



Fittings and Accessories Pocket Book



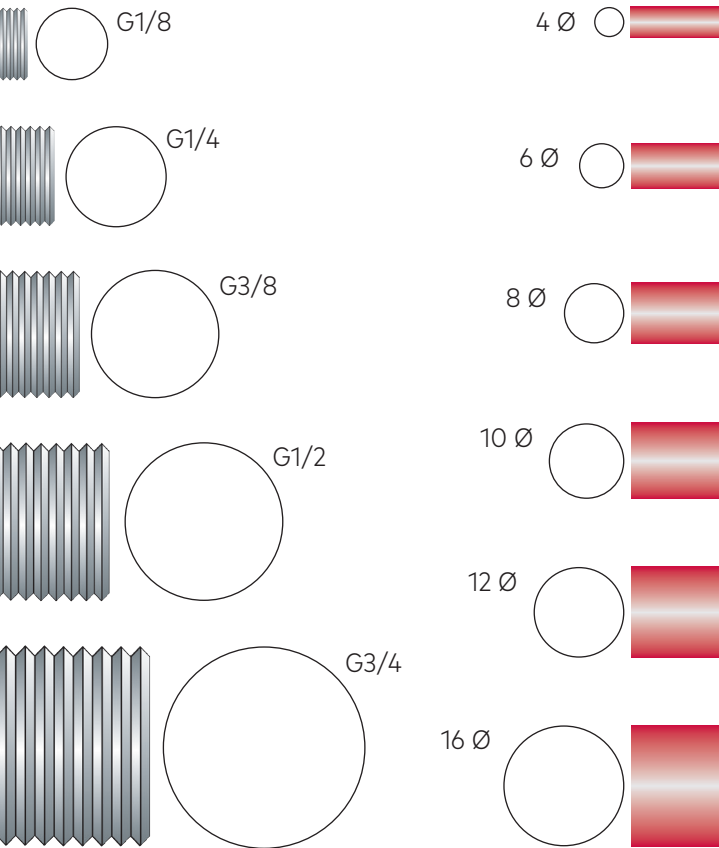
→ Find out more
norgren.com

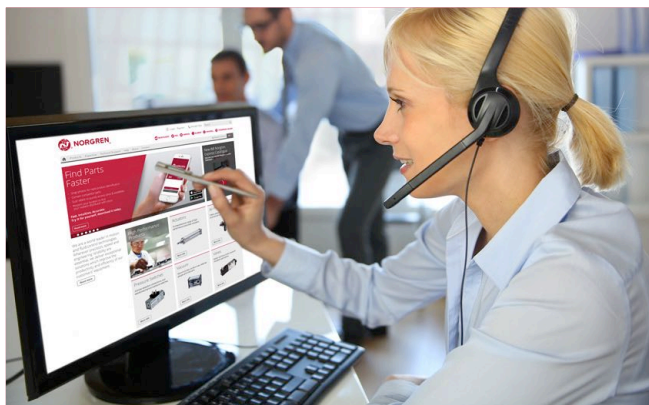
IMI

Breakthrough
Engineering

BSP thread and tube Ø indicator

(shown full size)





How Norgren Express delivers value to our customers

Our Norgren Express service is designed with the specific purpose of making our expertise and products, easily and readily accessible online or on the telephone.

The Express Range

All the products in the Norgren Express Catalogue are available from stock and ready for immediate dispatch. These standard products are used regularly and availability is important for replacing broken or worn out parts. The Express items, available for immediate dispatch, are highlighted in **bold text** in this Fittings Book.

Convenience, speed & availability

Giving customers access to our products quickly and easily by phone, catalogue or online, we offer a convenient and high quality 'one-stop shop' for all MRO needs.

Quality and choice

Rapid access to thousands of proven, high quality products which deliver superior performance, reduced maintenance and long-term cost benefit.

Technical advice & support

We offer unrivalled back-up, including expert technical advice, on-going training, in-house engineering and in-depth management information, helping customers get the most out of their products and driving down the total cost of ownership.



Our market leading product brands

The combination of our product brands trusted reputation and long history underpins our position as a leading global supplier of motion and fluid control technologies.

Norgren – High quality pneumatics



FAS – Miniature solenoid valves



Kloehn – Precise syringes, syringe pumps, and rotary valves



Buschjost – Process solenoid valves



Herion – NAMUR and press safety solutions



Maxseal – High integrity stainless steel solenoid valves



Thompson Valves – Fluid control for Energy, Nuclear & Defence

**Purchase
products straight
from your mobile
phone or tablet**



Purchase online securely and quickly

With our website, the entire search, order and delivery process allows you to buy online with confidence:

Selection

Find the product you need in seconds, from over 10,000 catalogue products. All it takes is part or all of the part number. Or alternatively, search the detailed product information pages.

Support

Select precisely the right product based on detailed technical information, datasheets, CAD drawings, price and availability – all easily accessible online.

Ordering

If you know the products you want to add quickly to your basket, our quick basket allows you to enter the product number and quantity, with the help of predictive search functions. Alternatively, copy large lists of items from your purchasing system, spreadsheet, email or word processing document directly into the paste basket and order securely online, 24/7.

Tracking

Track your order using the tracking link. We'll also notify you by email when the items are shipped and out for delivery.

We help move
man's **most**
marvellous
machines

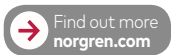


Click. Call. Tap. Serve. Save. Deliver.

We're the inventive engineering experts ready to support you on every challenge. From in-depth technical advice to easy online ordering; from a free CAD configurator to a powerful mobile app that finds replacement parts, fast. It's all part of the service, keeping your machines moving safely and efficiently.

Just imagine what else we could do for you...

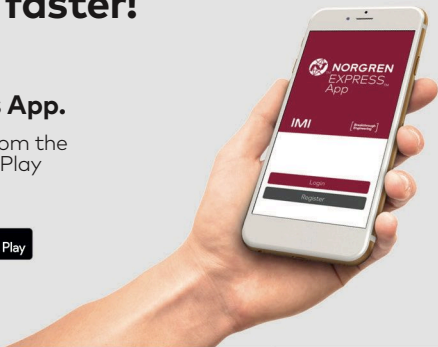
Visit: www.mostmarvellousmachines.com



Find parts faster!

Introducing the Norgren Express App.

Download it today from the App Store or Google Play



A powerful product finder in your pocket

When you need a replacement pneumatic part, fast, the website has always been there. Now, we've made it even easier to find what you need on the move with Norgren Express App.

- » Snap and send photos of pneumatic parts for identification by our team – within 30 minutes.
- » Scan product labels to instantly access real-time information from a database of over 100,000 parts.
- » Convert competitor and third-party components to an Norgren equivalent.
- » Pinpoint your location to find your nearest distributor with stock available.
- » Buy directly through the webstore, right there and then.
- » Simply login with your existing website email address and password, or register for a new account via the app.

Fast. Intuitive. Accurate.

Just as finding replacement pneumatic parts should be.



