 | 0.006 | 0.007 | 0.007 |

Limit. Large measuring drum with 100 division lines. 1 turn = 1 mm. Matt chromium-plated scale. Fine-polished measuring faces of hard metal. Friction drum and lock nut. DIN 863.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 10237 | -0103 |
| Measuring range | mm | 0-25 |
| Reading | mm | 0.01 |
| Precision | ±mm | 0.04 |

Limit. Measurement value is shown on the counter. Fine-polished measuring faces of hard metal. Friction drum and lock nut. DIN 863.



| | | | |
|-------------------------|--------------|--------------|--------------|
| Art. no. | 11910 | -0105 | -0204 |
| Measurement range | mm | 0-25 | 25-50 |
| Reading | mm | 0.01 | 0.01 |
| Precision | ±mm | 0.004 | 0.004 |



Micrometers

Limit. Enamelled steel frame and matt chromium-plated scale. With interchangeable insert rods. Hardened spindle and insert rods 8.0 mm with fine-polished measuring faces of hard metal. DIN 863.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 9544 | -0103 | -0202 |
| Measuring range | mm | 0-150 | 150-300 |
| Reading | mm | 0.01 | 0.01 |
| Precision | ±mm | 0.006 | 0.009 |



Limit. Forged frame. Hardened spindle and interchangeable insert rods 8 mm with fine-polished measuring faces of hard metal. Absolute/incremental measuring. Adjustable absolute value. Friction sleeve and lock nut. DIN 863. Battery type SR 44, art.no. 2928-1003.

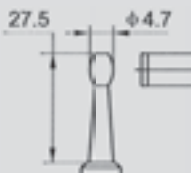
| | | |
|-----------------------|-------------|--------------|
| Art. no. | 9676 | -0103 |
| Measuring range | mm | 0-150 |
| Resolution | mm | 0.001 |
| Precision | ±mm | 0.006 |



Limit. Enamelled low weight frame of steel. Matt chromium-plated scale. Adjustable measuring rod with fixed spacing sleeves. Hardened spindle 8.0 mm with fine-polished measuring faces of hard metal. DIN 863.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 9545 | -0102 | -0201 | -0300 | -0409 |
| Measuring range | mm | 300-400 | 400-500 | 500-600 | 600-700 |
| Reading | mm | 0.01 | 0.01 | 0.01 | 0.01 |
| Precision | ±mm | 0.011 | 0.013 | 0.015 | 0.016 |

Tube micrometer



Limit. Forged frame and matt chromium-plated scale. Hardened spindle 6.5 mm with fine-polished measuring face of hard metal. Anvil 4.8 mm. Friction sleeve and lock screw. DIN 863.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 9548 | -0109 |
| Measuring range | mm | 0-25 |
| Reading | mm | 0.01 |
| Precision | ±mm | 0.006 |

Micrometers

Digital tube micrometer

Limit. Digital tube micrometer. Waterproof IP 54. Forged frame with matt chromium-plated scale. Hardened spindle with twin spherical measuring faces. Friction sleeve and lock nut. Can be switched between mm and English inches. Automatic switching off. DIN 863.

Supplied in case. Battery type SR44, art no. 2928-1003.



| | | |
|-----------------------|--------------|--------------|
| Art. no. | 13268 | -0109 |
| Measuring range | mm | 0-25 |
| Resolution | mm | 0.001 |
| Precision | mm | ±0.004 |

With conical measuring tips



Limit. Forged frame with matt scale. Hardened spindle 6.5 mm with hardened measuring tips of hard metal. Friction screw and lock nut. DIN 863.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 9564 | -0108 |
| Measuring range | mm | 0-25 |
| Reading | mm | 0.01 |
| Precision | ±mm | 0.004 |

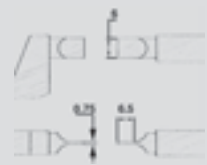


With blade measuring tips



Limit. Forged frame with matt chromium-plated scale. Hardened spindle 8 mm with hardened measuring tips. Friction sleeve and lock nut. DIN 863.

| | | |
|----------------------------|-------------|--------------|
| Art. no. | 9609 | -0105 |
| Measuring range | mm | 0-25 |
| Reading | mm | 0.01 |
| Precision | ±mm | 0.004 |
| Blade thickness | mm | 0.75 |
| Blade length x width | mm | 6.5x6 |



Tooth micrometer



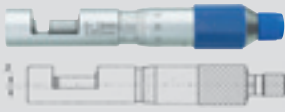
Limit. Forged frame and matt chromium-plated scale. Hardened spindle 7.5 mm. Friction sleeve and lock nut. DIN 863.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 9613 | -0109 |
| Measuring range | mm | 0-25 |
| Reading | mm | 0.01 |
| Precision | ±mm | 0.004 |
| Face height | mm | 6 |
| Face width | mm | 6 |
| Face thickness | mm | 3.5 |



Micrometers

Wire micrometer



Limit. Matt chromium-plated scale. Hardened spindle 6.5 mm with fine-polished measuring faces of hard metal. Friction sleeve and lock nut. DIN 863.

| | | |
|------------------------|-------------|--------------|
| Art. no. | 9614 | -0108 |
| Measuring range | mm | 0-13 |
| Reading | mm | 0.002 |
| Precision | ±mm | 0.004 |
| Measuring height | mm | 5 |

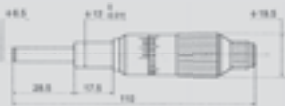
For precision work



Limit. Reading 0.01 mm. For measuring small components and inserts etc. Thimble diameter 17 mm. Measuring faces of steel. With friction and locking device. Insulation plates to counteract heat from hand. Matt chromium-plated micrometer head. DIN 863.

| | | |
|------------------------------------|-------------|--------------|
| Art. no. | 7322 | -0105 |
| Measurement range | mm | 0-16.5 |
| Measuring pin, length x diam. | mm | 5x2 |

Micrometer head



Limit. Vernier for reading 0.01 mm. Measuring face of hard metal. With friction thimble. DIN 863.

| | | |
|----------------------------|-------------|--------------|
| Art. no. | 7324 | -0103 |
| Measuring range | mm | 0-25 |
| Fitting diam.xlength | mm | 12x17 |

Thread micrometers

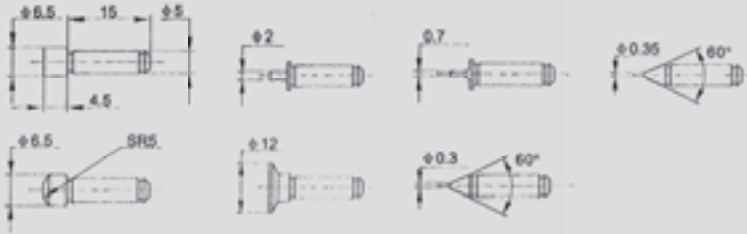


Limit. Forged frame with matt chromium-plated scale. Reading 0.01 mm. For outside measuring of thread diameter. Interchangeable V-shaped and cone-shaped anvils (Not included). Friction thimble and locking device. Tolerance according to DIN 863.

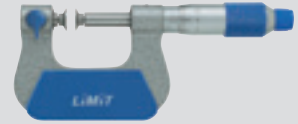
| | | | | | |
|---|--------------|--------------|--------------|--------------|------------------|
| Art. no. | 13272 | -0103 | -0400 | -0509 | -0608 |
| Measuring range | mm | 0-25 | 25-50 | 50-75 | 75-100 |
| Accuracy | mm | 0.01 | 0.01 | 0.01 | 0.01 |
| Precision | mm | ±0.004 | ±0.004 | ±0.004 | ±0.005 |
| Set with 6 pairs of V-shaped and cone-shaped anvils 60° | 13272 | -0202 | | | |
| Pitch | mm | 0.4-0.5 | 0.6-0.9 | 1-1.75 | 2-3 3.5-5 5.5-7 |
| Threads per inch | | 64-48 | 44-28 | 24-14 | 13-9 8-5 4.5-3-5 |
| Set with 10 pairs of V-shaped and cone-shaped anvils 55° | 13272 | -0301 | | | |
| Threads per inch | | 60-48 | 48-40 | 40-32 | 32-24 24-18 |
| | | 18-14 | 14-10 | 10-7 | 7-4.5 4.5-3.5 |

Micrometers

With exchangeable tips



Limit. Universal micrometer with 7 pairs of interchangeable measuring tips. The measuring tips are easy to replace. The anvil is adjustable.
 Measuring tips: smooth \varnothing 6.5 mm, smooth \varnothing 12 mm, smooth \varnothing 2x4 mm, spherical \varnothing 6.5 mm, tapered 60°, pointed 60°, knife-edged 6.5x0.8x3.5 mm.
 Forged frame, matt chromium-plated sleeve. Friction sleeve.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 2250 | -0102 |
| Measuring range | mm | 0-25 |
| Reading | mm | 0.01 |
| Precision | \pm mm | 0.004 |

Micrometer holders

Limit. Rotating holder. Black finish.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 6007 | -0208 |
| Clamping range | mm | 0-14 |
| Height | mm | 100 |
| Diameter | mm | 105 |
| Weight | kg | 1.7 |



Limit. Rotating holder.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 10238 | -0102 |
| Clamping range | mm | 7-16 |
| Base (length x width) | mm | 120x80 |



Control gauges



Limit. Intended for controlling external micrometers. The measuring values correspond to the lower and upper limit for respective heat measuring range. Size 50 mm and larger are provided with insulation to counteract heat from hand.

| | | | | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. . . . | 2624 | -3006 | -3105 | -3204 | -3303 | -3402 | -3501 | -3600 | -3709 |
| Length | mm | 25 | 50 | 75 | 100 | 125 | 150 | 175 | 200 |
| Precision . . | ± μm | 0.5 | 1.0 | 1.0 | 1.5 | 1.5 | 2.0 | 2.0 | 2.5 |

Depth micrometer



Limit. Reading 0.01 mm, with interchangeable insert rods in steps of 25 mm. Matt chromium-plated micrometer head. DIN 863.

| | | | |
|---------------------------------|------|-------------|--------------|
| Art. no. | | 7325 | -0102 |
| Measuring depth | mm | mm | 0-100 |
| Base length | mm | mm | 63 |
| Number of insert rods | unit | unit | 4 |
| Insert rod diameter | mm | mm | 4.5 |

Internal micrometers



Limit. Matt chromium-plated scale. Hardened and fine-polished measuring faces. Friction screw and lock screw. DIN 863. Supplied with adjusting ring.

| | | | | | |
|---------------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 9615 | -0107 | -0206 | -0305 | -0404 |
| Measuring range | mm | 5-30 | 25-50 | 50-75 | 75-100 |
| Reading | mm | 0.01 | 0.01 | 0.01 | 0.01 |
| Precision | ±mm | 0.007 | 0.007 | 0.008 | 0.008 |



Limit. Matt chromium-plated scale. Consist of measuring head and requisite extension sleeves. Supplied with adjusting frame. DIN 863.

| | | | | |
|---------------------------|-------------|--------------|--------------|--------------|
| Art. no. | 9623 | -0107 | -0206 | -0305 |
| Measuring range | mm | 50-200 | 50-600 | 150-1400 |
| Reading | mm | 0.01 | 0.01 | 0.01 |
| Number of parts | unit | 5 | 7 | 9 |

Three-point internal micrometers

Limit. Three-point micrometers for measuring holes. With one-hand pistol grip and replaceable measurement head. Measuring faces of hard metal. Friction sleeve and locking catch. Extension bar for larger measurement depths as well as setting rings are included. Supplied in case. Indicator dial not included. Digital gauge art. no. 15130-0308 recommended.



With gauge

| Art. no. | 12061 | -0100 | -0209 | -0308 | -0407 |
|--------------------------------|-------|-------|-------|-------|--------|
| Measurement range | mm | 6-12 | 12-20 | 20-50 | 50-100 |
| Precision | ±mm | 0.004 | 0.004 | 0.005 | 0.005 |
| No. of measurement heads | ea. | 3 | 2 | 4 | 4 |
| Extension bar | mm | 100 | 150 | 150 | 150 |

Limit. For measuring holes. With friction device that gives a constant measurement force and self-centering measurement device. Measuring faces of hard metal. Measurement tips reach to 0.5 mm from the bottom of a blind hole. Setting ring included.

| Art. no. | 12781 | -0109 | -0208 | -0307 | -0406 | -0505 |
|-------------------------|-------|-------|-------|-------|-------|-------|
| Measurement range | mm | 12-16 | 16-20 | 20-25 | 25-30 | 30-40 |
| Reading | mm | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Precision | mm | 0.004 | 0.004 | 0.004 | 0.004 | 0.004 |
| Measuring depth | mm | 80 | 80 | 90 | 90 | 97 |

| Art. no. | 12781 | -0604 | -0703 | -0802 | -0901 | -1008 |
|-------------------------|-------|-------|-------|-------|-------|--------|
| Measurement range | mm | 40-50 | 50-63 | 62-75 | 75-88 | 87-100 |
| Reading | mm | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Precision | mm | 0.005 | 0.005 | 0.005 | 0.005 | 0.005 |
| Measuring depth | mm | 97 | 114 | 114 | 114 | 114 |



Limit. Set of several micrometers incl. setting rings and extension bar. The micrometers have measuring faces of hard metal. Measurement tips reach to 0.5 mm from the bottom of a blind hole.

| Art. no. | 12782 | -0108 | -0207 |
|-----------------------------------|-------|---------|--------|
| Measurement range, diameter | mm | 20-50 | 50-100 |
| Extension bar | mm | 150 | 150 |
| Number of micrometers | ea | 4 | 4 |
| No. of setting rings | ea | 2 | 2 |
| Measuring depth | mm | 240-247 | 264 |



Setting rings

Limit. Intended for inspection and setting internal micrometers and hole indicators.

| Art. no. | 12783 | -0107 | -0206 | -0305 | -0404 | -0503 | -0602 | -0701 |
|--------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| Diameter | mm | 10 | 16 | 25 | 30 | 40 | 62 | 87 |
| Tolerance | µm | ±1.5 | ±1.5 | ±1.5 | ±1.5 | ±1.5 | ±1.5 | ±1.5 |
| Cylindricity | µm | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |



Telescopic gauges



Limit. Adjustable gauge. Set of 6. Consists of two spring-loaded measuring cylinders. Of hardened steel. Locking with screw in top part of the handle. Can be read with a micrometer.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 5291 | -0106 |
| Measuring range | mm | 8-150 |



Limit. Spare gauges of set 5291.

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 5291 | -0205 | -0304 | -0403 |
| Measuring range | mm | 8-12.7 | 12.7-19 | 19-32 |

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 5291 | -0502 | -0601 | -0700 |
| Measuring range | mm | 32-54 | 54-90 | 90-150 |

Cylinder gauges



Limit. For precision measuring in holes and grooves. Provided with interchangeable measuring tips and spacers for different dimensions. The gauge is centered automatically with a spring-loaded support and has a hard metal coated measuring tip. Complete with dial indicator. Accuracy is $\pm 15 \mu\text{m}$ plus the gauge's accuracy, which is accordance with DIN 878.

| | | | | |
|--|-------------|--------------|--------------|--------------|
| Art. no. | 6193 | -1002 | -1101 | -1200 |
| Type | | D | E | F |
| Measurement range | mm | 10-18 | 18-35 | 35-50 |
| Precision | mm | 0.01 | 0.01 | 0.01 |
| Measuring depth | mm | 100 | 125 | 150 |
| Bottom holes can be measured from the bottom. | mm | 7 | 7 | 7.5 |
| Number of measuring tips. | | 9 | 9 | 4 |

| | | | | |
|---|-------------|--------------|--------------|--------------|
| Extra measurement tips - set | 6193 | -2000 | -2109 | -2208 |
|---|-------------|--------------|--------------|--------------|

| | | | |
|--|-------------|--------------|--------------|
| Art. no. | 6193 | -1309 | -1408 |
| Type | | H | J |
| Measurement range | mm | 50-160 | 160-250 |
| Precision | mm | 0.01 | 0.01 |
| Measuring depth | mm | 150 | 400 |
| Bottom holes can be measured from the bottom. | mm | 10 | 15 |
| Number of measuring tips. | | 12 | 12 |

| | | | |
|---|-------------|--------------|--------------|
| Extra measurement tips - set | 6193 | -2307 | -2406 |
|---|-------------|--------------|--------------|



Dial gauges

Dial indicators and dial test indicators are used for comparison measurements i.e. when the read value does not indicate the absolute measured value but a relative (incremental) measured value. The deviation from a master or a gauge block combination is read. With a digital indicator however the absolute measured value can be preset which simplifies the reading. The dial indicator can also be used together with a bore gauge for bore/hole measuring, or using a measuring fixing device.

