

EXPORT

# IN MOTION

PRODUCT CATALOGUE FOR PUMPING, METERING AND DOSING



# **WELCOME TO “HALLBAUER” – A DIVISION OF SAMOA-HALLBAUER**

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With great pleasure we would like to present to you our new catalogue for professional equipment for the handling of fluids especially lubricants. Established in 1919 the brand HALLBAUER of Samoa-Hallbauer GmbH stands ever since for reliable partnership when it comes to professional lubrication equipment. As a forward-looking group of companies we rely on our innovative power and experience to offer you state-of-the-art and individual solutions for your lubrication problems. We invite you to discuss your requirements with us, as communication is vital for tailor-made products and adequate service.

General management and staff are dedicated to achieve our goal: your entire satisfaction! Quality combined with a convincing price/value-ratio: That is what we guarantee through a close quality control and regular field tests. What you as a professional require is professional quality! Our excellent logistics situation in the heart of the busy Rhine-Neckar-triangle allows us to provide best service and prompt delivery for our customers worldwide in over 80 countries. On the following pages you are invited to get to know our product range and performance. And do not forget: We are just a phone call or e-mail away to learn about your individual needs!

We look forward to our future cooperation.



Dr. Albrecht Hallbauer, Managing Director of Samoa-Hallbauer GmbH



Good accessibility – even from distance: Our export sales and logistics team.



# On Order: Quality and Service. A Cut Above.

At Samoa-Hallbauer GmbH meet the decade long success story of Hallbauer Metallwarenfabrik GmbH and the innovative strength and worldwide production structure of Samoa S.A. Both together are the leading suppliers for pumping, metering and dosing technology of viscous liquids such as lubricants giving you the benefit of high class, innovative and sustainable products attended by trusted service.

Please let us know your questions, requests, proposals, and concerns. We will only be too happy to have the opportunity to assist you with advice, offers tailored to your needs and a reliable after sales service. Just call or e-mail us and we will be with you. Thank you.

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## GET IN TOUCH WITH US:



Simply call ...

or



... order via e-mail.

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Not easy, but feasible.

Our air-operated grease guns: time and cost saving





# A LARGE FIELD – FROM LOW-TECH TO HIGH-TECH.

## For a easy lubricating with grease

Let's start our trip to the lubrication universe with the "classics" which are still the backbone in lubrication worldwide – the hand- and foot-operated lubrication equipment. They are literally independent from electric power and compressed air. However, they ask for your muscular strength – sometimes less, sometimes more.

If you have to lubricate e.g. the huge harvesting or construction machines which need quite a bit of grease your choice is the hand-operated bucket greaser HAG which gives you high-pressure lubrication directly out of the grease keg. The HAG bucket greasers are by the way also very popular for servicing cable cars and ski lifts in the mountains.

You need a free hand and would like to have a little extra exercise for your leg muscles? Fine, then just get yourself one of our high-pressure foot-operated grease pumps FHP or WH. They have a clear home field advantage in industry, in shipping and railway companies.

Worldwide number one in the lubrication charts as second to none is still the good old lever-type grease gun – a real classic. Many million pieces are manufactured every year and the volume is still growing. Watch out, though, when you buy a grease gun! If you have to lubricate your leisure time vehicles once or twice a year you could, if you want to do so, settle for one of the cheap grease guns, but if you or your customers are professional users you should look for quality – otherwise buying cheap could become very expensive in the end when you look

at the enormous financial damage a not properly lubricated bearing could cause when it comes to the very expensive machines which are used in industry, construction or agriculture.

As we consider ourselves to be professionals having been servicing for almost one century now professionals like yourself, we place special emphasis on quality products. This applies to our top of the line grease guns, the Variomatic special for the very rough applications and as well to our X-TRA line grease guns made completely out of steel, our workhorse for the everyday lubrication job. Latest examples to meet our commitment as professionals are our new grease gun lines with screw-in cartridges such as the one-hand grease gun PEP 500 VARIO-PAT and the push-type grease gun K 100 which finally make refilling of grease guns a clean and easy job.



**Worldwide number one in the lubrication charts is lever-type grease gun.**

# 01 Grease

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## Professional lever grease guns

- › extremely reliable, also with high-pressure applications
- › precisely worked piston, no need of additional sealings
- › made of precision steel, robust and durable
- › safe grip (non-slip knurled pump body, curved lever, extra-large piston knob for safe handling)
- › working pressure 400 bar (5.800 psi)

### Heavy-duty lever grease gun "Variomatic" special 40844 / 40843



**81774 "Variomatic" special/M** without accessories

**81773 "Variomatic" special/BSP** without accessories

**40844 Set "Variomatic" special/M**

with extension pipe 103/M (DIN 1283), 150 mm / 6 inch, with 4-jaw Profi-nozzle

**40842 Set "Variomatic" special/BSP**

with extension pipe 103/BSP, 150 mm / 6 inch, with 4-jaw Profi-nozzle

**40843 Set "Variomatic" special/M**

with safety high-pressure rubber hose 110/M (DIN 1283), 300 mm / 12 inch,  
with 4-jaw Profi-nozzle (DIN 1283)

**40841 Set "Variomatic" special/BSP**

with safety high-pressure rubber hose 110/BSP, 300 mm / 12 inch,  
with 4-jaw Profi-nozzle, 150 mm / 6 inch, with 4-jaw Profi-nozzle

**40736 Set "Variomatic" special/M**

with safety high-pressure rubber hose 110/M (DIN 1283), 300 mm / 12 inch, and extension pipe  
103/M (DIN 1283), 150 mm / 6 inch, both with 4-jaw Profi-nozzle (DIN 1283)

#### Characteristics

- › heavy-duty lever grease gun made of precision steel with heavy-duty diecast aluminium head
- › builds up very high pressure
- › for application under tough conditions, especially in agriculture and construction
- › variable and controlled lubrication with short-stroke system
- › white plain carton
- › safety handle
- › filler nipple
- › three-way loading with professional filler pump FG plus, 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- › capacity 500 cm<sup>3</sup> (17 oz) / 400 g (14 oz)
- › connecting thread M = M 10 x 1, 1/8" BSP = G 1/8"

## Professional lever grease guns

- › extremely reliable, also with high-pressure applications
- › precisely worked piston, no need of additional sealings
- › made of precision steel, robust and durable
- › safe grip (non-slip knurled pump body, curved lever, extra-large piston knob for safe handling)
- › working pressure 400 bar (5.800 psi)

### Lever grease gun „X-TRA 701” with filler nipple 01803



### Lever grease gun „X-TRA 701” Colour with filler nipple 41274



#### Without accessories

40800 X-TRA 701/M (DIN 1283)

40801 X-TRA 701/BSP

#### With bent extension pipe 103, 150 mm/6 inch, with 4-jaw Profi-nozzle

01801 Set „X-TRA 701”/M with 103/M (DIN 1283)

01831 Set „X-TRA 701”/R with 103/BSP

40641 Set „X-TRA 701”/NPT with 103/NPT

#### With safety high-pressure rubber hose 110, 300 mm/12 inch, with 4-jaw Profi-nozzle

01803 Set „X-TRA 701”/M with 110/M (DIN 1283)

01833 Set „X-TRA 701”/R with 110/BSP

#### With high-pressure hose 910, 300 mm/12 inch, with 4-jaw Profi-nozzle

40453 Set „X-TRA 701”/M with 910/M (DIN 1283)

40871 Set „X-TRA 701”/R with 910/BSP

40642 Set „X-TRA 701”/NPT with 910/NPT

#### With safety high-pressure rubber hose 110, 300 mm/12 inch, and bent extension pipe 103, 150 mm/6 inch, both with 4-jaw Profi-nozzle

40408 Set „X-TRA 701”/M with 110/M (DIN 1283) and 103/M (DIN 1283)

40405 Set „X-TRA 701”/R with 110/BSP and 103/BSP

#### With high-pressure hose 910, 300 mm/12 inch, and bent extension pipe 103, 150 mm/6 inch, both with 4-jaw Profi-nozzle

40546 Set „X-TRA 701”/M with 910/M (DIN 1283) and 103/M (DIN 1283)

40419 Set „X-TRA 701”/R with 910/BSP and 103/BSP


#### Characteristics

- › ultimate suction power with full-stroke system
- › made of precision steel, robust, durable and with curved lever and filler nipple
- › three-way loading with professional filler pump FG plus, 400 g (14 oz) grease cartridges or bulk grease
- › output 1 cm<sup>3</sup>/stroke
- › capacity 500 cm<sup>3</sup> (17 oz) / 400 g (14 oz)
- › connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT

#### 41274 X-TRA 701/M Colour

without accessories

#### Characteristics

- › five different safety handles (red, yellow, green, blue and black) for a better allocation of specially greases to the lubrication points of machinery and vehicles
- › display carton with 
- › ultimate suction power with full-stroke system
- › made of precision steel, robust and durable
- › filler nipple
- › three-way loading with professional filler pump FG plus, 400 g (14 oz) grease cartridges or bulk grease
- › output 1 cm<sup>3</sup>/stroke
- › capacity 500 cm<sup>3</sup> (17 oz) / 400 g (14 oz)
- › connecting thread M = M 10 x 1




**Lever grease gun  
"X-TRA 709"  
82024**



**82024 "X-TRA 709"/M (DIN 1283)**

**82026 "X-TRA 709"/BSP**

**Characteristics**

- › display plastic bag (PE) with 
- › two-way loading with 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- › capacity 500 cm<sup>3</sup> (17 oz)/400 g (14 oz)
- › working pressure 400 bar (5.800 psi)
- › connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT on request

**Lever grease gun "X-TRA 709"  
with bent extension pipe  
01851**




**With bent extension pipe 103,  
150 mm/6 inch, with 4-jaw Profi-nozzle**

**01851 Set "X-TRA 709"/M  
with 103/M (DIN 1283)**

**01881 Set "X-TRA 709"/BSP  
with 103/BSP**

**Characteristics**

- › display plastic bag (PE) with 
- › two-way loading with 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- › capacity 500 cm<sup>3</sup> (17 oz)/400 g (14 oz)
- › working pressure 400 bar (5.800 psi)
- › connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT on request

**Lever grease gun "X-TRA 709"  
with high-pressure rubber hose  
01853**




**With high-pressure hose 910, 300 mm/  
12 inch, with 4-jaw Profi-nozzle**

**01853 Set "X-TRA 709"/M  
with 910/M (DIN 1283)**

**01883 Set "X-TRA 709"/BSP  
with 910/BSP**

**Characteristics**

- › display plastic bag (PE) with 
- › two-way loading with 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- › capacity 500 cm<sup>3</sup> (17 oz)/400 g (14 oz)
- › working pressure 400 bar (5.800 psi)
- › connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT on request

## Professional lever grease guns

- › extremely reliable, also with high-pressure applications
- › precisely worked piston, no need of additional sealings
- › made of precision steel, robust and durable
- › safe grip (non-slip knurled pump body, curved lever, extra-large piston knob for safe handling)
- › working pressure 400 bar (5.800 psi)


### Lever grease gun "X-TRA 600" with filler nipple 81712



#### 81712 "X-TRA 600" / M without accessories

#### 40437 Set "X-TRA 600"/M with extension pipe 103/R with 4-jaw Profi-nozzle

##### Characteristics

- › display plastic bag (PE) with 
- › safety handle
- › filler nipple
- › three-way loading with filler pump FG, 400 g (14 oz) (DIN 1284) and 500 g (7,5 oz) grease cartridges or bulk grease
- › capacity 600 cm<sup>3</sup> (20 oz) / 500 g (17,5 oz)
- › connecting thread M = M 10 x 1

### Two-hand grease gun PZP 41037



#### 41035 PZP/M

#### 41037 Set PZP/M (DIN 1283) with high-pressure hose 910/M with 4-jaw Profi-nozzle

#### 41038 Set PZP/M (DIN 1283) with safety-high-pressure rubber hose 110/M with 4-jaw Profi-nozzle

##### Characteristics

- › environmentally sound due to use with refillable 500 g (17,5 oz) screw-in cartridges and reliable emptying of cartridges
- › quick and clean changing of cartridge
- › robust construction with zinc die cast head and sheet metal levers
- › powerful suction capacity by full-stroke system
- › controlled lubrication due to safe hand grip
- › unbreakable retractable cartridge guide ring
- › little operation effort required due to customer-oriented lever construction
- › working pressure 400 bar (5.800 psi)
- › output 1,4 cm<sup>3</sup>/stroke (0,05 oz)
- › connecting thread M = M 10 x 1

### Lever grease gun box PHK 07990



#### 07990 PHK/M

#### 40044 PHK/BSP

##### Characteristics

- › solid plastic box, with oil-proof insert
- › connecting thread M = M 10 x 1, 1/8" BSP = G 1/8", 1/8" NPT

##### Content:

- › 1 professional lever grease gun "X-TRA 701"
- › 1 safety high-pressure rubber hose 2200 with 4-jaw Profi-nozzle and quick coupler
- › 1 extension pipe 103, bent, with 4-jaw Profi-nozzle
- › 1 extension pipe 2060 with cardan nozzle and quick coupler
- › 1 extension pipe 2070/M1 with hook-on coupler for button-head grease fittings M1 ø 16 mm and quick coupler
- › 1 all-purpose nozzle 36
- › 1 pointed nozzle 23
- › 1 reduction piece (only for PHK/NPT)

# Professional one-hand grease guns

- › indispensable for difficult to reach greasing points
- › connecting thread 1/8" BSP = G 1/8"

## One-hand grease gun "PEP 500" 01531



## One-hand grease gun "PEP 500 VARIO" 40700



## One-hand grease gun "PEP 500 VARIO-PAT" 40700



**01531 "PEP 500" D**  
with extension pipe 103/BSP  
with 4-jaw Profi-nozzle

**40511 "PEP 500" D – M 10 x 1**  
with extension pipe 103/M  
with 4-jaw Profi-nozzle

**01532 "PEP 500" G**  
with safety high-pressure rubber hose 110/BSP  
with 4-jaw Profi-nozzle


**40512 "PEP 500" G – M 10 x 1**  
with safety high-pressure rubber hose 110/M  
with 4-jaw Profi-nozzle

**40344 "PEP 500" H**  
with high-pressure hose 910/BSP  
with 4-jaw Profi-nozzle

**40527 "PEP 500" Econo**  
with high-pressure hose KS-E 300/BSP,  
with 4-jaw Profi-nozzle

**40832 "PEP 500"**  
with extension pipe 103/BSP  
and safety high-pressure rubber hose 110/BSP  
both with 4-jaw Profi-nozzle

### Characteristics

- › made of precision steel
- › display plastic bag (PE) with 
- › filler nipple
- › three-way loading with filler pump FG, 400 g (14 oz) cartridges (DIN 1284) or bulk grease
- › capacity 500 cm<sup>3</sup> (17 oz)/400 g (14 oz)

**40700 "PEP 500 VARIO" H**  
with high-pressure hose 910/BSP  
with 4-jaw Profi-nozzle

**40777 "PEP 500 VARIO" D**  
with extension pipe 103/BSP  
with 4-jaw Profi-nozzle

### Characteristics

- › integrated switch mode for high pressure or high output
- › made of precision steel with heavy-duty diecast zinc head, high quality coated grease gun body and zinc-plated handle
- › handle lockable in place for leak-proof storing
- › display carton
- › filler nipple and vent nipple
- › three-way loading with filler pump FG, 400 g (14 oz) cartridges (DIN 1284) or bulk grease
- › capacity 500 cm<sup>3</sup> (17 oz)/400 g (14 oz)

**40733 "PEP 500 VARIO-PAT" 2**  
for 500 g (17,5 oz) screw-in cartridges  
with high-pressure hose 910  
with 4-jaw Profi-nozzle

**40601 "PEP 500 VARIO-PAT" 4**  
for 500 g (17,5 oz) screw-in cartridges  
with high-pressure hose 910  
with 4-jaw Profi-nozzle  
specially for Kajo-cartridges

### Characteristics

- › display carton
- › integrated switch mode for high pressure or high output
- › made of precision steel with heavy-duty diecast zinc head, high quality coated grease gun body and zinc-plated handle
- › handle lockable in place for leak-proof storing
- › clean and quick refilling with 500 g (17,5 oz) screw-in cartridges

## Professional one-hand grease guns

- › indispensable for difficult to reach greasing points
- › connecting thread 1/8" BSP = G 1/8"

### Professional one-hand grease gun "PEP 200" 11211



**11211 "PEP 200" D**  
with extension pipe 103/M with 4-jaw Profi-nozzle and 2 screw-in cartridges PAT 100

**11212 "PEP 200" H**  
with high-pressure hose with 4-jaw Profi-nozzle and 2 screw-in cartridges PAT 100

#### Characteristics

- › plain white carton
- › with screw-in cartridge filled with 100 g (3,5 oz) lithium base multiple-purpose grease, consistency class NLGI 2, for a simple, quick and clean operation
- › connecting thread M = M 10 x 1

### Professional one-hand grease gun "PEP 100" 40483



#### 40483 "PEP 100"

#### Characteristics

- › plastic bag (PE)
- › double-nozzle for hydraulic and cup-shaped grease fittings
- › refilling with grease cartridge PAT 60 or bulk grease
- › capacity 100 cm<sup>3</sup> (3,5 oz)
- › connecting thread M = M 10 x 1



Please find our choice of grease cartridges on page 31.



## Professional push-type grease guns made of plastic

- › multifunctional
- › ideal for tool boxes or kits
- › one-hand operation

### “Serie K 60” 40557 / 40583 / 41078



**empty**  
**40557 K 60/Na tube length 30 mm**  
 with extra-pointed nozzle  
**40558 K 60/3 tube length 30 mm**  
 with all-purpose nozzle  
**41078 K 60/3 tube length 100 mm**  
 with all-purpose nozzle, for filling of  
 cardan joints

**prefilled with multiple-purpose grease**  
**40582 K 60/Na**  
 with extra-pointed nozzle  
**40583 K 60/3**  
 with all-purpose nozzle

- › refilling with grease cartridge PAT 60
- › manufactured from high-quality plastic materials withstanding changes in temperature
- › transparent, visual control of fill level
- › suitable for high viscosity oils and greases of up to medium consistency (NLGI 2)
- › capacity 60 cm<sup>3</sup> (2 oz)
- › pointed nozzle for cup-shaped grease fittings
- › all-purpose nozzle for hydraulic and ball-head grease fittings
- › output max. 0,5 cm<sup>3</sup>/stroke (0,02 oz) - depend on consistency of grease

### “Serie K” – customized version



**stamping of grease gun body with your logo**  
 One-time set-up cost for printing block and art work as well as printing cost and purchase minimum on request.

**packaging in slide-in blister**  
 (holding one grease gun) Cost for blister package and purchase minimum on request.

**blistercard (6,5 cm x 24,5 cm)**  
 One-time set-up cost for printing block and artwork as well as printing cost and purchase minimum on request.