Find out more
norgren.com



IMI

Contents

- 08 GOLDEN RULES
- 11 ACTUATOR THRUST CHART
- 12 CONVERSION FACTORS

1



FITTINGS & TUBING

- 16 PNEUFIT® C COMPOSITE PUSH-IN FITTINGS
- 21 PNEUFIT® C SELECTION BOX
- 17 PNEUFIT® METALLIC PUSH-IN FITTINGS
- 18 PNEUFIT® D ACETAL PUSH-IN FITTINGS
- 19 PNEUFIT® M MINIATURE PUSH-IN FITTINGS
- 20 PNEUFIT® S STAINLESS STEEL PUSH-IN FITTINGS
- 64 BSP & HOSE FITTINGS
- 69 ADDITIONAL FITTINGS RANGES
- 70 TUBING
 - 72 NYLON TUBING
 - 72 POLYURETHANE TUBING
 - 73 PNEUFLEX TUBING
 - 73 ACCESSORIES

2



ACCESSORIES

- 76 SILENCERS
 - 76 M/S POROUS PLASTIC SILENCER
 - 76 T40 SINTERED BRONZE SILENCER
 - 76 M/1500 EXHAUST FILTERS
 - 77 MB QUIETAIRE SILENCERS
- 78 BALL VALVES - 60 SERIES
- 80 M/7300 SHUT OFF VALVES
- 81 T55 NON-RETURN VALVES
- 82 PNEUFIT® C NON-RETURN VALVES
- 83 T70 QUICK EXHAUST VALVES
- 84 T1000 FLOW REGULATORS
- 85 T20 EXHAUST FLOW REGULATOR/SILENCERS

3

PNEUMATIC ACTUATORS ACCESSORIES

- 89** ISOLINE SERVICE KITS
- 89** ISO COMPACT SERVICE KITS
- 89** LINTRA SERVICE KITS
- 90** ROTARY VANE SERVICE KITS
- 89** ROTARY RACK/PINION SERVICE KITS
- 90** STAINLESS TIE-ROD SERVICE KITS
- 90** STAINLESS ROUNDLINE SERVICE KITS
- 91** REED SWITCHES
- 91** SOLID STATE SWITCHES
- 91** SOLID STATE SWITCHES WITH IO-LINK CAPABILITY

4

AIR PREPARATION ACCESSORIES

- 95** OLYMPIAN PLUS SERVICE KITS
- 96** EXCELON PLUS SERVICE KIT
- 97** EXCELON SERVICE KITS
- 98** PORTED UNIT SERVICE KITS
- 99** GAUGES
- 100** AUTO-DRAIN
- 100** DRIP LEG DRAIN

5

PNEUMATIC VALVES & ACCESSORIES

- 102** SUPER X SPARES KIT
- 104** SOLENOIDS, PLUGS & CABLES

"GOLDEN RULES" to ensure maximum efficiency from pneumatic systems

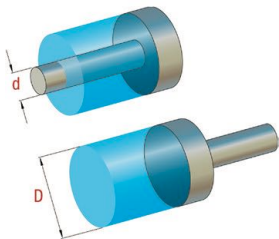
THE CYLINDER

Correct sizing is based upon the required force and applied pressure.

At page 10 the tables show the theoretical thrust (outstroke) and theoretical pull (instroke) expressed in Newtons for single and double acting cylinders.

For piston rod cylinders the effective area of the rod side is the piston area minus the area of the piston rod, (if not a rodless cylinder).

It is strongly recommended that a factor of safety be included in all sizing calculations - on dynamic applications this should be 50% and static applications 5%



Piston and rod diameters

Golden rule:

- » The theoretical force of the cylinder should be 25% extra for high speed, 50% extra for low speed and 100% extra for ultra low speed (positioning) applications.
- » Correctly sized fittings and tube-bore and shortest possible tube length will give the highest repeat cycling rate and saves energy.

THE VALVE

Developments in valve technology have given higher flow in smaller valve envelope sizes, eg. the flow from a traditional 42 mm wide ISO #1 valve is about 1250 l/min, a modern valve that can deliver the same flow is only 20 mm wide.

Golden rule:

- » Calculate the greatest instantaneous flow required by the cylinder. This is the flow rate required during the fastest stroke. Do not use l/min average values.

"GOLDEN RULES" to ensure maximum efficiency from pneumatic systems

If you do not want to calculate use the golden rule table:

Valve size	Flow l/m	Tube Ø mm	Cylinder max Ø mm
M5	250	6/4	40
1/8"	750	8/6	63
1/4"	1250	10/7	80
3/8"	2500	12/8,5	125
1/2"	4250	16/12	160
3/4"	6000	22/17	250
1"	10000	26/18	320

Based on cylinder speed of 500 mm/sec, 50% loaded, cylinder pressure 5 bar, 1 metre tube length and two fittings per tube.

VALVE FLOW

There are a variety of standards and methods for the measurement and display of valve flow performance. These can give rise to confusion and difficulty when comparing the published performance of different valves. The table below provides conversion factors as a guide to expressing valve performance in different units.

FLOW FACTOR CONVERSION TABLE

	Factors Cv	Kv	C	Flow* m ³ /h	l/min	Orifice Size A	S
Cv	1	0,869	4,08	59,1	985	16,3	21,5
Kv	1,15	1	4,69	67,9	1132	18,7	24,7
C	0,245	0,213	1	14,5	241	4,11	5,27
M3/h	0,017	0,015	0,069	1	16,67	0,276	0,364
l/min	0,001	0,0088	0,0041	0,06	1	0,016	0,022
A	0,061	0,053	0,243	3,62	60,4	1	1,31
S	0,046	0,04	0,189	2,75	45,8	0,761	1

* Flow parameters are 6 bar inlet and 5 bar outlet at 20°C, 1013 mbar and 65% humidity.

"GOLDEN RULES" to ensure maximum efficiency from pneumatic systems

HOW TO USE

Select the unit of measurement that is known in the left hand column and multiply by the factor given in the column of the required unit of measurement.

'Cv' is specified by ANSI/NFPA

'Kv' used in Germany and based on water flow.

'C' sonic conductance in $\text{dm}^3/\text{s}/\text{bar}$ specified by ISO 6358

'A' effective area in mm^2 specified by ISO 6358

'S' effective area in mm^2 according to the Japanese standard JIS B 8375

A further measurement is the NW value. This gives the equivalent diameter in mm^2 of the smallest path through a valve. This is non-comparable and not in the table.

FILTRATION, LUBRICATION AND WORKING TEMPERATURE

In general, pneumatics are designed for working in a wide temperature range from -20°C up to $+80^\circ\text{C}$. Electrical parts like solenoids are limited to $+50^\circ\text{C}$, but specific figures can be found in the catalogue.

For filtration and dew point the following apply: 5°C to 50°C ambient temperature, 40 micron filtration and a dew point of 10°C lower than the ambient temperature is recommended.

Below 5°C and above 50°C , 5 micron filtration is recommended and below 5°C a dew point 5°C lower than the ambient temperature is recommended.