Dial test indicators are used in places where access is difficult, such as inside a bore/hole. By moving the feeler pin of the dial test indicator along a surface roughnesses and eccentricities can be read. The feeler pin of the dial test indicator makes a circular movement unlike the movement of the dial indicator which is linear. Therefore it is important to hold the feeler pin perpendicular to the measured surface.

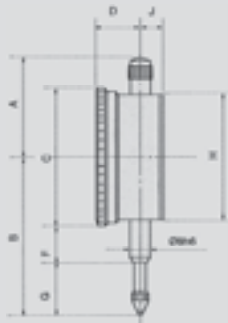
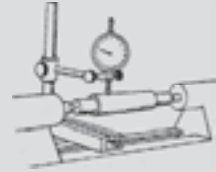
Table of tolerances for dial indicators according to DIN 878.

(Tolerance according to DIN 7168/1).

Max permitted measuring deviation for all measuring ranges.

(Reference temperature +20°C.)

| | | | | | | |
|------------------------------|----|-----|-----|----|----|----|
| Measuring range | mm | 0.4 | 0.8 | 3 | 5 | 10 |
| Max deviation incl. backlash | µm | 9 | 9 | 12 | 14 | 17 |



Limit. Mini dial gauge. With turnable scale. Extra pointer that shows whole mm. Replaceable measuring tip. Without mounting lug. Tolerance according to DIN 878.

| | | |
|---------------------------|--------------|--------------|
| Art. no. | 10390 | -0106 |
| Measurement range | mm | 5 |
| Scale division | mm | 0.01 |
| Scale graduation | | 0-50, 50-0 |
| One pointer turn = | mm | 0.5 |
| Dial diameter | mm | 40 |
| Fixing pin diameter | mm | 8 |
| Dimension A | mm | 38 |
| Dimension B | mm | 48 |
| Dimension C | mm | 42 |
| Dimension D | mm | 14 |
| Dimension F | mm | 14 |
| Dimensions G | mm | 13 |
| Dimension H | mm | 40 |
| Dimension J | mm | 7 |

Dial gauges

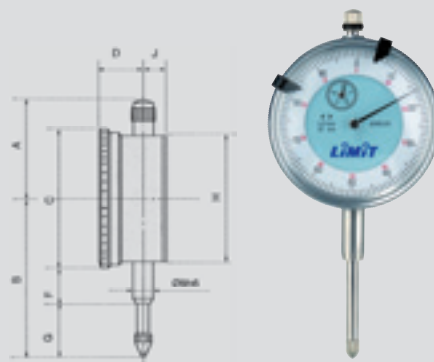
Limit. With turnable scale and two adjustable tolerance indexes. Extra pointer that indicates whole millimetres. Body made of aluminium. Replaceable measuring tip. Without mounting lug. Tolerance according to DIN 878.

11911-0153 Rear with securing lug, hole 6.5 mm.

Accessories, see 5318 page 523.

| Art. no. | 11911 | -0104 | -0153 | -0203 |
|---------------------|-------|--------------|----------------------|--------------|
| Measurement range | mm | 10 | 10 with securing lug | 25 |
| Scale division | mm | 0.01 | 0.01 | 0.01 |
| Scale graduation | | 0-100, 100-0 | 0-100, 100-0 | 0-100, 100-0 |
| One pointer turn = | mm | 1 | 1 | 1 |
| Dial diameter | mm | 58 | 58 | 58 |
| Fixing pin diameter | mm | 8 | 8 | 8 |
| Dimension A | mm | 44 | 44 | 38 |
| Dimension B | mm | 69 | 69 | 81 |
| Dimension C | mm | 58 | 58 | 58 |
| Dimension D | mm | 17 | 17 | 17 |
| Dimension F | mm | 18 | 18 | 18 |
| Dimensions G | mm | 21 | 21 | 34 |
| Dimension H | mm | 54 | 54 | 54 |
| Dimension J | mm | 8.5 | 8.5 | 8.5 |

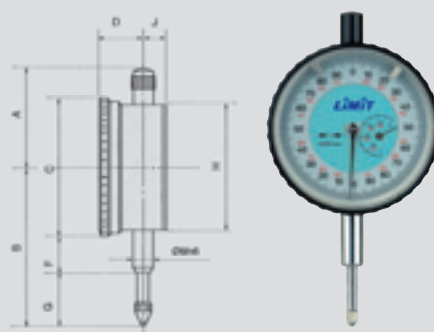
| Art. no. | 11911 | -1003 |
|---------------------|-------|------------|
| Measurement range | inch | 0.5 |
| Scale division | inch | 0.0005 |
| Scale graduation | inch | 0-50, 50-0 |
| One pointer turn = | inch | 0.05 |
| Dial diameter | mm | 58 |
| Fixing pin diameter | mm | 8 |
| Dimension A | inch | 1.48 |
| Dimension B | inch | 2.74 |
| Dimension C | inch | 2.28 |
| Dimension D | inch | 0.64 |
| Dimension F | inch | 0.69 |
| Dimensions G | inch | 0.91 |
| Dimension H | inch | 2.11 |
| Dimension J | inch | 0.32 |



Limit. With turnable scale and two adjustable tolerance indexes. Extra pointer, graduated in 0.2 mm up to whole mm. Body made of aluminium. Replaceable measuring tip. Without mounting lug. Tolerance according to DIN 878.

Accessories, see 5318 page 523.

| Art. no. | 11912 | -0103 |
|---------------------|-------|--------------|
| Measurement range | mm | 1 |
| Scale division | mm | 0.001 |
| Scale graduation | | 0-100, 100-0 |
| One pointer turn = | mm | 0.2 |
| Dial diameter | mm | 58 |
| Fixing pin diameter | mm | 8 |
| Dimension A | mm | 45 |
| Dimension B | mm | 69 |
| Dimension C | mm | 58 |
| Dimension D | mm | 17 |
| Dimension F | mm | 18 |
| Dimensions G | mm | 34 |
| Dimension H | mm | 54 |
| Dimension J | mm | 8.5 |

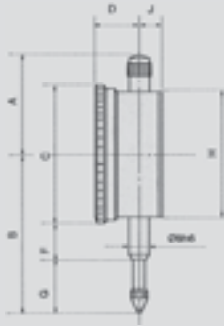


Dial gauges

Shock proof

Limit. In impact resistant design. With turnable scale and two adjustable tolerance indexes. Extra pointer that shows whole mm. Casing of heavy duty plastic. Replaceable measuring tip. Without mounting lug (cannot be fitted with mounting lug). Tolerance according to DIN 878.

4397-0250 Rear with securing lug, hole 6.5 mm.
Accessories, see 5318 page 523.



| Art. no. | 4397 | -0201 | -0250 |
|-------------------------------|--------------|--------------|----------------------|
| Measurement range . . . | mm 10 | 10 | 10 with securing lug |
| Scale division | mm 0.01 | 0.01 | 0.01 |
| Scale graduation | 0-100, 100-0 | 0-100, 100-0 | 0-100, 100-0 |
| One pointer turn = | mm 1 | 1 | 1 |
| Dial diameter | mm 58 | 58 | 58 |
| Fixing pin diameter | mm 8 | 8 | 8 |
| Dimension A | mm 44 | 44 | 44 |
| Dimension B | mm 69 | 69 | 69 |
| Dimension C | mm 58 | 58 | 58 |
| Dimension D | mm 17 | 17 | 17 |
| Dimension F | mm 18 | 18 | 18 |
| Dimensions G | mm 21 | 21 | 21 |
| Dimension H | mm 54 | 54 | 54 |
| Dimension J | mm 8.5 | 8.5 | 8.5 |
| <i>Ditto calibrated.</i> | <i>4397</i> | <i>-0300</i> | - |

Limit

Limit. In impact resistant design. With turnable scale and two adjustable tolerance indexes. Extra pointer that indicates whole millimetres. Body made of aluminium. Replaceable measuring tip. Without mounting lug. Tolerance according to DIN 878.

Accessories, see 5318 page 523.



| Art. no. | 11913 | -0102 | -0201 |
|-------------------------------|---------|-------|-------|
| Measurement range | mm 50 | 50 | 80 |
| Scale division | mm 0.01 | 0.01 | 0.01 |
| Scale graduation | 0-100 | 0-100 | 0-100 |
| One pointer turn = | mm 1 | 1 | 1 |
| Dial diameter | mm 58 | 58 | 58 |
| Fixing pin diameter | mm 8 | 8 | 8 |
| Dimension A | mm 108 | 139 | 139 |
| Dimension B | mm 127 | 169 | 169 |
| Dimension C | mm 58 | 58 | 58 |
| Dimension D | mm 20 | 20 | 20 |
| Dimension D | mm 8 | 8 | 8 |
| Dimension F | mm 40 | 52 | 52 |
| Dimensions G | mm 58 | 88 | 88 |
| Dimension H | mm 54 | 54 | 54 |
| Dimension J | mm 8 | 8 | 8 |

Electronic dial gauge

Limit. Digital gauge. tolerance function. Adjustable between absolute and incremental measurement values. Resetting. Adjustable between metric and imperial. DIN 878.

Extra battery 3 V type CR 2025.



15130-0100



| Art. no. | 15130 | -0100 | -0209 | -0308 |
|-------------------------------|----------|-------|-------|-------|
| Measurement range | mm 12.5 | 25 | 25 | 12.5 |
| Reading | mm 0.01 | 0.01 | 0.01 | 0.001 |
| Precision | mm 0.02 | 0.02 | 0.02 | 0.013 |
| Digit height | mm 12 | 12 | 12 | 12 |
| Dial diameter | mm 57 | 57 | 57 | 57 |
| Gauge thickness | mm 26 | 26 | 26 | 26 |
| Fixing pin diameter | mm 8 | 8 | 8 | 8 |
| Measure A | mm 123.5 | 151.0 | 151.0 | 123.5 |
| Measure B | mm 20 | 20 | 20 | 20 |
| Measure C | mm 24 | 34 | 34 | 24 |
| Measure D | mm 8 | 8 | 8 | 8 |

Dial gauges

Accessories



Back



Lifting arm



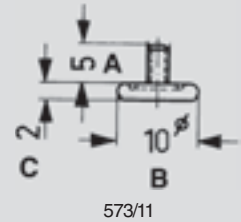
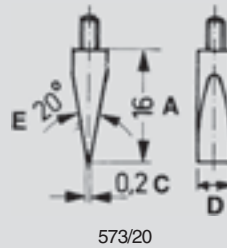
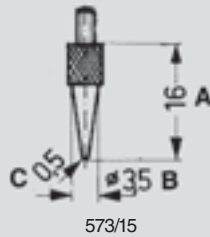
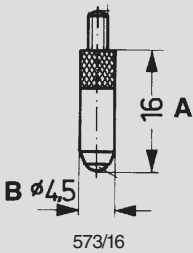
Magnetic attachment

Back with lug. Only for Käfer dial indicators with diameters 58 and 61 mm.

Lift arm for dial indicators.

Magnetic attachment. Magnetic back and ball-joint. For dial indicators and lever type indicators. Mounting hole 8 mm.

| | | | | |
|-----------------------|-------------|--------------|--------------|---------------------|
| Art. no. | 5318 | -0105 | -0204 | -0303 |
| Designation | | Back | Lifting arm | Magnetic attachment |



Spare measuring tips for dial indicators.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 5318 | -1004 | -1103 | -1202 | -1301 |
| Orig. no. | | 573/16 | 573/15 | 573/20 | 573/11 |
| Tip | | Half round | Tapered | Flat | Flat |
| Dimension A. | mm | 16 | 16 | 16 | 5 |
| Dimension B Ø. | mm | 4.5 | 3.5 | - | 10 |
| Dimension C | mm | - | 0.5 | 0.2 | 2 |
| Dimension D | mm | - | - | 5 | - |
| Dimension E. | | - | - | 20° | - |

| | |
|-----------------------|-----------------|
| Extension bars | Art. no. |
| mm | 2651 |
| Length 10 mm | -0131 |
| Length 30 mm | -0206 |
| Length 60 mm | -0305 |
| Length 90 mm | -0404 |

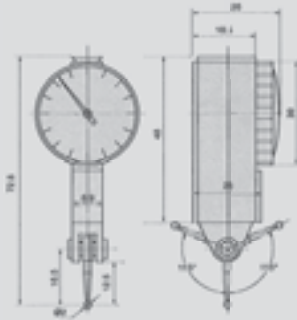
Limit. 15129-0103. Holder for indicator dial. With 8 and 6 mm holes and dovetail slot for level type dial indicator.

15129-0202. Holder with ball joint for level type dial indicator. Dovetail slot.

| | | |
|--|--------------|--------------|
| Art. no. | 15129 | -0103 |
| Hole diameter for indicator dial/level type dial indicator. | mm | 8 and 6 |
| Holder arm dim. | mm | 6x12 |
| Length | mm | 100 |
| Art. no. | 15129 | -0202 |
| Hole diameter for indicator dial/level type dial indicator. | mm | 8 |
| Holder arm dim. | mm | ∅ 8 |
| Length | mm | 65 |



Flip flop indicators



Limit. The movement of the pointer is reversible. Turnable scale for zeroing. Supplied with two fixing pins, diameter 8 mm and 6 mm.

| | | |
|-------------------------------------|-------------|--------------|
| Art. no. | 2259 | -0103 |
| Measuring range | mm | 0.8 |
| Scale division | mm | 0.01 |
| Scale graduation | | 0-40-0 |
| Dial diam. | mm | 30 |
| Tip length | mm | 15 |
| Lever movement | | vertical |
| Extra measurement tips | 2259 | -0202 |
| Extra fixed pin 8 mm | 2259 | -0301 |



Limit. Digital dial with angled tip. The measurement tip registers in both directions. Tolerance function. Resetting. Switching between metric (mm) and imperial (inch). Pivoted display for easy reading.
Supplied with adhesive tape 8 mm.

| | | |
|-------------------------|--------------|---------------|
| Art. no. | 16756 | -0101 |
| Measurement range | mm | 0.5 |
| Reading | mm | 0.001 |
| Precision | mm | ±0.009 |
| Battery | | 1 x 1.5V SR44 |

Magnetic stand with dial indicator



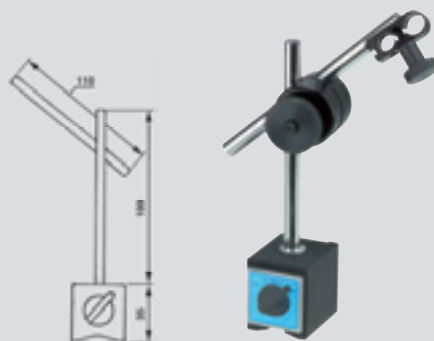
Limit. Magnetic stand 11908-0208 with indicator dial 11911-0104.

| | | |
|-----------------------------|--------------|--------------|
| Art. no. | 11908 | -1008 |
| Indicator stand: | | |
| Max height adjustment | mm | 330 |
| Base dim. | mm | 50x55x58 |
| Securing hole diam. | mm | 8 |
| Magnetic force | kg | 80 |
| Weight. | kg | 1.9 |
| Indicator dial: | | |
| Measurement range | mm | 10 |
| Scale division | mm | 0.01 |
| Scale graduation | | 0-100, 100-0 |
| One pointer turn = | mm | 1 |
| Dial diameter | mm | 58 |

Magnetic stands

Limit. Mini stand with magnetic base. V-slot in magnetic base's bottom. Magnetism switched on and off with a lever.

| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 15128 | -0104 |
| Max height adjustment | mm | 230 |
| Dimension of magnetic foot | mm | 30x35x36 |
| Mounting hole diameter | mm | 8 and 6 |
| Magnetic fastening force | kg | 40 |
| Net weight | kg | 2 |



Limit. With fine adjustment. With magnetic base. The bottom and back are magnetic. The magnetism is switched on and off with the button. Vertically and horizontally adjustable. Supplied with top and bottom holder, but without dial indicator.

| | | |
|------------------------------|-------------|--------------|
| Art. no. | 6019 | -1004 |
| Max height adjustment | mm | 250 |
| Base dimensions | mm | 50x55x58 |
| Mounting hole diameter | mm | 8 |
| Magnetic force | kg | 75 |
| Net weight | kg | 1.5 |

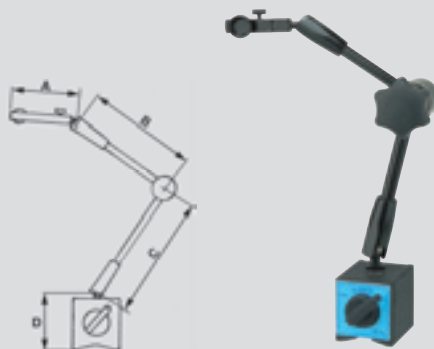
Top and bottom holder.