### “Serie K 100” with screw-in cartridges 40625 / 40626 / 40627 / 41275



**40625 K 100/2 tube length 30 mm**  
 with pointed nozzle  
 and 1 screw-in cartridge

**40626 K 100/3 tube length 30 mm**  
 with all-purpose nozzle  
 and 1 screw-in cartridge

**40627 K 100/NA tube length 30 mm**  
 with extra-pointed nozzle  
 and 1 screw-in cartridge

**41275 K 100/3 VL70 tube length 100 mm**  
 with all-purpose nozzle  
 and 1 screw-in cartridge

#### Characteristics

- › quick and clean filling with screw-in cartridge PAT 100 containing 100 g (3,5 oz) lithium base multiple purpose grease, consistency class NLGI 2
- › including 1 cartridge
- › capacity 100 cm<sup>3</sup> (2 oz)
- › pointed nozzle for cup-shaped grease fittings
- › all-purpose nozzle for hydraulic and ball-head grease fittings
- › extra-pointed nozzle, e.g. for chain saws
- › output max. 0,5 cm<sup>3</sup>/stroke (0,02 oz) - depend on consistency of grease

# Professional push-type grease guns

- › made of steel
- › suitable for different types of grease
- › capacity 60 cm<sup>3</sup> (2 oz) up to 180 cm<sup>3</sup> (6 oz)

## “Serie T” 03122 / 03332



- 03122 T 100/2**  
with pointed nozzle
- 03132 T 100/3**  
with all-purpose nozzle

- 03322 T 180/2**  
with pointed nozzle
- 03332 T 180/3**  
with all-purpose nozzle

### Characteristics

- › suitable for greases of high consistency (NLGI 3)
- › telescopic piston tube
- › capacity 100 cm<sup>3</sup> (3,5 oz) up to 180 cm<sup>3</sup> (6 oz)

## “Serie F” 04121 / 04131



- 04021 F 60/2**  
with pointed nozzle
- 04052 F 60/Na**  
with extra-pointed nozzle for chain saws
- 04032 F 60/3**  
with all-purpose nozzle

### Characteristics

- › suitable for greases of medium consistency (NLGI 2) and high viscosity oils
- › user-optimized design
- › refilling with grease cartridge PAT 60 or bulk grease
- › easy removal of the empty grease cartridge
- › capacity 60 cm<sup>3</sup> (2 oz) or 150 cm<sup>3</sup> (5 oz)
- › output max. 0,3 cm<sup>3</sup>/stroke (0,01 oz) - dependent on consistency of grease

- 04121 F 150/2**  
with pointed nozzle
- 04131 F 150/3**  
with all-purpose nozzle
- 40727 F 150/3+2**  
with pointed nozzle and all-purpose nozzle

### Characteristics

- › suitable for greases of medium consistency (NLGI 2) and high viscosity oils
- › capacity 60 cm<sup>3</sup> (2 oz) or 150 cm<sup>3</sup> (5 oz)
- › output max. 0,3 cm<sup>3</sup>/stroke (0,01 oz) - dependent on consistency of grease

## “Serie FO” 05122 / 05132



- 05122 FO 180/2**  
with pointed nozzle
- 05132 FO 180/3**  
with all-purpose nozzle

### Characteristics

- › especially suitable for low viscosity oils and aerosols
- › capacity 180 cm<sup>3</sup> (6 oz)

## Adapters for push-type grease guns (series T, F 150, FO 180) 07011 / 80366 / 07041 / 80492



- 07011 23/M 9 x 1** pointed nozzle
- 80366 23/M 9 x 1** extra-pointed nozzle
- 07041 36/M 9 x 1** all-purpose nozzle
- 80492 M 9 x 1i – M 10 x 1a** connection adaptor

## Professional manual high pressure grease pumps

- › versatile, especially when higher amounts of grease are required and no connection to compressed air is available
- › ideal for manual and economic lubrication in private and public vehicle fleets, in agriculture, construction, mines, workshops and the maritime sector
- › one-hand operation allows secure seat of 4-jaw Profi-nozzle on grease fittings head
- › units complete with greasing hose and extension pipe including 4-jaw Profi-nozzle

### Bucket greaser "Serie HAG" 40110



**40110 HAG 15** for 15 kg grease kegs, suction tube length 300 mm, dust cover ø 310 mm, follower plate ø 260–290 mm

**40111 HAG 20** for 20 kg grease kegs, suction tube length 360 mm, dust cover ø 330 mm, follower plate ø 260–306 mm

**40112 HAG 25** for 25 kg grease kegs, suction tube length 360 mm, dust cover ø 342 mm, follower plate ø 285–341 mm

**40126 HAG 50** for 50 kg grease kegs, suction tube length 660 mm, dust cover ø 405 mm, follower plate ø 360–405 mm

#### Characteristics

- › for manual lubrication directly from grease keg
- › suitable for greases up to consistency class NLGI 2
- › manual lever pump with G 2" bung adaptor
- › follower plate, dust cover with G 2" connection, 1,5 m high-pressure rubber hose with extension pipe and 4-jaw Profi-nozzle
- › working pressure 350 bar (5.000 psi)
- › output 2 cm<sup>3</sup>/stroke (0,06 oz)
- › suction tube ø 32 mm

*Delivery content without bucket.*

### Grease bucket pump "Serie BMP" 150000



#### 150000 BMP 16

#### Characteristics

- › heavy-duty manual grease pump for high output
- › 3 alternative lever positions for different outputs: 10 g (0,35 oz), 15g (0,50 oz), 20 g (0,70 oz)
- › suitable for greases up to consistency class NGLI 2 and oils
- › maximum pressure range between 80 bar (1.160 psi) and 200 bar (2.900) psi depending on lever position
- › including robust and stable steel container
- › capacity 16 kg (565 oz)
- › with 1,5 m high-pressure rubber hose with extension pipe and 4-jaw Profi-nozzle

## Professional high-pressure foot-operated grease pumps

- › foot operated
- › suitable for high pressures
- › including high-pressure hose

### Professional high-pressure foot-operated grease compressors "Serie WH" 41012



- 41012 WH 5 LP with 4 m greasing hose
- 41013 WH 5 LP with 7 m greasing hose
- 41014 WH 5 LP with 10 m greasing hose
- 41015 WH 5 DR with 4 m greasing hose
- 41016 WH 5 DR with 7 m greasing hose
- 41017 WH 5 DR with 10 m greasing hose

#### Characteristics

- › suitable for greases up to consistency class NLGI 3 and for oils (surcharge)
- › grease pistol with swivel and hose adaptor
- › safety high-pressure rubber hoses nom. diam. 6 are available in the standard lengths of 4 m, 7 m and 10 m
- › grease follows by means of an air pump (WH 5 LP) or compressed air (WH 5 DR)
- › mobile
- › capacity 6,5 kg (230 oz)
- › working pressure max. 400 bar (5.800 psi)
- › bursting pressure 1.600 bar (23.200 psi)
- › output 2 cm<sup>3</sup>/stroke (0,06 oz)

### Professional high-pressure foot-operated grease pump FHP 157000



#### 157000 FHP 7

#### Characteristics

- › suitable for greases up to consistency class NLGI 2
- › 5 kg-container with pedal and carrying handle
- › 2 m high-pressure rubber hose with 4-jaw Profi-nozzle
- › working pressure approx. 500 bar (7.250 psi)
- › output 2 cm<sup>3</sup>/stroke (0,06 oz)



## Professional battery-operated grease guns

- › battery-operated grease guns with two Li-ION 18 V-batteries
- › robust plastic case
- › 400 bar working pressure

### Rechargeable grease gun "AFP-S 500" 160101400



### Rechargeable grease gun "AFP 500-PAT" 160101401



### Accessories and spare parts 169009



**160101400 "AFP-S 500"** with two Li-ION 18 V-batteries

**160103400 "AFP-S 500"** with one Li-ION 18 V-batterie

#### Characteristics

- › high-pressure hose 1.000 mm (39 inch) with 4-jaw Profi-nozzle
- › one or two powerful 18 V rechargeable batteries 1.500 mAh (Li-ION)
- › two-way loading with 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- › express recharger – charging time 60 min
- › working pressure 400 bar (5.800 psi)
- › output approx. 100 cm<sup>3</sup>/min (3,5 oz) against 0 bar
- › capacity 500 cm<sup>3</sup> (17,5 oz) / 400 g (14 oz)

#### Advantages of Li-ION batteries:

- › faster loading times
- › longer lifetime
- › less weight

**160101401 "AFP 500 PAT"** with two Li-ION 18 V-batteries

**160103401 "AFP 500 PAT"** with one Li-ION 18 V-batterie

#### Characteristics

- › high-pressure hose 1.000 mm (39 inch) with 4-jaw Profi-nozzle
- › one or two powerful 18 V rechargeable batteries 1.500 mAh (Li-ION)
- › clean and quick filling with eco-friendly 500 g (17,5 oz) screw-in cartridges
- › prefilled, ready for use
- › express recharger – charging time 60 min
- › working pressure 400 bar (5.800 psi)
- › output approx. 100 cm<sup>3</sup>/min (3,5 oz) against 0 bar

#### Advantages of Li-ION batteries:

- › faster loading times
- › longer lifetime
- › less weight

#### Batteries

**169009 Battery for AFP-S 500 Li-ION**

#### Characteristics

- › voltage 18 V
- › capacity 1.500 Ah

#### Chargers

**169011 Charger for Li-ION-Akku**

#### Characteristics

- › input voltage 230 V, 50 Hz, 32 W
- › output voltage 18V
- › 1 h-battery-recharging

#### Hoses

**169012 High-pressure hose,**  
1.000 mm/39 inch

#### Extension pipes

**40517 Extension pipe 150/NPT,** straight  
**40518 Extension pipe 103/NPT,** straight  
with 4-jaw Profi-nozzle

## Professional air-operated grease guns

- › practical one-hand operation
- › controlled grease dispensing by single action – 1 cm<sup>3</sup>/stroke (0,03 oz) at 400 bar (5.800 psi)
- › air pressure 2 – 6 bar (29 – 87 psi)
- › pressure ratio 1:60
- › connecting thread 1/8" BSP = G 1/8"

### "DFP 500" 10205 / 10206



**10205 "DFP 500" D**  
with extension pipe 103/BSP  
with 4-jaw Profi-nozzle

**10206 "DFP 500" G**  
with safety high-pressure rubber hose 110/BSP  
with 4-jaw Profi-nozzle

#### Characteristics

- › display carton
- › three-way loading with filler pump FG, 400 g (14 oz) grease cartridges (DIN 1284) or bulk grease
- › capacity 500 cm<sup>3</sup> (17 oz)/400 g (14 oz)

### "DFP 1000" 10210 / 10211



**10210 "DFP 1000" D**  
with extension pipe 103/BSP  
with 4-jaw Profi-nozzle

**10211 "DFP 1000" G**  
with safety high-pressure rubber hose 110/BSP  
with 4-jaw Profi-nozzle

#### Characteristics

- › display carton
- › two-way loading with filler pump FG or bulk grease
- › capacity 1.000 cm<sup>3</sup> (34 oz)/800 g (28 oz)
- › grease follows by compressed air

## Professional air-operated greasing unit "Schmiermeister"

- › presupply system for safe delivery of long-time greases
- › air-operated greasing units "Schmiermeister" you can use stationary or mobile with trolley, with high-pressure rubber hoses with 4, 7 or 10 m length
- › including pressure reducer and drain valve for less wear and long lasting
- › including 2" BSP adaptor for barrels

### "Schmiermeister" – "Serie PM" stationary 40032



### "Schmiermeister" – "Serie PM" mobile 40531



40032 PM 15/18 stationary with 4 m hose  
40043 PM 15/18 stationary with 7 m hose  
40047 PM 15/18 stationary with 10 m hose

40406 PM 20 stationary with 4 m hose  
40407 PM 20 stationary with 7 m hose  
40410 PM 20 stationary with 10 m hose

40336 PM 25 stationary with 4 m hose  
40346 PM 25 stationary with 7 m hose  
40351 PM 25 stationary with 10 m hose

40458 PM 50 stationary with 4 m hose  
40478 PM 50 stationary with 7 m hose  
40495 PM 50 stationary with 10 m hose

40541 PM 200 stationary with 4 m hose  
40555 PM 200 stationary with 7 m hose  
40568 PM 200 stationary with 10 m hose  
40611 + 501300 PM 200 stationary with 10 m hose  
on a hose reel and with connecting hose

40260 PM 15/18 mobile with 4 m hose  
40261 PM 15/18 mobile with 7 m hose  
40265 PM 15/18 mobile with 10 m hose

40411 PM 20 mobile with 4 m hose  
40415 PM 20 mobile with 7 m hose  
40428 PM 20 mobile with 10 m hose

40361 PM 25 mobile with 4 m hose  
40365 PM 25 mobile with 7 m hose  
40383 PM 25 mobile with 10 m hose

40531 PM 50 mobile with 4 m hose  
40536 PM 50 mobile with 7 m hose  
40537 PM 50 mobile with 10 m hose

40574 PM 200 mobile with 4 m hose  
40576 PM 200 mobile with 7 m hose  
40581 PM 200 mobile with 10 m hose  
40219 + 501300 PM 200 mobile with 10 m hose  
on a hose reel and with connecting hose

#### Characteristics

- › high output achieved by pressure ratio 1:55 and safety high-pressure rubber hoses with large inner diameter
- › suitable for oils and greases up to consistency class NLGI 2, also for biological greases
- › follower plate, steel dust cover and high-pressure grease pistol with professional z-swivel with ball bearing, for easy use also under pressure
- › air inlet 1/4" BSP
- › grease outlet thread 1/4" BSP
- › air pressure min. 3 bar (43 psi), max. 10 bar (143 psi)
- › working pressure max. 400 bar (5.800 psi)
- › capacity approx. 600 cm<sup>3</sup>/min with free discharge at 7 bar (100 psi)
- › suction tube diameter 28 mm above, 41 mm below

## Professional air-operated filler pumps for centralized lubrication

- › suitable for greases of consistency classes NLGI 0 – 3
- › for all commercial grease kegs

### Air-operated filler pumps DPZ-2 for centralized lubrication systems

09847 / 09844



#### Without trolley

09847 DPZ–2/25

09848 DPZ–2/50

09849 DPZ–2/200

#### With trolley

09844 DPZ–2/25 mobile

09843 DPZ–2/50 mobile

09850 DPZ–2/200 mobile

#### Characteristics

- › included: maintenance unit for less wear and long lasting
- › follower plate, dust cover, 2 m grease hose nom. diam. 16, 3/4" BSP, ball valve and self-closing quick coupler
- › output 700 g/min at 6 bar (87 psi)
- › middle-pressure pump with pressure ratio 1:10
- › air pressure min. 2 bar (29 psi), max. 7 bar (100 psi)
- › suction tube diam. 38 mm

*Delivery content without bucket.*

## Professional manual filler pumps for centralized lubrication

- › suitable for all greases up to consistency class NLGI 2 (also soft greases)
- › for all commercial grease kegs

### Professional manual filler pumps "Serie FGZ plus" 40673 / 40445



### Filler pump FGZ Combi plus 08761



#### Without trolley

- 40653 FGZ plus 5
- 40784 FGZ plus 10
- 40400 FGZ plus 12.5
- 40671 FGZ plus 15/18
- 40673 FGZ plus 20
- 40675 FGZ plus 25
- 40683 FGZ plus 50
- 40551 FGZ plus 200

#### With trolley

- 40444 FGZ plus 10 mobile
- 40445 FGZ plus 15/18 mobile
- 40446 FGZ plus 20 mobile
- 40447 FGZ plus 25 mobile
- 40448 FGZ plus 50 mobile

#### Characteristics

- › works also at temperatures as low as  $-20^{\circ}\text{C}$
- › extremely high suction capacity due to an especially adjusted lift of stroke and increased suction and valve openings
- › robust and wear resisting by reinforced steel lever
- › only low operating force (11 – 16 kp) required
- › follower plate, dust cover, 2 m polyamide grease hose nom. diam. 16, nylon reinforced, self-closing quick coupler  $3/8''\text{ BSP} = \text{G } 3/8''$
- › output approx.  $30\text{ cm}^3/\text{stroke}$  (1 oz)
- › suction tube diam. 40 mm

#### Without trolley

- 40662 FGZ Combi plus 15/18
- 08761 FGZ Combi plus 25
- 08765 FGZ Combi plus 50

#### With trolley

- 40449 FGZ Combi plus 25 mobile
- 40450 FGZ Combi plus 50 mobile

#### Characteristics

- › see description for FGZ plus
- › for centralized lubrication systems and centralized lubrication systems
- › follower plate, dust cover and combi connector with ball valve, 2 m polyamide grease hose nom. diam. 16, nylon reinforced, self-closing quick coupler  $3/8''\text{ BSP} = \text{G } 3/8''$



# Accessories for FGZ plus, FGZ Combi plus and DPZ

- › filling tubes
- › couplers
- › filler guns
- › retrofit kits
- › hoses
- › filler adaptors

## Filling tube 40098



For refilling of grease containers of centralized lubrication systems

**40098 Filling tube**  
with coupler plug for FGZ/DPZ

## Couplers and accessories 80431 / 80317 / 80316



**80332 Coupler socket**  
for 1/4" BSP = G 1/4" (f)  
with protection cap  
**80316 Coupler socket**  
for 3/8" BSP = G 3/8" (f)  
with protection cap

**80333 Coupler plug**  
for 1/4" BSP = G 1/4" (f)  
**80317 Coupler plug**  
for 3/8" BSP = G 3/8" (f)  
with protection cap

**80185 Double nipple** 1/4" BSP = G 1/4"

**80431 Reduction piece**  
3/8" BSP = G 3/8"  
to 1/4" BSP = G 1/4"

## Filler gun FPZ for centralized lubrication systems 40534



**40534 FPZ 500**

**41285 FPZ 500**  
with 0,4 m hose and coupling

### Characteristics

- › for quick and clean "off-site" filling of centralized lubrication systems for trucks, construction and agricultural machinery
- › suitable for standard 500 cm<sup>3</sup> (17 oz) / 400 g (14 oz) grease cartridges (DIN 1284)
- › protection cap
- › made of zinc-plated precision steel, robust and durable
- › with special rubber packing for 400 g (14 oz) grease cartridges
- › extra-large piston knob for safe handling

## Retrofit kit 40005



**40005 Retrofit kit**  
for converting FGZ into FGZ Combi plus, consisting of T-piece with filler plug and ball valve

## Alternative hose 40258



For higher flow rate  
**40258 FGZ 2 m polyamide hose nom. diam. 16, nylon reinforced,**  
with FPZ connector and protection cap

## Filler adaptor for filler gun FPZ 40154



**40153 M20 x 1,5**  
with protection cap

**40154 M22 x 1,5**  
with protection cap

**40781 M26 x 1,5**  
with protection cap

## Professional manual filler pumps for grease guns

- › suitable for greases up to consistency class NLGI 2 (also soft greases, biological lubricants and long-time greases with adhesive properties)
- › for all commercial grease kegs
- › clean, economic, air-free refilling

### Manual filler pumps FG plus 08251



### Manual filler pumps FG plus mobile 40390



- 08053 **FG plus 5** follower plate Ø 171 – 200 mm
- 08101 **FG plus 10** follower plate Ø 215 – 230 mm
- 40369 **FG plus 12.5** follower plate Ø 215 – 266 mm
- 08151 **FG plus 15/18** follower plate Ø 255 – 282 mm
- 08201 **FG plus 20** follower plate Ø 275 – 300 mm
- 08251 **FG plus 25** follower plate Ø 300 – 335 mm
- 08501 **FG plus 50** follower plate Ø 355 – 387 mm
- 40530 **FG plus 200** follower plate Ø 545 – 586 mm

#### Characteristics

- › improved suction capacity by a longer lift of stroke and increased suction and valve openings
- › solid and wear resisting by reinforced steel lever
- › complete emptying of grease keg due to special follower plate
- › dust cover and filler tube for European standard grease guns
- › suction tube diam. 40 mm
- › output approx. 50 cm<sup>3</sup>/stroke

- 40387 **FG plus 10 mobile**
- 40388 **FG plus 15/18 mobile**
- 40389 **FG plus 20 mobile**
- 40390 **FG plus 25 mobile**
- 40392 **FG plus 50 mobile**

#### Characteristics

- › improved suction capacity by a longer lift of stroke and increased suction and valve openings
- › solid and wear resisting by reinforced steel lever
- › complete emptying of grease keg due to special follower plate
- › dust cover and filler tube for European standard grease guns
- › suction tube diam. 40 mm
- › output approx. 50 cm<sup>3</sup>/stroke
- › with trolley

## Accessories for filler pumps “Serie FG plus”

- › filling adaptors
- › filling plates

### Filler tube adaptor for American standard grease guns 40548



**40548 Filler tube adaptor**  
with chain and protection cap for  
American standard grease guns

#### Characteristics

- › makes your filler pump not only compatible to European standard grease guns, but also to American standard grease guns
- › safely stored in rubber cap when not in use

### Filler plate 11101



**11101 Filler plate 150**

- › attachment plate for FG plus
- › for professional push-type grease guns and professional one-hand grease guns “PEP 100”

### Filling adaptor for screw-in cartridges 40542



**40699 FG/PAT 100**  
for 100 g screw-in cartridges

**40542 FG/PAT 500**  
for 500 g screw-in cartridges

#### Characteristics

- › helps avoiding waste due to refilling
- › fast, clean, without air pockets
- › cost-saving
- › easy handling

## Professional manual filler pumps for bearings

## Accessories for filler pumps "Serie FGL plus"

### Manual filler pumps FGL plus 40427



### Bearing plate 11102



#### 40427 FGL plus 20

#### 40435 FGL plus 50

- › improved suction capacity by a longer lift of stroke and increased suction and valve openings
- › solid and wear resisting by reinforced steel lever
- › clean, economic, air-free refilling
- › complete emptying of grease keg due to special follower plate
- › with dust cover and filler tube with bearing plate
- › for bearings up to 18 cm outer diameter, minimum inner diameter 1,5 cm
- › suction tube diam. 40 mm
- › for all commercial grease kegs
- › suitable for greases up to consistency class NLGI 2 (also soft greases)
- › output approx. 50 cm<sup>3</sup>/stroke (1,7 oz)

*Delivery content without bucket.*

#### 11102 Bearing plate

#### Characteristics

- › wheel bearing filling device for clean and quick refilling of roller bearings up to 18 cm outer diameter, minimum inner diameter 1,5 cm

## Trolleys for filler pumps and greasing units

- › steel frame, powder coated
- › floor open or closed

### Trolleys without accessories 431001 / 431000 / 81043



**431001 Trolley for 50 kg/50–60 l kegs,**  
floor open, with 2 wheels and two height-adjustable hooks

**431000 Trolley for 50 kg/50–60 l kegs,**  
floor open, with 4 wheels and two height-adjustable hooks

**81043 Trolley for 10–50 kg/10–60 l kegs,**  
floor closed, with 2 wheels and height-adjustable pump holder

**432000 Trolley for 185 kg/200 l barrels,**  
floor open, with 2 tyred wheels in front and one wheel with rear brake

**432100 Drum trolley for 200 l barrels**  
with 2 wheels

**81222 Drum dolly for 60 / 200 l barrels**  
made of steel, with 4 wheels,  
load capacity per wheel min. 75 kg (total 300 kg)

*Delivery content without barrel.*

### Trolleys with accessories 432814 / 40491



**432814 Trolley for 185 kg/200 l barrels,** floor closed, with 2 tyred wheels in front and one swivelling rubber wheel with rear brake

**40491 Trolley for 185 kg/200 l barrels,** floor closed, with 2 tyred wheels in front and 2 swivelling rubber wheels with rear brake



## Accessories for professional lever grease guns

- › grease packs and cartridges
- › extension pipes and hoses
- › adaptors
- › snap-on kit
- › filler nipple

**60 g (2,1 oz) grease cartridge  
and grease pack**  
**04082 / 04085**



**100 g (3,5 oz) screw-in grease  
cartridge**  
**40144**



**400 g (14 oz) standard grease  
cartridge (DIN 1284)**  
**01901**



**04082 Grease pack GP 1**  
**04085 Grease cartridge PAT 60**

- › 60 g (2,1 oz) grease cartridge and grease pack
- › filled with lithium base multi-purpose grease, consistency class NLGI 2
- › for clean and quick filling of professional push-type grease guns "F 60" and "K 60"