Valves and cylinders are greased on assembly and operate under normal conditions without additional lubrication. However using a lubricator will extend the life of these products.

Golden rule: always lubricate when:

Valve frequency is >3 Hz.

Cylinder speed is high.

Ambient temperature is below freezing point or above 50°C .

There is a combination of the conditions above.

If possible always lubricate and if you start to lubricate then continue to do so. Use micro-fog lubricators for cylinders and oil-fog lubricators for air tools.

FITTINGS AND TUBING

Rule number one is use as few fittings as possible. Tubing should be as short as practical and be related to port thread sizes. e.g. $\text{Ø } 8/6$ mm for G1/4. Banjo type fittings and quick connection couplings can be restrictive to flow. Minimise the use of elbows, Y's and tee connectors. For use below freezing or when exposed to sunlight use black plastic tubing.

Actuator thrust chart

CYLINDER FORCES

The theoretical thrust and pull is related to the effective piston area and the pressure. The tables show the theoretical forces in Newton for single and double acting cylinders at 6 bar inlet to the cylinder. For forces at other pressures divide the figures by 6 and multiply by the required pressure in bar gauge.

Cylinder bore mm (inches)	Piston rod diameter mm (inches)	Thrust N at 6 bar	Pull N at 6 bar
8	3	30	25
10	4	47	39
12	6	67	50
16	6	120	103
20	8	188	158
25	10	294	246
32	12	482	414
40	16	753	633
44,45 (1,75)	16	931	810
50	20	1178	989
63	20	1870	1681
76,2 (3)	25	2736	2441
80	25	3015	2721
100	25	4712	4418
125	32	7363	6881
152,4 (6)	(11/2)	10944	10260
160	40	12063	11309
200	40	18849	18095
250	50	29452	28274
304,8 (12)	(21/4)	43779	42240
320	63	48254	46384
355,6 (14)	(21/4)	59588	58049

Table of thrust and pulls, double acting cylinders.

Bore mm	Rod mm	Push stroke consumption dm ³ /mm of stroke at 6 bar	Pull stroke consumption dm ³ /mm of stroke at 6 bar	Combined consumption dm ³ /mm of stroke/cycle
10	4	0,00054	0,00046	0,00100
12	6	0,00079	0,00065	0,00144
16	6	0,00141	0,00121	0,00262
20	8	0,0022	0,00185	0,00405
32	12	0,00563	0,00484	0,01047
40	16	0,0088	0,00739	0,01619
50	20	0,01374	0,01155	0,02529
63	20	0,02182	0,01962	0,04144
80	25	0,03519	0,03175	0,06694
100	25	0,05498	0,05154	0,10652
125	32	0,0859	0,08027	0,16617
160	40	0,14074	0,13195	0,27269
200	40	0,21991	0,21112	0,43103
250	50	0,34361	0,32987	0,67348

Table of air consumption.

Conversion factors

From old unit	To SI Unit	Approximate conversion	Accuracy	Conversion for greater accuracy
Length				
Inch (in)	millimetres (mm)	+4 then x100	1,6%	x25,4
Foot (ft)	metre (m)	+3	1,6%	x0,305
Yard (yd)	metre (m)	x1	9%	x12 then +13
ⁿ /16 inch	millimetres (mm)	'n' x3 then +2	5,5%	x1,6
ⁿ /1000 inch	millimetres (mm)	'n' +4 then +10	1,6%	x0,0254
Mile (mi)	kilometre (km)	x1,5	6,8%	x1,609
Mass				
Pound (lb)	kilogramme (kg)	+2	10%	x0,45
Pound (lb)	gramme (g)	x1000 then +2	10%	x454
Ounce (oz)	gramme (g)	x30	6%	x28,4
Long Ton (UK)	tonne (t)	x1	1,6%	x1,02
Short Ton (USA)	tonne (t)	x9 then -10	0,8%	x0,91
Force (Weight)				
Pound-force (lbf)	newton (N)	x4	10%	x9 then +2
Kilopond (kp)	newton (N)	x10	2%	x9,8
Torque				
Pound-force foot (lbf ft)	newton-metre (N m)	x3 then +2	10%	x1,36
Pound-force inches (lbf in)	newton-metre (N m)	+10	11%	x0,11
Pressure				
lbf/in ² (psig)	bar	x7 then +100	1,5%	+14,5
lbf/in ² (psig)	N/m ²	x7000	1,5%	x6895
lbf/in ² (psig)	kilopascal (kPa)	x7	1,5%	x6,9
lbf/in ² (psig)	megapascal (MPa)	x7 then +1000	1,5%	x6,9 then +1000
kgf/cm ² or kp/cm ²	bar	x1	2,0%	x0,98
kgf/cm ² or kp/cm ²	N/m ²	x100000	2,0%	x98070
kgf/cm ² or kp/cm ²	kilopascal (kPa)	x100	2,0%	x98
kgf/cm ² or kp/cm ²	megapascal (MPa)	+10	2,0%	x0,098
Atmosphere (std)	bar	x1	1,3%	x1,013
Atmosphere (std)	N/m ²	x100000	1,3%	x101300
Atmosphere (std)	kilopascal (kPa)	x100	1,3%	x101,3
Atmosphere (std)	megapascal (MPa)	+10	1,3%	x0,101
Inches Water Gauge (inH ₂ O)	millibar (mbar)	x10 then +4	0,6%	x2,49
mm Water Gauge (mmH ₂ O)	millibar (mbar)	+10	2,00%	x0,098
mm of Mercury (mmHg)	millibar (mbar)	x9 then +7	0,04%	x1,33
Torr	millibar (mbar)	x9 then +7	0,04%	x1,33
Tons/in ²	bar	x1000 then +7	7,5%	x154
Tons/ft ²	bar	x1	1,5%	x1,07

Conversion factors

From old unit	To SI Unit	Approximate conversion	Accuracy	Conversion for greater accuracy
Volume				
Gallon (UK) (gal)	litre (L)	x5	10%	x4,54
Gallon (USA) (gal)	litre (L)	x4	5,7%	x3,79
Pint (UK) (pt)	litre (L)	x6 then ÷10	5,6%	x0,57
Pint (USA) (pt)	litre (L)	÷2	5,7%	x0,47
Fluid ounce (UK) (fl oz)	cubic cm (cm ³)	x30	5,6%	x28,4
Fluid ounce (USA) (fl oz)	cubic cm (cm ³)	x30	1,4%	x29,6
Flow				
Cubic feet per minute (cfm)	cubic decimetres/second (dm ³ /s)**	÷2	5,9%	x0,472
Cubic feet per minute (cfm)	cubic metres/second (m ³ /s)**	÷2 then ÷1000	5,9%	x0,472 then ÷1000
Cubic feet per hour	cubic decimetres/second (dm ³ /s)**	x8 then ÷1000	1,7%	x7,9 then ÷1000
Litres/minute (L/m)	cubic decimetres/second (dm ³ /s)**	x2 then ÷100	20%	÷60
Cubic metres/hour (m ³ /h)	÷4	10%	x0,28	
Power				
Horsepower (hp)	watt (W)	x3 then ÷4 then x1000	0,6%	x746
Horsepower (hp)	kilowatt (kW)	x3 then ÷4	0,6%	x0,746
Energy, Work				
Foot-pound-force (ft lbf)	joule (J)	x9 then ÷7	5,5%	x1,35
Kilogramme-force metres (kgf m)	joule (J)	x10	1,3%	x9,807
British thermal unit (Btu)	joule (J)	x1000	5,5%	x1055
Temperature				
Fahrenheit (°F)	Celsius (°C)	-32 then ÷2	10% between 0°F and 400°F	+40 then x5 then ÷9 then -40

**The litre is equal to 1 cubic decimetre (dm³) within 28 parts per million and for most practical purposes can be considered to be the same. For more precise work, increase the volume in litres by 1 part in 36000 to find the volume in dm³.