Separate magnetic base. Threaded hole M8.



Limit. With fine adjustment in the top holder. Holder with holes for indicator dial and dovetail slot for rocker indicator. Central locking with one knob for the bottom, middle and top joints. Magnetic base with V-slot in the bottom. Supplied without indicator dial.

| | | | |
|------------------------------|--------------|--------------|--------------|
| Art. no. | 11908 | -0208 | -0307 |
| Max height adjustment | mm | 330 | 385 |
| Base dim. | mm | 50x55 | 50x75 |
| Mounting hole diameter | mm | 8 | 8 |
| Magnetic force. | kg | 80 | 100 |
| Net weight | kg | 8 | 2.2 |
| Mått A | mm | 70 | 80 |
| Mått B | mm | 115 | 115 |
| Mått C | mm | 145 | 190 |
| Mått D | mm | 55 | 55 |



Magnetic stands



Flexible arm - lockable with lever in every required position. Magnetic base - on the V-shaped bottom and on one side. The magnetism is switched on and off with a knob. Supplied without dial indicator.

| | | |
|-------------------------------|-------------|--------------|
| Art. no. | 6020 | -0201 |
| Arm length | mm | 330 |
| Base dimensions | mm | 50x55x58 |
| Mounting hole diameters | mm | 6 & 8 |
| Magnetic force | kg | 80 |
| Net weight | kg | 1.6 |

Dial gauge stand



Limit. Measuring table with precision ground surface. 3mm fine tuning.

| | | |
|--|-------------|--------------|
| Art. no. | 5322 | -0208 |
| Table area | mm | 60x60 |
| Max height table/measuring tip | mm | 145 |
| Horizontal range, measuring tip/pillar | mm | 75 |
| Mounting hole diameter | mm | 8 |
| Weight | kg | 3.5 |

Thickness gauges



Limit. Suitable for both soft and hard materials.

| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 11915 | -0100 |
| Measurement range | mm | 10 |
| Reading | mm | 0.01 |
| Measuring surface diameter | mm | 8 |
| Yoke depth | mm | 12 |



Limit. Suitable for both soft and hard materials.

| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 11916 | -0109 |
| Measurement range | mm | 10 |
| Reading | mm | 0.01 |
| Measuring surface diameter | mm | 10 |
| Yoke depth | mm | 30 |



Limit. Suitable for both soft and hard materials.

| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 11917 | -0108 |
| Measurement range | mm | 10 |
| Reading | mm | 0.01 |
| Measuring surface diameter | mm | 10 |
| Yoke depth | mm | 120 |

Thicknes gauges

Electronic

Limit. Digital display. Can be switched between mm or inches. Automatic switching off. Reset button.

Extra battery V13GS/V 357 (SR44), art.no. 2928-1003.

| | | |
|----------------------------------|-------------|--------------|
| Art. no. | 2294 | -0100 |
| Measuring range | mm | 0-15 |
| Resolution | mm | 0.01 |
| Tolerance | mm | ±0.02 |
| Measuring surface diameter | mm | 8.9 |
| Yoke depth | mm | 13 |



Snap gauges

Limit. For external measuring. Hardened, round measuring tips. Turnable scale.

| | | |
|-------------------------------|-------------|--------------|
| Art. no. | 2268 | -0102 |
| Measuring range | mm | 0-50 |
| Scale division | mm | 0.05 |
| One pointer turn = | mm | 5 |
| Measuring depth, length | mm | 125 |
| Measuring tip dim. | mm | ∅ 2.6x1.5 |



Limit. For internal measuring. Hardened, round measuring tips. Turnable scale.

| | | | |
|--------------------------|-------------|--------------|--------------|
| Art. no. | 2272 | -0106 | -0205 |
| Measuring range | mm | 10-30 | 30-50 |
| Scale division | mm | 0.01 | 0.01 |
| One pointer turn = | mm | 2 | 2 |
| Measuring depth | mm | 100 | 150 |
| Measuring tip dim. | mm | ∅ 2.6x1.5 | ∅ 2.6x1.5 |



Pocket lenses

Workshop pocket lenses

Limit. Lens with transparent acrylic tube, which gives good light conditions.

| | | |
|-----------------------|--------------|--------------|
| Art. no. | 16779 | -0104 |
| Magnification | | 10 X |
| Viewing diam. | mm | 25 |



Limit. Measurement lens with measurement scale and LED lighting. Ring for focusing.

16780-0101 With length scale.

16780-0200 With length, angle and radius scales.

| | | | |
|--------------------------|--------------|---------------|---------------|
| Art. no. | 16780 | -0101 | -0200 |
| Magnification | | 10 X | 10 X |
| Scale length | mm | 25 | 25 |
| Graduation | mm | 0.1 | 0.1 |
| View size diameter | mm | 30 | 30 |
| Battery | | 1 pc 6V 4LR44 | 1 pc 6V 4LR44 |



Microscope

With length scale

Limit. Mini microscope with length scale and LED lighting. Ring for focusing. Rotatable length scale through 360°.

| | | |
|-----------------------|--------------|---------------|
| Art. no. | 16781 | -0100 |
| Magnification | | 20 X |
| Scale length | mm | 6 |
| Graduation | mm | 0.05 |
| Viewing diam. | mm | 6 |
| Battery | | 3 x 1.5V SR44 |





Microscope Inspection equipment

Limit. Stereo microscope for laboratories and measurement rooms. Variable zoom optics 20 X - 40 x. Image turned the right way. Profile lighting from below and incidental lighting with adjustable luminosity. Double dials on the right and left-hand sides for focusing and magnification. Adjustable eye distance. Supplied with transparent disc, black and white disc, pincers with holder, protective hood, halogen lamps. Mains connection 230 V.

| | | |
|----------------------------|--------------|-----------------|
| Art. no. | 16782 | -0109 |
| Magnification | | 10 X - 40 X |
| Ocular | | WF 10X |
| Working distance max. | mm | 0-50 |
| Eye distance | mm | 50-75 |
| Dimension LxWxH | mm | 230 x 150 x 420 |
| Weight | kg | 5 |

Portable video scopes



Limit. Handheld inspection camera for connection to a PC. For inspection and localisation of problems in e.g. cavities in walls, drains, electrical cabinets, motors, etc. Easy to inspect in dark and confined areas. Camera function also permits documentation. Integrated LED lighting in the camera head. The flexible arm is self-supporting. Functions such as adjustment of brightness and photography are performed from the handle.

Accessories such as hook and magnet make it easy to pick up dropped objects. Waterproof camera head and flexible arm (IP 67).
Supplied with hook and magnet, PC cable, software and Swedish User Guide. Power supply taken from the PC.

| | | |
|-----------------------------------|--------------|--------------|
| Art. no. | 16777 | -0106 |
| Arm and camera head. Length | m | 0.9 |
| Camera head. Diameter | mm | 14 |
| Arm. Diameter | mm | 8.5 |
| Focusing distance | mm | 60 - ∞ |
| Viewing angle | | 54° |
| USB cable | m | 2 |
| Pixels | | 640x480 |



Limit. Handheld inspection camera with 2.4" LCD colour monitor. For inspection and localisation of problems in e.g. cavities in walls, drains, electrical cabinets, motors, etc. Easy to inspect in dark and confined areas. Integrated LED lighting in the camera head with adjustable brightness. The flexible arm is self-supporting. Accessories such as hook and magnet make it easy to pick up dropped objects. Waterproof camera head and flexible arm (IP 67).

Supplied complete with colour monitor, hook and magnet and Swedish Instructions. Battery powered (batteries not included).

| | | |
|-----------------------------------|--------------|-------------------|
| Art. no. | 16778 | -0105 |
| Monitor | | LCD 2.4" |
| Arm and camera head. Length | m | 0.9 |
| Camera head. Diameter | mm | 10 |
| Arm. Diameter | mm | 6.8 |
| Focusing distance | mm | 15-100 |
| Viewing angle | | 54° |
| Pixels | | 640x480 |
| Batteries | | 4 x 1.5V LR06. AA |



Rules and squares

Protractor measuring

For protractor measuring with 1° accuracy protractors with graduations in integer grades are used. For more accurate measuring than integer grades a bevel vernier protractor is used.

Planetary and squariness control

When controlling planetary and squareness rules or squares are used. There are both rules and squares with different tolerances. The most accurate types are knife edge rules and knife edge squares which have a knife edge formed black coloured edge for better contrast effect.

When using you see a light gap between the work piece and the measuring tool. By using a thickness gauge you can feel how rough a surface is or how high the angular error is.

Gauge blocks

To calibrate or reset measuring equipment, measuring fixing devices or gauge, gauge blocks are used. Also when adjusting tools and machines gauge blocks are used. Gauge blocks are blocks manufactured with a high dimensional accuracy, planetary and parallelism. By surface roughness the gauge blocks can obtain a very high adhesive strength when the blocks are turned and pressed together. That is how gauge block combinations are put together so that the total measurement value of all blocks is equal to the total length.

Table of tolerances according to DIN 866

For engineer's folding rules



Type A
Width 0.07-0.10 mm

Type B
Width 0.10-0.15 mm

| Measuring precision | length mm | Tolerance (mm) | | | | | |
|---------------------|-----------|----------------|------|------|------|------|------|
| | | 500 | 1000 | 1500 | 2000 | 3000 | 4000 |
| Type A | mm | 0.04 | 0.04 | 0.06 | 0.06 | 0.08 | 0.10 |
| Type B | mm | 0.10 | 0.10 | 0.15 | 0.15 | 0.20 | 0.25 |

Table of tolerances according to DIN 874.

Levelness tolerance (flatness) in µm for different degrees of precision.

The levelness tolerance indicates the max deviation between the lowest and highest point. (Reference temperature +20°C.)



| Engineer's rules | | | | | Straight-edges | |
|--------------------|----------------|-----|----|-----|--------------------|----------------|
| Length in mm ±2 | Tolerance (µm) | | | | Length in mm ±2 | Tolerance (µm) |
| | 00 | 0 | 1 | 2 | | |
| 500 | 4 | 7 | 12 | 21 | 75 | 2 |
| 750 | 6 | 9,5 | 17 | 27 | 100 | 2 |
| 1000 | 8 | 12 | 21 | 33 | 150 | 3 |
| 1500 | – | 17 | 29 | 46 | 300 | 3 |
| 2000 | – | 22 | 37 | 58 | | |
| 2500 | – | 27 | 46 | 71 | | |
| 3000 | – | 32 | 54 | 83 | | |
| 4000 | – | 42 | 71 | 108 | | |
| 5000 | – | – | 87 | 133 | | |

Table of tolerances for surface plates according to DIN 876

The levelness tolerance indicates the max deviation between the highest and lowest point on the surface. (Ref. temperature +20°C.)



| Measuring surface length mm | Levelness tolerance (flatness) in μm for different degrees of precision: | | | | |
|--------------------------------|---|----|----|----|-----|
| | 00 | 0 | 1 | 2 | 3 |
| 100 | 2 | 4 | 11 | 22 | 44 |
| 160 | 2 | 5 | 12 | 23 | 46 |
| 250 | 3 | 5 | 13 | 25 | 50 |
| 400 | 3 | 6 | 14 | 28 | 56 |
| 630 | 3 | 7 | 16 | 33 | 65 |
| 1000 | 4 | 8 | 20 | 40 | 80 |
| 1600 | 5 | 10 | 26 | 52 | 104 |
| 2000 | 6 | 12 | 30 | 60 | 120 |
| 2500 | 7 | 14 | 35 | 70 | — |

| Length of long leg mm | Rectangularity tolerance in μm for degree of precision: | | | | Surface smoothness tolerance in μm for degree of precision:*) | | | |
|--------------------------|--|----|----|-----|--|----|----|----|
| | 00 | 0 | 1 | 2 | 00 | 0 | 1 | 2 |
| 50 | 3 | — | — | — | 2 | 3 | 5 | 10 |
| 75 | 3 | 7 | 14 | 28 | 2 | 3 | 5 | 11 |
| 100 | 3 | 7 | 15 | 30 | 2 | 3 | 6 | 12 |
| 150 | 4 | 8 | 18 | 35 | 3 | 4 | 7 | 14 |
| 200 | 4 | 9 | 20 | 40 | 3 | 4 | 8 | 16 |
| 250 | 5 | 10 | 23 | 45 | 3 | 5 | 9 | 18 |
| 300 | 5 | 11 | 25 | 50 | 3 | 5 | 10 | 20 |
| 500 | 7 | 15 | 35 | 70 | 4 | 7 | 14 | 28 |
| 750 | 10 | 20 | 43 | 85 | 5 | 10 | 19 | 38 |
| 1000 | 12 | 25 | 60 | 120 | 6 | 12 | 24 | 48 |
| 1500 | 17 | 35 | 85 | 170 | 8 | 17 | 34 | 68 |

*) The surface smoothness tolerance for flat sides is 6 times the given value for contact surfaces.

Table of tolerances for gauge blocks according to DIN 861

(correspond with ISO 3650 and SS 3348)



| Nominal length mm | Degree of precision 00 | | Degree of precision 0 | | Degree of precision 1 | | Degree of precision 2 | |
|-------------------|--------------------------------------|--|--------------------------------------|--|--------------------------------------|--|--------------------------------------|--|
| | Length tolerance *) μm | Max length variation width **) μm | Length tolerance *) μm | Max length variation width **) μm | Length tolerance *) μm | Max length variation width **) μm | Length tolerance *) μm | Max length variation width **) μm |
| — 10 | ± 0.06 | 0.05 | ± 0.12 | 0.10 | ± 0.20 | 0.16 | ± 0.45 | 0.30 |
| (10) — 25 | ± 0.07 | 0.05 | ± 0.14 | 0.10 | ± 0.30 | 0.16 | ± 0.60 | 0.30 |
| (25) — 50 | ± 0.10 | 0.06 | ± 0.20 | 0.10 | ± 0.40 | 0.18 | ± 0.80 | 0.30 |
| (50) — 75 | ± 0.12 | 0.06 | ± 0.25 | 0.12 | ± 0.50 | 0.18 | ± 1.00 | 0.35 |
| (75) — 100 | ± 0.14 | 0.07 | ± 0.30 | 0.12 | ± 0.60 | 0.20 | ± 1.20 | 0.35 |
| (100) — 150 | ± 0.20 | 0.08 | ± 0.40 | 0.14 | ± 0.80 | 0.20 | ± 1.60 | 0.40 |
| (150) — 200 | ± 0.25 | 0.09 | ± 0.50 | 0.16 | ± 1.00 | 0.25 | ± 2.00 | 0.40 |
| (200) — 250 | ± 0.30 | 0.10 | ± 0.60 | 0.16 | ± 1.20 | 0.25 | ± 2.40 | 0.45 |
| (250) — 300 | ± 0.35 | 0.10 | ± 0.70 | 0.18 | ± 1.40 | 0.25 | ± 2.80 | 0.50 |
| (300) — 400 | ± 0.45 | 0.12 | ± 0.90 | 0.20 | ± 1.80 | 0.30 | ± 3.60 | 0.50 |
| (400) — 500 | ± 0.50 | 0.14 | ± 1.10 | 0.25 | ± 2.20 | 0.35 | ± 4.40 | 0.60 |
| (500) — 600 | ± 0.60 | 0.16 | ± 1.30 | 0.25 | ± 2.60 | 0.40 | ± 5.00 | 0.70 |
| (600) — 700 | ± 0.70 | 0.18 | ± 1.50 | 0.30 | ± 3.00 | 0.45 | ± 6.00 | 0.70 |
| (700) — 800 | ± 0.80 | 0.20 | ± 1.70 | 0.30 | ± 3.40 | 0.50 | ± 6.50 | 0.80 |
| (800) — 900 | ± 0.90 | 0.20 | ± 1.90 | 0.35 | ± 3.80 | 0.50 | ± 7.50 | 0.90 |
| (900) — 1000 | ± 1.00 | 0.25 | ± 2.00 | 0.40 | ± 4.20 | 0.60 | ± 8.00 | 1.00 |

*) = Permitted \pm deviation at arbitrary point in relation to nominal dimension.