**Screw-in cartridge PAT 500**  
**82049**



**82049 Screw-in cartridge PAT 500**

### Characteristics

- › 500 g (17,5 oz) screw-in cartridge, suitable for
  - Professional two-hand grease gun PZP
  - Professional one-hand grease gun PEP 500 VARIO PAT
  - Battery grease gun AFP 500 PAT
- › filled with lithium base multiple purpose grease, consistency class NLGI 2

**40144 Grease cartridge PAT 100**  
filled with multi-purpose grease  
**40357 Refill set with 4 units of PAT 100**

- › 100 g (3,5 oz) screw-in cartridge
- › filled with lithium base grease, consistency class NLGI 2
- › for clean and quick filling of professional one-hand grease guns "PEP 200" and push-type grease guns "K 100"

**01901 Grease cartridge PAT 400**  
**81908 Grease cartridge PAT 400 EP2**  
**81093 Grease cartridge PAT 400 graphite**

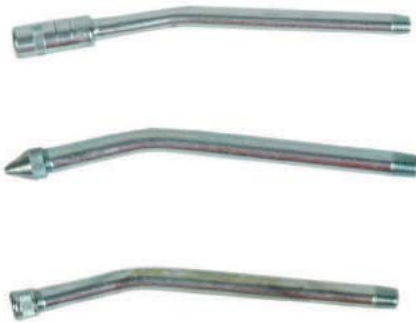
- › filled with lithium base multi-purpose grease, consistency class NLGI 2
- › suitable for
  - lever grease guns "X-TRA 701"
  - lever grease guns "X-TRA 600"
  - lever grease guns "X-TRA 709"
  - lever grease guns "Variomatic" special
  - one-hand grease guns "PEP 500"
  - pneumatic grease guns "DFP 500"
  - rechargeable grease guns "AFP 500" Econo plus

# Accessories for professional lever grease guns

- › grease packs and cartridges
- › extension pipes and hoses
- › adaptors
- › snap-on kit
- › filler nipple

## Bent extension pipes with nozzle

02007 / 02004 / 02002



### 02007 103/M

with 4-jaw Profi-nozzle (tested by DLG)

### 02037 103/BSP

with 4-jaw Profi-nozzle

### 02004 102/M

with pointed nozzle

### 02034 102/BSP

with pointed nozzle

### 02002 101/M

with all-purpose nozzle

### 02032 101/BSP

with all-purpose nozzle

#### Characteristics

- › 150 mm (6 inch)

## Bent extension pipes without nozzle

40132 / 40131

40132 150/M, bent

40131 150/BSP, bent

## Straight extension pipes with nozzle

02014 / 02006 / 02003



### 02014 103/M

with 4-jaw Profi-nozzle (tested by DLG)

### 02042 103/BSP

with 4-jaw Profi-nozzle

### 40518 103/NPT

with 4-jaw Profi-nozzle

### 02006 102/M

with pointed nozzle

### 02036 102/BSP

with pointed nozzle

### 02003 101/M

with all-purpose nozzle

### 02033 101/BSP

with all-purpose nozzle

#### Characteristics

- › straight, 150 mm (6 inch)

## Straight extension pipes without nozzle

40001 / 40002 / 40517

40001 150/M, straight

40002 150/BSP, straight

40517 150/NPT, straight

## Extension pipes with nozzle and quick coupler

11501 / 11502 / 11503 / 11504 / 11505 / 40201



11501 2010 with all-purpose nozzle

11502 2020 with pointed nozzle

11503 2060 with cardan and propeller shaft nozzle

40201 SWK with double-nozzle for hydraulic and cup-shaped grease fittings

11504 2070/M 1 with hook-on coupler for standard button-head grease fittings ø 16 mm

40316 2070/M 1 with hook-on coupler for standard button-head grease fittings ø 16 mm, 8 mm sealing cone

11505 2070/M 22 with hook-on coupler for giant button-head grease fittings ø 22 mm

40378 2070/M22 with 150/M, bent with hook-on coupler for standard button-head grease fittings ø 22 mm, 6 mm sealing cone

40508 2070/M22 with 150/M, bent with hook-on coupler for standard button-head grease fittings ø 22 mm, 8 mm sealing cone

41283 2070/M22 with 60/M, bent with hook-on coupler for standard button-head grease fittings ø 22 mm, 4 mm sealing cone

41284 2070/M22 with 60/M, straight with hook-on coupler for standard button-head grease fittings ø 22 mm, 8 mm sealing cone

40701 2070/M22 with 60/M, bent with hook-on coupler for standard button-head grease fittings ø 22 mm, 8 mm sealing cone

#### Characteristics

- › fast change of accessory
- › no unscrewing required

**Adaptors with needle nozzles**  
**80986 / 80987**



**80986 Adaptor**  
with needle nozzle (35,5 mm, ø 10 mm)  
and rubber tip 1/8" BSP, total length 50 mm

**80987 Adaptor**  
with needle nozzle (35,5 mm, ø 4 mm)  
1/8" BSP, total length 60 mm

**Adaptors with needle nozzles**  
**and quick coupler**  
**81003**



**81003 Adaptor**  
with injector needle nozzle (40 mm, ø 1,6 mm)  
and quick coupler, total length 54 mm, incl.  
protection sleeve

**Adaptors with needle nozzles**  
**and quick coupler**  
**80643 / 80714 / 80618 / 80619**



**80643 Adaptor**  
with injector needle nozzle (23 mm, ø 2 mm)  
and quick coupler, total length 60 mm

**80714 Adaptor**  
with injector needle nozzle (45 mm, ø 1,4 mm)  
and quick coupler, total length 60 mm

**80618 Adaptor**  
with needle nozzle (21 mm, ø 6 mm)  
and quick coupler, total length 51 mm

**80619 Adaptor**  
with needle nozzle (21 mm, ø 6 mm), angled  
45° and quick coupler, total length 51 mm

**Adaptor set**  
**40729**



**40729 Adaptor set**

**Characteristics**

- › consisting of:
  - 4-jaw Profi-nozzle for hydraulic grease fittings
  - pointed nozzle 23/M for hydraulic grease fittings
  - all-purpose nozzle 36/M for hydraulic grease fittings
- › connecting thread M = M 10 x 1

**Accessory set M 10 x 1**  
**41271**



**41271 Accessory set M 10 x 1**

**Characteristics**

- › consistign of:
  - 4-jaw Profi-nozzle 120/M
  - pointed nozzle M 10 x 1 with leather seal
  - all-purpose nozzle M 10 x 1 with leather seal
  - extension pipe 150/M, 150 mm (6 inch) length, bent
  - high-pressure rubber hose KS 300, 300 mm (12 inch) lenght, bursting pressure 1.000 bar (12.500 psi)

## Accessories for professional lever grease guns

- › grease packs and cartridges
- › extension pipes and hoses
- › adaptors
- › snap-on kit
- › filler nipple

### Safety high-pressure rubber hoses without nozzle 02601 / 02607 / 80487



300 mm / 12 inch  
02601 PZ 300/M  
02631 PZ 300/BSP  
81605 PZ 300/NPT

500 mm / 20 inch  
02607 PZ 500/M  
02637 PZ 500/BSP  
81606 PZ 500/NPT

1.000 mm / 39 inch  
80487 PZ 1000/M  
80488 PZ 1000/BSP

#### Characteristics

- › high operational safety, bursting pressure 1.600 bar (23.200 psi)
- › double-ply wire braid hose with identification
- › safety tested according to DIN 1283 (M 10 x 1)
- › very flexible
- › diameter 13 mm

### Safety high-pressure rubber hoses with nozzle 02501 / 40347 / 02506 / 02508



300 mm / 12 inch  
02501 110/M with 4-jaw Profi-nozzle (tested by DLG)  
02531 110/BSP with 4-jaw Profi-nozzle  
40734 110/NPT with 4-jaw Profi-nozzle

40347 114/M with hook-on coupler M 4 for button-head grease fittings ø 10 mm  
40440 114/BSP with hook-on coupler M 4 for button-head grease fittings ø 10 mm

02506 112/M with hook-on coupler M 1 for button-head grease fittings ø 16 mm  
02536 112/BSP with hook-on coupler M 1 for button-head grease fittings ø 16 mm

02508 1120/M with hook-on coupler M 22 for button-head grease fittings ø 22 mm  
02538 1120/BSP with hook-on coupler M 22 for button-head grease fittings ø 22 mm

#### Characteristics

- › high operational safety, bursting pressure 1.600 bar (23.200 psi)
- › double-ply wire braid hose with identification
- › safety tested according to DIN 1283 (M 10 x 1)
- › very flexible
- › diameter 13 mm

### Safety high-pressure rubber hoses with nozzle 02503 / 40441 / 02510 / 02512



500 mm / 20 inch  
02503 111/M with 4-jaw Profi-nozzle (tested by DLG)  
02533 111/BSP with 4-jaw Profi-nozzle

40441 115/M with hook-on coupler M 4 for button-head grease fittings ø 10 mm  
40442 115/BSP with hook-on coupler M 4 for button-head grease fittings ø 10 mm

02510 113/M with hook-on coupler M 1 for button-head grease fittings ø 16 mm  
02540 113/BSP with hook-on coupler M 1 for button-head grease fittings ø 16 mm

02512 1130/M with hook-on coupler M 22 for button-head grease fittings ø 22 mm  
02542 1130/BSP with hook-on coupler M 22 for button-head grease fittings ø 22 mm

1.000 mm / 39 inch  
02505 1110/M with 4-jaw Profi-nozzle  
40318 1110/BSP with 4-jaw Profi-nozzle

#### Characteristics

- › high operational safety, bursting pressure 1.600 bar (23.200 psi)
- › double-ply wire braid hose with identification
- › safety tested according to DIN 1283 (M 10 x 1)
- › very flexible
- › diameter 13 mm

**Safety high-pressure rubber hoses with nozzle and quick coupler**  
**02423 / 02425**



**300 mm / 12 inch**  
**02423 2200** with 4-jaw Profi-nozzle  
**02425 2210/M 1** with hook-on coupler  
 M 10 x 1  
 for standard button-head grease fittings  
 ø 16 mm  
**02426 2210/M 22** with hook-on coupler  
 M 22 for giant button-head grease fittings  
 ø 22 mm

**500 mm/20 inch**  
**40823 2500** with 4-jaw Profi-nozzle and  
 hook-on coupler M 10 x 1

**Characteristics**

- › fast change of accessory
- › no unscrewing required
- › high operational safety, bursting pressure 1.600 bar (23.200 psi)
- › double-ply wire braid rubber hose
- › very flexible
- › diameter 13 mm

**Swivel fitting**  
**02640**

**02640 640/M**  
**02641 640/BSP**

**Characteristics**

- › for safety high-pressure rubber hoses and high-pressure hoses
- › turning around longitudinal axle

**High-pressure hoses without nozzle**  
**02801 / 02803**



**300 mm / 12 inch**  
**02801 KS 300/M**  
**02831 KS 300/BSP**  
**81397 KS 300/NPT**

**500 mm / 20 inch**  
**02803 KS 500/M**  
**02833 KS 500/BSP**  
**82061 KS 500/NPT**

**1.000 mm / 39 inch**  
**81295 KS 1000/M**

**Characteristics**

- › bursting pressure 1.000 bar (14.500 psi)
- › double-ply textile thermoplastic hose
- › identification according to DIN 1283 (M 10 x 1)
- › diameter 10 mm

**High-pressure hoses without nozzle Econo plus**  
**81944**

**300 mm / 12 inch**  
**81944 KS 300/M Econo plus**  
**81943 KS 300/BSP Econo plus**

**Characteristics**

- › bursting pressure 1.000 bar (14.500 psi)
- › single-ply textile braid polyethylene hose
- › identification according to DIN 1283 (M 10 x 1)
- › diameter 9,0 mm

**High-pressure hoses with nozzle**  
**02701 / 02703**



**300 mm / 12 inch**  
**02701 910/M** with 4-jaw Profi-nozzle  
**02731 910/BSP** with 4-jaw Profi-nozzle  
**40628 910/NPT** with 4-jaw Profi-nozzle  
**02738 9120/R** with hook-on coupler M 22

**500 mm / 20 inch**  
**02703 911/M** with 4-jaw Profi-nozzle  
**02733 911/BSP** with 4-jaw Profi-nozzle  
**40475 9130/R** with hook-on coupler M 22

**Characteristics**

- › bursting pressure 1.000 bar (14.500 psi)
- › double-ply textile braid polyethylene hose
- › identification according to DIN 1283 (M 10 x 1)
- › diameter 10 mm



## Accessories for professional lever grease guns

- › grease packs and cartridges
- › extension pipes and hoses
- › adaptors
- › snap-on kit
- › filler nipple

### Professional snap-on kit SWS 07991



#### 07991 SWS

##### Characteristics

› in solid plastic box with oil-proof insert

› content:

- 1 x extension pipe 103/M, straight, with 4-jaw Profi-nozzle
- 2 x 4-jaw Profi-nozzles 120/M
- 1 x snap-on high-pressure rubber hose 2200
- 1 x snap-on extension pipe with hook-on coupler 2070/M 1
- 1 x snap-on extension pipe with double nozzle
- 1 x adaptor with 1/8" BSP (f) and M 10 x 1 (m) thread

### Accessories set trade / accessories set industry 41272 / 41273



#### 41272 Accessories set trade

content 75 Profi-nozzles, 11 different types (see table)

#### 41273 Accessories set industry

content 33 Profi-nozzles, 8 different types (see table)

	CONTENT	TRADE	INDUSTRY
07122	4-jaw Profi-nozzle 120/M	24	12
81486	4-jaw Profi-nozzle 120/M with ball check valve	8	
07131	angled nozzle 90°/M	3	
07402	hook-on coupler 121/M	4	2
07422	hook-on coupler 12/M	4	1
07412	hook-on coupler 1210/M	2	1
07012	pointed nozzle 23/M 10 x 1	5	5
07042	all-purpose nozzle 36 / M 10 x 1	5	5
02640	swivel fitting 640/M	5	2
80522	quick coupler SWK/M		5
65001	filling nipple 929/M	10	5

## 4-jaw Profi-nozzles 07122 / 07131



07122 120/M  
07123 120/BSP  
07124 120/NPT

07131 Angled nozzle 90°/M  
40459 Angled nozzle 90°/BSP

### Characteristics

- › for lubricating hydraulic grease fittings (DIN 71412)
- › 4 jaws turned out of a single piece of highly elastic quality steel forming a circle to ensure precise coupling and consistent jaw alignment with every use
- › durable elastic interior plug and high-performance spring for leak-proof operation
- › case-hardened steel jaws and upper part of coupler for less wear and more durability
- › working pressure 400 bar (5.800 psi)
- › bursting pressure 1.600 bar (23.200 psi)

## 4-jaw Profi-nozzle with check valve



81486 120/M with ball check valve  
121020 120/NPT with ball check valve  
81835 1/8" BSP with check valve  
81836 NPT with check valve

### Characteristics

- › for lubricating hydraulic grease fittings (DIN 71412)
- › spring-loaded check valve
- › avoid flowing-back of grease

## Other nozzles 07012 / 07042



As accessories for push-type grease guns series F (except F60), FO and T  
07011 23/M 9x1 pointed nozzle for cup-shaped grease fittings  
80366 23/M 9x1 extra-pointed nozzle for e.g. sprocket noses on saw chains  
07041 36/M 9x1 all-purpose nozzle for hydraulic grease fittings

### As accessories for all other grease guns

07012 23/M 10 x 1 pointed nozzle for cup-shaped grease fittings  
07013 23 1/8" BSP pointed nozzle for cup-shaped grease fittings  
07042 36/M 10 x 1 all-purpose nozzle for hydraulic grease fittings  
07043 36 1/8" BSP all-purpose nozzle for hydraulic grease fittings

## Filler nipple for professional lever grease guns 65001



65001 Filler nipple 929/M with spring

- › as spare part for "X-TRA 701", "X-TRA 600", "PEP 500", "DFP 500" and "DFP 1000"
- › thread M = M 10 x 1

## Hook-on couplers 07422 / 80451 / 80644



07422 12/M hook-on coupler for button-head grease fittings M4, ø 10 mm  
07423 12/BSP hook-on coupler for button-head grease fittings M4, ø 10 mm

07402 121/M hook-on coupler for standard button-head grease fittings M1, ø 16 mm  
07403 121/BSP hook-on coupler for standard button-head grease fittings M1, ø 16 mm

80451 122/BSP hook-on coupler, turnable, for giant button-head grease fittings M16, ø 16 mm

07412 1210/M hook-on coupler for giant button-head grease fittings M22, ø 22 mm, conical sealing nipple 8 mm  
07413 1210/BSP hook-on coupler for giant button-head grease fittings M22, ø 22 mm, conical sealing nipple 8 mm  
80644 1210/BSP hook-on coupler for giant button-head grease fittings M22, ø 22 mm, conical sealing nipple 4 mm

## Grease gun holder 80707



80707 Grease gun holder

- › for wall mounting of grease guns
- › corrosion-resistant finish

## Accessories for filler pumps and greasing units

- › greasing hoses and hose reels
- › greasing pistols
- › extension pipes
- › flow meters
- › follower plates and dust covers
- › maintenance unit

### Safety greasing hoses for HDS and WH

11374 / 40008



11374 HDS 570 4 m  
11376 HDS 570 7 m  
11377 HDS 570 10 m

#### Characteristics

- › bursting pressure 1.600 bar (23.200 psi)
- › working pressure 400 bar (5.800 psi)
- › increased inside diameter, nom. diam. 6
- › connecting thread to pistol and pump 1/4" BSP = G 1/4" (f)

For WH-units please order hose adaptor:

#### 40008 Hose adaptor WH

connecting thread 1/4" BSP = G 1/4" (f) / M 16 x 1,25 (f)

### Automatic Single arm hose reels for grease 506300 / 507300



#### Open version

##### 506300 Automatic Single arm hose reel

with 10 m delivery hose, nom. diam. 1/4" BSP = G 1/4"

##### 506321 Automatic Single arm hose reel

with 15 m delivery hose, nom. diam. 3/8" BSP = G 3/8"

#### Compact version

##### 507300 Automatic Single arm hose reel

with 10 m delivery hose, nom. diam. 1/4" BSP = G 1/4"

##### 507321 Automatic Single arm hose reel

with 15 m delivery hose, nom. diam. 3/8" BSP = G 3/8"

#### Characteristics

- › professional Single arm automatic hose reel, open or cased version, made of corrosion-proof die-cast aluminium
- › friction-free pressure-balanced swivels for all applications contribute to a smooth operation when pulling the entire hose length
- › full 1/2" port swivel provides unrestricted flow for maximum delivery
- › swivel and shaft are nickel coated for a wide fluid compatibility
- › spool mounted on two ball bearings to reduce frictions and to assure a stable structure with no wobbling
- › tangent outlet with six rollers for a smooth operation in any mounting position
- › dual ratchet teeth provide positive and secure hose latch
- › fully accessible swivel and latch mechanism for service eliminate the need to dismount the hose reel for service
- › positionable arm for best operation in any mounting position: wall, ceiling, floor or trolley
- › inlet thread 1/4" BSP (f/m) or 3/8" BSP (f/m), outlet thread 1/4" BSP (m)
- › working pressure 350 bar / 5.000 psi (1/4" hose), 290 bar / 4.000 psi (3/8" hose)
- › double-ply wire-braid greasing hose nom. diam. 1/4" BSP = G 1/4" and connecting hose

**Greasing pistol HDS  
11304**



**11304 Greasing pistol HDS**  
with extension pipe 103/M

**40373 Greasing pistol HDS 550**  
with extension pipe 103/M and Z-swivel

**Characteristics**

- › ergonomic and robust constructed
- › continuous flow of grease by actuating the lever
- › connecting thread 1/4" BSP = G 1/4"(M)

**Extension pipes and hoses  
with nozzle for HDS and WH  
02007 / 02501 / 02701**



**02007 103/M** Extension pipe  
with 4-jaw Profi-nozzle

**02701 910/M** High-pressure hose  
with 4-jaw Profi-nozzle

**02501 110/M** Safety high-pressure rubber  
hose with 4-jaw Profi-nozzle

**Characteristics**

- › connecting thread M 10 x 1

**Professional z-swivel for  
greasing pistols  
414300400**



**414300400 Z-swivel**

**80185 Double nipple**  
1/4" BSP = G 1/4"

**Characteristics**

- › connecting thread 1/4" BSP = G 1/4" (m)
- › with ball bearing for smooth operation also under pressure

## Accessories for filler pumps and greasing units

- › greasing hoses and hose reels
- › greasing pistols
- › extension pipes
- › flow meters
- › follower plates and dust covers
- › maintenance unit

### Electronic grease flow meter 40248 / 411100



### 411100 Electronic in-line grease flow meter

for assembly G 1/8" (f/f)

### 40783 Electronic grease flow meter

with extension pipe and 4-jaw Profi-nozzle  
103/BSP and with full swivel

### 40248 Electronic grease flow meter

with safety high-pressure rubber hose and  
4-jaw Profi-nozzle 110/BSP and with full swivel

#### Characteristics

- › exact control of dispensed grease in g
- › resettable LCD display, 4 digits up to 9.999 g
- › display for total delivery in kg up to  
999.999 kg for long term control of grease  
consumption
- › working pressure 500 bar (7.250 psi)
- › bursting pressure 1.000 bar (14.500 psi)
- › maximum output up to 2 kg/min (70 oz)
- › measuring accuracy +/- 3%
- › easy on-site recalibration
- › connecting thread 1/8" BSP = G 1/8" (f/f)
- › runs with two standard batteries