[Fittings & Tubing]

1

Pneufit® C
composite
fittings



PUSH-IN FITTINGS PNEUFIT® C

Metric Ø4 ... 16 mm O/D tube

- » Pneufit® C push in fittings represent one of the industries largest ranges of industrial fittings, with in excess of 1,000 shapes and sizes
- » Assembly times can be reduced to the minimum by using the parallel threaded versions, or choose taper to ensure perfect sealing under less than ideal port conditions
- » Body material is either PBT or nickel plated brass offering good resistance to corrosion or contamination, and all components are retained within the body to make a perfect seal every time
- » In addition to standard shapes, the range also includes manifolds, banjo flow regulators isolating valves and other items to offer maximum benefit from using standard widely available parts



Technical data

Medium:

Compressed air

Operating pressure:

750 mm Hg to 10 bar

Ambient temperature:

-20°C ... +60°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Tubing:

Nylon 11 or 12, polyurethane 85 to 98

Materials

Body: PBT

Seals: NBR (silicone free) u-packing and O-rings

Threaded bodies: Nickel plated brass

Release sleeve and backing ring: POM

Grab-ring: Stainless steel

Collar: Nickel plated brass

Thread sealant: Chemitech G-175L

PUSH-IN FITTINGS PNEUFIT®

Metric Ø4 ... 14 mm O/D tube

- » Compact units featuring retained collets and positive tube anchorage
- » Silicone free O-ring seals
- » Non-PTFE based thread sealant on all BSP taper threads
- » Easy tube insertion for rapid assembly
- » Internal hexagon on straight adaptors allows assembly in confined spaces
- » Wide range of types available
- » Reliable and corrosion resistant



Technical data

Medium:

Compressed air

Operating pressure:

Vacuum – 18 bar unless otherwise stated
(dependant on tubing specification)

Ambient temperature:

-20°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Tubing:

Nylon 11 or 12, polyurethane 85 to 98

Materials

Body: Nickel plated brass or glass filled nylon

Collet: Nickel plated brass

'O' ring: Silicone free nitrile rubber

Sealing washer (parallel threads): Nitrile
'O'-ring

Thread sealant: Non-PTFE

PUSH-IN FITTINGS PNEUFIT® D METRIC

Ø4 ... 12 mm O/D tube

- » Appropriate for inert gas and industrial air applications and suited for use in medical and analytical equipment for fluid and gas control.
- » Pneufit® D fittings are manufactured from FDA approved acetal materials.
- » Certified by NSF (51 & 61), WRAS and SKZert for use with water and food.
- » Fittings are ready to use, offering fast assembly with no need for tools providing optimum flow.

**Technical data****Medium:**

Air and liquids

Operating pressure:

4 ... 8 mm -20 ... +20°C 15 bar

10 ... 12 mm -20 ... +20°C 12 bar

4 ... 8 mm +20 ... +65°C 10 bar

10 ... 12 mm +20 ... +65°C 7 bar

Vacuum: 749,3 mmHg

Ambient temperature:

-20°C ... +65°C

Tubing types:

PA, PUR with 85 ... 95

Shore A hardness

PE with 33 ... 52

Shore D hardness

Materials**Body:** Acetal**Seals:** NBR**Release Sleeve:** Acetal**Grab-ring:** Stainless steel

PUSH-IN FITTINGS PNEUFIT® M

Metric 3, 4, 6 mm O/D tube

- » Pneufit® M fittings are ready to use, offering fast assembly with no need for tools and providing optimum flow
- » Releasable stainless-steel grab ring to grip nylon or polyurethane tube (85 or 95 durometer)
- » Nickel plated brass components provide corrosion and contamination resistance and an extended life
- » Pre applied thread sealant on all taper threads and recessed captive O-ring on parallel threads provides optimum rapid sealing
- » Immediate quality sealing using silicone free U-packing
- » Miniature Pneufit® M is an ultra compact alternative where space is at a premium



Technical data

Medium:

Compressed air

Operating pressure:

750 mm Hg vacuum, up to 10 bar

Ambient temperature:

-20°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Tubing:

Nylon 11 or 12, polyurethane 85 to 98

Materials

Body: PBT

Seals: NBR (silicone free) u-packing and O-rings

Threaded bodies: Nickel plated brass

Release sleeve and backing ring: Nitrile POM

Grab-ring: Stainless steel

Collar: Nickel plated brass

Thread sealant: Chemitech G-175L

PUSH-IN FITTINGS PNEUFIT® S

Metric Ø4 ... 12 mm

- » Resistant to aggressive environments
- » Suitable for food and beverage applications
- » Very compact units
- » Easy tube insertion and removal for rapid assembly of pneumatic circuits
- » Positive tube anchorage
- » Straight adaptors feature internal hexagon for allen key
- » Swivel function on all elbows and tees



Technical data

Medium:

Compressed air

For other media please consult Technical Department

Operating pressure:

Vacuum – 15 bar

(dependent upon operating specification of tubing)

Ambient temperature:

-15°C ... +225°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Tubing types:

Nylon 6, 11 or 12, Polyurethane 85 to 98 Shore A hardness (33 to 52 Shore D) and PTFE tubing

Materials

Body, release sleeve and grab ring:

Aisi 316L (1.4404) stainless steel

'O' ring and thread seal (BSPP):

FPM

Lubricants: FDA approved

Pneufit® C Fittings Box



Find out more
norgren.com

We know that many of our customers use a wide range of fittings, and if they have an emergency, valuable time is wasted looking for a replacement.

Solve this problem by ordering our selection boxes for immediate use when required. Four kits available covering popular tube sizes:

- » Up to 360 items in each kit – straight connectors, elbows, tees, tube connectors, plugs
- » Includes handy tube cutter ensuring perfect joint
- » Strong moulded carry case
- » Contents identified for easy re-ordering

Model	Type
NE/11152	4 & 6 mm fittings kit
NE/11154	6 & 8 mm fittings kit
NE/11433	8 & 10 mm fittings kit
NE/11376	10 & 12 mm fittings kit

Product Highlights:

- » Clear lid holds fittings in place
- » Large variety of fittings



NORGREN

IMI

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Warning:

The push-in tube fittings in this section must not be used in vehicle air braking and ancillary systems. For push-in fittings suitable for these applications please refer to our Fleetfit range on our website.