**) = Permitted length variation (depending on flatness and parallelism error).

Steel rules



Limit. Of matt chromium-plated, stainless steel. **Extra thin** and bendable. Graduated in mm/mm on top and bottom edge.

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 2702 | -0106 | -0205 | -0304 | -0403 | -0502 | -0601 |
| Length..... | mm 100 | 150 | 200 | 300 | 500 | 1000 | 18x0.5 |
| Widthxthickness..... | mm 13x0.5 | 13x0.5 | 13x0.5 | 13x0.5 | 13x0.5 | 18x0.5 | 18x0.5 |



Limit. Hardened **stainless** steel. Matt chromium-plated, non-glare scale. Graduated on one side - top in mm/mm, bottom in inches.

| | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 2703 | -0055 | -0105 | -0204 | -0303 |
| Length..... | mm 150 | 300 | 600 | 1000 | 2000 |
| Widthxthickness..... | mm 15x0.5 | 15x0.5 | 25x1.0 | 30x1.2 | 35x1.5 |



Limit. Hardened **stainless** steel. With matt, chromium-plated surface for non-glare reading. Graduated in mm on top edge and half mm on bottom edge. Blank back.

| | | | | | | | |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 8427 | -0107 | -0206 | -0305 | -0404 | -0503 | -0602 |
| Length..... | mm 150 | 300 | 600 | 1000 | 2000 | 3000 | 4000 |
| Widthxthickness..... | mm 15x0.5 | 25x1 | 30x1.2 | 35x1.5 | 40x2 | 40x3 | 40x3 |
| Precision..... | mm ±0.12 | ±0.13 | ±0.16 | ±0.20 | ±0.30 | ±0.40 | ±0.40 |

Engineers rules



Limit. Of steel. With bevelled edge. Ground, Graduated in mm.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 2705 | -0202 | -0509 | -0608 | -0707 |
| Length..... | mm 500 | 1000 | 1500 | 2000 | 3000 |
| Widthxthickness..... | mm 40x5 | 40x5 | 40x5 | 40x5 | 40x5 |
| Pack..... | qty 5 | 1 | 1 | 1 | 1 |



Grad. bottom edge



Grad. top edge

Limit. Of steel. Ground faces. Tolerance according to DIN 866/II. Graduated in mm.

Graduated top edge

| | | | | | | |
|------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 2706 | -0102 | -0201 | -0300 | -0409 | -0508 |
| Length..... | mm 500 | 1000 | 1500 | 2000 | 3000 | 4000 |
| Widthxthickness..... | mm 25x5 | 30x6 | 30x6 | 40x8 | 40x8 | 40x8 |
| Pack..... | qty 5 | 1 | 1 | 1 | 1 | 1 |
| Dito calibrated | 2706 | - | -0250 | - | -0458 | - |

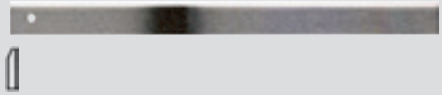
Graduated bottom edge

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 2706 | -1001 | -1100 | -1308 |
| Length..... | mm 500 | 1000 | 1500 | 2000 |
| Widthxthickness..... | mm 25x5 | 30x6 | 30x6 | 40x8 |

Steel rules

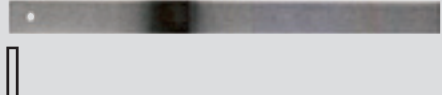
Limit. With one bevelled edge. Ground.

| Art. no..... | 2505 | -0204 | -0501 | -0600 | -0709 |
|------------------|------|-------|-------|-------|-------|
| Length | mm | 500 | 1000 | 1500 | 2000 |
| Widthxthick..... | mm | 40x5 | 40x5 | 40x5 | 40x5 |
| Pack..... | qty | 5 | 1 | 1 | 1 |



Limit. All faces bright. Flat faces ground - edges precision gauged. Rectangular section.

| Art. no..... | 2506 | -0104 | -0302 | -0500 | -0609 | (-0807) |
|--------------------|------|-------|-------|-------|-------|---------|
| Length | mm | 500 | 1000 | 1500 | 2000 | 3000 |
| Widthxthickness... | mm | 40x5 | 40x5 | 40x5 | 40x5 | 50x8 |
| Weight | kg | 0.7 | 1.4 | 3.8 | 8.0 | 12.0 |

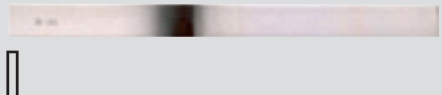


Limit. All faces bright. Flat faces ground - edges precision gauged. Tolerance according to DIN 874. DIN 874/2. Rectangular section. DIN 874/1. 500-2000 mm with rectangular section. 2500-4000 mm with I-section and hand grips.

Calibration certificate included.

| Art. no. DIN 874/2 | 2507 | -0103 | -0202 | -0301 | -0400 | (-0509) | (-0608) | (-0707) |
|--------------------------|------|-------|-------|-------|-------|---------|---------|---------|
| Length | mm | 500 | 1000 | 1500 | 2000 | 2500* | 3000* | 4000* |
| Widthxthickness | mm | 30x6 | 40x8 | 50x10 | 60x12 | 70x15 | 80x15 | 100x16 |
| Weight | kg | 1.3 | 2.5 | 5.8 | 11.4 | 14.3 | 17.1 | 22.8 |
| Ditto DIN 874/1 | 2507 | -1507 | -1606 | -1705 | -1804 | (-1903) | (-2000) | (-2109) |
| Widthxthickness | mm | 40x8 | 50x10 | 60x12 | 70x15 | 80x15 | 100x16 | 120x20 |
| Weight | kg | 1.3 | 4.0 | 8.4 | 12.0 | 17.0 | 28.0 | 35.0 |

*Length 2500-4000 according to DIN 874/1 has I-section.



Limit. Suitable for checking flatness. Tempered special steel. Smooth ground faces and polished edge. Insulation to counteract heat from hand. The measurement edge has a 30° angle and is black for better contrast. Tolerance according to DIN 874/00. Supplied in a wooden box.

| Art. no..... | 5209 | -0107 | -0206 | -0305 | -0404 |
|-------------------------|------|-------|-------|-------|-------|
| Length | mm | 75 | 100 | 200 | 300 |
| Width x thickness | mm | 22x6 | 22x6 | 22x6 | 30x7 |
| Weight | g | 40 | 60 | 120 | 750 |



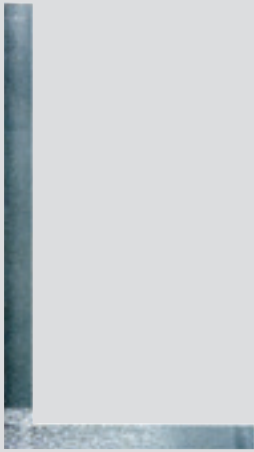
Workshop squares

Sliding bevels

Limit. Of steel. Ground and polished. The blade folds into the leg. With wing nut.

| Art. no..... | 2544 | -1007 | -1106 | -1205 | -1304 |
|-------------------------|------|-------|-------|-------|-------|
| Leg length | mm | 200 | 300 | 400 | 500 |
| Leg cross-section | mm | 25x5 | 25x5 | 30x5 | 30x5 |



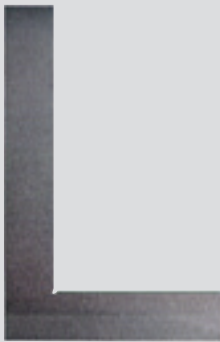


Workshop squares

Flat squares

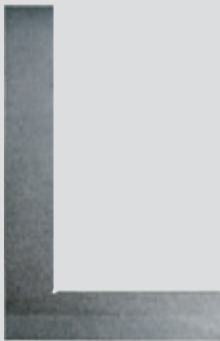
Limit. Of steel. With equally thick legs. All faces machined. For workshops and forge shops, etc.

| Long leg mm | Short leg mm | Width x thickness mm | Art. no. |
|-------------|--------------|----------------------|--------------|
| | | | 2538 |
| 800 | 375 | 30x5 | -0957 |
| 1000 | 500 | 30x5 | -1005 |
| 1500 | 750 | 30x5 | -1104 |
| 2000 | 1000 | 30x5 | -1203 |



Limit. Zinc plated steel With uniformly thick legs. All faces machined. 3rd quality.

| Long leg mm | Short leg mm | Width x thickness mm | Right-angled $\pm\mu\text{m}$ | Art. no. | Pack. qty |
|-------------|--------------|----------------------|-------------------------------|--------------|-----------|
| | | | | 12047 | |
| 150 | 100 | 25x5 | 55 | -0109 | 20 |
| 200 | 130 | 25x5 | 60 | -0208 | 12 |
| 300 | 175 | 25x5 | 70 | -0307 | 12 |
| 400 | 230 | 25x5 | 80 | -0406 | 8 |
| 500 | 250 | 25x5 | 90 | -0505 | 1 |
| 600 | 300 | 25x5 | 100 | -0604 | 1 |



Limit. With equally thick legs. Of steel. All faces ground and polished.

| Long leg mm | Short leg mm | Width x thickness mm | DIN 875/2 Art. no. |
|-------------|--------------|----------------------|--------------------|
| | | | 2533 |
| 75 | 50 | 15x4 | -1505 |
| 100 | 70 | 20x5 | -1604 |
| 150 | 100 | 25x6 | -1703 |
| 200 | 130 | 30x7 | -1802 |
| 300 | 200 | 40x8 | -1901 |
| 400 | 265 | 45x10 | -2008 |

Base squares

Limit. Zinc plated steel Legs with a uniform thickness and horizontal underside. All faces machined. 3-quality.

| Long leg mm | Short leg mm | Width x thickness mm | Base width mm | Right-angled $\pm\mu\text{m}$ | Art. no. | Pack. qty |
|-------------|--------------|----------------------|---------------|-------------------------------|--------------|-----------|
| | | | | | 12048 | |
| 150 | 100 | 25x5 | 22 | 55 | -0108 | 10 |
| 200 | 130 | 25x5 | 22 | 60 | -0207 | 6 |
| 300 | 175 | 25x5 | 22 | 70 | -0306 | 6 |
| 400 | 230 | 25x5 | 22 | 80 | -0405 | 4 |
| 500 | 250 | 25x5 | 22 | 90 | -0504 | 1 |
| 600 | 300 | 25x5 | 22 | 100 | -0603 | 1 |



Workshop squares

Base squares

Limit. Of steel. Precision design. All faces ground. Manufactured according to tolerance DIN 875/2.

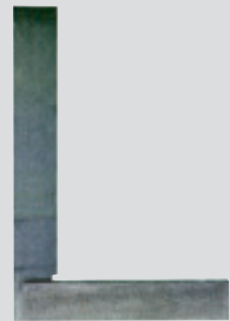
| Long leg. mm | Short leg. mm | Width x thickness mm | Base width mm | DIN 875/2 Art. no. 2534 | Calibrated Art. no. 2534 |
|--------------|---------------|----------------------|---------------|-------------------------|--------------------------|
| 100 | 70 | 20x5 | 20 | -2007 | - |
| 200 | 130 | 30x7 | 30 | -2106 | -1553 |
| 300 | 200 | 40x8 | 40 | -2205 | -1652 |
| 400 | 265 | 40x10 | 45 | -2304 | - |



Engineer's square

Limit. Made of tool steel. All sides precision machined. DIN 875/2.

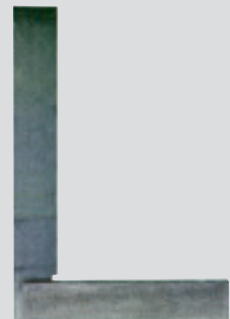
| | | | | | |
|-------------------------------|--------------|---------------------------------|--------------|--------------|--------------|
| Art. no. | 16246 | -0109 | -0208 | -0307 | -0406 |
| Long leg | mm | 75 | 100 | 150 | 200 |
| Long shank diam. | mm | 20x1.5 | 20x1.5 | 25x1.5 | 25x1.5 |
| Short leg | mm | 50 | 70 | 100 | 130 |
| Short shank diam. | mm | 20x9 | 20x9 | 25x11 | 25x12.5 |
| Art. no. | 16246 | -0505 | -0604 | -0703 | -0802 |
| Long leg | mm | 260 | 300 | 400 | 500 |
| Long shank diam. | mm | 30x2 | 30x2 | 38x25 | 50x2 |
| Short leg | mm | 160 | 175 | 250 | 265 |
| Short shank diam. | mm | 30x17.5 | 30x19 | 38x19 | 50x21 |
| Set of 4 squares | 16246 | -0901 | | | |
| Sizes | mm | 75x50, 100x70, 150x100, 200x130 | | | |

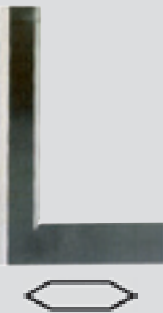


Set

Limit. Made of tool steel. All sides precision machined. DIN 875/1.

| | | | | | |
|------------------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 16246 | -2006 | -2105 | -2204 | -2303 |
| Long leg | mm | 75 | 100 | 150 | 200 |
| Long shank diam. | mm | 14x3 | 16x3 | 22x3 | 24x3 |
| Short leg | mm | 50 | 70 | 100 | 130 |
| Short shank diam. | mm | 14x10 | 16x10 | 22x12 | 24x14 |
| Art. no. | 16246 | -2402 | -2501 | -2600 | |
| Long leg | mm | 250 | 300 | 400 | |
| Long shank diam. | mm | 28x3 | 30x3 | 34x3 | |
| Short leg | mm | 165 | 200 | 265 | |
| Short shank diam. | mm | 28x16 | 30x18 | 34x20 | |





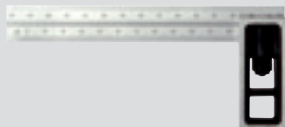
Workshop squares

Sharp edge squares

Limit. Of hardened steel. Smooth ground faces and polished edge. Equally thick legs. Tolerance according to DIN 875/00.

| Long leg mm | Short leg mm | Width x thickness mm | DIN 875/00 Art. no. 5217 |
|-------------|--------------|----------------------|--------------------------|
| 50 | 40 | 13.5×4 | -1006 |
| 75 | 50 | 15×4 | -1105 |
| 100 | 70 | 20×5 | -1204 |
| 150 | 100 | 25×6 | -1303 |
| 200 | 130 | 30×7 | -1402 |

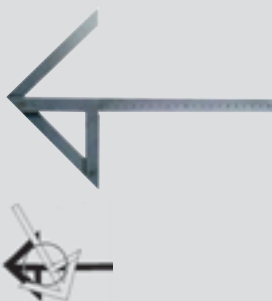
Adjustable squares



Limit. Adjustable stop along a graduated steel rule Tolerance according to DIN 875/2.

| | | | |
|-------------------------------|-------|-------|-------|
| Art. no. | 15125 | -0107 | -0206 |
| Steel rule, length | mm | 100 | 150 |
| Adjustable stop, length | mm | 70 | 100 |

Centre square



Limit. Of steel. Intended for round workpieces, but can also be used as stock or T-squares.