### Maintenance unit for HDS, DPZ-2 40888



### 40888 Maintenance unit

#### Characteristics

- › protects against wearing
- › consisting of water separator, pressure reducer  
and oiler

### Follower plate adaptor 40397



### 40396 FD-A 28

ø 28 mm suction tube diameter

### 40397 FD-A 30

ø 30 mm suction tube diameter

### 40398 FD-A 32

ø 32 mm suction tube diameter

### 40399 FD-A 35

ø 35 mm suction tube diameter



**Dust covers SD for filler pumps and manual greasing units**  
**40918**



Suitable for following grease keg outside diameters:

- 40916 SD 5** ø 160 mm – 212 mm
- 40917 SD 10–20** ø 240 mm – 300 mm
- 40918 SD 25** ø 312 mm – 342 mm
- 40919 SD 50** ø 365 mm – 415 mm
- 40920 SD 200** ø 570 mm – 625 mm

**Dust covers SDF for filler pumps with trolley**  
**80018**



Suitable for following grease keg outside diameters:

- 80017 SDF 10–20** ø 240 mm – 310 mm
- 80018 SDF 25** ø 312 mm – 342 mm
- 80019 SDF 50** ø 365 mm – 415 mm
- 80020 SDF 200** ø 570 mm – 625 mm

**Follower plates FD for filler pumps**  
**80007**



Suitable for following grease keg inside diameters:

- 80003 FD 5** for 5 kg grease kegs ø 171 mm – 200 mm
- 80004 FD 10** for 10 kg grease kegs ø 215 mm – 236 mm
- 80005 FD 15/18 special 1** for 15/18 kg grease kegs ø 230 mm – 266 mm
- 80006 FD 15** for 15 kg grease kegs ø 255 mm – 282 mm
- 80007 FD 20 special 1** for 20 kg grease kegs ø 275 mm – 300 mm
- 80010 FD 20 – 25** for 20/25 kg grease kegs ø 300 mm – 341 mm
- 80008 FD 25 special 1** for 25 kg grease kegs ø 285 mm – 332 mm
- 80009 FD 40 special 1** for 40 kg grease kegs ø 285 mm – 356 mm
- 80011 FD 50 special 1** for 50 kg grease kegs ø 315 mm – 352 mm
- 80013 FD 50** for 50 kg grease kegs ø 355 mm – 387 mm
- 80014 FD 50 special 3** for 50 kg grease kegs ø 385 mm – 410 mm
- 80015 FD 200** for 180 kg grease barrels ø 560 mm – 586 mm

## Accessories for filler pumps and greasing units

- › greasing hoses and hose reels
- › greasing pistols
- › extension pipes
- › flow meters
- › follower plates and dust covers
- › maintenance unit

### Dust cover for air-operated greasing units PM 418002



### Follower plates for air-operated greasing units PM 417005



#### Suitable for following grease keg outside diameters:

- 418013** for **12,5 – 18 kg** grease kegs  
ø 265 mm – 310 mm
- 418002** for **20 kg** grease kegs  
ø 285 mm – 330 mm
- 418004** for **50 kg** grease kegs  
ø 360 mm – 405 mm
- 418006** for **180 kg** grease barrels  
ø 565 mm – 610 mm
- 418026** for **180 kg** grease barrels  
ø 580 mm – 620 mm
- 418016** for **50 kg** grease barrels  
ø 350 mm – 395 mm

**360125** bracket for grease guns  
for dust cover PM

#### Suitable for following grease keg inside diameters:

- 417006** for **12,5 kg** grease kegs  
ø 230 mm – 260 mm
- 417001** for **18 kg** grease kegs  
ø 260 mm – 298 mm
- 417005** for **20 kg** grease kegs  
ø 300 mm – 340 mm
- 80012** for **25 kg** grease kegs  
ø 310 mm – 332 mm
- 417002** for **50 kg** grease kegs  
ø 330 mm – 370 mm
- 417003** for **50 kg** grease kegs  
ø 360 mm – 406 mm
- 417004** for **180 kg** grease barrels  
ø 550 mm – 590 mm

# Professional hydraulic grease fittings "Serie H"

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › high corrosion resistance (72 hours salt spray test)
- › RoHS compliance (trivalent chrome)
- › manufactured of precision steel, case hardened, zinc plated and blue (yellow) passivated (chrome III)

## Hydraulic grease fittings (drive-fit type) according to DIN 71412

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

### Straight 180° – type A 12110



80690 H1 a 5  
12106 H1 a 6  
12108 H1 a 8  
12110 H1 a 10

81966 H1 a 3/16"  
12118 H1 a 1/4"

#### Special types

81892 H1 a 6, collar depth 8 mm  
81648 H1 a 6, yellow passivated (chrome III), for packer  
81894 H1 a 6, shaft length 9,5 mm

### Angled 45° – type B (hexagon type) 81027



81026 H2 a 6  
81027 H2 a 8  
81028 H2 a 10

### Angled 45° – type B (square type) 12208



12206 H2 a 6  
12208 H2 a 8

### Angled 90° – type C (hexagon type) 81019



82143 H3 a 6  
81061 H3 a 8  
81019 H3 a 10

### Angled 90° – type C (square type) 12308



12306 H3 a 6  
12308 H3 a 8

## Professional hydraulic grease fittings "Serie H"

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › high corrosion resistance (72 hours salt spray test)
- › RoHS compliance (trivalent chrome)
- › manufactured of precision steel, case hardened, zinc plated and blue (yellow) passivated (chrome III)

### Hydraulic grease fittings according to DIN 71412 metric, with conical thread

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

#### Straight 180° – type A

##### 12151



**12119** H1 M 5 x 0,8

**80909** H1 M 6 x 0,75

**12112** H1 M 6 x 1

**81097** H1 M 8 x 0,75

**12131** H1 M 8 x 1

**12133** H1 M 8 x 1,25

**12151** H1 M 10 x 1

**81197** H1 M 10 x 1,25

**12152** H1 M 10 x 1,5

**81272** H1 M 12 x 1

**80634** H1 M 12 x 1,25

**12172** H1 M 12 x 1,5

**80702** H1 M 12 x 1,75

**80692** H1 M 14 x 1,5

**81216** H1 M 16 x 1,5

#### Special types

**81867** H1 M 5 x 0,5, thread length 2,8 mm

**81056** H1 M 5 x 0,8, thread length 2,6 mm, cylindrical thread, not case hardened

**81007** H1 M 5 x 0,8, low opening pressure type, with shortened spring, not case hardened

**81118** H1 M 6 x 0,75, cylindrical thread

**81677** H1 M 6 x 1, yellow passivated (chrome III)

**81656** H1 M 6 x 1, thread length 4 mm, yellow passivated (chrome III)

**12114** H1 M 6 x 1, total length 23 mm

**81008** H1 M 6 x 1, total length 28 mm

**81004** H1 M 6 x 1, low opening pressure type, with shortened spring

**81731** H1 M 6 x 1, hexagon 9 mm

**81893** H1 M 6 x 1, hexagon 9 mm, collar depth 8 mm

**80379** H1 M 6 x 1, with 32 mm-prolongation

**12113** H1 M 6 x 1, shaft length 3,5 mm

**81794** H1 M 6 x 1, hexagon 11, shaft length 5 mm

**80681** H1 M 6 x 1, cylindrical thread

**80978** H1 M 6 x 1, cylindrical thread, nickel plated

**12115** H1 M 6 x 1, cylindrical thread, thread length 8 mm

**80550** H1 M 6 x 1, cylindrical thread, flush type, thread length 8 mm

**81577** H1 M 6 x 1, cylindrical thread, flush type, thread length 8 mm, not case hardened

**80902** H1 M 6 x 1, cylindrical thread, nickel plated, thread length 8,5 mm

**81005** H1 M 6 x 1, unmounted (without ball and spring)

**81015** H1 M 7 x 1, hexagon 9 mm

**81569** H1 M 7 x 1, hexagon 9 mm (without ball and spring)

**81748** H1 M 7 x 1, hexagon 7 mm (without ball and spring)

**81854** H1 M 8 x 1, yellow passivated (chrome III)

**12132** H1 M 8 x 1, thread length 4 mm

**80416** H1 M 8 x 1, low opening pressure type, with shortened spring

**81301** H1 M 8 x 1, hexagon 11 mm

**40834** H1 M 8 x 1, with 30 mm-prolongation

**81855** H1 M 8 x 1,25, yellow passivated (chrome III)

**81861** H1 M 8 x 1,25, hexagon 10 mm

**81843** H1 M 10 x 1, yellow passivated (chrome III)

**81994** H1 M 10 x 1, with 80 mm-prolongation, tube type

**40895** H1 M 10 x 1, with 22 mm-prolongation

**40896** H1 M 10 x 1, with 36 mm-prolongation

**40835** H1 M 10 x 1, with 50 mm-prolongation

**80194** H1 M 10 x 1, total length 59 mm

**81859** H1 M 10 x 1,5, yellow passivated (chrome III)

#### Grease fittings – extensions

**81758** M 6 x 1, thread length 32 mm

**81759** M 8 x 1, thread length 30 mm

**81760** M 10 x 1, thread length 50 mm

**Angled 45° – type B  
(hexagon type)  
12251**



- 81336** H2 M 6 x 1  
**80904** H2 M 6 x 1, yellow passivated  
 (chrome III)  
**81202** H2 M 7 x 1  
**81338** H2 M 8 x 1  
**12232** H2 M 8 x 1, yellow passivated  
 (chrome III)  
**81611** H2 M 8 x 1,25  
**12234** H2 M 8 x 1,25, yellow passivated  
 (chrome III)  
**12251** H2 M 10 x 1  
**81857** H2 M 10 x 1, yellow passivated  
 (chrome III)  
**81191** H2 M 10 x 1,25  
**12252** H2 M 10 x 1,5  
**81205** H2 M 12 x 1  
**81089** H2 M 12 x 1,5  
**80703** H2 M 12 x 1,75

**Angled 45° – type B  
(square type)  
81411**



- 81411** H2 M5 x 0,8  
**81087** H2 M 6 x 0,75  
**12212** H2 M 6 x 1  
**12231** H2 M 8 x 1  
**40521** H2 M 8 x 1, yellow passivated  
 (chrome III)  
**12233** H2 M 8 x 1,25  
**12258** H2 M 10 x 1

**Angled 90° – type C  
(hexagon type)  
12351**



- 80919** H3 M 6 x 0,75  
**81337** H3 M 6 x 1  
**80728** H3 M 6 x 1, yellow passivated  
 (chrome III)  
**81203** H3 M 7 x 1  
**80127** H3 M 8 x 0,75  
**81339** H3 M 8 x 1  
**12322** H3 M 8 x 1, yellow passivated  
 (chrome III)  
**81612** H3 M 8 x 1,25  
**12334** H3 M 8 x 1,25, yellow passivated  
 (chrome III)  
**12351** H3 M 10 x 1  
**81385** H3 M 10 x 1, yellow passivated  
 (chrome III)  
**81204** H3 M 10 x 1,25  
**12352** H3 M 10 x 1,5  
**81273** H3 M 12 x 1  
**81090** H3 M 12 x 1,5  
**80704** H3 M 12 x 1,75

**Angled 30° / 67,5° /  
double-head – type B  
80667**



- 81752** H2 M 8 x 1 67,5°, hexagon type  
**81764** H2 M 10 x 1 67,5°, hexagon type  
**40864** H2 M 8 x 1 67,5°, square type  
**80667** H2 M 8 x 1 double-head, hexagon type,  
 total length 20 mm

**Angled 90° – type C  
(square type)  
81412**



- 81412** H3 M 5 x 0,8  
**12312** H3 M 6 x 1  
**12331** H3 M 8 x 1  
**12332** H3 M 8 x 1, yellow chromated  
**12333** H3 M 8 x 1,25  
**12358** H3 M 10 x 1

## Professional hydraulic grease fittings "Serie H"

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › high corrosion resistance (72 hours salt spray test)
- › RoHS compliance (trivalent chrome)
- › manufactured of precision steel, case hardened, zinc plated and blue (yellow) passivated (chrome III)

**Hydraulic grease fittings according to DIN 71412 BSP (British Standard Pipe) with conical thread**  
 manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

### Straight 180° – type A 12153



**12153** H1 1/8" BSP

**12171** H1 1/4" BSP

**12181** H1 3/8" BSP

**81918** H1 1/2" BSP

#### Special types

**81856** H1 1/8" BSP, yellow passivated (chrome III)

**81810** H1 1/8" BSP, nickel plated

**80688** H1 1/8" BSP, thread length 7 mm, not case hardened

**81763** H1 1/8" BSP, thread length 7,6 mm, lowered ball seating

**81341** H1 1/4" BSP, thread length 7,6 mm, yellow passivated (chrome III)

### Angled 45° – type B (hexagon type) 12153



**12253** H2 1/8" BSP

**81858** H2 1/8" BSP, yellow passivated (chrome III)

**81811** H2 1/8" BSP, nickel plated

**81864** H2 1/4" BSP

### Angled 90° – type C (hexagon type) 12371



**12353** H3 1/8" BSP

**12371** H3 1/4" BSP

### Angled 67,5° – type B 81135



**81135** H2 1/8" BSP 67,5°

### Angled 90° – type C (square type) 12381



**12381** H3 3/8" BSP



**Hydraulic grease fittings BSF / WWF (British Standard Fine / Whitworth Fine),  
with cylindrical thread**

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

**Straight 180° – type A  
81968**



**81968** H1 1/4" – 26 BSF/WWF  
**81076** H1 5/16" – 22 BSF/WWF  
**81016** H1 3/8" – 20 BSF/WWF

**Angled 45° – type B (hexagon  
type)  
81081**



**81081** H2 1/4" – 26 BSF/WWF  
**80139** H2 5/16" – 22 BSF/WWF

**Angled 90° – type C (hexagon  
type)  
81080**



**81080** H3 1/4" – 26 BSF/WWF

**Hydraulic grease fittings BSW / WW (British Standard Whitworth / Whitworth),  
with cylindrical thread**

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

**Straight 180° – type A  
80689**



**12116** H1 1/4" – 20 BSW/WW  
**81018** H1 5/16" – 18 BSW/WW  
**80689** H1 3/8" – 16 BSW/WW

**Angled 45° – type B (hexagon  
type)  
81030**



**81030** H2 5/16" – 18 BSW/WW

**Angled 90° – type C (hexagon  
type)  
81037**



**81037** H3 1/4" – 20 BSW/WW  
**81032** H3 5/16" – 18 BSW/WW

## Professional hydraulic grease fittings "Serie H"

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › high corrosion resistance (72 hours salt spray test)
- › RoHS compliance (trivalent chrome)
- › manufactured of precision steel, case hardened, zinc plated and blue (yellow) passivated (chrome III)

### Hydraulic grease fittings SAE / UNF (Society of Automotive Engineers / Unified Fine), with conical / cylindrical thread

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

#### Straight 180° – type A 80640



**80640** H1 1/4" – 28 UNF

**12117** H1 1/4" – 28 SAE

**81045** H1 1/4" – 28 SAE, thread length 4,5 mm

**81988** H1 1/4" – 28 SAE, total length 17,5 mm

**81791** H1 1/4" – 28 SAE, yellow passivated (chrome III), total length 17,5 mm

**12121** H1 1/4" – 28 SAE, yellow passivated (chrome III), total length 29 mm

**81475** H1 1/4" – 28 SAE, unmounted, without ball and spring

**12155** H1 5/16" – 24 SAE, yellow passivated (chrome III)

**12156** H1 3/8" – 24 SAE, yellow passivated (chrome III)

**81463** H1 1/2" – 20 SAE

#### Angled 45° – type B 12256



**12217** H2 1/4" – 28 SAE, hexagon type, yellow passivated (chrome III)

**40543** H2 1/4" – 28 SAE, square type

**81034** H2 1/4" – 28 SAE, half round

**12218** H2 1/4" – 28 SAE, half round, thread length 7,5 mm, not case hardened

**12256** H2 3/8" – 24 SAE, hexagon type

#### Angled 65° – type B 81951



**81951** H2 1/4" – 28 SAE, hexagon type

#### Angled 90° – type C (hexagon type) 12317



**12317** H3 1/4" – 28SAE

**12355** H3 5/16" – 24 SAE

**80838** H3 1/2" – 20 SAE

### Hydraulic grease fittings NPT (National Pipe Thread), with conical thread

manufactured of precision steel, case hardened, zinc plated, blue (yellow) passivated (chrome III)

#### Straight 180° – type A 81105



- 81105** H1 1/8" – 27 NPT
- 12154** H1 1/8" – 27 NPT, yellow passivated (chrome III)
- 81834** H1 1/8" – 27 NPT, yellow passivated (chrome III), total length 32 mm
- 81017** H1 1/4" – 18 NPT, yellow passivated (chrome III)
- 81022** H1 1/4" – 18 NPT, thread length 11 mm

#### Angled 45° – type B (hexagon type) 80668



- 80668** H2 1/8" – 27 NPT
- 12254** H2 1/8" – 27 NPT, yellow passivated (chrome III)
- 81024** H2 1/4" – 18 NPT

#### Angled 90° – type C (hexagon type) 80629



- 80629** H3 1/8" – 27 NPT
- 12354** H3 1/8" – 27 NPT, yellow passivated (chrome III)
- 81035** H3 1/4" – 18 NPT
- 81036** H3 1/4" – 18 NPT, half round

### Hydraulic grease fittings with self-forming thread according to DIN 71412

manufactured of precision steel, case hardened, zinc plated, yellow (blue) passivated (chrome III)

#### Straight 180° – type A 12511



- 12511** H1 SFG 6 x 1
- 80943** H1 SFG 6 x 1, blue passivated (chrome III)
- 12512** H1 SFG 8 x 1
- 12513** H1 SFG 8 x 1, thread length 3,5 mm
- 12514** H1 SFG 10 x 1
- 81000** H1 SFG 1/4" – 28 SAE

#### Angled 45° – type B 80263



- 12521** H2 SFG 6 x 1, square type
- 81845** H2 SFG 6 x 1, hexagon type
- 80263** H2 SFG 8 x 1, hexagon type
- 12522** H2 SFG 8 x 1, square type
- 12524** H2 SFG 10 x 1, square type
- 81846** H2 SFG 10 x 1, hexagon type

#### Angled 90° – type C 80273



- 80273** H3 SFG 6 x 1, hexagon type
- 12531** H3 SFG 6 x 1, square type
- 12532** H3 SFG 8 x 1, square type
- 81847** H3 SFG 8 x 1, hexagon type
- 12534-H** H3 SFG 10 x 1, square type
- 12534-I** H3 SFG 10 x 1, hexagon type

# Professional hydraulic grease fittings "Serie H"

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › manufactured of stainless steel, material no. 1.4305, AISI 303, A2

## Hydraulic grease fittings (drive-fit type) according to DIN 71412

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

### Straight 180° – type A

**80926**



**80926** H1 a 6

**80677** H1 a 8

## Hydraulic grease fittings according to DIN 71412 metric, with conical thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

### Straight 180° – type A

**80825**



**80825** H1 M 5 x 0,8

**12612** H1 M 6 x 1

**81040** H1 M 6 x 1, cylindrical thread

**80867** H1 M 6 x 1, cylindrical thread, thread length 8,5 mm

**12613** H1 M 8 x 1

**81010** H1 M 8 x 1,25

**12614** H1 M 10 x 1

**81744** H1 M 10 x 1,5

**81095** H1 M 12 x 1,5

### Angled 45° – type B

(hexagon type)

**12621**



**12621** H2 M 6 x 1

**80541** H2 M 6 x 1, cylindrical thread, thread length 8,5 mm

**81831** H2 M 8 x 1

**81934** H2 M 8 x 1,25

**12624** H2 M 10 x 1

**81020** H2 M 10 x 1,5

**81842** H2 M 12 x 1

### Angled 90° – type C

(hexagon type)

**81038**



**81038** H3 M 6 x 1

**81039** H3 M 8 x 1

**81428** H3 M 8 x 1,25

**12634** H3 M 10 x 1

**81031** H3 M 10 x 1,5

**Hydraulic grease fittings according to DIN 71412 BSP (British Standard Pipe), with conical thread**  
manufactured of stainless steel, material no. 1.4305, AISI 303, A2

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**Straight 180° – type A**  
**12615**



**Angled 45° – type B**  
**(hexagon type)**  
**12625**



**Angled 90° – type C**  
**(hexagon type)**  
**12635**



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**12615** H1 1/8" BSP  
**81234** H1 1/8" BSP, cylindrical thread,  
thread length 11 mm  
**12617** H1 1/4" BSP

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**12625** H2 1/8" BSP  
**12627** H2 1/4" BSP

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**12635** H3 1/8" BSP  
**12637** H3 1/4" BSP

**Hydraulic grease fittings BSW / WW (British Standard Whitworth / Whitworth),  
with cylindrical thread**  
manufactured of stainless steel, material no. 1.4305, AISI 303, A2

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**Straight 180° – type A**  
**81516**



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**81516** H1 1/4" – 20 BSW/WW

› manufactured of stainless steel  
› material no. 1.4305, AISI 303, A2

## Professional hydraulic grease fittings "Serie H"

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › manufactured of stainless steel, material no. 1.4305, AISI 303, A2

### Hydraulic grease fittings SAE / UNF (Society of Automotive Engineers / Unified Fine), with conical / cylindrical thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