Straight Adaptor (External & Internal) Parallel



Metric & BSPP Thread	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
M3	3	-	-	-	M02250303	-
M3	4	-	102250403	-	M02250403	-
M5	3	-	-	-	M02250305	-
M5	4	C02250405	102250405	-	M02250405	S02250405
M5	5	-	102250505	-	-	-
M5	6	C02250605	102250605	-	M02250605	-
M6	3	-	-	-	M02250306	S02250418
M6	4	C02250406	-	-	M02250406	-
M6	6	C02250606	-	-	M02250606	-
G1/8	4	C02250418	102250418	D02250418	-	-
G1/8	5	-	102250518	D02250518	-	-
G1/8	6	C02250618	102250618	D02250618	-	S02250618
G1/8	8	C02250818	102250818	D02250818	-	S02250818
G1/8	10	C02251018	102251018	-	-	-
G1/4	4	C02250428	102250428	D02250428	-	S02250428
G1/4	5	-	102250528	D02250528	-	-
G1/4	6	C02250628	102250628	D02250628	-	S02250628
G1/4	8	C02250828	102250828	D02250828	-	S02250828
G1/4	10	C02251028	102251028	D02251028	-	S02251028
G1/4	12	C02251228	102251228	-	-	-
G3/8	4	C02250438	-	-	-	-
G3/8	6	C02250638	-	-	-	-
G3/8	8	C02250838	102250838	D02250838	-	-
G3/8	10	C02251038	102251038	D02251038	-	S02251038
G3/8	12	C02251238	102251238	D02251238	-	S02251238
G3/8	14	-	102251438	-	-	-
G3/8	16	C02251638	-	-	-	-
G1/2	8	C02250848	102250848	-	-	-
G1/2	10	C02251048	102251048	D02251048	-	-
G1/2	12	C02251248	102251248	D02251248	-	S02251248
G1/2	14	-	102251448	-	-	-
G1/2	16	C02251648	-	-	-	-

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Straight Adaptor (External & Internal) Taper



BSPT Thread	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
R1/8	4	C01250418	101250418	D01250418	M01250418	S01250418
R1/8	5	-	101250518	D01250518	-	-
R1/8	6	C01250618	101250618	D01250618	M01250618	S01250618
R1/8	8	C01250818	101250818	D01250818	-	S01250818
R1/8	10	C01251018	101251018	D01251018	-	-
R1/8	12	C01251218	-	-	-	-
R1/4	4	C01250428	101250428	D01250428	-	S01250428
R1/4	5	-	101250528	D01250528	-	-
R1/4	6	C01250628	101250628	D01250628	-	S01250628
R1/4	8	C01250828	101250828	D01250828	-	S01250828
R1/4	10	C01251028	101251028	D01251028	-	S01251028
R1/4	12	C01251228	101251228	-	-	-
R3/8	4	C01250438	-	-	-	-
R3/8	6	C01250638	-	D01250638	-	-
R3/8	8	C01250838	101250838	D01250838	-	-
R3/8	10	C01251038	101251038	D01251038	-	S01251038
R3/8	12	C01251238	101251238	D01251238	-	S01251238
R3/8	14	-	101251438	-	-	-
R3/8	16	C01251638	-	-	-	-
R1/2	6	C01250648	-	D01250648	-	-
R1/2	8	C01250848	101250848	-	-	-
R1/2	10	C01251048	101251048	D01251048	-	-
R1/2	12	C01251248	101251248	D01251248	-	S01251248
R1/2	14	-	101251448	-	-	-
R1/2	16	C01251648	-	-	-	-

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Straight Adaptor (Internal Hex Only) Parallel



Metric & BSPP Thread	O/D Tube	Pneufit C	Pneufit M
M3	3	-	M022A0303
M3	4	-	M022A0403
M5	3	-	M022A0305
M5	4	C022A0405	M022A0405
M5	6	C022A0605	M022A0605
M6	3	-	M022A0306
M6	4	C022A0406	M022A0406
M6	6	C022A0606	M022A0606

Straight Adaptor (Internal Hex Only) Taper



BSPT	O/D Tube	Pneufit C	Pneufit M
R1/8	4	C012A0418	M012A0418
R1/8	6	C012A0618	M012A0618
R1/8	8	C012A0818	-
R1/8	10	C012A1018	-
R1/8	12	C012A1218	-
R1/4	4	C012A0428	-
R1/4	6	C012A0628	-
R1/4	8	C012A0828	-
R1/4	10	C012A1028	-
R1/4	12	C012A1228	-
R3/8	4	C012A0438	-
R3/8	6	C012A0638	-
R3/8	8	C012A0838	-
R3/8	10	C012A1038	-
R3/8	12	C012A1238	-
R1/2	8	C012A0848	-
R1/2	10	C012A1048	-
R1/2	12	C012A1248	-

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Straight Union (Equal)



O/D Tube	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
3	3	-	-	-	M00200300	-
4	4	C00200400	100200400	D00200400	M00200400	S00200400
5	5	-	100200500	D00200500	-	-
6	6	C00200600	100200600	D00200600	M00200600	S00200600
8	8	C00200800	100200800	D00200800	-	S00200800
10	10	C00201000	100201000	D00201000	-	S00201000
12	12	C00201200	100201200	D00201200	-	S00201200
14	14	-	100201400	-	-	-
16	16	C00201600	-	-	-	-

Straight Union (Unequal)



O/D Tube	O/D Tube	Pneufit C	Pneufit D	Pneufit M
4	3	-	-	M00200403
6	3	-	-	M00200603
6	4	C00200604	D00200604	M00200604
6	5	-	D00200605	-
8	4	C00200804	D00200804	-
8	5	-	D00200805	-
8	6	C00200806	D00200806	-
10	4	-	D00201004	-
10	5	-	D00201005	-
10	6	C00201006	D00201006	-
10	8	C00201008	D00201008	-
12	8	C00201208	D00201208	-
12	10	C00201210	D00201210	-
16	12	C00201612	-	-

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Bulkhead Connector



O/D Tube	O/D Tube	Bulkhead Thread	Pneufit C	Pneufit	Pneufit D	Pneufit S
4		M10x1,0	-	100290400	-	-
4		M12 x 1	C00290400	-	-	S00290400
4		M16x1	-	-	D00290400	-
5		M12x1,0	-	100290500	-	-
5		M16x1	-	-	D00290500	-
6		M14x1	C00290600	-	-	S00290600
6		M14x1,5	-	100290600	-	-
6		M16x1	-	-	D00290600	-
6	10	M20x1,5	-	-	D00290610	-
8		M16x1	C00290800	-	-	S00290800
8		M16x1,5	-	100290800	-	-
10		M20x1	C00291000	-	-	S00291000
10		M20x1,5	-	100291000	D00291000	-
10	6	M20x1,5	-	-	D00291006	-
12		M22x1	C00291200	-	-	S00291200
12		M24x1,5	-	100291200	-	-
12		M27x1,5	-	-	D00291200	-
14		M24x1,5	-	100291400	-	-

Mixed Bulkhead Connector



PIF to compression fitting			Pneufit
O/D Tube	O/D Tube	Thread	
4	4	M12x1,0	100310404
6	6	M15x1,0	100310606
8	8	M18x1,5	100310808
10	10	M20x1,5	100311010
12	12	M24x1,5	100311212

Supplied complete with tubing nut and sleeve.