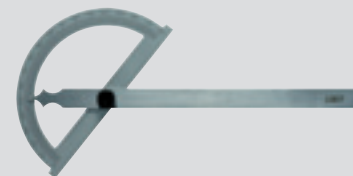
| | | |
|--------------------|------|-------|
| Art. no. | 2542 | -0209 |
| Blade length | mm | 200 |
| Stock length | mm | 150 |

Protractors



Limit. Of sheet metal. The disc is graduated from 0-180° in both directions. Supplied with circular or rectangular disc. With locking nut.

| | | |
|---------------------|------|----------|
| Art. no. | 2549 | -0103 |
| Disc shape | mm | Circular |
| Disc diameter | mm | 85 |
| Leg length | mm | 150 |



Limit. Of steel. Disc graduated from 0-180°. Matt chromium-plated. With locking screw.

| | | | | | |
|---------------------|------|-------|-------|-------|-------|
| Art. no. | 2548 | -0104 | -0203 | -0302 | -0401 |
| Disc diameter | mm | 80 | 120 | 150 | 200 |
| Leg length | mm | 120 | 150 | 200 | 300 |

Protractors

Limit. Precision design. Of steel. Graduated from 10-170°. The leg slides and can be locked in the required position along the full blade.

| | | | | |
|--------------------|------|-------|-------|-------|
| Art. no. | 2550 | -0109 | -0208 | -0406 |
| Disc diameter..... | mm | 150 | 200 | 300 |
| Leg length | mm | 300 | 400 | 600 |



Universal protractors

Limit. Of stainless steel. Protractor has the entire circumference graduated 0-90° in both directions and can be set at the required angle against the stop. Provided with magnifying glass for simple reading. With vernier for reading 1/12° = 5 minutes. The sliding blades can be locked with locking nuts. Supplied with two replaceable blades.

| | | |
|--------------------|-------|-------------|
| Art. no. | 12258 | -0103 |
| Blade length | mm | 150 and 300 |

Limit. Precision design. Dial with a rotating scale for approximate readings and a pointer for accurate readings gives simple and reliable results. Sliding rule and angle stop included. Can be used through 360 degrees.

| | | |
|--------------------------|---------|---------------------|
| Art. no. | 11919 | -0106 |
| Rotating scale | degrees | 10-20-30-40-50 etc. |
| One pointer turn = | degrees | 10 |
| Pitch | min | 5 |
| Rule length | mm | 300 |
| Angle stop | mm | 65 |



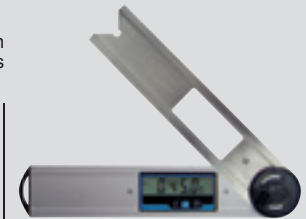
Limit. Digital angle gauge. Manufactured of stainless steel. Reading alternatives 0-360°, 0-180° or 0-90°. Can be reset in all positions. Freezing of the measurement value. 2 rulers 150 and 300 mm. Setting angle 90°.

| | | |
|-----------------------|-------|-------------------------|
| Art. no. | 15127 | -0105 |
| Reading | | 0-360°, 0-180° or 0-90° |
| Resolution | | 0,1° |
| Precision | | ±0,2° |
| Length of rules | mm | 150 and 300 |



Limit. Digital protractor. Level vial on topside. Display with large figures. The display can be 0-set in any position and switch to absolute value. Hold function button. The arm is lockable by locking screw which are moveable between different positions.

| | | |
|-------------------------|-------|--------|
| Art. no. | 16658 | -0100 |
| Reading | | 0-360° |
| Scale value | | 0.1° |
| Accuracy | | ±0.25° |
| Leg length | mm | 250 |
| Height of figures | mm | 13 |



Combined squares

Limit. With protractor, angle stop and centre head. All parts slide on the graduated rule. Vial on the protractor and angle stop. The rule is graduated in millimetre and imperial measures.

| | | |
|---|---------|-------|
| Art. no. | 11918 | -0107 |
| Protractor | degrees | 0-180 |
| Rule length | mm | 300 |
| Angle stop length | mm | 110 |
| Centre head length | mm | 63 |
| Extra rule 300 mm | 11918 | -0156 |
| Extra rule 600 mm | 11918 | -0206 |
| Spare part set (screw/spring/nut) | 11918 | -0305 |



Limit. Combination square with all faces machined. Manufactured of stainless steel. Protractor with vernier scale and magnifying glass for clear reading. Angle head with 90°, 45° and centre angle. The ruler is graduated in metric and imperial on both sides.

| | | |
|--------------------------|-------|-------|
| Art. no. | 15126 | -0106 |
| Protractor | | 360° |
| Steel rule, length | mm | 300 |
| 90° angle, length | mm | 100 |
| Protractor, length | mm | 180 |



V blocks



Limit. Of stress-free cast iron. Precision machined in pairs. Parallelism of base and V-groove, max 0.03 mm. V-groove angle 90°.

| Art. no. | 2502 | -0108 | -0207 | -0405 | -0603 |
|----------------------|------|-------|-------|-------|-------|
| Width | mm | 75 | 100 | 150 | 205 |
| Height | mm | 60 | 65 | 90 | 140 |
| Thickness | mm | 32 | 41 | 63 | 100 |
| V-groove width | mm | 44 | 50 | 82 | 100 |
| V-groove depth | mm | 23 | 28 | 39 | 56 |



Limit. Precision design. For clamping when drilling, milling, grinding or measuring. Manufactured in pairs of hardened and smooth ground steel. Supplied in sets, with 2 blocks and 2 clamps..

| Art. no. | 5252 | -0202 | -0301 | -0400 |
|---------------------------|------|----------|----------|----------|
| Clamping diam. max. | mm | 25 | 37 | 40 |
| Length×width×height | mm | 40×32×32 | 50×37×37 | 75×55×55 |

Engineers surface spates



Limit. Manufactured of close-grained and well-aged cast iron. Planed to tolerance according to DIN 876/3. For surface plate 800x500 there is a heavy duty, welded stand with adjuster screws and vibration damper.

| Art. no. | 2494 | -0504 | -0801 | (-1007) |
|---------------|------|-------|-------|---------|
| Length | mm | 400 | 600 | 800 |
| Width | mm | 300 | 400 | 500 |
| Weight | kg | 25 | 45 | 80 |
| Stand | 2495 | - | - | (-1204) |



Manufactured of close-grained and well-aged cast iron. Planed and ground to tolerance according to DIN 876/1. For surface plate 800x500 mm there is a heavy duty, welded stand with adjuster screws and vibration damper.

| Art. no. | 2495 | -0404 | -0602 | -0909 | (-1006) |
|---------------|------|-------|-------|-------|---------|
| Length | mm | 300 | 400 | 600 | 800 |
| Width | mm | 200 | 300 | 400 | 500 |
| Weight | kg | 10 | 20 | 45 | 80 |
| Stand | 2495 | - | - | - | (-1204) |

Gauge blocks

Limit. Manufactured of hardened, special steel. Ground and hand polished. Supplied in wooden case.

DIN 861/2. Suitable for checking and setting dial indicators and workshop gauges etc.

DIN 861/1. Suitable for checking gauges and measuring instruments, and inspection work in instrument departments.

Only sold in complete sets.

| | | | |
|--------------------------|-------------|---------------|----------------|
| Total number of blocks | ea. | 47 | 87 |
| Measuring range | mm | 1.005 | 1.001-1.009 |
| Number of blocks (range) | unit | 1 (0.005 mm) | 9 (0.001 mm) |
| Measuring range | mm | 1.01-1.20 | 1.01-1.49 |
| Number of blocks (range) | unit | 20 (0.01 mm) | 49 (0.01 mm) |
| Measuring range | mm | 1.30-1.90 | 0.50-9.50 |
| Number of blocks (range) | unit | 7 (0.10 mm) | 19 (0.50 mm) |
| Measuring range | mm | 1.00-9.00 | - |
| Number of blocks (range) | unit | 9 (1.00 mm) | - |
| Measuring range | mm | 10.00-100.00 | 10.00-100.00 |
| Number of blocks (range) | unit | 10 (10.00 mm) | 10 (10.00 mm) |
| DIN 861/2 | 5272 | -0109 | -0208 |
| DIN 861/1 | 5272 | -0307 | (-0406) |



Vinkelblock

Limit. Set of 12 angle blocks for measurement, inspection and setting of machines, tools or angle gauges. The block is precision ground and manufactured of hardened special steel. Semi-magnetic for easy application in combination with each other or against the work-piece. Angle accuracy ± 0.01 mm per 100 mm. Supplied in case.

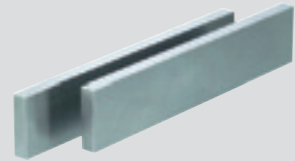
| | | |
|-----------------|--------------|---|
| Art. no. | 15323 | -0107 |
| Squares | | 1/4°, 1/2°, 1°, 2°, 3°, 4°, 5°, 10°, 15°, 20°, 25°, 30° |
| Block length | mm | 76 |



Parallel blocks

Limit. Set of 7 pairs. Ground in pairs. Hardened steel HRC 55-62. Parallelism tolerance. ± 0.005 mm.

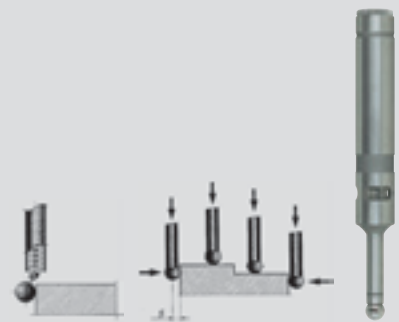
| | | | | |
|------------------|--------------|--|--|--|
| Art. no. | 15153 | -0102 | -0201 | -0300 |
| Length | mm | 95 | 120 | 200 |
| Clamping heights | mm | 10-38 | 10-40 | 15-45 |
| Dimensions | mm | 10x3, 12x3, 14x4, 18x5, 24x5, 30x8, 38x8 | 10x8, 15x8, 20x8, 25x8, 30x8, 35x8, 40x8 | 15x8, 20x8, 25x8, 30x8, 35x8, 40x8, 45x8 |



Electronic edge finder

Limit. Electronic edge detector. Simplifies the set-up process and positioning of the tool spindle in relation to the work piece or machine table on the milling machines and drilling machines. LED and audio signal indicate contact between the spindle and work piece. Precision manufactured measurement spindle with steel ball that springs laterally.

| | | |
|-----------------|--------------|---------------|
| Art. no. | 16711 | -0105 |
| Ball diameter | mm | 10.00 |
| Shank diameter | mm | 20 |
| Total length | mm | 157 |
| Precision | mm | ± 0.005 |
| Battery | | 2 x 1.5V LR01 |



Adjustment cube

Limit. Adjustment cube for positioning tools against workpieces or machine tables on milling and drilling machines. Indicator dial shows the spring plate pressure. At "0" the distance is 50 mm. Magnetic base for easy application both vertically and horizontally. Adjustment cube has an integrated calibration mechanism.

| | | |
|---------------------------|--------------|--------------|
| Art. no. | 15320 | -0100 |
| Height | mm | 50.00 |
| Plate travel | mm | 3 |
| Indicator dial graduation | mm | 0.01 |
| Width x length | mm | 50 x 50 |



Machine levels

Digital precision levels



Limit. Digital mini precision spirit level. Reading 0-90° alternative angle 0-100%. Can be reset in all positions. Freezing of the measurement value. Display automatically turns upside down when the underside passes 180°. With recessed magnet on the underside for the attachment e.g. of rulers and metal objects. Automatic switching off after 3 minutes in sleep mode. Battery 3 x 3V type CR 2032.

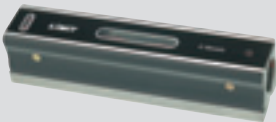
| | | |
|-----------------------|--------------|---------------|
| Art. no. | 15123 | -0109 |
| Dimensions | mm | 50x50x25 |
| Reading degrees | | 4x90° |
| Reading angle | | 0-100% |
| Resolution | mm | 0,1° |
| Precision | | ±0,3° |
| Batteries | | 3 x 3V CR2032 |



Limit. Digital precision spirit level. Reading 0-90° alternative angle 0-100%. Can be reset in all positions. Freezing of the measurement value. Display automatically turns upside down when the underside passes 180°. Display lighting. Automatic switching off after 3 minutes in sleep mode. Battery 3 x 3V type CR 2032, art. no 10960-0304.

| | | |
|-----------------------|--------------|---------------|
| Art. no. | 15124 | -0108 |
| Dimensions | mm | 150x50x33 |
| Reading degrees | | 4x90° |
| Reading angle | | 0-100% |
| Resolution | mm | 0,1° |
| Precision | | ±0,3° |
| Batteries | | 3 x 3V CR2032 |

Even levels



Limit. Precision level of cast iron. Adjustable, graduated longitudinal and transverse vials. Precision in accordance with DIN 877. V-groove in contact surface.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 0749 | -0055 | -0154 | -0204 | -0402 |
| Length | mm | 100 | 150 | 200 | 200 |
| Scale | mm | 0.05 | 0.05 | 0.10 | 0.02 |
| Widthxheight | mm | 35x30 | 44x40 | 46x46 | 46x46 |
| Noggrannhet | ±mm/m | 0.025 | 0.025 | 0.025 | 0.005 |

Frame levels



Limit. Precision level of cast iron. Adjustable, graduated longitudinal and transverse vials. Precision in accordance with DIN 877. V-groove in contact surface.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 0757 | -0039 | -0054 | -0104 | -0203 |
| Length | mm | 100 | 150 | 200 | 200 |
| Height | mm | 100 | 150 | 200 | 200 |
| Scale | mm/m | 0.05 | 0.05 | 0.10 | 0.02 |
| Noggrannhet | ±mm/m | 0.025 | 0.025 | 0.025 | 0.005 |



Scribes

Double ended



Limit. With one straight and one bent point. Hardened. Round, knurled holder. Separately packed in plastic case.

| | | | |
|-----------------------|-------------|--------------|------------------|
| Art. no. | 5253 | -0102 | -0201 |
| Type | | Steel point | Hard metal point |
| Length | mm | 240 | 240 |
| Diameter | mm | 4 | 4 |
| Pack | qty | 10 | 10 |

With clip



Limit. With hard metal point. Round, knurled handle. With clip.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 2475 | -0101 |
| Length | mm | 130 |
| Diameter | mm | 7 |
| Pack | qty | 10 |



Limit. With hard metal point. Hexagonal, smooth handle. With clip.

| | | |
|----------------------------|-------------|--------------|
| Art. no. | 2474 | -1001 |
| Length | mm | 150 |
| Diameter | mm | 6 |
| Ditto 10-pack | 2474 | -0201 |
| Pack | qty | 10* |

*) Only unopened pack.



Limit. Propelling pen with automatic locking. Point of hard metal. With clip.

| | | |
|---|-------------|--------------|
| Scriber | 2482 | -1001 |
| Length | mm | 150 |
| Extra hard point for 2482-0102 | 2482 | -0201 |
| Length x diameter | mm | 20x2 |
| Pack | qty | 10 |

With automatic punch marker



Limit. For both scribing and centre punching. Pressing the tip in the pen releases the mainspring for the centre punch. Tip of chrome vanadium steel. Rubber grip.

| | | |
|-------------------------|--------------|--------------|
| Scriber | 10230 | -0100 |
| Length | mm | 140 |
| Extra tips | 10230 | -0209 |
| Length x diameter | mm | 40x3 |

With handle



Limit. With hard metal tip. The blade is reversible and can be pushed into the holder. With plastic holder.

| | | |
|---|-------------|--------------|
| Scriber | 2485 | -0109 |
| Blade length, overall | mm | 100 |
| Diameter | mm | 7 |
| Pack | qty | 5 |
| Extra hard metal blade, art. no. | 2485 | -0208 |

Surface gauges



Limit. Round base. Holder for lifting and lowering scriber. With one straight and one bent steel point.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 5238 | -0102 |
| Spindle height | mm | 300 |

With fine adjustment



Limit. Heavy duty base with V-groove in bottom. The base has two through guide pins. The spindle is mounted in a rocker arm, with screw for fine adjusting. With one straight and one bent steel point.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 5243 | -0105 |
| Spindle height | mm | 300 |

Marking gauges

Marking gauge

Limit. Made of steel. Scale graduated in millimetres. Enamelled. Supplied complete with lead-pencil.



| | | |
|----------------------------|-------------|--------------|
| Art. no. | 2396 | -0107 |
| Length of graduation | mm | 90 |

Limit. For scribing with scriber to edge. Graduated scale. Hardened scribing edge.

| | | | |
|-------------------------|-------------|--------------|--------------|
| Art. no. | 2379 | -0108 | -0207 |
| Adjustable length | mm | 0-200 | 0-300 |
| Width | mm | 40 | 40 |



Marking gauges

For metal



Limit. Of stainless steel. Measuring rod and slide as sliding calliper. Roller housed in ball bearings as stock when scribing to edge of workpiece. Graduated in mm with vernier scale $\frac{1}{10}$ mm of 39 mm length. Replaceable hardened scriber. Supplied in plastic case.

| | | | |
|----------------------------|-------------|--------------|--|
| Art. no. | 9717 | -0104 | |
| Measurement length | mm | 200 | |
| Scriber diam. | mm | 2.0 | |
| Scriber length | mm | 32 | |
| Extra scriber | 9717 | -0203 | |
| Size | mm | Ø 2.0x32 | |



Limit. 100% steel. Round rod with guide, graduated in mm and with vernier for $\frac{1}{10}$ mm. With fine adjustment and hardened replaceable tips.

| | | | |
|----------------------------|-------------|--------------|--------------|
| Art. no. | 2413 | -0106 | -0205 |
| Bar length | mm | 200 | 300 |
| Extra scriber | 2413 | -0304 | -0304 |
| Size | mm | Ø 5.0x56 | Ø 5.0x56 |

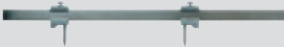


Combined dividers and sliding calipers

Limit. Of steel. Precision design. With hardened and ground points. Graduated in mm with $\frac{1}{10}$ mm vernier.

| | | |
|------------------------|-------------|--------------|
| Art. no. | 2436 | -0208 |
| Length | mm | 200 |
| Length of points | mm | 45 |

Bar calipers



Limit. Rod of rectangular section steel. Graduated in mm with vernier for $\frac{1}{20}$ mm.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 2420 | -0107 | -0206 | -0305 | -0404 |
| Length | mm | 500 | 1000 | 1500 | 2000 |
| For max diam. | mm | 1000 | 2000 | 3000 | 4000 |

Compasses

For pencils



Limit. Wing divider. Of steel. Rectangular shanks. With side-mounted arc and holder for pencil. Supplied without pencil.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 2428 | -0109 | -0208 |
| Length | mm | 175 | 300 |
| Max grip width | mm | 190 | 350 |
| Pack. | qty | 10 | 1 |

Dividers



Limit. Of steel. Rectangular shanks. With hardened points.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 2432 | -0400 | -0707 |
| Length | mm | 200 | 300 |
| Max grip width | mm | 380 | 580 |

Compasses

Wing dividers

Limit. Of steel. Rectangular shanks. With hardened points. Side-mounted arc. Length 400-600 mm. With round shanks.