#### Straight 180° – type A 81754



81754 H1 1/4" – 28 SAE

82010 H1 5/16" – 24 UNF

#### Angled 90° – type C (hexagon type) 81756



81756 H3 1/4" – 28 SAE

### Hydraulic grease fittings NPT (American National Pipe Taper), with conical thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

#### Straight 180° – type A 81283



81014 H1 1/8" – 27 NPT

81283 H1 1/4" – 18 NPT

#### Angled 45° – type B (hexagon type) 81029



81029 H2 1/8" – 27 NPT

#### Angled 90° – type C (hexagon type) 81001



81001 H3 1/8" – 27 NPT



## Professional hydraulic grease fittings "Serie H"

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

### Hydraulic grease fittings according to DIN 71412

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

#### Straight 180° – type A 81910



**81910** H1 a 10

- › manufactured of acid-proof steel
- › material no. 1.4401, AISI 316, A4

### Hydraulic grease fittings according to DIN 71412 metric, with conical thread

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

#### Straight 180° – type A 80869



**80869** H1 M 6 x 1

**80870** H1 M 8 x 1

**80871** H1 M 8 x 1,25

**81012** H1 M 10 x 1

**81779** H1 M 10 x 1,5

**81915** H1 M 12 x 1,5

#### Angled 45° – type B (hexagon type) 81869



**81869** H2 M 6 x 1

**81082** H2 M 8 x 1

**81796** H2 M 10 x 1

#### Angled 90° – type C (hexagon type) 81608



**81608** H3 M 6 x 1

**80678** H3 M 8 x 1

**80207** H3 M 10 x 1

## Professional hydraulic grease fittings "Serie H"

- > reliability and precision for Original Equipment Manufacturers and after-sales market
- > manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

**Hydraulic grease fittings according to DIN 71412 BSP (British Standard Pipe), with conical thread**  
 manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

**Straight 180° – type A**  
**12715**



**12715** H1 1/8" BSP

**12717** H1 1/4" BSP

**81009** H1 3/8" BSP

**Hydraulic grease fittings UNF (Unified Fine), with conical / cylindrical thread**  
 manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

**Agled 45° – type B (hexagon type)**  
**81152**



**81152** H2 1/8" BSP

**81042** H2 1/4" BSP

**Angled 90° – type C**  
**81452**



**81452** H3 1/8" BSP, hexagon type

**81708** H3 1/4" BSP, square type

**Hydraulic grease fittings NPT (National Pipe Thread), with conical thread**  
 manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

**Straight 180° – type A**  
**81941**



**81941** H1 1/4" – 28 UNF

**Straight 180° – type A**  
**80188**



**80188** H1 1/8" – 27 NPT

## Professional hydraulic grease fittings "Serie H"

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › manufactured of brass

**Hydraulic grease fittings according to DIN 71412 metric, with conical thread**  
manufactured of brass

**Straight 180° – type A**  
**81006**



**81006** H1 M 6 x 1

**12134** H1 M 8 x 1  
**81713** H1 M 8 x 1,25

**81002** H1 M 10 x 1

**80246** H1 M 12 x 1,5

**Angled 90° – type C (hexagon type)**  
**12337**



**12337** H3 M 8 x 1

**Accessories for hydraulic grease fittings**  
choice of sizes, yellow or red

**Protection caps for grease fittings**  
**80860 / 80858**



**80857** red, without hanger  
**80858** red, with hanger

**80859** yellow, without hanger  
**80860** yellow, with hanger

**Hydraulic grease fittings according to DIN 71412 BSP (British Standard Pipe), with conical thread**  
manufactured of brass

**Straight 180° – type A**  
**81066**



**81066** H1 1/8" BSP  
**80659** H1 1/8" BSP, nickel plated

**80862** H1 3/8" BSP

**Grease fittings identification rings**  
**80499 / 80732 / 80731**



**80730** red, for grease fittings with M 6 x 1 thread

**80731** red, for grease fittings with M 8 x 1 thread

**80732** red, for grease fittings with M 10 x 1 thread  
**80499** yellow, for grease fittings with 10 x 1 thread

## Professional button-head grease fittings

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › high corrosion resistance (72 hours salt spray test)
- › RoHS compliance (trivalent chrome)
- › cylindrical thread

### Button-head grease fittings "Serie M" according to DIN 3404, with metric thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

### Button-head grease fittings "Serie M" according to DIN 3404, with BSP thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

#### M4 (head diameter 10 mm) 81579



#### M4 (head diameter 10 mm) 81730



81579 M4 M 8 x 1

81730 M4 1/8" BSP

81130 M4 M 10 x 1

#### M1 (head diameter 16 mm)

81070 M1 M 6 x 1

#### M1 (head diameter 16 mm)

15175 M1 1/8" BSP

15172 M1 M 8 x 1

15176 M1 1/4" BSP

81071 M1 M 8 x 1,25

15177 M1 3/8" BSP

15173 M1 M 10 x 1

81074 M1 1/2" BSP

15178 M1 M 10 x 1,5

15174 M1 M 12 x 1,5

81072 M1 M16 x 1,5

#### M22 (head diameter 22 mm)

15225 M22 M 16 x 1,5

#### M22 (head diameter 22 mm)

81041 M22 1/8" BSP

15226 M22 1/4" BSP

80856 M22 1/4" BSP,  
with conus and rod valve

15227 M22 3/8" BSP

15228 M22 1/2" BSP

**Button-head grease fittings  
"Serie M" according to DIN  
3404, with other thread**

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

**M1 (head diameter 16 mm)  
81096**



81096 M1 1/8" NPT

**Button-head grease fittings  
"Serie M" according to DIN  
3404, with metric thread**

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

**M1 (head diameter 16 mm)  
81658**



81658 M1 M 6 x 1

80642 M1 M 8 x 1,25

15663 M1 M 10 x 1

**Button-head grease fittings  
"Serie M" according to DIN  
3404, with BSP thread**

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

**M1 (head diameter 16 mm)  
15665**



15665 M1 1/8" BSP

15666 M1 1/4" BSP

81077 M1 3/8" BSP

**M22 (head diameter 22 mm)**

81134 M22 3/8" BSP

**Button-head grease fittings  
"Serie M" according to DIN  
3404, with metric thread**

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

**M1 (head diameter 16 mm)  
81776**



81776 M1 M 10 x 1

**Button-head grease fittings  
"Serie M" according to DIN  
3404, with BSP thread**

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

**M1 (head diameter 16 mm)  
81013**



81013 M1 1/8" BSP

80685 M1 1/4" BSP

**Button-head grease fittings  
"Serie M" according to DIN  
3404, with metric thread**

manufactured of acid-proof steel, material no. 1.4401, AISI 316, A4

**M22 (head diameter 16 mm)  
80109**



80109 M22 M 16 x 1,5

# Professional button-head grease fittings

- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › high corrosion resistance (72 hours salt spray test)
- › RoHS compliance (trivalent chrome)
- › cylindrical thread

**Button-head grease fittings  
"Serie M" according to DIN  
3404, with metric thread**  
manufactured of brass

**M4 (head diameter 10 mm)  
81665**



81665 M4 M 10 x 1

**Button-head grease fittings  
"Serie M" according to DIN  
3404, with BSP thread**  
manufactured of brass

**M1 (head diameter 16 mm)  
15475**



15475 M1 1/8" BSP

15476 M1 1/4" BSP

81088 M1 3/8" BSP

**Button-head grease fittings  
"Serie T1"**  
manufactured of precision steel,  
case hardened, zinc plated, blue  
passivated (chrome III)

**With metric thread  
(head diameter 16 mm)  
81086**



81086 T1 M 8 x 1

81123 T1 M 10 x 1

80594 T1 M 12 x 1,25

**M1 (head diameter 16 mm)**

15461 M1 M 8 x 1

15473 M1 M 10 x 1

**M2 (head diameter 22 mm)**

81091 M2 3/8" BSP

**With BSP thread  
(head diameter 16 mm)  
80885**



80885 T1 1/8" BSP

80886 T1 1/4" BSP



**Button-head grease fittings  
"Serie T1B"**

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

**With metric thread  
(head diameter 16 mm)  
81083**



**81083** T1B M 6 x 1

**81125** T1B M 8 x 1,25

**81084** T1B M 10 x 1

**81969** T1B M 10 x 1,5

**Button-head grease fittings  
"Serie T1B"**

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

**With BSP thread  
(head diameter 16 mm)  
81092**



**81092** T1B 1/4" BSP

**Button-head grease fittings  
"Serie T1B"**

manufactured of brass

**With BSP thread  
(head diameter 16 mm)  
80935**



**80935** T1B 1/8" BSP

**81345** T1B 1/4" BSP

**With BSP thread  
(head diameter 16 mm)  
80718**



**80718** T1B 1/8" BSP

**80719** T1B 1/4" BSP

## Professional cup-shaped grease fittings "Serie D"

- › manufactured according to DIN 3405
- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › high corrosion resistance (72 hours salt spray test)

### Cup-shaped grease fittings (drive-fit type) according to DIN 3405

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

#### Straight 180° – type A 14104



- 14104 D1 a 4, head diameter 5 mm
- 81866 D1 a 4, head diameter 6 mm
- 14704 D1 a 5, head diameter 6 mm
- 14706 D1 a 6
- 80081 D1 a 6, collar depth 1,5 mm
- 14708 D1 a 8
- 14110 D1 a 10

#### Angled 45° – type B (square type) 14206



- 14206 D2 a 6
- 14208 D2 a 8

#### Angled 90° – type C (square type) 14306



- 14306 D3 a 6
- 14308 D3 a 8

### Cup-shaped grease fittings (drive-fit type) according to DIN 3405

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

#### Straight 180° – type A 81393



- 81786 D1 a 3,5
- 81365 D1 a 5, head diameter 6 mm
- 81393 D1 a 6

### Cup-shaped grease fittings (drive-fit type) according to DIN 3405

manufactured of brass

#### Straight 180° – type A 14406



- 81011 D1 a 4, head diameter 6 mm, collar depth 1,5 mm
- 81499 D1 a 4, head diam. 6 mm, collar depth 1,5 mm, nickel plated
- 14406 D1 a 6
- 14408 D1 a 8

### Cup-shaped grease fittings according to DIN 3405, with metric thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

#### Straight 180° – type A 14713



81260 D1 M5 x 0,8, hexagon 7 mm

14713 D1 M 6 x 1

14131 D1 M 8 x 1, hexagon 9 mm

80751 D1 M 8 x 1, hexagon 11 mm

14133 D1 M 8 x 1,25

14150 D1 M 10 x 1

#### Angled 45° – type B (square type) 14212



14212 D2 M 6 x 1

14231 D2 M 8 x 1

14233 D2 M 8 x 1,25

14251 D2 M 10 x 1

81058 D2 M 10 x 1,5

#### Angled 90° – type C (square type) 14312



14312 D3 M 6 x 1

14331 D3 M 8 x 1

81176 D3 M 10 x 1

### Cup-shaped grease fittings according to DIN 3405, with BSP thread

manufactured of precision steel, case hardened, zinc plated, blue passivated (chrome III)

#### Straight 180° – type A 14153



14153 D1 1/8" BSP

14171 D1 1/4" BSP

14181 D1 3/8" BSP

#### Angled 45° – type B (square type) 14253



14253 D2 1/8" BSP

14271 D2 1/4" BSP

#### Angled 90° – type C (square type) 14353



14353 D3 1/8" BSP

## Professional cup-shaped grease fittings "Serie D"

- › manufactured according to DIN 3405
- › reliability and precision for Original Equipment Manufacturers and after-sales market
- › high corrosion resistance (72 hours salt spray test)

### Cup-shaped grease fittings according to DIN 3405, with metric thread

manufactured of stainless steel, material no. 1.4305, AISI 303, A2

#### Straight 180° – type A 81745



81745 D1 M 6 x 1

81505 D1 M 8 x 1

80469 D1 M 8 x 1,25

### Cup-shaped grease fittings according to DIN 3405, with metric thread

manufactured of brass

#### Straight 180° – type A 14412



14412 D1 M 6 x 1

14414 D1 M 8 x 1

14415 D1 M 8 x 1,25

14450 D1 M 10 x 1

### Cup-shaped grease fittings according to DIN 3405, with BSP thread

manufactured of brass

#### Straight 180° – type A 14453



14453 D1 1/8" BSP

## Professional grease fitting tools

## Professional packaging for grease fittings

- › 10 up to 1.000 pieces of grease fittings
- › plastic bags
- › cardboard boxes
- › plastic assortment boxes

### Grease fitting tools 80984 / 80925



**80984 Grease fitting tool for 1/4" 28 SAE**

**80868 Grease fitting tool for 1/8" NPT**

**80925 Grease fitting tool for 5",  
125 mm for cleaning, with hose**

### Standard bulk plastic bags



#### "Serie H"

› Straight 180°: per 1.000 pieces in sturdy plastic bag, provided with Hallbauer-branded self-adhesive label indicating quantity, type description, article number, date of packaging.

› Angled 45° / 90°: per 500 pieces in sturdy plastic bag, labelling as above.

#### "Serie D"

› Straight 180°: per 1.000 pieces in sturdy plastic bag, provided with Hallbauer-branded self-adhesive label indicating quantity, type description, article number, date of packaging.

› Angled 45° / 90°: per 500 pieces in sturdy plastic bag, labelling as above.

#### "Serie M", "Serie T1", "Serie T1B"

› M4 (head diameter 10 mm): per 100 pieces in sturdy plastic bag, provided with Hallbauer-branded self-adhesive label indicating quantity, type description, article number, date of packaging.

› M1 (head diameter 16 mm), T1, T1B: per 250 pieces in sturdy plastic bag, labelling as above.

› M22 (head diameter 22 mm): per 500 pieces in sturdy plastic bag, labelling as above.

## Professional packaging for grease fittings

- › 10 up to 1.000 pieces of grease fittings
- › plastic bags
- › cardboard boxes
- › plastic assortment boxes

### Standard retail plastic bags – ready to shelf 12995



Standard retail bags are available for all grease fitting types. Standard packaged bags consist of sturdy plastic bag according to packaging size (per 10, 20 or 50 pieces of one type or assortment) and cardboard Euro slot hanger provided with self-adhesive label indicating article code, short description, symbolic photograph, quantity, colour Hallbauer logo and barcode. Standard cardboard Euro slot hangers are Hallbauer branded.

Standard retail plastic bags packaged by 100 pieces are without Euro slot hanger. Surcharge on bulk rate for packaging and branding applies.

M22 (head diameter 22 mm): per 500 pieces in sturdy plastic bag, labelling as above.

### Customized retail plastic bags – ready to shelf

Customer branded retail plastic bags are available for all grease fitting types. Customized bags feature individually printed cardboard Euro slot hanger provided with self-adhesive label indicating Hallbauer article code and/or customized article code, Hallbauer and/or customized short description, symbolic photograph on request, quantity, colour company logo and barcode on request.

Customized retail plastic bags packaged by 100 pieces are without Euro slot hanger. Surcharge on bulk rate for packaging and branding applies.

### Standard retail folding cardboard boxes



Standard retail folding cardboard boxes are available for all grease fittings types. Standard packaged boxes are made of sturdy white cardboard and are available in three sizes:

box A (79 x 38 x 50 mm)  
box B (79 x 53 x 50 mm)  
box C (105 x 78 x 50 mm)  
according to packaging size  
(per 10, 20, 50 or 100 pieces).

The folding cardboard boxes are provided with self-adhesive labels indicating article code, short description, symbolic photograph, quantity, colour Hallbauer logo and barcode.

Surcharge on bulk rate for packaging applies.

### Customized retail folding cardboard boxes

Customized retail folding cardboard boxes are available for all grease fittings types. Customized packaged boxes are made of sturdy white cardboard and are available in three sizes:

box A (79 x 38 x 50 mm)  
box B (79x 53 x 50 mm)  
box C (105 x 78 x 50 mm)  
according to packaging size  
(per 20, 50 or 100 pieces).

The customized folding cardboard boxes are provided with self-adhesive labels indicating Hallbauer article code and/or customized article code, Hallbauer and/or customized short description, symbolic photograph, quantity, colour company logo and barcode on request.

Surcharge on bulk rate for packaging applies.



## Professional packaging for grease fittings

- › 10 up to 1.000 pieces of grease fittings
- › plastic bags
- › cardboard boxes
- › plastic assortment boxes

### Standard retail assortment plastic boxes 12990



### Customized retail assortment plastic boxes

Customer branded assortment boxes are available in four sizes (10 or 12 compartments for approx. 100 up to 500 grease fittings). Customized inlet cartons included.

Surcharge on standard assortment boxes for branding applies.

#### 80298 SSK 110 Econo plus - hexagon type

(110 pieces / 10 different types of hydraulic grease fittings DIN 71412, see list below)

#### 40182 SSK 120 - hexagon type

(120 pieces / 12 different types of hydraulic grease fittings DIN 71412, see list below)

#### 40181 SSK 120 neutral - hexagon type

(120 pieces / 12 different types of hydraulic grease fittings DIN 71412, see list below)

#### 12991 SSK 230 - hexagon type

(230 pieces / 12 different types of hydraulic grease fittings DIN 71412, see list below)

#### 12992 SSK 475 - hexagon type

(475 pieces / 12 different types of hydraulic grease fittings DIN 71412, see list below)

INHALT	SSK 110	SSK 120	SSK 230	SSK 475
H1 M 6 x 1	30	30	50	100
H1 M 8 x 1	20	20	50	75
H1 M 10 x 1	10	10	25	50
H1 R 1/8"	10	10	25	50
H2 M 6 x 1	5	5	10	30
H2 M 8 x 1	10	10	10	30
H2 M 10 x 1		5	10	20
H2 R 1/8"	5	5	10	20
H3 M 6 x 1	5	5	10	30
H3 M 8 x 1	10	10	10	30
H3 M 10 x 1		5	10	20
H3 R 1/8"	5	5	10	20



The multi-purpose pumps are suitable for a easy filling and dispensing.

# **SIMPLE, BUT ESSENTIAL – THE LITTLE USEFUL HELPERS.**

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## **Fresh oil technology – Powerful and versatile.**

We all know the plastic measures, funnels, oil cans, hand pumps or suction guns which you find in every garage, workshop, farm, manufacturing company and household. Agreed, they are technically not very demanding, but what would we do without them?

We would be pretty helpless. Therefore we start our fresh oil section with these "little useful helpers".

Like the plastic measuring jugs which may carry your private label or the one of your customers if you want to use them as promotion item or the single and double acting suction guns for changing the oil of outdoor power equipment.

A wide range of hand pumps is waiting for you from low budget "Give away-pumps" to hand pumps for high-viscosity oils which still work when it is getting cold outside or else dispensers for motor and gear oil with electronic hose end meters. They are indeed very economic when operated with bulk oil.