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Straight Adaptor (Female Bulkhead Parallel)



Metric & BSPP Thread	O/D Tube	Pneufit C
G1/8	4	C02320418
G1/8	6	C02320618
G1/8	8	C02320818
G1/8	10	-
G1/4	4	C02320428
G1/4	6	C02320628
G1/4	8	C02320828
G1/4	10	C02321028
G1/4	12	C02321228
G3/8	4	C02320438
G3/8	6	C02320638
G3/8	8	C02320838
G3/8	10	C02321038
G3/8	12	C02321238
G3/8	16	-
G1/2	8	-
G1/2	10	C02321048
G1/2	12	C02321248

Female adaptor (UNF-V type)



Thread	O/D Tube	Pneufit D
7/16-20	6	D042B062Y
7/16-20	8	D042B082Y
7/16-20	10	D042B102Y
5/8-18	10	D042B104Y

Female adaptor (taper)

BSPP Thread	O/D Tube	Pneufit D
G1/8	6	D012C0618
G1/4	6	D012C0628
G1/8	8	D012C0818
G1/4	8	D012C0828
G1/8	10	D012C1018
G1/4	10	D012C1028

Female adaptor (flat type)



BSPP Thread	O/D Tube	Pneufit D
G5/8	8	D022C0858
G1/2	10	D022C1048
G5/8	10	D022C1058
G3/8	12	D022C1238
G1/2	12	D022C1248

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

**Female adaptor
(cone type)**

		Pneufit D
BSPP Thread	O/D Tube	
G3/8	6	D022D0638
G1/2	6	D022D0648
G3/8	8	D022D0838
G1/2	8	D022D0848
G3/8	10	D022D1038
G1/2	10	D022D1048
G5/8	10	D022D1058
G5/8	12	D022D1258

**Female adaptor
(UNS cone type)**

		Pneufit D
Thread	O/D Tube	
7/16-24	6	D042D062W
7/16-24	8	D042D082W
7/16-24	10	D042D102W

**Female adaptor
(UNF cone type)**

		Pneufit D
Thread	O/D Tube	
7/16-20	6	D042D062Y
7/16-20	8	D042D082Y
7/16-20	10	D042D102Y

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Straight Adaptor (Female Thread)



Thread	O/D Tube	Pneufit C	Pneufit	Pneufit M
M3	3	-	-	-
M3	4	-	-	M02260403
M5	3	-	-	M02260305
M5	4	C02260405	102260405	M02260405
M5	5	-	102260505	-
M5	6	-	-	M02260605
M6	3	-	-	M02260306
M6	4	-	-	M02260406
M6	6	-	-	M02260606
Rc1/8	4	-	-	M01260418
Rc1/8	6	-	-	M01260618
G1/8	10	-	-	-
G1/8	4	C02260418	102260418	-
G1/8	5	-	102260518	-
G1/8	6	C02260618	102260618	-
G1/8	8	C02260818	102260818	-
G1/8	10	C02261018	-	-
G1/4	4	C02260428	102260428	-
G1/4	5	-	102260528	-
G1/4	6	C02260628	102260628	-
G1/4	8	C02260828	102260828	-
G1/4	10	C02261028	102261028	-
G1/4	12	C02261228	-	-
G3/8	4	C02260438	-	-
G3/8	6	C02260638	-	-
G3/8	8	C02260838	-	-
G3/8	10	C02261038	102261038	-
G3/8	12	C02261238	102261238	-
G3/8	14	-	-	-
G3/8	16	-	-	-
G1/2	8	C02260848	-	-
G1/2	10	C02261048	-	-
G1/2	12	C02261248	102261248	-

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors



Stem Reducer

O/D Stem	O/D Tube	Pneufit C	Pneufit	Pneufit D
5	4	-	100230504	D00230504
6	4	C00230604	100230604	D00230604
6	5	-	100230605	D00230605
8	4	C00230804	100230804	D00230804
8	5	-	100230805	D00230805
8	6	C00230806	100230806	D00230806
10	4	-	100231004	-
10	5	-	100231005	-
10	6	C00231006	100231006	D00231006
10	8	C00231008	100231008	D00231008
12	4	-	100231204	-
12	5	-	100231205	-
12	6	C00231206	100231206	-
12	8	C00231208	100231208	D00231208
12	10	C00231210	100231210	D00231210
14	6	-	100231406	-
14	8	-	100231408	-
14	10	-	100231410	-
14	12	-	100231412	-
16	12	C00231612	-	-

Stem Union (Equal)



O/D Stem	Pneufit C	Pneufit
4	C00220400	100220400
5	-	100220500
6	C00220600	100220600
8	C00220800	100220800
10	C00221000	100221000
12	C00221200	100221200
14	-	100221400
16	C00221600	-

Stem Expander (Stem/Tube)



O/D Stem	O/D Tube	Pneufit C
4	6	C00230406
6	8	C00230608

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Stem Union (Unequal)



		Pneufit C
O/D Stem	O/D Stem	
6	4	C00220604
8	6	C00220806
10	8	C00221008
12	10	C00221210
16	12	C00221612

Straight Stem Adaptor - Taper



		Pneufit	Pneufit D
BSPT Thread	O/D Stem		
R1/8	4	101150418	D00150418
R1/8	5	101150518	D00150518
R1/8	6	101150618	D00150618
R1/8	8	101150818	D00150818
R1/8	10	-	-
R1/8	12	-	-
R1/4	4	101150428	D00150428
R1/4	5	101150528	D00150528
R1/4	6	101150628	D00150628
R1/4	8	101150828	D00150828
R1/4	10	101151028	D00151028
R1/4	12	-	-
R3/8	4	-	-
R3/8	6	-	-
R3/8	8	101150838	D00150838
R3/8	10	101151038	D00151038
R3/8	12	101151238	D00151238
R1/2	8	-	-
R1/2	10	-	D00151048
R1/2	12	101151248	D00151248
R1/2	14	101151448	-

Stem Tailpiece Adaptor



		Pneufit	Pneufit D
O/D Stem	Hose Bore		
5	6,5	100190505	-
6	4,5	-	D00390604
6	6,5	100190605	-
6	8	100190606	-
8	6,5	-	D00390806
8	8	100190806	-
8	9,6	100190808	-
10	8,5	-	D00391008
10	12	100191010	-
12	10	-	D00391210
12	12	100191210	-
12	15	100191212	-