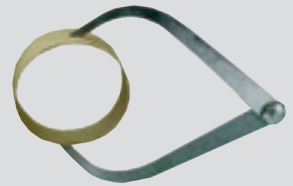
| | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 2429 | -0207 | -0405 | -0702 | -0801 | -1007 |
| Length | mm | 150 | 200 | 300 | 400 | 500 |
| Max grip width | mm | 170 | 235 | 390 | 545 | 670 |
| Pack | qty | 1 | 10 | 1 | 1 | 1 |



Calipers

With flat shanks and adjusting nut.

| | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|
| Art. no. | 2439 | -0502 | -0700 | -1005 | -1104 |
| Length | | 200 | 300 | 500 | 800 |
| Max. size | mm | 300 | 500 | 850 | 1250 |



Spring dividers and calipers

Limit. Outside calipers. With flat shanks and hardened points. Fitted with adjusting nut.

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 2443 | -0407 | -0506 | -0704 |
| Length | mm | 150 | 200 | 300 |
| Max. size | mm | 125 | 170 | 250 |



Limit. Dividers. With flat shanks and hardened points. Fitted with adjusting nut.

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 2444 | -0406 | -0505 | -0703 |
| Length | mm | 150 | 200 | 300 |
| Max. size | mm | 150 | 190 | 275 |



Limit. Inside calipers. With flat shanks and hardened points. Fitted with adjusting nut.

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 2445 | -0405 | -0504 | -0702 |
| Length | mm | 150 | 200 | 300 |
| Max. size | mm | 150 | 180 | 260 |



Number punches



5

Limit. No 1733. For iron and metal. Nine stamps. For stamping in materials with a tensile strength of up to 150 kp/mm². Hardened on the engraving side in accordance with HRC 60-63. In plastic boxes.

No 5175. For hard steel. Nine stamps. Fully ground. For stamping in materials with a tensile strength of up to 200 kp/mm². Hardened on the engraving side in accordance with HRC 60-61. In plastic boxes.

Spare numbers.

Minimum sorted number 5.

| Number height mm | No 1733 | | No 5175 | |
|---------------------|-------------|-----------------|-------------|-----------------|
| | Art. no. | Shank square mm | Art. no. | Shank square mm |
| | 1733 | | 5175 | |
| 2 | -0101 | 6 | -0107 | 7 |
| 3 | -0200 | 6 | -0206 | 8 |
| 4 | -0309 | 7 | -0305 | 9 |
| 5 | -0408 | 8 | -0404 | 10 |
| 6 | -0507 | 9 | -0503 | 12 |
| 8 | -0606 | 11 | -0602 | 14 |
| 10 | -0705 | 12 | -0701 | 16 |
| 12 | -0804 | 14 | - | - |
| 15 | -0903 | 16 | - | - |

Letter punches

Alphabetical punches



F

Limit. No 1735. For iron and metal. Letters A-Z. For stamping in materials with a tensile strength of up to 150 kp/mm². Hardened on the engraving side in accordance with HRC 60-63. In plastic boxes.

No 5176. For hard steel. A-Z and & characters. Fully ground. For stamping in materials with a tensile strength of up to 200 kp/mm². Hardened on the engraving side in accordance with HRC 60-61. In plastic boxes.

Spare letters.

Minimum sorted number 5.

| Letter height mm | No 1735 | | No 5176 | |
|---------------------|-------------|-----------------|-------------|-----------------|
| | Art. no. | Shank square mm | Art. no. | Shank square mm |
| | 1735 | | 5176 | |
| 2 | -0109 | 6 | -0106 | 7 |
| 3 | -0208 | 6 | -0205 | 8 |
| 4 | -0307 | 7 | -0304 | 9 |
| 5 | -0406 | 8 | -0403 | 10 |
| 6 | -0505 | 9 | -0502 | 12 |
| 8 | -0604 | 11 | -0601 | 14 |
| 10 | -0703 | 12 | -0700 | 16 |
| 12 | -0802 | 14 | - | - |
| 15 | -0901 | 16 | - | - |

Stamp sets



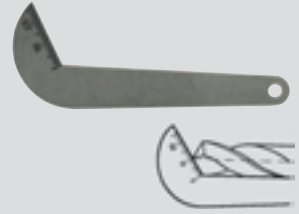
Limit. Complete sets in steel with holder and interchangeable types. The types are hardened for stamping in hard materials. Types hardened to HRC 37. The width of the holders permits insertion of 6-10 types at the same time. Supplied complete with 100 type – 58 letters, 35 digits and special characters, plus a number of blank types for spacing. Key and pinners also included. In wooden case.

Spare letters and digits.

Minimum sorted number 5.

| | | | | |
|-------------------------------------|------|-------|-------|-------|
| Art. no. | 5889 | -0104 | -0203 | -0302 |
| Type height | mm | 3 | 4 | 5 |
| Total number of types | | 100 | 100 | 100 |
| Number of types held in holder..... | | 10 | 8 | 6 |
| Text length | mm | 40 | 40 | 40 |

Grinding gauge



Limit. Used for grinding twist drills. Graduated up to 25 mm.

| | | |
|------------------------|------|-------|
| Art. no. | 2565 | -0102 |
| For drills up to | mm | 50 |
| Nose angle | | 118° |

Welding gauges



Limit. With 12 blades for measuring the height of plane welding joints. Bright.

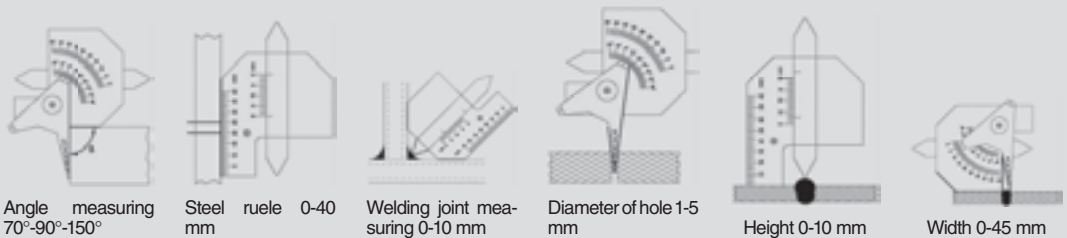
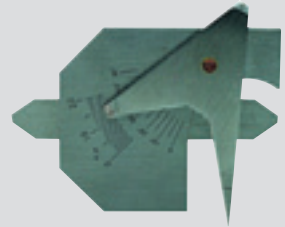
| | | |
|-----------------------|------|-------|
| Art. no. | 7403 | -1006 |
| Measuring range | mm | 3-12 |



No 9754

Limit. Measures welding joints in corners, and height of welding joints on plane welds. Height gauge/thickness of material. Angle measuring. Gap between plates. Manufactured of stainless steel. Supplied in leather case.

| | | |
|---------------------|---------|--------|
| Art. no. | 9754 | -0108 |
| Welding gauge | mm | 0-20 |
| Height gauge | mm | 0-40 |
| Angles | degrees | 0°-60° |
| Gap | mm | 0-4 |



Angle measuring
70°-90°-150°

Steel rule 0-40
mm

Welding joint mea-
suring 0-10 mm

Diameter of hole 1-5
mm

Height 0-10 mm

Width 0-45 mm

Limit. For measuring of welding joints in corner. Heights of welding joints. Height gauge. Material thickness. Angle measuring. Distance between plates. Hole diameter. Supplied in plastic wallet.

| | | |
|--------------------------|------|--------------|
| Art. no. | 9754 | -1007 |
| Limit | | Combi |
| Welding joint | mm | 0-10 |
| Height measurement | mm | 0-10 |
| Length | mm | 45 |
| Angle | | 70°-90°-150° |
| Hole diameter | mm | 1-5 |

Scribing and marking

Welding gauges



Limit. For measuring the height of plane weld joints, and the height in corners. Of steel. Graduated in mm and with $\frac{1}{10}$ mm vernier. Apexes 60°-70°-80°-90°.

| | | |
|----------------------------|-------------|--------------|
| Art. no. | 2569 | -0108 |
| Length of graduation | mm | 20 |

Thread gauges



Limit. Hardened. For Whitworth or metric thread system, and for checking of turning centres.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 2575 | -1009 | -1108 |
| Thread gauge..... | | 55° | 60° |
| Thread system..... | | W | M+UN |



Limit. Universal. For V-threads, square and acme threads.

| | | |
|---|-------------|---------------------------|
| Art. no. | 2577 | -1007 |
| Thread gauges (V-threads)..... | | 55° and 60° |
| For number of threads (square threads)..... | per inch | 2 2.5 3 3.5 4 4.5 5 6 7 8 |
| For pitches (acme thread 30°)..... | mm | 2 3 4 5 6 7 8 9 10 12 |



Screw pitch gauges

Limit. Hardened. With folding blades. For internal and external measurements.

| | | | | | | |
|-------------------------|-------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 2580 | -1002 | -1101 | -1200 | -1309 | -1408 |
| Thread system..... | | W | M | M/UNC | UNC-UNF | T-pipe (R) |
| Thread gauge..... | | 55° | 60° | 60° | 60° | 55° |
| No. of blades..... | ea. | 28 | 24 | 55 | 30 | 6 |
| For no. of threads..... | per inch | 4-62 | - | 4-42 | 4-42 | 8-28 |
| For pitches..... | mm | - | 0.25-6 | 0.25-6 | - | - |



Radius gauges

Limit. With folding blades for measuring radii on concave and convex surfaces.

| | | | | |
|-----------------------|-------------|--------------------------|--------------|----------------------------|
| Art. no. | 2584 | -1008 | -1107 | -1206 |
| For radii..... | mm | 1-7 | 7.5-15 | 15.5-25 |
| No. of blades..... | ea. | 17+17 | 16+16 | 15+15 |
| Intervals..... | mm | (1-3)=0.25 (3-17)=0.5 | 0.5 | (15.5-20)=0.5 (20-25)=1 |

Angle gauges



Limit. With folding blades of steel. The blade ends are bevelled at various angles.

| | | |
|--------------------------|-------------|--|
| Art. no. | 2586 | -1006 |
| No. of blades..... | ea. | 18 |
| For angles, degrees..... | | 1 2 3 4 5 7 8 9 10 12 14 16 18 20 25 30 40 45 |

Hole size gauges

Limit. For measuring and checking nozzles and small holes.

| | | | |
|-----------------------|-------------|--------------|--------------|
| Art. no. | 2639 | -0104 | -0203 |
| For diameter | mm | 0.45-1.5 | 1.5-3 |
| Number of pins | unit | 20 | 16 |



Limit. For measuring and inspection of hole diameters or slot widths. Stainless steel with matt chromium-plated scale.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 1441 | -1003 |
| Measuring range | mm | 1-15 |
| Graduation | mm | 0.1 |
| Scale length | mm | 120 |
| Thickness | mm | 1.2 |
| Pack | qty | 20 |



Limit. Taper of measuring needle 1:10. Direct reading 0.1 mm and vernier reading 0.01 mm. The needle is precision hardened and ground. With protective sleeve. Nickel-plated.

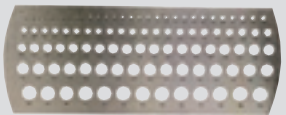
| | | |
|-----------------------|-------------|--------------|
| Art. no. | 2641 | -0209 |
| Orig. no. | mm | 2 |
| For diameter | | 0-5 |



Drill and wire gauge

Limit. For drill and wire diameters with mm dimensions.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 2590 | -0309 |
| Hole diameter | mm | 0.1-10 |
| Intervals | mm | 0.1 |
| No. of holes | ea. | 100 |
| Thickness | mm | 2 |



Surface roughness blocks

Limit. For comparative determination of surface smoothness or scraping with finger tip. For machine operators, inspectors and designers etc. 6 different methods and 6 Ra values each. Manufactured of stainless steel alloy. Scratch resistant.

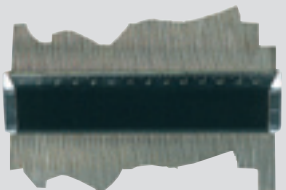
| | | |
|--------------------------|-------------|---------------------------|
| Art. no. | 5370 | -0100 |
| Polishing | | |
| Broaching | | |
| Surface grinding | Ra | 1.6 0.8 0.4 0.2 0.1 0.005 |
| Horizontal milling | | |
| End face milling | | |
| Straight-turning | Ra | 12.5 6.3 3.2 1.6 0.8 0.4 |



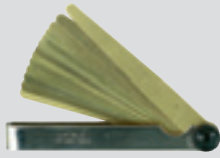
Profile patterns

Limit. For impression of required profile, where curved and irregular lines are to be formed. For carpet and floor laying, manufacturing of shelves and benches, and turning etc. Round gauges of stainless steel.

| | | | |
|-------------------------|-------------|--------------|--------------|
| Art. no. | 9739 | -0108 | -0207 |
| Length | mm | 150 | 300 |
| Max profile depth | mm | 48 | 105 |
| Pack | qty | 6 | 4 |



Feeler gauges

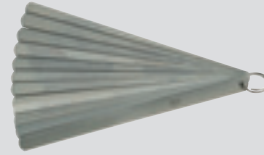


Limit. With blades of **brass** in mm dimensions. Nickel-plated, lockable holder and tapered blades.

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 6792 | -1007 | -1106 | -1205 |
| No. of blades | unit | 8 | 13 | 20 |
| Measuring range | mm | 0.05-0.50 | 0.05-1.00 | 0.05-1.00 |
| Blade length..... | mm | 100 | 100 | 100 |



100 mm



200 mm

Limit. With blades in mm dimensions. For measuring slots and bearing play, etc. With nickel-plated, lockable holder, tapered blades.