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**A wide range of hand and other  
pumps waiting for you.**

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## 02 Fresh Oil

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## Professional suction and filler guns

- › made of steel
- › choice of sizes and accessories

## Professional multi-purpose pumps

### Suction and filler guns

06015 / 40498 / 40617 / 40618



### Multiple-purpose pumps

“MZE-02” and “MZE-04”

80418



- 06010 SFP 250 – 250 cm<sup>3</sup> (8,5 oz) without accessories
- 06011 SFP 500 – 500 cm<sup>3</sup> (17 oz) without accessories
- 06014 SFP 1000 – 1.000 cm<sup>3</sup> (34 oz) without accessories

#### Sets

- 40472 Set SFP 250 with suction tube, straight, nom. diam. 9
- 40498 Set SFP 250 with plastic hose, nom. diam. 9
- 40473 Set SFP 500 with suction tube, straight, nom. diam. 9
- 40535 Set SFP 500 with plastic hose, nom. diam. 4
- 40617 Set SFP 500 with plastic hose, nom. diam. 9
- 40474 Set SFP 1000 with suction tube, straight, nom. diam. 9
- 40618 Set SFP 1000 with plastic hose, nom. diam. 9

- 06015 Set SFP 500 with double valve and 2 plastic hoses, nom. diam. 9, 500 mm, double-acting

#### Choice of accessories

- 40076 Plastic hose nom. diam. 4 x 1/8" BSP, 500 mm, for suction through dip stick tube
- 40077 Plastic hose nom. diam. 9 x 1/8" BSP, 300 mm
- 40078 Suction tube, straight, nom. diam. 6,5 x 1/8" BSP, 300 mm
- 40079 Suction tube, bent, nom. diam. 6,5 x 1/8 BSP, 300 mm

#### Characteristics

- › made of steel
- › choice of sizes and accessories

- 09500 MZE-02 with 0,75 m plastic hose, nom. diam 16, and metall suction tube

- 80418 MZE-04 with 1 m plastic hose and plastic suction tube

#### Characteristics

- › hand pump for diesel fuel, heating oil, hydraulic, motor oil and undiluted radiator antifreeze
- › for 200 l barrels
- › lockable (only MZE-04)
- › plastic hose and outlet spout
- › suction tube
- › output 0,2 l/stroke (MZE-02) or 0,4 l/stroke (MZE-04)



## Professional multi-purpose pumps

- › hand-operated multi-purpose pumps
- › suitable for oils and other different liquids (see below)

### Multi-purpose pump "MZ-05"/ "MZA-03" Econo plus 09513



**81769 MZA-05**  
output 0,5 l/stroke with bent outlet tube

**09512 MZP-05**  
output 0,5 l/stroke with 1,5 m rubber hose and outlet spout

**09513 MZG-05**  
output 0,5 l/stroke with outlet tube and 1,5 m plastic hose and ball valve

**305000 MZA-03/200**  
for 20/25 l canisters, 50 l and 200 l barrels  
output 0,3 l/stroke with bent outlet tube

#### Characteristics

- › easy filling and dispensing
- › suitable for diesel fuel, heating-, hydraulic-, motor- and gear oil up to SAE 140 and undiluted radiator antifreeze
- › for 50/60 l and 200 l barrels
- › telescopic suction tube
- › output 0,5 l/stroke or 0,3 l/stroke

### Lever pump "HP-05/25-200" for oils 09513



**300009 "HP-05/25-200" for oils**

#### Characteristics

- › pump housing and telescopic suction tube made of polypropylen
- › packings made of Viton®
- › suitable for oil, diesel and water
- › for 20/25 l canisters, 50 l and 200 l barrels
- › connecting thread 2", bent outlet spout
- › output 0,5 l/cycle (approx. 16 l/min)

### Multi-purpose impeller pump "MZF-03" 40688



**40688 MZF-03/200**

**40689 MZF-03/50**  
with barrel pump support 2" BSP  
for 50/60 l barrels

#### Characteristics

- › very solid for permanent application
- › double-acting impeller wheel pump
- › suitable for diesel fuel, heating oil, hydraulic and motor oil
- › for 50/60 l and 200 l barrels
- › suction tube 3/4" BSP
- › 2 m plastic hose with outlet spout
- › output 0,3 l/double stroke

*Delivery content without barrel.*

## Professional hand pumps for oils

- › for motor and/or gear oil
- › for different types of barrels

### Multiple-purpose rotary pump "MZR-04" Econo plus 308300



**308300 MZR-04/200**  
for 200 l barrels  
with adjustable bung adaptor  
with 1 m plastic hose with outlet spout

**40493 1 m plastic hose**  
nom. diam. 25, with outlet spout

#### Characteristics

- › made of cast iron
- › solid, efficient and leak-proof
- › suitable for motor- and gear oil
- › self-priming
- › for 200 l barrels
- › metal suction tube, bent spout
- › output 0,4 l/rotation

*Delivery content without barrel.*

### Multi-purpose rotary pump "MZR-04 Alu" 40207



**80445 MZR-04/200 ALU**  
for 200 l barrels  
with adjustable bung adaptor

**40207 Set MZR-04/200 ALU**  
for 200 l barrels  
with adjustable bung adaptor  
with 1 m plastic hose with outlet spout

#### Characteristics

- › very solid and self-priming
- › made of aluminium
- › suitable for diesel fuel, heating oil, hydraulic, motor and gear oil
- › for 200 l barrels
- › metal suction tube (3 pieces), bent spout
- › output 0,4 l/rotation

*Delivery content without barrel.*

### Professional lubricant dispenser "Serie DA" 325000



With capacity of 25 l  
**325010 DAZ 25 – mobile**  
with electronic flow meter

**325000 DA 25 – mobile**

With capacity of 70 l  
**326010 DAZ 70 – mobile**  
with electronic flow meter

**326000 DA 70 – mobile**

#### Characteristics

- › specially suitable for high-viscosity motor and gear oil up to SAE 140
- › with lever piston pump, 1,5 m rubber delivery hose with shut-off valve and bent outlet tube
- › mobile with wheels
- › capacity 25 l and 70 l
- › output 0,12 l/stroke



## Professional hand pumps for oils

- › for motor and/or gear oil
- › for different types of barrels

### Semi-rotary gear oil pump "MZR-A" 41006



81937 MZR-A/50

41006 MZR-A/50 – mobile  
with trolley and pump support

#### Characteristics

- › solid and efficient
- › for gear oil
- › for 50/60 l barrels
- › 2" BSP bung adaptor
- › suction tube 570 mm
- › 2 m delivery hose with shut-off valve and bent outlet spout
- › output 0,25 l/stroke

### Mobile gear oil pump "DVM" 320200



320200 DVM-60  
for 60 l barrels

#### Characteristics

- › specially suitable for high-viscosity motor and gear oils up to SAE 140
- › lever piston pump
- › 1,5 m rubber delivery hose with shut-off valve and bent outlet spout
- › trolley for 20 l or 50/60 l barrels
- › pump support with 2" bung adaptor
- › output 0,12 l/stroke

### Gear oil pump "DV" 320400



320400 DV-16

#### Characteristics

- › container capacity 16 l
- › portable
- › 1,5 m delivery hose with shut-off valve and bent outlet spout for gear oil
- › output 0,12 l/stroke

## Trolleys for filler pumps and greasing units

steel frame, powder coated  
floor open or closed

### Trolleys without accessories 431001 / 431000 / 81043



**431001 Trolley for 50 kg / 50–60 l kegs,**  
floor open, with 2 wheels and two height-adjustable hooks

**431000 Trolley for 50 kg / 50–60 l kegs,**  
floor open, with 4 wheels and two height-adjustable hooks

**81043 Trolley for 10–50 kg / 10–60 l kegs,**  
floor closed, with 2 wheels and height-adjustable pump holder

**432000 Trolley for 185 kg / 200 l barrels,**  
floor open, with 2 tyred wheels in front and one wheel with rear brake

**432100 Drum trolley for 200 l barrels**  
with 2 wheels

**81222 Drum dolly for 60 / 200 l barrels**  
made of steel, with 4 wheels,  
load capacity per wheel min. 75 kg (total 300 kg)

*Delivery content without barrel.*

### Trolleys with accessories 432814 / 40491



**432814 Trolley for 185 kg / 200 l barrels,** floor closed, with 2 tyred rubber wheels in front and one swivelling rubber wheel with rear brake

**40491 Trolley for 185 kg / 200 l barrels,** floor closed, with 2 tyred rubber wheels in front and 2 swivelling rubber wheels with rear brake

## Professional measures

- › made of polyethylen or galvanized sheet steel
- › with handle
- › with scaling

### Measures "Serie KMF" 29410



- 29410 KMF 1000 – 1 l
- 29420 KMF 2000 – 2 l
- 29430 KMF 3000 – 3 l
- 29450 KMF 5000 – 5 l

#### Characteristics

- › made of polyethylen
- › temperature resistance -60° C up to +80° C
- › handle and screwed-on flexible outlet spout
- › transparent for visual control of filling level
- › with black lid

### Measures "Serie KMB" 82094 / 81420



- 82094 KMB 100 – 100 ml
- 81417 KMB 250 – 250 ml
- 81418 KMB 500 – 500 ml
- 81419 KMB 1000 – 1.000 ml
- 81420 KMB 2000 – 2.000 ml
- 81421 KMB 3000 – 3.000 ml
- 81422 KMB 5000 – 5.000 ml

#### Characteristics

- › made of polypropylene
- › temperature resistance -10° C up to +100° C
- › confort grip, pouring edge
- › easy stackable
- › transparent for visual control of filling level
- › scale in millilitres

### Measures "Serie WMK" 29220 / 80989



- 29110 WMK 1000 – 1 l
- 29220 WMK 2000 – 2 l
- 80988 WMK 5000 – 5 l
- 80989 WMK 10000 – 10 l
- 82054 WMK 20000 – 20 l

**41298 Set WMK** with WMK 1000 and WMK 2000

#### Characteristics

- › made of galvanized sheet steel
- › appropriate for calibration
- › deformation resistant due to improved wall thickness
- › increased stability
- › heat-resistant rigid metal outlet, funnel-shaped and stable in form

### Customized plastic measures



#### Characteristics

- › see above
- › choice of colours
- › customized logo-print (1 to 4 colours)
- › minimum order quantity 500 units

### Plastic measures set "Serie KMB" 40860



#### 40860 Set KMB

#### Characteristics

- › set consisting of
  - KMB 500 – 500 ml
  - KMB 1000 – 1.000 ml
  - KMB 2000 – 2.000 ml
- › temperature resistance -10° C up to +100° C

## Professional metal funnels

- › made of metal or galvanized sheet steel
- › hand grip
- › brass filter
- › diameter from 160 up to 200 mm

### Funnel WTW 160 30320



30320 WTW 160 – ø 160 mm

#### Characteristics

- › made of metal
- › 45 cm bent metal outlet tube
- › brass filter

### Funnel “Serie WT” 30018



30018 WT 160 – ø 160 mm  
81568 WT 200 – ø 200 mm

#### Characteristics

- › made of metal
- › rigid outlet tube made of polyethylene, orange
- › removable brass filter

### Funnel “Serie WKT” 30218



30218 WKT 160 – ø 160 mm  
80960 WKT 200 – ø 200 mm

#### Characteristics

- › made of galvanized sheet steel
- › rigid outlet tube made of polyethylene, orange
- › removable for WKT 160
- › norigid outlet tube for WKT 200
- › 28 cm flexible metal outlet tube, removable
- › removable brass filter
- › handle

### Flexible outlet tube for metal funnels

82103



82103 Flexible outlet tube WFA  
for WT, WKT und WKT 200

#### Characteristics

- › 28 cm metal outlet tube
- › removable
- › 90° bendable

## Professional plastic funnels yellow / white / grey

- › made of polyethylen
- › funnels with outlet tube
- › filter made of polyethylen, brass or stainless steel
- › diameter from 100 up to 350 mm

### Funnel KT 100, 190, 230 yellow or white 30100 / 30190



- 30100 KT 100 yellow – ø 100 mm**  
round type
- 30190 KT 190 white – ø 190 mm**  
oval type, recessed grip, food-safe
- 30230 KT 230 white – ø 230 mm**  
oval type, recessed grip, food-safe

#### Characteristics

- › temperature resistance -60° C up to +80° C
- › transparent
- › removable flexible outlet tube
- › polyethylene filter
- › food-safe

### Funnel KT 300 grey 30300



- 30300 KT 300 grey – 285 x 195**  
square type

#### Characteristics

- › diameter of the feed opening in mm 285 x 195
- › height 310 mm
- › rigid outlet tube
- › removable brass filter
- › temperature resistance -10° C up to +75° C
- › **not** food-safe

### Funnel KT 350 white 82055



- 82055 KT 350 white – 350 mm x 210 mm**  
round type

#### Characteristics

- › stable hand grip
- › rigid outlet tube
- › stainless steel filter
- › temperature resistance -20° C up to +70° C

### Flexible outlet tube for plastic measures and funnels 30331



- 30331 Flexible outlet tube**  
for KMF 1000 - 3000, KT 100 and KT 190  
170 mm length, incl. screw connect

- 30332 Flexible outlet tube**  
for KMF 5000 and KT 230  
280 mm length, incl. screw connect

### Brass filter for funnels 30331



- 80983 Brass filter**  
suitable for KT 300

## Professional plastic funnels orange / yellow / red

- › made of polyethylen
- › suitable for oil and chemicals
- › different funnels with or without filter
- › diameter from 50 up to 275 mm

### Funnel KT 50-150 orange 81544



- 81434 KT 50 orange – ø 50 mm
- 81435 KT 75 orange – ø 75 mm
- 81543 KT 100 orange – ø 100 mm
- 81544 KT 120 orange – ø 120 mm
- 81562 KT 150 orange – ø 150 mm

#### Characteristics

- › rigid outlet tube
- › grip tag
- › food-safe

### Funnel KT 115 orange 82051



#### 82051 KT 115 orange – ø 115 mm oil can funnel

#### Characteristics

- › total height 160 mm
- › suitable for oil cans
- › rigid outlet tube, without filter
- › grip tag
- › temperature resistance -20° C up to +80° C
- › food-safe

### Funnel KT 160 orange 81563



#### 81563 KT 160 orange – ø 160 mm

#### Characteristics

- › rigid outlet tube
- › stable hand grip
- › removable filter, made of stainless steel
- › temperature resistance -20° C up to +80° C

### Funnel KTF160 orange 81161



#### 81161 KTF 160 orange – ø 160 mm

#### Characteristics

- › removable bent rigid outlet tube (300 mm)
- › stable hand grip
- › removable filter, made of stainless steel
- › temperature resistance -20° C up to +80° C

### Funnel KTW 160 orange 81160



#### 81160 KTW 160 orange – ø 160 mm

#### Characteristics

- › rigid outlet tube (300 mm)
- › grip tag
- › removable filter, made of stainless steel
- › temperature resistance -20° C up to +80° C

### Funnel KT 195 orange 81564



#### 81564 KT 195 orange – ø 195 mm

#### Characteristics

- › rigid outlet tube
- › grip tag
- › removable filter, made of stainless steel
- › temperature resistance -20° C up to +80° C

## Professional plastic funnels orange / yellow / red

- › made of polyethylen
- › suitable for oil and chemicals
- › different funnels with or without filter
- › diameter from 50 up to 275 mm

### Funnel KT 250 orange 81565



#### 81565 KT 250 orange – ø 250 mm

##### Characteristics

- › rigid outlet tube
- › stable hand grip
- › removable filter, made of stainless steel
- › temperature resistance -20° C up to +80° C

### Funnel KTAÖ 250 red 80515



#### 80515 KTAÖ 250 red – ø 250 mm without outlet tube

##### Characteristics

- › cover and hand grip tag, lockable
- › connection thread G 2" a, zinc die-cast
- › ideal for collecting waste oils or other used liquids in existing containers

### Plastic funnels set „Serie KT orange 81552



#### 81162 Set KT 4 orange (4 sizes) set consisting of ø 50, 75, 100 and 120 mm

#### 81557 Set KT 5 orange (5 sizes) set consisting of ø 50, 75, 100, 120 and 150 mm

#### 81552 Set KT 6 orange (6 sizes) set consisting of ø 50, 75, 100, 120, 150 and 160 mm

##### Characteristics

- › KT 50 - 150 with rigid outlet tube and grip tag
- › KT 160 with removable filter made of stainless steel, rigid outlet tube and hand grip
- › food-safe

#### 82142 Filter for funnel orange

##### Eigenschaften

- › made of stainless steel
- › for funnel KT 160, KT 195, KT 250, KTF 160 and KTW 160

### Funnel KT 275 yellow with cover 81559



#### 81559 KT 275 yellow – ø 275 mm with cover, without outlet tube

##### Characteristics

- › temperature resistance -10° C up to +75° C
- › protective cover and barrel venting
- › suitable for 200 l barrels
- › ideal for collecting waste oils or other used liquids in existing containers
- › height incl. cover 380 mm (barrel mounted 260 mm)
- › ø cover 290 mm, height cover 55 mm
- › without outlet tube
- › connection thread 2" BSP
- › suitable for oil and chemicals
- › temperature resistance -10° C up to + 75° C



## Professional dispensing bottle

## Professional oilers

- › body made of polyethylene
- › capacity 125 cm<sup>3</sup> (4,3 oz) up to 1.000 cm<sup>3</sup> (34 oz)

### Dispensing bottle LAB 81168



**81168 LAB 500 – 500 ml**

#### Characteristics

- › dispensing bottle made of polyethylene
- › transparent
- › with angled dispensing spout, transparent, made of polyethylene
- › suitable for filling car batteries

### Oiler "Serie D" 81050 / 82124



**27015 D 125 – 125 cm<sup>3</sup> (4,3 oz)**  
**27030 D 250 – 250 cm<sup>3</sup> (8,5 oz)**  
**81050 D 500 – 500 cm<sup>3</sup> (17 oz)**

**82137 D 125 – 125 cm<sup>3</sup> (4,3 oz) plastic**  
**82124 D 250 – 250 cm<sup>3</sup> (8,5 oz) plastic**  
**82138 D 500 – 500 cm<sup>3</sup> (17 oz) plastic**

#### Characteristics

- › squeeze oilers
- › telescopic rigid outlet tube made of brass, with closeable nozzle, or rigid plastic spout
- › capacity up to 500 cm<sup>3</sup> (17 oz)

### Oiler "Serie S" and "Serie SW" 27117 / 27217



**27117 S 200 – 200 cm<sup>3</sup> (7 oz)**  
**27130 S 300 – 300 cm<sup>3</sup> (10 oz)**  
**81147 S 500 – 500 cm<sup>3</sup> (17 oz)**

**27217 SW 200 – 200 cm<sup>3</sup> (7 oz)**  
**27230 SW 300 – 300 cm<sup>3</sup> (10 oz)**  
**81146 SW 500 – 500 cm<sup>3</sup> (17 oz)**

#### Characteristics

- › splash oilers
- › pumping device
- › rigid or flexible metal outlet tube
- › closed handle for safe handling
- › capacity 200 cm<sup>3</sup> (7 oz) up to 500 cm<sup>3</sup> (17 oz)

### Oiler "Serie DW" 80949



**80949 DW 75 – 75 ml**

#### Characteristics

- › tool-box oiler
- › transparent
- › closeable brass spout with integral leather gasket
- › capacity 75 ml

### Oiler "Serie DF" 81547



**81547 DF 75 – 75 ml**

#### Characteristics

- › bellows-oiler
- › transparent
- › orange screw nozzle
- › outlet and protection cap
- › capacity 75 ml

## Professional oilers

- › body made of polyethylene
- › capacity 200 cm<sup>3</sup> (7 oz) up to 1.000 cm<sup>3</sup> (34 oz)

## Professional measures sets

### Oiler "Serie MSK" 28125



- 28125 MSK 300 – 300 cm<sup>3</sup> (10 oz)
- 28140 MSK 500 – 500 cm<sup>3</sup> (17 oz)

#### Characteristics

- › metal splash oiler, pumping device made of polyethylene
- › rigid and flexible metal outlet tube
- › closed handle for safe handling
- › capacity 300 cm<sup>3</sup> (10 oz) or 500 cm<sup>3</sup> (17 oz)

### Measures set 41299



#### 41299 Plastic measure set

#### Characteristics

- › funnel WT 200 (ø 200 mm, galvanized sheet steel, rigid outlet tube)
- › measure WMK 2000 (2 l, galvanized sheet steel, increased stability)
- › splash oiler MSM 500 (500 cm<sup>3</sup> / 17 oz, metall, rigid and flexible outlet tube)

### Oiler "Serie MSM" 28025



- 81187 MSM 200 – 200 cm<sup>3</sup> (7 oz)
- 28025 MSM 300 – 300 cm<sup>3</sup> (10 oz)
- 28040 MSM 500 – 500 cm<sup>3</sup> (17 oz)
- 81261 MSM 750 – 750 cm<sup>3</sup> (25,4 oz)
- 81262 MSM 1000 – 1.000 cm<sup>3</sup> (34 oz)

#### Characteristics

- › metal splash oiler
- › pumping device made of brass
- › rigid and flexible metal outlet tube
- › closed handle for safe handling
- › capacity 200 cm<sup>3</sup> (7 oz) up to 1.000 cm<sup>3</sup> (34 oz)

### Measures set acid 41300



#### 41300 Plastic measures set acid

#### Characteristics

- › 3 x measure "serie KMB": 0,5 l, 1 l and 2 l
- › 6 x funnel "serie KT": ø 50, ø 75, ø 100, ø 120, ø 150 and ø 160 mm
- › 1 x splash oiler SW 300, capacity 300 cm<sup>3</sup> (10 oz)

## Professional car sets

## Professional sprayers

- › made of polyethylene
- › sprayer head made of brass
- › capacity 750 ml up to 2.000 ml

### Set for car care and oil change 40368

### “Serie KIZ” 81406 / 82065 / 82066



#### 40368 Set for car care and oil change

##### Characteristics

- › multi-purpose tube MZW 6, PE, 6 l, ø 350 mm
- › measure KMF 1000, 1 l, flexible outlet tube
- › oil can funnel KT 115, orange, ø 115 mm
- › rigid outlet tube suitable for fill opening of car motors
- › sprayer KIZ 750

#### 81406 KIZ 750 – 750 ml

sprayer head with closable nozzle made of brass (external polyethylene), seals made of EPDM

#### 82065 KIZ 1000 – 1.000 ml

air pressurized, sprayer head with nozzle and suction tube made of brass, seals made of Viton®

#### 82066 KIZ 2000 – 2.000 ml

air pressurized, sprayer head with nozzle and suction tube made of brass, seals made of Viton®

##### Characteristics

- › transparent
- › sprayer head with adjustable and closeable nozzle
- › KIZ 750 suitable for
  - rust removers and low viscosity oils
  - self-lubricating and not self-lubricating liquids
  - For cleaning liquids
  - less aggressive cleaners
- › KIZ 1000 and KIZ 2000 suitable for
  - self-lubricating liquids, i.e. low viscosity oils and diesel
  - rust removers or antirust- and anticorrosion liquids
  - liquids for impregnation, forming oils, release agents and wall paper solver
  - contact spray liquids and other not self-lubricating liquids
  - low aggressive solvents- and cleaning agents
  - biological and chemical pesticides
  - liquid weed killer
- › suitable for **non-explosive** liquids only

### Filling set 41277



#### 41277 Filling set

##### Characteristics

- › measure KMF 2000, 2 l, flexible outlet tube
- › funnel KT 195, orange, ø 195 mm, with removable filter, made of stainless steel, rigid outlet tube and grip tag e





03 DIESEL

Usage of our Dieselmatic® plus pumps for fast filling with diesel fuel.

# DIESEL FUEL OR ADBLUE®. REFUEL WITH US!

## Our diesel range: made for your requirements.

The agricultural and construction machines are growing bigger and their tanks accordingly. Therefore you have a need for electric pumps with an adequate output. This is why our 12 V/24 V-electric pumps "Dieselmatic®" as well as their 230 V-versions with flow rates between 35 and 80 liters diesel fuel per minute help you to reduce the time for refueling, allowing you more working hours.

Almost all of our "Dieselmatic®" pumps are equipped with automatic delivery pistols which shut off automatically when the tank is full. Our electric pumps are self-priming, i.e. they do not need to be prefilled. Design and configuration meet your professional requirements: oil-proof electric cable, foot valve and strainer, protection against self-emptying of your diesel container, professional hose end fittings, conically sealing fittings, diesel-proof hoses, integrated by-pass, support for automatic delivery pistol and – last but not least – easy mounting.