Plug



	Pneufit C	Pneufit D
O/D Tube		
4	C00040400	D00040400
5	-	D00040500
6	C00040600	D00040600
8	C00040800	D00040800
10	C00041000	D00041000
12	C00041200	D00041200
16	C00041600	-

Cap (Female Plug)



	Pneufit C	Pneufit D
O/D Tube		
4	C00120400	
6	C00120600	D000A0600
8	C00120800	D000A0800
10	C00121000	D000A1000
12	C00121200	D000A1200
16	C00121600	-

PUSH-IN FITTINGS PNEUFIT®

Straight adaptors and connectors

Straight Stem Adaptor - Parallel



BSPP Thread	O/D Stem	Pneufit	Pneufit D
G1/8	4	102150418	D02150418
G1/8	5	102150518	D02150518
G1/8	6	102150618	D02150618
G1/8	8	102150818	D02150818
G1/4	4	102150428	D02150428
G1/4	5	102150528	D02150528
G1/4	6	102150628	D02150628
G1/4	8	102150828	D02150828
G1/4	10	102151028	D02151028
G3/8	8	102150838	D02150838
G3/8	10	102151038	D02151038
G3/8	12	102151238	D02151238
G3/8	14	102151438	-
G1/2	10	102151048	D02151048
G1/2	12	102151248	D02151248
G1/2	14	102151448	-

Elbow Union (Equal)



O/D Tube	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
3	3	-	-	-	M00400300	-
4	4	C00400400	100400400	D00400400	M00400400	S00400400
5	5	-	100400500	D00400500	-	-
6	6	C00400600	100400600	D00400600	M00400600	S00400600
8	8	C00400800	100400800	D00400800	-	S00400800
10	10	C00401000	100401000	D00401000	-	S00401000
12	12	C00401200	100401200	D00401200	-	S00401200
14	14	-	100401400	-	-	-
16	16	C00401600	-	-	-	-

PUSH-IN FITTINGS PNEUFIT®

Elbow adaptors and connectors

Stem Elbow (Equal)



O/D Tube	O/D Stem	Pneufit C	Pneufit	Pneufit D
4	4	C00430400	100430400	D00430400
5	5	-	-	D00430500
6	6	C00430600	100430600	D00430600
8	8	C00430800	100430800	D00430800
10	10	C00431000	-	D00431000
12	12	C00431200	-	D00431200
16	16	C00431600	-	-

Fixed Elbow Adaptor - Taper



BSPT Thread	O/D Tube	Pneufit	Pneufit D
R1/8	4	101450418	-
R1/8	5	101450518	-
R1/8	6	101450618	D01450618
R1/8	8	101450818	-
R1/8	10	101451018	-
R1/4	4	101450428	-
R1/4	5	101450528	-
R1/4	6	101450628	D01450628
R1/4	8	101450828	D01450828
R1/4	10	101451028	D01451028
R1/4	12	101451228	-
R3/8	6	-	D01450638
R3/8	8	101450838	D01450838
R3/8	10	101451038	D01451038
R3/8	12	101451238	D01451238
R1/2	8	101450848	-
R1/2	10	101451048	-
R1/2	12	101451248	D01451248

PUSH-IN FITTINGS PNEUFIT®

Elbow adaptors and connectors

90° Swivel Elbow Adaptor - Parallel



Metric & BSPP Thread	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
M3	3	-	-	-	M02470303	-
M3	4	-	102470403	-	M02470403	-
M5	3	-	-	-	M02470305	-
M5	4	C02470405	102470405	-	M02470405	S02470405
M5	5	-	102470505	-	-	-
M5	6	C02470605	102470605	-	M02470605	-
M6	3	-	-	-	M02470306	-
M6	4	C02470406	-	-	M02470406	-
M6	6	C02470606	-	-	M02470606	-
G1/8	4	C02470418	102470418	D02470418	-	S02470418
G1/8	5	-	102470518	D02470518	-	-
G1/8	6	C02470618	102470618	D02470618	-	S02470618
G1/8	8	C02470818	102470818	D02470818	-	S02470818
G1/8	10	C02471018	102471018	-	-	-
G1/4	4	C02470428	102470428	D02470428	-	S02470428
G1/4	5	-	102470528	D02470528	-	-
G1/4	6	C02470628	102470628	D02470628	-	S02470628
G1/4	8	C02470828	102470828	D02470828	-	S02470828
G1/4	10	C02471028	102471028	D02471028	-	S02471028
G1/4	12	C02471228	102471228	-	-	-
G3/8	4	C02470438	-	-	-	-
G3/8	6	C02470638	-	-	-	-
G3/8	8	C02470838	102470838	D02470838	-	-
G3/8	10	C02471038	102471038	D02471038	-	S02471038
G3/8	12	C02471238	102471238	D02471238	-	S02471238
G3/8	14	-	102471438	-	-	-
G3/8	16	C02471638	-	-	-	-
G1/2	8	C02470848	102470848	-	-	-
G1/2	10	C02471048	102471048	D02471048	-	-
G1/2	12	C02471248	102471248	D02471248	-	S02471248
G1/2	14	-	102471448	-	-	-
G1/2	16	C02471648	-	-	-	-

PUSH-IN FITTINGS PNEUFIT®

Elbow adaptors and connectors

90° Swivel Elbow Adaptor - Taper



BSPT Thread	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
R1/8	4	C01470418	101470418	D01470418	M01470418	S01470418
R1/8	5	-	101470518	D01470518	-	-
R1/8	6	C01470618	101470618	D01470618	M01470618	S01470618
R1/8	8	C01470818	101470818	D01470818	-	S01470818
R1/8	10	C01471018	101471018	-	-	-
R1/8	12	C01471218	-	-	-	-
R1/4	4	C01470428	101470428	D01470428	-	S01470428
R1/4	5	-	101470528	-	-	-
R1/4	6	C01470628	101470628	D01470628	-	S01470628
R1/4	8	C01470828	101470828	D01470828	-	S01470828
R1/4	10	C01471028	101471028	D01471028	-	S01471028
R1/4	12	C01471228	101471228	-	-	-
R3/8	4	C01470438	-	-	-	-
R3/8	6	C01470638	-	-	-	-
R3/8	8	C01470838	101470838	D01470838	-	-
R3/8	10	C01471038	101471038	D01471038	-	S01471038
R3/8	12	C01471238	101471238	D01471238	-	S01471238
R3/8	14	-	101471438	-	-	-
R3/8	16	C01471638	-	-	-	-
R1/2	6	C01470648	-	-	-	-
R1/2	8	C01470848	101470848	-	-	-
R1/2	10	C01471048	101471048	-	-	-
R1/2	12	C01471248	101471248	D01471248	-	S01471248
R1/2	14	-	101471448	-	-	-
R1/2	16	C01471648	-	-	-	-