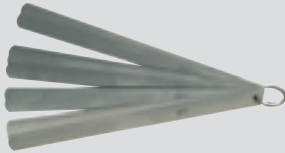
| | | | | | | | |
|----------------------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Blade length 100 mm | 2595 | -3001 | -3100 | -3209 | -3308 | -3407 | -0601 |
| Range of measuring | mm | 0.03-0.10 | 0.05-0.50 | 0.10-0.50 | 0.05-1.00 | 0.05-1.00 | 0.10-2.00 |
| No. of blades | | 8 | 8 | 21 | 13 | 20 | 20 |
| Pack..... | qty | 1 | 1 | 1 | 1 | 1 | 5 |
| Blade length 200 mm | 2595 | - | - | - | -3506 | -3605 | -1104 |
| Range of measuring | mm | - | - | - | 0.05-1.00 | 0.05-1.00 | 0.10-2.00 |
| No. of blades | | - | - | - | 13 | 20 | 20 |
| Pack..... | qty | - | - | - | 1 | 1 | 5 |



Calibrated

Limit. Calibrated. Tolerance according to DIN 2275. Certificate included. Calibrated at two measuring points per blade. Blades in mm dimensions. For measuring slots and bearing play, etc. With nickel-plated, lockable holder.

| | | | | |
|-----------------------|-------------|--------------|--------------|--------------|
| Art. no. | 2595 | -2003 | -2102 | -2201 |
| No. of blades | unit | 8 | 13 | 20 |
| Measuring range | mm | 0.03-0.10 | 0.05-1.00 | 0.05-1.00 |
| Blade length..... | mm | 100 | 100 | 100 |



Limit. With blades in mm dimensions. Held in key ring. Cylindrical blades.

| | | |
|-----------------------|-------------|--------------|
| Art. no. | 2597 | -1003 |
| Orig. no. | | 133 |
| No. of blades | ea. | 13 |
| Measuring range | mm | 0.05-1.00 |
| Blade width | mm | 12.7 |
| Blade length | mm | 300 |

Feeler strips

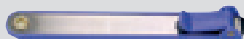


Limit. Cold-rolled, hardened and polished bright. With rounded edges. Etched dimensions every 150 mm. Supplied in plastic boxes (thicknesses over 0.60 mm in metal boxes). Length per box, 3 m. Width 13 mm. (Other widths on request.)

| | | | | | | | | | |
|-----------------------|-------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Art. no. | 2599 | -0052 | -0102 | -0201 | -0300 | -0409 | -0508 | -0607 | -0706 |
| Blade thickness | mm | 0.01 | 0.02 | 0.03 | 0.04 | 0.05 | 0.06 | 0.07 | 0.08 |
| Tolerance | mm | ±0.004 | ±0.004 | ±0.004 | ±0.004 | ±0.004 | ±0.004 | ±0.004 | ±0.004 |
| Art. no. | 2599 | -0805 | -0904 | -1308 | -1506 | -1605 | -1704 | -1902 | -2009 |
| Blade thickness | mm | 0.09 | 0.10 | 0.15 | 0.20 | 0.25 | 0.30 | 0.35 | 0.40 |
| Tolerance | mm | ±0.004 | ±0.005 | ±0.005 | ±0.007 | ±0.008 | ±0.009 | ±0.009 | ±0.010 |
| Art. no. | 2599 | -2108 | -2207 | -2405 | -2504 | -2702 | -2801 | -2900 | |
| Blade thickness | mm | 0.45 | 0.50 | 0.60 | 0.70 | 0.80 | 0.90 | 1.00 | |
| Tolerance | mm | ±0.010 | ±0.013 | ±0.015 | ±0.015 | ±0.017 | ±0.017 | ±0.017 | |

Feeler strip holder

Limit. For feeling strips 2599.



| | | |
|-----------------------|-------------|--------------|
| Art. no. | 2600 | -0109 |
| Length..... | mm | 135 |
| Width..... | mm | 13 |



Test Instruments

To the point





Large digits
Easy to read
in every occasion.

Display
Shows correct test leads
terminals and rotary switch
position. Easy to operate and
avoid mistakes.

Rubber holster
Protect instrument against
shocks and gives the
instruments extra long life.

Hands free
The bench stands on rear side.
Practical when you need to
have both hands free.

Operating manual
Made practical pocket size and
printed in your language.

Multimeters



Limit. Digital multimeter in pocketsize with autorange. Measuring DC/AC voltage, resistance, frequency and capacitance. Also diodtest, continuity with buzzer, datahold, relative mode, low battery capacity warning and auto off after 15 minutes. Supplied complete with testleads, battery, cover and manual. Max display 3999. Safety isolation CAT II 300 V, IEC 61010.

| | | |
|-----------------------|--------------|-------------------------|
| Art. no. | 14488 | -0101 |
| Limit | No | 200 |
| DC Voltage | | 400 mV-4-40-300 V |
| Resolution | | 0.1 mV |
| Accuracy | | ±0.8% + 1 digit |
| AC Voltage | | 4-40-300 V |
| Resolution | | 1 mV |
| Accuracy | | ±1.2% + 3 digits |
| Resistance | | 400 Ω-4-40 KΩ-4-40 MΩ |
| Reclution | | 0.1 Ω |
| Accuracy | | ±1% + 2 digits |
| Capacitance | | 4-40-400 nF-4-40-200 μF |
| Resolution | | 0.001 nF |
| Accuracy | | 4% + 3 digits |
| Frequency | | 10 Hz-100 KHz |
| Resolution | | 0.01 Hz |
| Accuracy | | ±0.5% + 3 digits |
| Duty cycle | | 0.1 - 99.9% |
| Battery | | 1pc 3V (CR2032) |
| Dimension | mm | 108x58x12 |
| Weight | g | 62 |

Limit



Limit. Digital multimeter palmsize and display backlight. Measuring DC/AC voltage, DC current, resistance, temperature. Also diodetest, continuity test with buzzer, datahold, low battery capacity warning.

Suplied completely with test leads, temperature probe, battery and English manual. Rubber cover and bench stand. Max. display 1999. Safety insulation CAT I 600 V / CAT II 300 V, IEC 61010. Fused to max. 200 mA.

| | | |
|--------------------------------|--------------|---------------------------|
| Art. no. | 12860 | -0103 |
| Limit | No | 300 |
| DC voltage | DCV | 200-2000 mV- 20-200-500 V |
| resolution | μV | 100 |
| accuracy | | ± 1.2% + 2 |
| AC voltage | ACV | 200-500 V |
| resolution | μV | 100 |
| accuracy | μV | ± 1.2% + 10 |
| DC current | DCA | 2000 μA-20-200mA-10A |
| resolution | μV | 0.1 |
| accuracy | μV | ± 1% + 2 |
| Resistance | | 200 Ω -2-20-200 KΩ-20 MΩ |
| resolution | Ω | 0.1 |
| accuracy | | ± 0.8% + 2 |
| Temperature | °C | -40 -+1000 |
| resolution | °C | 1 |
| accuracy | °C | ± 1% + 3 |
| Battery | | 1 pcs 9 V (6F22) |
| Dimension | mm | 130x74x35 |
| Weight | g | 156 |
| Extra test leads | 12860 | -0202 |
| Extra temp. probe | 12860 | -0301 |

Multimeters

Limit. Digital multimeter with large display, shows correct input for test lead and selected function. Measuring AC/DC voltage, DC/AC current, resistance, capacitance, frequency, temperature. Also diode test, transistor test, continuity test with buzzer, data hold, low battery capacity warning.

Supplied completely with leads, multi purpose socket, temperature probe type K and English manual. Rubber cover and bench stand.

Max. display 1999. Safety insulation CAT II 1000 V / CAT III 600 V, IEC 61010. Fused to max. 200 mA.



| | | |
|---------------------------------|--------------|-------------------------|
| Art. no. | 12859 | -0106 |
| Limit | No | 500 |
| DC voltage | DCV | 200 mV-2-200-200-1000 V |
| resolution | mV | 0.1 |
| accuracy | | ± 0.5% + 1 |
| AC voltage | ACV | 2-20-200-1000 V |
| resolution | mV | 1 |
| accuracy | µV | ± 0.8% + 3 |
| DC current | DCA | 2-200 mA-10 A |
| resolution | µA | 0.01 |
| accuracy | | ± 0.8% + 1 |
| AC current | ACA | 2-200 mA-10 A |
| resolution | µA | 1 |
| accuracy | | ± 1% + 3 |
| Resistance | | 200 Ω -2-20 KΩ-2-20 MΩ |
| resolution | Ω | 0.1 |
| accuracy | | ± 0.8% + 1 |
| Capacitance | | 2-200 nF-100µF |
| resolution | | 1 pF |
| accuracy | | ± 4% + 3 |
| Frequency | KHz | 2-20 |
| resolution | Hz | 1 |
| accuracy | | ± 1.5% + 5 |
| Temperature | °C | -40 -+1000 |
| resolution | °C | 1 |
| accuracy | | ± 1% + 3 |
| Automatic off after | min | 15 |
| Battery | | 1 pcs 9 V (6F22) |
| Dimensions | mm | 179x88x39 |
| Weight | g | 380 |
| Extra test leads | 12860 | -0202 |
| Extra temp. probe | 12860 | -0301 |
| Extra multi socket | 12859 | -0205 |

Limit. Digital multimeter for auto and engine mechanicals. Large display, shows beside measure value also correct input for test leads and selected function. Measuring DC/AC voltage, DC current, resistance, capacitance, Dwell and engine tach. Also diode test, continuity test with buzzer, data hold, low battery capacity warning.

Supplied completely with test leads and alligator clip, battery and English manual. Rubber cover and bench stand.

Max. display 1999. Safety insulation CAT II 1000 V / CAT III 600 V, IEC 61010. Fused to max. 10 A.



| | | |
|-------------------------------|--------------|------------------------|
| Art. no. | 12858 | -0107 |
| Limit | No | 500 Auto |
| DC voltage | DCV | 200 mV-2-20-200-1000 V |
| resolution | mV | 0.1 |
| accuracy | | ± 0.5% + 5 |
| AC voltage | V | 2-20-200-750 V |
| resolution | mV | 1 |
| accuracy | µV | ± 0.8% + 5 |
| DC current | DCA | 200 mA-10 A |
| resolution | mA | 0.01 |
| accuracy | | ± 0.8% + 5 |
| Resistance | | 200 Ω -2-20 KΩ-2-20 MΩ |
| resolution | Ω | 0.1 |
| accuracy | | ± 0.8% + 5 |
| Dwell: resolution | | 0.1° |
| accuracy | | ± 3% + 5 |
| Engine tach: resolution | rpm | 10 |
| accuracy | | ± 3% + 5 |
| Battery | | 1 pcs 9 V (6F22) |
| Dimension | mm | 179x88x39 |
| Weight | g | 380 |
| Extra test leads | 12860 | -0202 |

Multimeters



Limit. Digital multimeter with auto range and large display with backlight. Measuring DC/AC voltage, DC/AC current, resistance, capacitance, frequency, temperature. Also diode test, continuity test with buzzer, datahold, low battery capacity warning. Supplied completely with test leads, temperature probe and English manual. Rubber cover and bench stand. Max. display 3999. Safety insulation CAT III 1000 V / CAT IV 600 V, IEC 61010. Fused to max. 10 A.

| | | |
|--------------------------------|--------------|------------------------------|
| Art. no. | 12857 | -0108 |
| Limit | No | 600 |
| DC voltage | DCV | 400 mV-4-40-400-1000 V |
| resolution | mV | 0.1 |
| accuracy | | ± 0.8% + 1 |
| AC voltage | ACV | 4-40-400-750 V |
| resolution | mV | 1 |
| accuracy | µV | ± 1% + 5 |
| DC current | DCA | 400-4000 µA-40-400 mA-4-10 A |
| resolution | µA | 0.1 |
| accuracy | | ± 1% + 2 |
| AC current | ACA | 400-4000 µA-40-400 mA-4-10 A |
| resolution | µA | 0.1 |
| accuracy | | ± 1.5% + 5 |
| Resistance | Ω | 400 Ω-4-40 KΩ-4-40 MΩ |
| resolution | | 0.1 |
| accuracy | | ± 1% + 2 |
| Capacitance | | 40-400 nF-4-40-100µF |
| resolution | | 10 pF |
| accuracy | | ± 3% + 5 |
| Frequency | | 10 Hz-10 MHz |
| resolution | Hz | 1 |
| accuracy | | ± 0.1% + 3 |
| Temperature | °C | -40 -+1000 |
| resolution | °C | 1 |
| accuracy | | ± 1% + 3 |
| Automatic off after | min | 30 |
| Battery | | 1 pcs 9 V (6F22) |
| Dimension | mm | 177x85x40 |
| Weight | g | 300 |
| Extra test leads | 12860 | -0202 |
| Extra temp. probe | 12860 | -0301 |



Limit. Digital pen multimeter with auto range. Has integrated torch and integrated protected sleeve for the fixed measurement tip. Measures direct/alternating voltage, resistance and capacitance. In addition, diode test and continuity test med buzzer. Hold function. Automatic switching off after 10 minutes. Display lighting and low battery capacity warning. Supplied complete with test cables, batteries and Swedish user guide. Scale length 3000. Insulation CAT III 300 V according to IEC 61010.

| | | |
|---------------------------|--------------|-----------------------------|
| Art. no. | 16755 | -0102 |
| Limit | No | 240 |
| Direct voltage | | 0-3-30-300 V |
| Max. resolution | | 1 mV |
| Inaccuracy | | ±1% +3 digits |
| Alternating voltage | | 0-3-30-300 V |
| Max resolution | | 1 mV |
| Inaccuracy | | ±1% +4 digits |
| Resistance | | 0-300 Ω-3-30-300 kΩ-3-30 MΩ |
| Max resolution | | 0.1 Ω |
| Inaccuracy | | ±1% + 3 digits |
| Capacitance | | 3-30-300 nF-3-30-300 µF-3mF |
| Max resolution | | 1 nF |
| Inaccuracy | | ±3% + 5 digits |
| Working temperature | | 0-4 °C |
| Storage temperature | | -10 - +50 °C |
| Battery | | 1 x 3V CR2032 |
| Dimensions | | 20 x 27 x 182 mm |
| Weight | | 90 g |

Multimeters

Limit. Digital multimeter with both automatic and manual measurement range setting. Analogue bar diagram for quick or instable signals. True RMS for both voltage and amperage when measuring non linear signals. Registering of max. and min. value. Measures direct/alternating voltage, direct/alternating current, resistance, capacitance, frequency. In addition, diode test, continuity test with buzzer, hold function, display lighting and low battery capacity warning. Can be connected to a PC. Supplied complete with test cables, PC cable with software, batteries and Swedish User Guide. Scale length 6000. Insulation CAT III 1000V/ CAT IV 600 V according to IEC 61010. Fuse protected to 10 A.



| | | |
|---------------------------|--------------|------------------------------|
| Art. no. | 15322 | -0108 |
| Limit | No | 610 |
| Direct voltage | | 60-600 mV-6-60-600-1000 V |
| Max resolution | | 0.10 mV |
| Inaccuracy | | ±1% +3 digits |
| Alternating voltage | | 60-600 mV-6-60-600-750 V |
| Max resolution | | 0.01 mV |
| Inaccuracy | | ±1.2 % 5 digits |
| Direct current | | 600-6000 µA-60-600 mA-6-10 A |
| Max resolution | | 0.1 µA |
| Inaccuracy | | ±1 % + 3 digits |
| Alternating current | | 600-6000 µA-60-600 mA-6-10 A |
| Max resolution | | 0.1 µA |
| Inaccuracy | | ±1.2% +5 digits |
| Resistance | | 600 Ω-6-60-600 KΩ-6-60 MΩ |
| Max resolution | | 0.1 Ω |
| Inaccuracy | | ±1.2 % + 2 digits |
| Capacitance | | 40-400 nF-4-40-400-4000 µF |
| Max resolution | | 0.01 nF |
| Inaccuracy | | ±3% + 5 digits |
| Frequency | | 10 Hz -10 MHz |
| Max resolution | | 0.001 Hz |
| Inaccuracy | | ±0.1% + 4 digits |
| Working temperature | | 0-40 °C |
| Storage temperature | | -10 - 50 °C |
| Battery | | 1 x 9 V6F22 |
| Dimensions | mm | 177x85x40 |
| Weight | g | 300 |

Clamp multimeter

Limit. Digital clamp multimeter with autorange Measures DC/AC voltage, AC current, resistance. Also testing diode, continuity with buzzer, datahold, low battery capacity warning. Supplied completely with test leads, carrying case, battery and English manual. Max. display 9999. Safety insulation CAT II 600 V/CAT 300 V, IEC 61010.

| | | |
|-------------------------------|--------------|---------------------------|
| Art. no. | 12856 | -0109 |
| Limit | No | 20 |
| DC voltage | DCV | 200 mV-2-20-200-600 V |
| resolution | mV | 0.1 |
| accuracy | | ± 0.8% + 1 |
| AC voltage | ACV | 2-20-200-600 V |
| resolution | mV | 1 |
| accuracy | | ± 1.2% + 5 |
| AC current | ACA | 2-20-200-400 A |
| resolution | mA | 1 |
| accuracy | | ± 4% + 5 |
| Resistans | Ω | 200 Ω-2-20-200 KΩ-2-20 MΩ |
| resolution | | 0.1 |
| accuracy | | ± 1% + 2 |
| Automatic off after | min | 15 |
| Battery | | 2 pcs 1.5 V (LR06) |
| Dimension | mm | 208x76x30 |
| Weight | g | 260 |
| Extra test leads | 12860 | -0202 |



Multimeters

Clamp multimeter



Limit. Digital clamp multimeter with autorange. Measures DC/AC voltage DC/AC current, Resistance, Frequency. Also testing diode, continuity with buzzer, datahold, low battery capacity warning. Supplied completely with test leads, carrying case, battery and manual. Max display 3999. Safety isolation CAT II 600V/ CAT III 300 V, IEC 61010.