AdBlue® has its share in the reduction of pollutant emissions of diesel fuelled vehicles – an issue which we take very seriously. For this reason

we have adapted and developed our hand and electric pump range to the specialized requirements of AdBlue®. By the way, these pumps are also suitable for IBC-tanks using a CDS-/SEC-connector.



**Agricultural machines are  
growing bigger and need  
electric pumps.**



# 03 Diesel

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## Professional electric pumps for diesel fuel with 12 or 24 V

- › self-priming electric pump without pre-filling
- › suction hose with foot strainer
- › delivery hose
- › oil-proof connecting cable with alligator clips

**Dieselmatic® 35**  
35 l/min  
80277



**80277 Dieselmatic® 35 type E 12 V**  
with plastic delivery pistol

**40255 Dieselmatic® 35 type S 12 V**  
with automatic delivery pistol AP 60

**80493 Dieselmatic® 35 type E 24 V**  
with plastic delivery pistol

**40256 Dieselmatic® 35 type S 24 V**  
with automatic delivery pistol AP 60

### Characteristics

- › self-priming electric pump without pre-filling
- › plastic delivery pistol (type E) or automatic delivery pistol (type S)
- › illuminated on-/off-switch
- › 2" BSP connector for barrels and tanks
- › 3,5 m suction hose with foot strainer, nom. diam. 19, 3/4" BSP
- › 1,25 m delivery hose, nom. diam. 19, 3/4" BSP
- › 1,25 m oil-proof connecting cable with alligator clips
- › 9 A, IP 44, engine power 0,11 kW (12 V), 6 A, IP 44, engine power 0,14 kW (24 V)
- › output approx. 35 l/min with free discharge

**Dieselmatic® 40**  
40 l/min  
09866 with 40200



**09723 Dieselmatic® 40 type E 12 V**  
with metal delivery pistol

**09722 Dieselmatic® 40 type S 12 V**  
with automatic delivery pistol AP 80

**09865 Dieselmatic® 40 type E 24 V**  
with metal delivery pistol

**09866 Dieselmatic® 40 type S 24 V**  
with automatic delivery pistol AP 80

**40200 Digital flow meter**  
for Dieselmatic® 40

### Characteristics

- › self-priming electric pump without pre-filling with bypass for diesel fuel and heating oil
- › specially designed for on-site refilling of agricultural and construction vehicles or machinery
- › 2" BSP connector for barrels and tanks
- › 1,5 m suction hose with foot strainer, nom. diam. 25, 1" BSP
- › 4 m delivery hose, nom. diam. 25, 1" BSP
- › 1,5 m oil-proof connecting cable with alligator clips
- › 16 A, IP 55, engine power 0,14 kW (12 V), 13 A, IP 55, engine power 0,16 kW (24 V)
- › output approx. 40 l/min with free discharge

**Dieselmatic® 80**  
80 l/min  
40681



**40681 Dieselmatic® 80 type S 12 V**  
with automatic delivery pistol AP 80

**40155 Dieselmatic® 80 type S 12 V**  
with automatic delivery pistol AP 80 and flow meter

**40266 Dieselmatic® 80 type S 24 V**  
with automatic delivery pistol AP 80

**40156 Dieselmatic® 80 type S 24 V**  
with automatic delivery pistol AP 80 and flow meter

**40725 Digital flow meter**  
for Dieselmatic® 80

### Characteristics

- › self priming electric pump without pre-filling, with by-pass for diesel fuel
- › operating cycle 30 min.
- › automatic delivery pistol
- › on-/off-switch
- › 2" BSP connector for barrels and tanks
- › 1,6 m suction hose with foot strainer, nom. diam. 25, 1" BSP
- › 4 m delivery hose, nom. diam. 25, 1" BSP
- › 2 m oil-proof connecting cable with alligator clips
- › 24 A, IP 55, engine power 0,48 kW (12 V), 21 A, IP 55, engine power 0,72 kW (24 V)
- › output approx. 80 l/min with free discharge



## Professional electric pumps for diesel fuel with 230 V

- › self-priming electric pump without pre-filling for refilling with diesel fuel
- › suction tube or hose with foot strainer or foot valve
- › delivery hose
- › oil-proof connecting cable with alligator clips

### Dieselmatic® plus 35 35 l/min 40159 with 40015



**81891 Dieselmatic® plus 35 type E**  
with plastic delivery pistol

**40159 Dieselmatic® plus 35 type S**  
with automatic delivery pistol AP 60

**40015 Electronic flow meter**  
for automatic delivery pistol AP 60 for Dieselmatic® plus 35

#### Characteristics

- › self-priming electric pump without pre-filling for refilling with diesel fuel
- › plastic delivery pistol (type E) or automatic delivery pistol (type S)
- › 2" BSP connector for barrels and tanks
- › illuminated on / off switch
- › 1,5 m telescopic suction tube with filter, ø 17,5 mm, made of plastic
- › 2,5 m rubber delivery hose with foot strainer, nom. diam. 19, 3/4" BSP
- › 2 m oil-proof connecting cable with plug, ready to use
- › 230 V, 50 Hz, 1 A, IP 44, engine power 0,22 kW
- › output approx. 35 l/min with free discharge

### Dieselmatic® plus 60 60 l/min 40545



**40544 Dieselmatic® plus 60 type E**  
with metal delivery pistol

**40545 Dieselmatic® plus 60 type S**  
with automatic delivery pistol AP 60

**40818 Dieselmatic® plus 60 type S**  
with automatic delivery pistol AP 60 and digital flow meter

**40813 Digital flow meter**  
for Dieselmatic® plus 60

#### Characteristics

- › self-priming electric pump without pre-filling, with by-pass for the fast filling with diesel fuel or heating oil
- › built in: safety lifting valve
- › 2" BSP connector for barrels and tanks
- › 1,6 m suction hose with foot valve and strainer, nom. diam. 25, 1" BSP
- › 4 m delivery hose, nom. diam. 25, 3/4" BSP
- › illuminated on / off switch
- › delivery pistol support AP 60 for type S
- › 3 m oil-proof connecting cable with plug, ready to use
- › metal delivery pistol (type E) or automatic delivery pistol (type S)
- › 230 V, 50 Hz, 2,2 A, IP 55, engine power 0,37 kW
- › output approx. 60 l/min with free discharge

### Dieselmatic® plus 70 70 l/min 40815



**40831 Dieselmatic® plus 70 type S**  
with automatic delivery pistol AP 90

**40815 Dieselmatic® plus 70 type S**  
with automatic delivery pistol AP 90 and digital flow meter

**40813 Digital flow meter**  
for Dieselmatic® plus 70

#### Characteristics

- › self-priming electric pump without pre-filling, with by-pass for the fast filling with diesel fuel or heating oil
- › automatic delivery pistol
- › safety lifting valve
- › 2" BSP connector for barrels and tanks
- › 1,6 m suction hose with foot valve and strainer, nom. diam. 25, 1" BSP
- › 4 m delivery hose, nom. diam. 25, 1" BSP with professional hose end fittings
- › illuminated on / off switch
- › delivery pistol support AP 90
- › 3 m oil-proof connecting cable with plug, ready to use
- › 230 V, 50 Hz, 2,2 A, IP 55, engine power 0,55 kW
- › output approx. 70 l/min with free discharge

## Professional pumps for urea solution AdBlue®

- › manual or electronic pumps
- › suitable for AdBlue®

### Stainless steel manual pump "EP-02" 80746



**80746 EP 02/20-60**  
with bung adaptor for plastic canisters with female thread

**80747 EP 02/200**  
with 2" BSP bung adaptor

#### Characteristics

- › for 20 – 60 l or 200 l barrels
- › appropriate for aggressive chemicals
- › teflon sealings
- › output approx. 0,25 l/stroke
- › 2" BSP connection

### Rotary pump 308200



**308200 MZR-04/200 Blue** with suction tube  
**40298 MZR-04/200 Blue**  
with CDS-/SEC-adaptor for IBC-containers and 2 m PVC-hose (without suction tube)  
**40292 MZR-04/200 Blue**  
with Mauser-adaptor, 2 m PVC-hose and suction tube

**40724 2 m PVC-hose** with pourer  
**41307 3 m PVC-hose** with pourer

**81990 Adaptor 2" BSP (f) x 2" BSP (m)**  
for coarse thread type Mauser  
**09618 Tri-Sure 2 adaptor**

#### Characteristics

- › for 200 l barrels
- › made of polypropylene
- › output approx. 0,25 l/stroke

### Accessories Bluematic maxi

**40520 Electronic flow meter 1"**  
measuring accuracy +/- 0,5%, 8 - 110 l/min  
**366010 Electronic flow meter 1/2"**,  
measuring accuracy +/- 0,5%, 1 - 50 l/min

**560901 CDS-/SEC connector**  
for IBC-containers

**80289 Automatic delivery pistol**  
stainless steel, for Bluematic maxi, with swivel

**80937 Plastic delivery pistol**  
for Bluematic maxi, with swivel

### Electric pump "Bluematic" maxi type S 40240



#### For IBC-containers

**40243 Bluematic maxi type S**  
**40239 Bluematic maxi type S**  
with electronic flow meter  
**40242 Bluematic maxi type S**  
with CDS-/SEC-connector for IBC-containers  
**40240 Bluematic maxi type S**  
with CDS-/SEC-connector for IBC-containers and electronic flow meter

#### Für plastic barrels

**41291 Bluematic maxi type E**  
**41292 Bluematic maxi type E**  
with electronic flow meter  
**41293 Bluematic maxi type S**  
**41294 Bluematic maxi type S**  
with electronic flow meter

#### Characteristics

- › self-priming stainless steel pump
- › automatic delivery pistol (type S) or plastic delivery pistol (type E)
- › version for plastic barrels with gun holder
- › 4 m delivery plastic textile hose, nom. diam. 19, 3/4" with hose end fittings
- › suction hose nom. diam. 19
  - 1 m, with foot valve and hose end fittings (40242, 40240, 40188), or
  - 1 m, with hose end fittings (41291, 41292, 41293, 41294), or
  - 2,5 m, with foot valve and hose end fittings (40243, 40239)
- › 230 V, 50 Hz, 2,4 A, IP44, engine power 0,37 kW
- › output approx. 40 l/min with free discharge

## Professional pumps for urea solution AdBlue®

- › manual or electronic pumps
- › suitable for AdBlue®

### Lever pump "HP-05/25-200" AdBlue® 300006



#### 300006 HP-05/25-200 for AdBlue®

**40334 Set HP-05/25-200 for AdBlue®**  
with G 2" a barrel adaptor and 2 m PVC-hose (with pourer)

#### Characteristics

- › pump housing and telescopic suction tube made of polypropylen
- › packings made of EPDM
- › suitable for water, windshield water fluid, antifreeze, detergents, agricultural chemicals, DEF and AdBlue®
- › extreme operational, extremely efficient
- › for 20/25 l canisters, 50 l and 200 l barrels
- › connecting thread 2", bent outlet spout
- › output 0,5 l/cycle (approx. 16 l/min)

#### Accessories HP-05/25-200

- 40724 2 m PVC-hose** with pourer
- 41307 3 m PVC-hose** with pourer

### Elektropumpe Bluematic EMP 560304400



#### Bluematic EMP

#### Characteristics

- › self priming multi-diaphragm pump with no mechanical seals designed for dispensing AdBlue®
- › Bluematic EMP with 12 V (engine power 0,14 kW), 24 V (engine power 0,2 kW) or 230 V (engine power 0,4 kW)
- › inlet/outlet connection 1" BSP (M)
- › maximum continuous run 30 minutes
- › maximum delivery up to 32 l/min with free discharge
- › EDPM suction hose, 3/4", EDPM delivery hose 4,0 m x 3/4" and connecting clip
- › automatic (stainless steel) or manual (thermoplastic) nozzle
- › accessories listed in the following table

#### Bluematic EMP variations

ART.NO.	DESIGNATION	SUCTION HOSE ....WITH	FUEL NOZZLE	BRACKET	METER
560310400	EMP-12 V Basic for trolleys	2,5 m foot valve	plastic	no	no
560320400	EMP-24 V Basic for trolleys	2,5 m foot valve	plastic	no	no
560300400	EMP-230 V Basic for trolleys	2,5 m foot valve	plastic	no	no
560305400	EMP-230 V Basic mobile	2 m CDS-/SEC-adaptor	plastic	no	no
560301400	EMP 230 V for IBC/barrel (steel)	1 m CDS-/SEC-adaptor	plastic	yes	no
560306400	EMP-230 V Basic for trolleys	2 m CDS-/SEC-adaptor	automatic	no	yes
560303400	EMP-230 V for IBC/barrel (steel)	1 m CDS-/SEC-adaptor	automatic	yes	no
560304400	EMP-230 V Basic for IBC/barrel (steel)	1 m CDS-/SEC-adaptor	automatic	yes	yes

## Mobile dispenser for AdBlue®

- › fully compatibles with Urea/AdBlue® solutions
- › „Directflo®“ double diaphragm air operated pump (polypropylene body and PTE diaphragms) or electrical pump EMP
- › optional with reel

## AdBlue®-accessories

### Mobile dispenser for AdBlue® 557952400 / 560307400



### Accessories for AdBlue® 569003 / 569006 / 560905 / 40157 / 82148



#### with diaphragm pump „Directflo®“ DF 30

**557952 Mobile dispenser with DF 30, automatic nozzle and hose reel for air**  
automatic nozzle with reduced discharge, max. 10 l/min, 15 m hose reel for air, serie 500

**557952400 Mobile dispenser with DF 30, nozzle Elaflex and hose reel for air**  
automatic nozzle, version Elaflex ZVA, 15 m hose reel for air, serie 500

**557953 Mobile dispenser with DF 30 und automatic nozzle**  
automatic nozzle with reduced discharge, max. 10 l/min

#### with electric pump EMP 230 V

**560307 Mobile dispenser with EMP 200 V, automatic nozzle and cable reel**  
automatic nozzle with reduced discharge, max. 10 l/min, 15 m cable reel

**560307400 Mobile dispenser with EMP 200 V, nozzle Elaflex and cable reel**  
automatic nozzle, version Elaflex ZVA, 15 m cable reel

**560308 Mobile dispenser with EMP 200 V and automatic nozzle**  
automatic nozzle with reduced discharge, max. 10 l/min

#### Characteristics

- › heavy-duty drum trolley for 200 l drums
- › output approx. 4 - 30 l/min
- › in-line meter with digital display
- › automatic nozzle with limited outlet (max. 10 l/min)
- › 0,7 m suction hose, G 3/4"
- › 3 m delivery hose, G 3/4"
- › drum connector

#### Automatic nozzles

**569003 Automatic nozzle** for the fuelling of commercial vehicles and transporter

**569005 Automatic nozzle** with swivel, for the fuelling of cars, (max. 10 l/min.)

**569006 Automatic nozzle** version Elaflex, 1", suitable for DF pumps

#### Hoses / suction tubes

**560905 Hose set for IBC**

3 m, with PVC hose and IBC adaptor 1"

**930505 EPDM hose** ø 13 x 4

**930507 EPDM hose** ø 19 x 4,5

**80477 EPDM hose** ø 16 x 4

**80727 PVC hose** ø 19 x 4

#### Pump holder

**360131 Holder DF** for DF 30, 50, 100

**360137 Holder** for 200 l barrels

**40157 Holder** for IBC

**82148 Holder** for 200 l plastic container, including gun holder

#### Suction tube

**560906 Suction tube** for CDS-/ SEC connector with 2" Tri-Sure

# Spare parts and accessories for diesel fuel pumps

- › delivery pistols
- › delivery and suction hoses
- › flow meter
- › hose reels
- › adaptors

## Dieselmatic®

35 40 80 plus 35 plus 60 plus 70  
12/24 V 12/24 V 12/24 V

### Delivery pistols

**40009**

Metal delivery pistol, 3/4" BSP



**40010**

Metal delivery pistol, 1" BSP



**40011**

Automatic delivery pistol AP 60, ø 24 mm, 3/4" BSP with swivel



**40519**

Automatic delivery pistol AP 80, ø 27 mm, 1" BSP with swivel



**40033**

Automatic delivery pistol AP 90, ø 24 mm, 1" BSP with swivel



**688100**

Automatic delivery pistol AP 120, ø 29 mm, 1" BSP with swivel



### Delivery hose

**40017**

4 m delivery hose, nom. diam. 19, 3/4" BSP  
80478 1 m additional delivery hose



**40018**

4 m delivery hose, nom. diam. 25, 1" BSP  
80479 1 m additional delivery hose



### Suction hose

**40021**

1,6 m suction hose, nom. diam. 25, 1" BSP



35  
12/24 V

40  
12/24 V

80  
12/24 V

plus 35

plus 60

plus 70

**Flow meter**

**40813**

**Digital flow meter,**  
3/4" BSP mechanical,  
resettable, display of  
flow rate and total  
delivery, vertical flow direction



**40200**

**Digital flow meter,**  
1" BSP mechanical,  
resettable, display of flow rate  
and total delivery, vertical flow  
direction



**40725**

**Digital flow meter,**  
1" BSP mechanical,  
resettable, display of flow rate  
and total delivery, horizontal  
flow direction



**40015**

**Electronic flow  
meter, 3/4" BSP**  
resettable, display of  
flow rate and total  
delivery



**Automatic hose reel**

**508225**

**Automatic hose reel**  
Single arm  
with 15 m delivery hose,  
nom. diam. 25, 1" BSP



**2" BSP (m) adaptor**

**81696**

**2" BSP (m) adaptor**  
for barrels and tanks



**Delivery pistol**

**40595**

**Delivery pistol**  
support AP 60



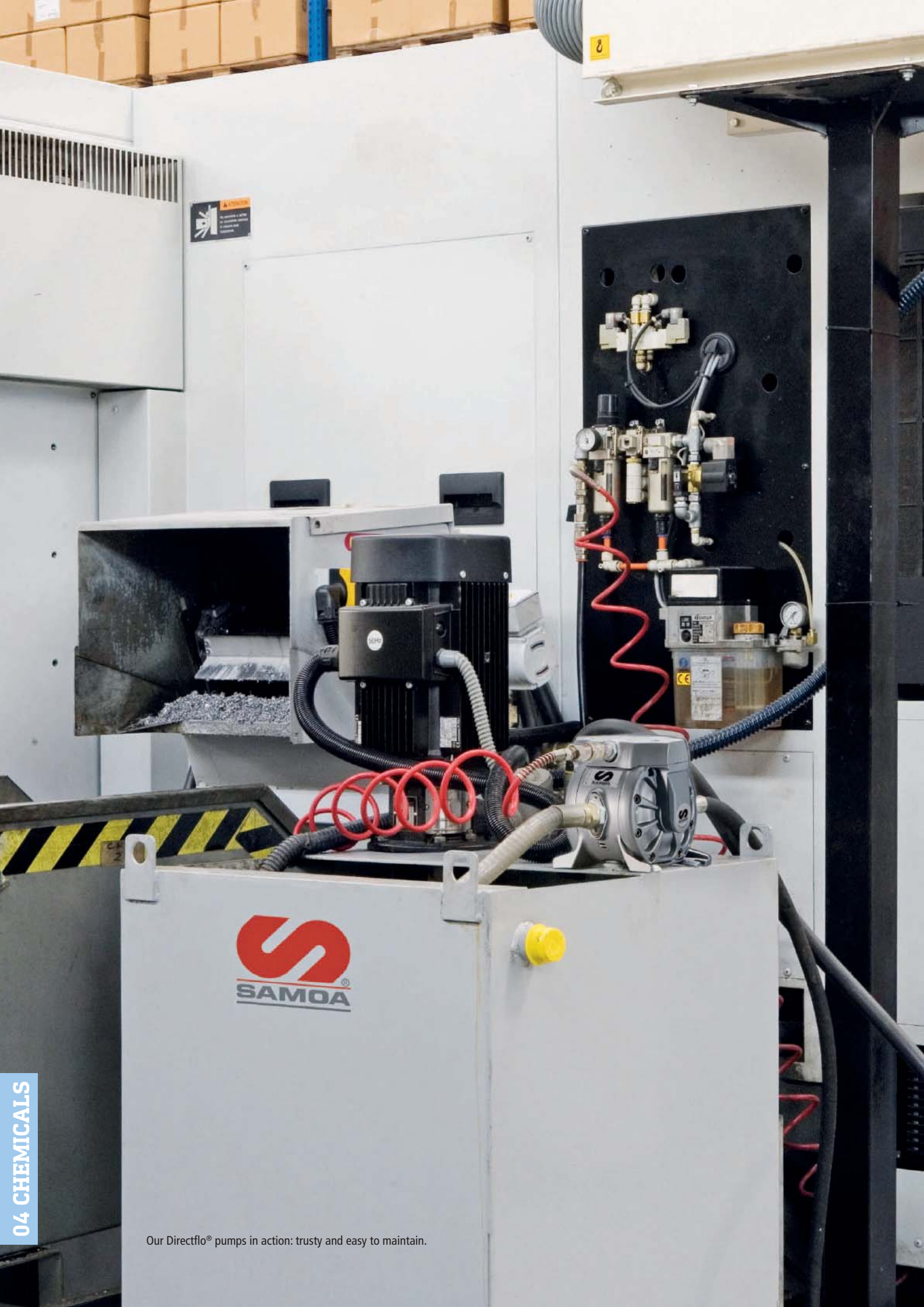
**Wall mounting bracket**

**40030**

**Wall mounting  
bracket** with assembly  
kit, connection hose  
and 2" BSP adaptor







Our Directflo® pumps in action: trusty and easy to maintain.





## NOT EASY, BUT FEASIBLE.

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### **Directflo®-pumps and much more.**

In this section we would like to open a new chapter about pumping, measuring and dosing of fluids by presenting to you our range of new pneumatic pumps which can be used for automotive fluids like antifreeze and windshield cleaner or chemicals fluids like paint solvents, detergents, alcohols etc.

Before doing so, though, we would like to introduce you to our range of "little useful helpers" like measures made of polypropylene and multi-purpose pumps made of plastic for paint thinners, detergents, antifreeze, acids etc.

"Last but not least" you will find at the end of this chapter our programme for the handling of epoxy resins as used in the concrete repair business.

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**For the usage of selected  
chemical fluids.**

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# 04 Chemicals

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## Professional hand pumps for chemicals

- › for different types of chemicals (please ask for list of suitable chemicals)
- › for barrels up to 200 l

### Siphon pump 300100 / 300101



**300100 Syphon pump 25 l**  
for 25 l canisters with 0,5 m plastic hose and 390 mm suction tube

**300101 Syphon pump 200 l**  
for 200 l barrels with 1,2 m plastic hose, hose holder, G 2" a barrel adaptor and 850 mm suction tube

#### Characteristics

- › extreme operational, extremely efficient
- › suitable for kerosene, light oils, light diesel, light solvents, toluene, non drinking water, etc.
- › wetted parts:
  - Polyethylene (HD)
  - Stainless Steel
  - EVA
- › barrel plug
- › flow rate 0,1 l/stroke (300100) or 0,3 l/stroke (300101)
- › maximum flow rate 7 l/min (300100) or 19 l/min (300101) with siphoning effect

### Syphon pump for chemistry 300103 / 300104



**300103 Syphon pump chemistry 25 l**  
for 25 l canisters with 0,5 m plastic hose and 390 mm suction tube

**300104 Syphon pump chemistry 200 l**  
for 200 l barrels with 1,2 m plastic hose, hose holder, G 2" a barrel adaptor and 850 mm suction tube

#### Characteristics

- › extreme operational, extremely efficient
- › suitable for kerosene, light oils, light diesel, light solvents, toluene, non drinking water, thinner, hydrochloric acid (35 %), nitric acid (35 %), sulfuric acid (35 %), acetic acid (35 %)
- › wetted parts:
  - Polyethylene (HD)
  - Stainless Steel
- › flow rate 0,1 l/stroke (300103) or 0,3 l/stroke (300104)
- › maximum flow rate 7 l/min (300103) or 19 l/min (300104) with siphoning effect

### Multi-pump "MP-04" 09604



**09604 MP-04/50**  
for strong acid-based chemicals and cleaners

**09614 MP-04/200**  
for strong acid-based chemicals and cleaners

**09605 MP-04/50 super**  
premium pump for special applications, e.g. for dissolvent, paint thinner

**09615 MP-04/200 super**  
premium pump for special applications, e.g. for dissolvent, paint thinner

**40082 2 m rubber hose**  
with outlet spout for MP-04 and MP-04 super

**09619 Universal adaptor**  
for 50/60 l barrels and other containers without thread

#### Characteristics

- › for special applications, extremely efficient
- › for diluent, cleaner, antifreeze, acids, fertilizer etc. (please ask for list of suitable chemicals)
- › bent spout, 2" BSP bung adaptor
- › 470 mm (MP-04/50) or 950 mm (MP-04/200) suction tube length
- › output 0,25 l/stroke

## Professional hand pumps for chemicals

- › for different types of chemicals (please ask for list of suitable chemicals)
- › for barrels up to 200 l

### Hand pump "LMP-05" and "LVP-05"

09531



#### 09531 LMP-05 for dissolvent

with 2 m rubber hose and ball valve with outlet spout

#### 40371 LMP-05 electrically conductive

with 1,5 m electrically conductive hose for two-stroke fuel-oil mixture

#### 40057 LVP-05 for paint thinner

with 2 m rubber hose and ball valve with outlet spout

#### Characteristics

- › versatile, high output
- › suitable for dissolvent, paint thinner etc. (please ask for list of suitable chemicals)
- › with Viton sealings
- › for 200 l barrels
- › telescopic suction tube
- › output 0,5 l/stroke

### Stainless steel hand pump "EP-02"

80746



#### 80746 EP 02/20-60

with bung adaptor for plastic canisters with female thread

#### 80747 EP 02/200

with 2" BSP bung adaptor

#### Characteristics

- › for 20 – 60 l or 200 l barrels
- › appropriate for aggressive chemicals
- › teflon sealings
- › output approx. 0,2 l/stroke
- › 2" BSP connection

### Lever pump "HP-05/25-200" AdBlue®

300006



#### 300006 HP-05/25-200 for AdBlue®

#### 40334 Set HP-05/25-200 for AdBlue®

with G 2" a barrel adaptor and 2 m PVC-hose (with pourer)

#### Characteristics

- › pump housing and telescopic suction tube made of polypropylen
- › packings made of EPDM
- › suitable for water, windshield water fluid, antifreeze, detergents, agricultural chemicals, DEF and AdBlue®
- › extreme operational, extremely efficient
- › for 20/25 l canisters, 50 l and 200 l barrels
- › connecting thread 2", bent outlet spout
- › output 0,5 l/cycle (approx. 16 l/min)

#### Accessories HP-05/25-200

40724 2 m PVC-hose with pourer

41307 3 m PVC-hose with pourer

## Professional pneumatic pumps for chemicals

- › very versatile pumps
- › suitable for many liquids (please ask for list of suitable chemicals)

### “Fluidmaster 1” DP-C 1:1 330100



### “Fluidmaster 2” DP-C/NI 1:1 601202



#### 330100 “Fluidmaster 1” DP-C 1:1

##### Characteristics

“Fluidmaster 1” DP-C 1:1 is a low pressure transfer pump for slightly corrosive chemicals with low viscosity such as paint solvents, cleaning fluids, antifreeze (glycol), detergents, grease removers, alcohols, turpentine, petrochemical products, anticorrosion products, light inks, lacquer, wood varnish etc.

- › pressure ratio 1:1
- › air piston diameter 36 mm
- › air piston stroke 80 mm
- › maximum output 15 l/min<sup>1</sup>
- › minimum air pressure 2 bar (29 psi)
- › maximum air pressure 8 bar (115 psi)
- › maximum fluid pressure 8 bar (115 psi)
- › air inlet 1/4" BSP (f) with needle valve
- › fluid outlet 3/8" BSP (m)
- › fluid inlet 3/8" BSP (f) with adaptor for suction hose nom. diam. 1/2" BSP
- › 3/4" BSP (m) bung adaptor
- › wetted parts aluminum, stainless steel, chromium steel, PTFE, Viton

#### 601202 “Fluidmaster 2” DP-C/NI 1:1

##### Characteristics

“Fluidmaster 2” DP-C/NI 1:1 is a double-acting low pressure pump with high output. “Fluidmaster 2” DP-C/NI 1:1 pneumatic pumps are suitable only for antifreeze solvents on base of glycol (diluted or undiluted). Pumps can be used as transfer pumps or in pipeline systems with automatic hose reels and electronic hose end meters.

- › pressure ratio 1:1
- › suction tube diameter 52 mm
- › air piston diameter 51 mm
- › air piston stroke 75 mm
- › maximum output 55 l/min<sup>1</sup>
- › minimum air pressure 3 bar (45 psi)
- › maximum air pressure 10 bar (145 psi)
- › maximum fluid pressure 10 bar (145 psi)
- › air inlet 1/4" BSPT(f)
- › fluid outlet 3/4" BSP (f)
- › fluid inlet 1" BSP (f)
- › 2" BSP height-adjustable bung adaptor
- › wetted parts nickel-coated aluminum, steel, stainless steel, acetal, polyurethane

<sup>1</sup> with free discharge at 7 bar (100 psi) air inlet pressure, using water

## Professional pneumatic pumps for chemicals

- › very versatile pumps
- › suitable for many liquids (please ask for list of suitable chemicals)

### “Fluidmaster 2” DP-C 1:1 331120



#### 331120 “Fluidmaster 2” DP-C 1:1

##### Characteristics

“Fluidmaster 2” DP-C 1:1 is a double-acting low pressure pump with high output manufactured in AISI 316 stainless steel. “Fluidmaster 2” DP-C 1:1 air-operated pumps can be used as transfer pumps or in pipeline systems with several outlets even with simultaneous operation.

Pumps are suitable for slightly corrosive fluids with low viscosity such as paint solvents, cleaning fluids, antifreeze (glycol), detergents, grease removers, alcohols, turpentine, petrochemical products, anticorrosion products, light inks, lacquer, wood varnish etc.

##### Technical data

- › pressure ratio 1:1
- › suction tube diameter 52 mm
- › air piston diameter 51 mm
- › air piston stroke 75 mm
- › maximum output 38 l/min<sup>1</sup>
- › minimum air pressure 3 bar (45 psi)
- › maximum air pressure 10 bar (145 psi)
- › air inlet 3/4" BSP (f)
- › fluid outlet 3/8" BSP (f)
- › fluid inlet 1" BSP (f)
- › 2" BSP height-adjustable bung adaptor
- › wetted parts acid-proof steel AISI 316, PTFE, Viton®

### “Fluidmaster 4” DP-C 3:1 333120



#### 333120 “Fluidmaster 4” DP-C 3:1

##### Characteristics

“Fluidmaster 4” DP-C 3:1 is a double-acting medium pressure pump with high output manufactured in AISI 316 stainless steel. “Fluidmaster 4” pneumatic pumps can be used in large pipeline systems with automatic hose reels and electronic hose end meters with several outlets even with simultaneous operation.

Pumps are suitable for slightly corrosive fluids with low viscosity such as paint solvents, cleaning fluids, antifreeze (glycol), detergents, grease removers, alcohols, turpentine, petrochemical products, anticorrosion products, light inks, lacquer, wood varnish e etc.

##### Technical data

- › pressure ratio 3:1
- › suction tube diameter 52 mm
- › air piston diameter 88 mm
- › air piston stroke 100 mm
- › maximum output 45 l/min<sup>1</sup>
- › minimum air pressure 3 bar (45 psi)
- › maximum air pressure 10 bar (145 psi)
- › maximum fluid pressure 30 bar (435 psi)
- › air inlet 3/8" BSP (f)
- › fluid outlet 3/4" BSP (f)
- › fluid inlet 1" BSP (f)
- › 2" BSP height-adjustable bung adaptor
- › wetted parts stainless steel, PTFE and Viton®

<sup>1</sup> with free discharge at 7 bar (100 psi) air inlet pressure, using water



## Professional air-operated double diaphragm pumps

- › innovative and compact design
- › reduced number of components
- › extremely easy maintenance and longer service intervals
- › reduced air consumption and flow pulsation
- › quiet and almost vibration-free operation
- › improved suction capacity, superior performance against back pressure
- › longer lifetime of diaphragms

### “Directflo”® DF 50 552010



### “Directflo”® DF 100 551030



#### 552010 DF 50

suitable for lubricants, waste oil, antifreeze (glycol) and water

Wetted parts: Aluminum, NBR, Hytrel®  
Pump body: Aluminum  
Diaphragms: Hytrel®  
Balls: Acetal

#### Characteristics

“Directflo”® DF 50 is an air-operated double diaphragm pump with high output fully enclosed in an aluminium shield. “Directflo”® DF 50 pumps are designed to be used as both transfer and system pumps. As system pumps they can work on demand, e.g. starting immediately once a delivery valve is opened and stopping once it is closed.

- › pressure ratio 1:1
- › maximum output 50 l/min<sup>1</sup>
- › 0,1 l delivery/cycle<sup>1</sup>
- › minimum air pressure 1,5 bar (22 psi)
- › maximum air pressure 8 bar (115 psi)
- › maximum size of solids 3 mm
- › maximum dry suction head 6 m<sup>1</sup>
- › maximum wet suction head 8 m<sup>1</sup>
- › weight 3,5 kg
- › air inlet 3/8" NPSM (f)
- › fluid outlet 1/2" BSP (f) and flange
- › fluid inlet 1/2" BSP (f) and flange

#### 551030 DF 100

suitable for lubricants, waste oil, antifreeze (glycol), transmission fluid and water

Wetted parts: Aluminum, NBR, Hytrel®  
Pump body: Aluminum  
Diaphragms: Hytrel®  
Balls: Acetal

#### Characteristics

“Directflo”® DF 100 is an air-operated double diaphragm pump with very high output fully enclosed in an aluminium shield and extremely robust. “Directflo”® DF 100 pumps can be used for fluid transfer, evacuation and within distribution systems. As system pumps they can work on demand, e.g. starting immediately once a delivery valve is opened and stopping once it is closed.

- › pressure ratio 1:1
- › maximum output 100 l/min<sup>1</sup>
- › delivery 0,25 l/cycle<sup>1</sup>
- › minimum air pressure 1,5 bar (22 psi)
- › maximum air pressure 8 bar (115 psi)
- › maximum size of solids 4 mm
- › maximum dry suction head 4,5 m<sup>1</sup>
- › maximum wet suction head 7 m<sup>1</sup>
- › weight 7,2 kg
- › air inlet 3/8" NPSM (f)
- › fluid outlet 1" BSP (f) and flange
- › fluid inlet 1" BSP (f) and flange

<sup>1</sup> with free discharge at 7 bar (100 psi) air inlet pressure, using water 20° C

## Professional mixing device FAM

## Professional plastic measures

- › made of polypropylene
- › with open handle, easy stackable

### Mixing device FAM 81141

### Plastic measures "Serie KMB" 89094 / 81420

### Plastic measures set KMB 40860



#### 81141 FAM-200 for 200 l barrels

#### Characteristics

The barrel or canister mounted mixing device FAM can be used for producing stable and homogeneous emulsions within a certain concentrate range. A water flow regulator and fine control valve allow mixing ratios from 0 to 10 %.

- › throughput up to 1.500 l/hour
- › flow pressure 1,5 to 10 bar (22 to 145 psi)
- › water connection 1/2" BSP
- › suction tube
- › ball valve, non-return valve
- › 2 m delivery hose with outlet spout

#### 82094 KMB 100 – 100 ml

#### 81417 KMB 250 – 250 ml ø bottom side 50 mm, height 120 mm

#### 81418 KMB 500 – 500 ml ø bottom side 70 mm, height 135 mm

#### 81419 KMB 1000 – 1.000 ml ø bottom side 90 mm, height 170 mm

#### 81420 KMB 2000 – 2.000 ml ø bottom side 105 mm, height 215 mm

#### 81421 KMB 3000 – 3.000 ml ø bottom side 120 mm, height 240 mm

#### 81422 KMB 5000 – 5.000 ml ø bottom side 150 mm, height 270 mm

#### Characteristics

- › made of polypropylene
- › temperature resistance -10° C up to +100° C
- › comfort grip, pouring edge
- › easy stackable
- › transparent for visual control of filling level
- › scale in millilitres

#### 40860 Set KMB

#### Characteristics

- › temperature resistance -10° C up to +100° C
- › set consisting of
  - KMB 500 – 500 ml
  - KMB 1000 – 1.000 ml
  - KMB 2000 – 2.000 ml

## Professional delivery pistols and electronic flow meters

- › for windscreen liquid, antifreeze concentrate and other water-soluble liquids
- › connecting thread 1/2" BSP (f)
- › maximum pressure 40 bar (580 psi)

### Fluid pistol 186300



#### 186300 Fluid pistol

##### Characteristics

- › housing made of polypropylene, glass fiber coated
- › valve mechanism made of stainless steel
- › swivel
- › including flexible outlet
- › maximum flow rate 15 l/min

### Fluid pistol with electronic flow meter 365675



#### 365675 Fluid pistol with electronic flow meter

##### Characteristics

- › fluid pistol as under 186300 described
- › resettable LCD display, 4 digits and display of total delivery
- › for liquids with operating temperature from - 10° C up to +55° C
- › minimum flow rate 5 l/min, maximum flow rate 15 l/min
- › measuring accuracy  $\pm 0,5\%$ , easy on-site calibration
- › including two standard batteries, easy to replace

## Professional lever gun for epoxy resins

- › concrete repair business
- › capacity 500 cm<sup>3</sup> (17 oz) or 1.000 cm<sup>3</sup> (34 oz)

### Lever gun "X-TRA" 40804



**40804 "X-TRA" oilproof/M (DIN 1283)**

**40805 "X-TRA" oilproof/BSP**


**40669 "X-TRA" oilproof/M (DIN 1283)**

with extension pipe 150/M and 4-jaw Profi-nozzle with check-valve 120/M

**41280 "X-TRA" oilproof/BSP**

with extension pipe 150/BSP

#### Characteristics

- › display carton with 
- › for concrete repair business
- › capacity 500 cm<sup>3</sup> (17 oz)
- › professional lever oil gun made of precision steel, robust and durable
- › ultimate suction power with full-stroke system
- › for safety reasons with curved lever
- › wall thickness of grease gun tube 1,2 mm
- › air bleed valve and double seal
- › working pressure 400 bar (5.800 psi)
- › connecting thread M = M 10 x 1, 1/8" BSP = G 1/8"

### Lever gun "X-TRA" concrete repair 41046 / 41047 / 82114



**41046 X-TRA 500 concrete repair**

capacity 500 cm<sup>3</sup> (17 oz)

**41305 X-TRA 500 concrete repair with manometer and 110/M**

with safety high-pressure rubber hose 110/M with 4-jaw Profi-nozzle capacity 500 cm<sup>3</sup> (17 oz)

**41047 X-TRA 1000 concrete repair**

capacity 1.000 cm<sup>3</sup> (34 oz)

**82114 X-TRA 1000 concrete repair**

capacity 1.000 cm<sup>3</sup> (34 oz), with screw cap made of metal at the end of the pipe

#### Characteristics

- › display plastic bag (41046, 41047, 82114) or neutral cardboard box, white (41305)
- › capacity 500 cm<sup>3</sup> (17 oz) or 1.000 cm<sup>3</sup> (34 oz)
- › for concrete repair business
- › for suit runny epoxy resins, oils and low viscosity greases
- › ultimate suction power with full-stroke system
- › professional lever oil gun made of precision steel, robust and durable
- › air bleed valve
- › without inner parts
- › without inner parts
- › 41046, 41305, 41047 with blue plastic cap
- › 82114 with screw-cap, made of metal
- › working pressure 400 bar (5.800 psi)
- › connecting thread M = M 10 x 1

## Accessories for concrete repair business

- › safety high-pressure rubber hoses
- › profi-nozzles for epoxy resins

### Safety high-pressure rubber hose with nozzle for epoxy resins

02501 / 02503 / 02505



300 mm / 12 inch

**02501 110/M**

with 4-jaw Profi-nozzle (tested by DLG)

**02531 110/BSP**

with 4-jaw Profi-nozzle

**40734 110/NPT**

with 4-jaw Profi-nozzle

**02506 112/M**

with hook-on coupler M 1

for button-head grease fittings ø 16 mm

**02536 112/BSP**

with hook-on coupler M 1

for button-head grease fittings ø 16 mm

500 mm / 20 inch

**02503 111/M**

with 4-jaw Profi-nozzle

**02533 111/BSP**

with 4-jaw Profi-nozzle

**02510 113/M**

with hook-on coupler M 1

for button-head grease fittings ø 16 mm

**02540 113/BSP**

with hook-on coupler M 1

for button-head grease fittings ø 16 mm

1.000 mm / 39 inch

**02505 1110/M**

with 4-jaw Profi-nozzle

**40318 1110/BSP**

with 4-jaw Profi-nozzle

### 4-jaw Profi-nozzles for epoxy resins

07122 / 07131



**07122 120/M 4-jaw Profi-nozzle**

**07123 120/BSP 4-jaw Profi-nozzle**

**07124 120/NPT 4-jaw Profi-nozzle**

**07131 Angled nozzle 90°/M**

**40459 Angled nozzle 90°/BSP**

#### Characteristics

- › for packers with hydraulic grease fittings (DIN 71412)
- › 4 jaws turned out of a single piece of highly elastic quality steel forming a circle to ensure precise coupling and consistent jaw alignment with every use
- › durable elastic interior plug and high-performance spring for leak-proof operation
- › case-hardened steel jaws and upper part of coupler for less wear and more durability
- › working pressure 400 bar (5.800 psi)
- › bursting pressure 1.600 bar (23.200 psi)





Headquarters of Samoa-Hallbauer GmbH in Viernheim.



# A cut above.

Through the merger of Hallbauer, with over 90 years of experience, with Samoa Industrial S.A., founded 1958 in Gijón (Spain), the foundation stone for a comprehensive service and a versatile product portfolio, was laid.

As a full-range supplier for handling of fluids especially of lubricants and greases, the Samoa group stands for fair partnership, sustainable manufacturing and first-class product quality. Thereby our production base is state-of-the-art, so that we produce products with the greatest performance and most environmental sustainability.

The products of Samoa-Hallbauer and the Samoa Group are used in more than 100 countries all over the world, especially in industry, automotive and other areas. Our aim is to provide the best possible service to all users of our products.

Besides product quality and customer satisfaction employees and social engagement are of prime importance for Samoa-Hallbauer.

We offer a healthy and secure working environment for our employees and contribute to the future generation by being a training company.

Furthermore we commit ourselves socially by supporting non-profit organizations such as Life Aid in Viernheim. We donate on a regular basis to the German blind people relief organization, Caritas, the local branch of the German Red Cross and the local voluntary fire brigade. By doing so we would like to show our social engagement especially in our area.



## QUESTIONS?

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