| | | |
|------------------|-------|---------------------------|
| Art. no. | 14487 | -0102 |
| Limit | N | 21 |
| DC Voltage | | 400 mV-4-40-400-600 V |
| Resolution | | 0.1 mV |
| Accuracy | | ±0.8% + 1 digit |
| A Voltage | mm | 4-40-400-600 V |
| Resolution | | 1 mV |
| Accuracy | | ±1% + 5 digits |
| DC Current | | 40-400 A |
| Resolution | | 0.01 A |
| Accuracy | | ±2% + 3 digits |
| AC Current | | 40-400 A |
| Resolution | | 0.01 A |
| Accuracy | | ±2.5% + 5 digits |
| Resistance | | 400 Ω-4-40-400 KΩ-4-40 MΩ |
| Resolution | | 0.1 Ω |
| Accuracy | | ±1% + 2 digits |
| Frequency | | 10 Hz - 1 MHz |
| Resolution | | 0.001 Hz |
| Accuracy | | ±0.1% + 3 digits |
| Duty cycle | | 0.1%-99.9% |
| Batter | | 9 V (6F22) |
| Dimension | mm | 210x76x30 |
| Weight | g | 200 |



Limit. Digital clamp multimeter with autorange. Measures DC/AC voltage DC/AC current, Resistance, Frequency. Also surge Current measurement, Max/Min mode, true RMS for AC voltage, testing diode, continuity with buzzer, datahold, low battery capacity warning. Supplied completely with test leads, carrying case, battery and manual. Max display 6666. Safety isolation CAT II 600V/ CAT III 300 V, IEC 61010.

| | | |
|------------------|-------|----------------------------------|
| Art. no. | 14486 | -0103 |
| Limit | No | 23 |
| DC Voltage | | 6.6-66-600 V |
| Resolution | | 0.1 mV |
| Accuracy | | ±0.8% + 1 digit |
| AC Voltage | mm | 6.6-66-600 V |
| Resolution | | 1 mV |
| Accuracy | | ±1,2% + 5 digits |
| DC Current | | 66-1000 A |
| Resolution | | 0.01 A |
| Accuracy | | ±1.5% + 8 digits |
| AC Current | | 66-1000 A |
| Resolution | | 0.01 A |
| Accuracy | | ±2% + 8 digits |
| Resistance | | 600 Ω-46.6-66-600 KΩ-6.6-66 MΩ |
| Resolution | | 0.1 Ω |
| Accuracy | | ±1.2% + 2 digits |
| Frequency | | 660 Hz-6.6-66-660 Khz-6.6-66 MHz |
| Resolution | | 0.1 Hz |
| Accuracy | | ±0.1% + 3 digits |
| Duty cycle | | 0.1%-99.9% |
| Battery | | 9 V (6F22) |
| Dimension | mm | 285x105x45 |
| Weight | g | 533 |

Voltage testers

Limit. Voltage and continuity tester with 3 phase rotation detection. Distinguish between phase and zero. Checking function of earth leakage circuit breaker. Single hand test on 19 mm wallsockets. Buzzer indicate continuity. Shows DCV polarity + or -. Flashlight in handle. Automatic on and off. Supplied with battery, probe tips protection and manual.

Safety isolation CAT IV 600 V, IEC 61010. Water and dust protection IP 65.

Limit 110. Ledlights shows voltage in 7 levels. 12-24-50-120-230-400-690 V.

Limit 112. Display shows real voltage value and also ledlights in 7 levels.



14489-0100



14489-0209

| | | | |
|-----------------------|--------------|---------------|---------------|
| Art. no. | 14489 | -0100 | -0209 |
| Limit | No | 110 | 112 |
| Display | | No | Yes |
| Ledlights | | Yes | Yes |
| Voltage | ACV | 12-690 | 12-690 |
| Voltage | DCV | 12-690 | 12-690 |
| Continuity..... | | Summer | Summer |
| Battery | | 2 pcs 1.5V AA | 2 pcs 1.5V AA |
| Dimension | mm | 260x56x20 | 260x56x20 |

Voltage detector

Limit. Controll of electrical voltage or not in conductors, wallsocket etc. Distinguish between phase and zero. Non-contact, just place the tip near an AC voltage conductor. Led flash and buzzer when conductor is live. Buzzer can be turned off. Both automatic and manual off. The instrument is continual checking function and battery status by regular ledflash.

Supplied with battery and manual. Safety isolation CAT IV 1000V.



| | | |
|-----------------------|--------------|----------------|
| Art. no. | 14501 | -0104 |
| Limit | No | 100 |
| AC Voltage | V | 90-1000 |
| Dimension | mm | 18x150 |
| Batterieri | | 2 pcs 1.5V AAA |

Torque tester

Limit. Torque Check Digital measurement instruments designed to check torque wrenches. Robust and easy. Accuracy is $\pm 1\%$ of the measurement value. The instrument is available in two variants: 35-350 Nm or 100-1000 Nm. As standard supplied with factory calibration certificate clockwise.



| | | | |
|-----------------------|--------------|--------------|--------------------|
| Art. no. | 13528 | -0105 | -0204 |
| Limit..... | No | TC350 | TC1000 |
| Torque range..... | Nm | 35-350 | 100-1000 |
| Torque range..... | lbf-ft | 25-250 | 75-750 |
| Drive | inch | | $\frac{3}{4}$ ext. |

Tyre pressure tester

Limit. Digital gauge to measure air pressure in car tyres, etc. Easy to use. One button for both ON and reading mode selection in PSI, BAR kg/cm² or kPa. Automatic shutoff after 10 sec.

Extra battery 3 V CR2032.



| | | |
|---|--------------|------------------------|
| Art. no. | 13235 | -0109 |
| Type | | P 3000 |
| Measurement range | | PSI 0-100 |
| | | bar 0-7 |
| | | kg/cm ² 0-7 |
| Ditto 6-pack in display pack | 13235 | -0208 |
| Extra battery | 10960 | -0304 |

IR Thermometer



Limit. Non contact, infra-red thermometer that measures outdoor temperature with high accuracy and quick reading. The laser spot indicates the centre of the measurement area. Registers max. and min. values. Automatic shutoff after 8 seconds. Display lighting. Adjustable between °C and °F. Warning for low battery voltage. Battery and Swedish instructions included.

| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 15318 | -0104 |
| Limit | No | 91 |
| Measurement range | °C | -18 to +380 |
| Resolution | °C | 0.1 |
| Accuracy | °C | 2 or 2% |
| Measuring surface/Distance | | 1:10 |
| Emission factor | | Fixed 0.95 |
| Working temperature | °C | 0-50 |
| Storage temperature | °C | -20 - 65 |
| Size | mm | 169x138x53 |
| Weight | g | 270 |
| Battery | | 1 x 9 V 6F22 |

Limit. Non contact, infra-red thermometer that measures outdoor temperature with high accuracy and quick reading. The laser spot indicates the centre of the measurement area. Adjustable emission factor. Registers max-min-difference-average value. Scanning function for continuous measurement. Tripod thread 1/4" for mounting on a stand. Automatic shutoff after 8 seconds. Display lighting. Adjustable between °C and °F. Warning for low battery voltage.

Protective holster, battery and Swedish instructions included.



| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 15319 | -0103 |
| Limit | No | 92 |
| Measurement range | °C | -18 to +550 |
| Resolution | °C | 0.1 |
| Precision | °C | 1.8 or 1.8% |
| Measuring surface/Distance | | 1:12 |
| Emission factor | | 0.10-1.00 |
| Working temperature | °C | 0 - 50 |
| Storage temperature | °C | -20 - 65 |
| Size | mm | 169x138x53 |
| Weight | g | 270 |
| Battery | | 1 x 9 V 6F22 |

| | | |
|----------------------------------|--------------|--------------|
| Art. no. | 15319 | -0202 |
| Limit | No | 93 |
| Measurement range | °C | -32 to +1050 |
| Resolution | °C | 0.1 |
| Precision | °C | 1.8 or 1.8% |
| Measuring surface/Distance | | 1:30 |
| Emission factor | | 0.10-1.00 |
| Working temperature | °C | 0 - 50 |
| Storage temperature | °C | -20 - 65 |
| Size | mm | 169x138x53 |
| Weight | g | 270 |
| Battery | | 1 x 9 V 6F22 |

Rubber hardness tester

Limit. Measures soft materials, hardness e.g. rubber, soft plastic materials, leather etc. A spring loaded measurement tip is held against the material and the hardness is stated in Shore A. The measurement surface should be relatively flat and the measurement surface size at least 12 mm in diameter and the measurement is made at least 12 mm from the outer edge. Calibration can be done with the enclosed test block. The instrument has a mean value function for 2 to 9 measurements. Automatic shutoff after 1 minute. The instrument follows the standards according to DIN 53505, ISO 868, ASTM D 2240.

| | | |
|-------------------------------|--------------|---------------------|
| Art. no. | 14485 | -0104 |
| Limit | No | 4000 |
| Measurement range | Shore A | 0-100 |
| Min. material thickness | mm | 6 |
| Precision | % | ±1 |
| Working temperature | °C | 0-50 |
| Relative humidity | % RH | 0-80 |
| Batteries | V | 1.5 (4 x LR 03 AAA) |
| Weight | g | 170 |



Coating thickness gauge

Limit. Measures layer thickness of lacquer, plastic, zinc, etc. on different metals. Can measure both on underlying magnetic metals and non-magnetic metals such as copper, aluminium, stainless steel, etc. Easy to calibrate with the supplied control films. Instructions included. Automatic switching off after 2 minutes.

| | | |
|---------------------------|--------------|-----------------|
| Art. no. | 14483 | -0106 |
| Limit | No | 5100 |
| Measurement range | µm | 0-1000 |
| Resolution 0-100 | µm | 0.1 |
| Resolution 100-1000 | µm | 1 |
| Precision | | ±2.5 µm or 1-3% |
| Batteries 1.5 V | | 4 x LR03 AAA |
| Dimensions | mm | 161x69x32 |
| Weight | g | 200 |



Surface roughness tester



16757-0100



16757-0209

Limit. Portable surface analyser for easy and flexible measurement of different surface parameters. Diamond tips with differential inductive sensor. Motorised arm movement with adjustable measurement lengths. Memory for the last 7 measurements. Adjustable height support on the instrument's rear. Automatic switching off after 5 minutes.

Supplied complete with surface gauge, rechargeable battery with charger and Swedish User Guide.

Extra accessory: Robust and stable **stand**. Surface analyser is mounted on the stand. Handle for easy and exact height adjustment. Max. height 200 mm. **PC cable** with software. RS 232 interface.

| | | |
|--|--------------|---------------------|
| Art. no. | 16757 | -0100 |
| Limit..... | No | 4600 |
| Parameters..... | | Ra-Rq-Rz-Rt |
| Measurement range Ra Rq..... | µm | 0.025-16 |
| Rz Rt..... | µm | 0.02-160 |
| Precision..... | ±% | 10 |
| Profile digital filter..... | | Gaussian, RC, PC-RC |
| Measurement tip radius..... | µm | 5 |
| Measurement pressure..... | mm | 4 |
| Greatest measurement arm movement..... | mm | 17.5 |
| Cut off lengths..... | mm | 0.25 - 0.8 - 2.5 |
| Height support..... | mm | 0.23 |
| Dimensions LxWxH..... | mm | 150x55x50 |
| Weight..... | g | 420 |
| Accessories: | | |
| Support | 16757 | -0209 |
| PC cable and software | 16757 | -0308 |

Ultrasound thickness gauge



Limit. Digital instrument that measures material thickness using ultrasound technology on most homogeneous materials. To measure material thickness using ultrasound technology is very suitable when access is only possible from one side. E.g. pipes, tanks, cisterns, glass structures, etc. Suitable materials to measure material thickness with ultrasound technology are metals, glass and plastics. The condition is that the material is homogeneous, that both sides are parallel and that the surfaces are not too uneven. Automatic switching off after 2 minutes. Instructions included.

| | | |
|---------------------------|--------------|-------------------|
| Art. no. | 14484 | -0105 |
| Limit..... | No | 5500 |
| Measurement range..... | mm | 1.2-200 |
| Resolution..... | mm | 0,1 |
| Measurement sensor Ø..... | mm | 10 |
| Accuracy 1-10 mm..... | mm | ±0.4 |
| Accuracy 10-100 mm..... | mm | ±0.4 + 1% |
| Accuracy 100-250 mm..... | mm | ±3% |
| Working temperature..... | °C | 0-50 |
| Relative humidity..... | % RH | 0-80 |
| Batteries..... | | 4 x 1.5V LR03 AAA |
| Weight..... | g | 165 |

Sound level meter

Soundmeter

Limit. Digital sound level meter. Two different filter curves A or C and quick or slow sound recording. The A-filter corresponds to the human ear's frequency sensitivity and is suitable for environmental sound measurements. The C-filter is linear and is ideal for inspecting machines. Quick (fast) sound recording is used when you want to see rapid sound peaks. The slow mode gives a stable measurement result of sound that varies or pulses. The sound can be read instantaneously or gives a mean value under a selected time period, from 10 sec to 24 hours. Integrated memory for 30 measurements or the instrument can be connected to a PC for registration of measurement values. Registration of max. value. Alarm function which indicates with a LED when the sound level is above a set value. The number of measurement values that exceed the alarm value during the measurement period can be shown. Adjustable automatic or manual shutoff. Integrated calibration function 94 dB. Instructions included.

Conforms to standard IEC 651 Type 2, ANSI 1.4 Type 2.



| | | |
|--|--------------|---|
| Art. no. | 15152 | -0103 |
| Limit | No | 7000 |
| Measurement range | dB | 30-130 |
| Resolution | dB | 0,1 |
| Precision | dB | ±1 |
| Speed Fixed | ms | 125 |
| Speed Slow | sec | 1 |
| Measurement periods | | 10 sec, 1 min, 5 min, 10 min, 15 min, 30 min, 1 hour, 8 hours, 24 hours |
| Memory capacity | | 30 |
| Frequency range | Hz | 20-12500 |
| Batteries | | 4 x 1.5V LR03 AAA |
| Size | mm | 236x63x26 |
| Weight | g | 170 |
| Computer cable with software for connection to PC. Connection RS-232. | 15152 | -0202 |
| Sound calibrator 94 and 114 dB. | 15152 | -0301 |
| Battery adapter | 15152 | -0400 |

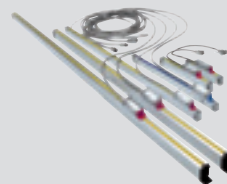
Digital Linear Scales and Readout



15139-0101



15139-0200



Linear scales

Limit. For setting and positioning on lathes and millers.

15139-0101. 3-axis display unit for millers. The display unit features functions for radius milling, angle milling, pocket milling, linear and circular hole patterns, tool compensation, etc. Memory for 200 coordinate settings. Complete including arm and assembly accessories.

15139-0200. 2-axis display unit for lathes. The display unit features functions for radius/diameter setting, tool exchange, measures tapers. Memory for 200 coordinate settings. Complete including arm and assembly accessories.

The equipment conforms to the CE low voltage directive 73/23/EEC and 89/336/EEC.

Linear scales with photoelectric reading technique. Complete incl. cable, protective plate and assembly accessories.

| | | | |
|-----------------------------|--------------|--------------|--------------|
| Display unit | 15139 | -0101 | -0200 |
| Limit | No | DRO-3M | DRO-2L |
| Intended for | | mill | lathe |
| Resolution | mm | 0,005 | 0,005 |
| Precision | mm | ± 0,005 | ± 0,005 |
| Power supply | V | 240 | 240 |
| Working temperature | °C | 0-45 | 0-45 |
| Storage temperature | °C | -30 - 70 | -30 - 70 |
| Relative humidity max. | | 90% | 90% |
| Enclosure class | | IP53 | IP53 |

| | | | | | | | | | |
|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Linear scales | 15139 | -0309 | -0408 | -0507 | -0606 | -0705 | -0804 | -0903 | -1000 |
| Length | mm | 150 | 200 | 250 | 300 | 400 | 500 | 600 | 700 |
| Linear scales | 15139 | -1109 | -1208 | -1307 | -1406 | -1505 | -1604 | -1703 | -1802 |
| Length | mm | 800 | 900 | 1000 | 1200 | 1400 | 1600 | 1800 | 2000 |

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