PUSH-IN FITTINGS PNEUFIT®

Elbow adaptors and connectors

**90° Swivel Elbow
Adaptor (Extended)**

Metric & BSPT Thread	O/D Tube	Pneufit C	Pneufit
M5	4	C02540405	-
M5	6	C02540605	-
M6	4	C02540406	-
M6	6	C02540606	-
R1/8	4	C01540418	101540418
R1/8	6	C01540618	101540618
R1/8	8	C01540818	101540818
R1/8	10	C01541018	-
R1/8	12	C01541218	-
R1/4	4	C01540428	101540428
R1/4	6	C01540628	101540628
R1/4	8	C01540828	101540828
R1/4	10	C01541028	-
R1/4	12	C01541228	-
R3/8	4	C01540438	101540838
R3/8	6	C01540638	-
R3/8	8	C01540838	-
R3/8	10	C01541038	101541038
R3/8	12	C01541238	-
R3/8	16	C01541638	-
R1/2	6	C01540648	-
R1/2	8	C01540848	-
R1/2	10	C01541048	-
R1/2	12	C01541248	-
R1/2	16	C01541648	-

PUSH-IN FITTINGS PNEUFIT®

Elbow adaptors and connectors

90° Swivel Elbow Adaptor (Female)



Metric & BSPT Thread	O/D Tube	Pneufit C
M5	4	C02480405
M5	6	C02480605
M6	4	C02480406
M6	6	C02480606
Rc1/8	4	C01480418
Rc1/8	6	C01480618
Rc1/8	8	C01480818
Rc1/4	4	C01480428
Rc1/4	6	C01480628
Rc1/4	8	C01480828
Rc1/4	10	C01481028
Rc1/4	12	C01481228
Rc3/8	6	C01480638
Rc3/8	8	C01480838
Rc3/8	10	C01481038
Rc3/8	12	C01481238
Rc1/2	10	C01481048
Rc1/2	12	C01481248

45° Swivel Adaptor - Parallel



BSPP Thread	O/D Stem	Pneufit
G1/8	6	102570618
G1/8	8	102570818
G1/4	6	102570628
G1/4	8	102570828

Bulkhead Swivel Elbow Connector



O/D Tube	Bulkhead thread	Pneufit C	Pneufit
4	M12 x1,0	C00490400	100490400
5	M12x1,0	-	100490500
6	M14x1,0	C00490600	-
6	M14x1,5	-	100490600
8	M16 x 1	C00490800	-
8	M16x1,5	-	100490800
10	M20 x 1	C00491000	-
10	M22x1,5	-	100491000
12	M22 x 1	C00491200	-
12	M24x1,5	-	100491200

PUSH-IN FITTINGS PNEUFIT®

Y and quadruple connectors

Union Y (Equal)



		Pneufit C	Pneufit	Pneufit D	Pneufit M
O/D Tube	O/D Tube				
3	3	-	-	-	M00820300
4	4	C00820400	100820400	D00820400	M00820400
6	6	C00820600	100820600	D00820600	M00820600
8	8	C00820800	100820800	D00820800	-
10	8	-	-	D00821008	-
10	10	C00821000	100821000	D00821000	-
12	12	C00821200	-	D00821200	-

Union Y (Unequal)



		Pneufit C	Pneufit	Pneufit M
O/D Tube	O/D Tube			
4	3	-	-	M00820403
4	6	C00820604	-	-
4	8	C00820804	-	-
6	3	-	-	M00820603
6	4	-	100820604	M00820604
6	10	C00821006	-	-
8	6	-	100820806	-
8	10	C00821008	-	-
8	12	C00821208	-	-
10	8	-	100821008	-
10	12	C00821210	-	-

U bend



O/D Tube	Pneufit D
6	D00890600
8	D00890800
10	D00891000
12	D00891200

PUSH-IN FITTINGS PNEUFIT®

Y and quadruple connectors

Swivel Y Adaptor - Taper



BSPT Thread	O/D Tube	Pneufit C	Pneufit
R1/8	4	C01880418	101880418
R1/8	6	C01880618	101880618
R1/8	8	C01880818	101880818
R1/8	10	C01881018	-
R1/8	12	C01881218	-
R1/4	4	C01880428	-
R1/4	6	C01880628	-
R1/4	8	C01880828	101880828
R1/4	10	C01881028	-
R1/4	12	C01881228	-
R3/8	4	C01880438	-
R3/8	6	C01880638	-
R3/8	8	C01880838	-
R3/8	10	C01881038	101881038
R3/8	12	C01881238	-
R1/2	6	C01880648	-
R1/2	8	C01880848	-
R1/2	10	C01881048	101881048
R1/2	12	C01881248	-

PUSH-IN FITTINGS PNEUFIT®

Y and quadruple connectors

**Swivel Y
Adaptor - Parallel**

Metric & BSPP Thread	O/D Tube	Pneufit C	Pneufit
M5	4	C02880405	102880405
M5	6	C02880605	102880605
M6	4	C02880406	-
M6	6	C02880606	-
G1/8	4	C02880418	-
G1/8	6	C02880618	-
G1/8	8	C02880818	-
G1/8	10	C02881018	-
G1/4	4	C02880428	-
G1/4	6	C02880628	-
G1/4	8	C02880828	-
G1/4	10	C02881028	-
G1/4	12	C02881228	-
G3/8	4	C02880438	-
G3/8	6	C02880638	-
G3/8	8	C02880838	-
G3/8	10	C02881038	-
G3/8	12	C02881238	-
G1/2	6	C02880648	-
G1/2	8	C02880848	-
G1/2	10	C02881048	-
G1/2	12	C02881248	-

**Stem Y
(Equal)**

		Pneufit C
O/D Stem	O/D Tube	
4	4	C00840400
6	6	C00840600
8	8	C00840800
10	10	C00841000
12	12	C00841200

PUSH-IN FITTINGS PNEUFIT®

Y and quadruple connectors

Stem Y (Unequal)



		Pneufit C
O/D Stem	O/D Tube	
6	4	C00840604
8	6	C00840806
10	8	C00841008
12	10	C00841210

Quadruple Y Adaptor



		Pneufit C
BSPP & BSPT Thread	O/D Tube	
R1/8	4	C01950418
R1/8	6	C01950618
R1/4	4	C01950428
R1/4	6	C01950628
G1/8	4	C02950418
G1/8	6	C02950618
G1/4	4	C02950428
G1/4	6	C02950628

Quadruple Reducer



		Pneufit C
O/D Tube	O/D Tube	
6	4	C00960604
8	6	C00960806

Quadruple Reducer



		Pneufit C
O/D Tube	O/D Tube	
6	4	C00970604
8	6	C00970806

PUSH-IN FITTINGS PNEUFIT®

Tee adaptors and connectors

Union Tee (Equal)



O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
3	-	-	-	M00600300	-
4	C00600400	100600400	D00600400	M00600400	S00600400
5	-	100600500	D00600500	-	-
6	C00600600	100600600	D00600600	M00600600	S00600600
8	C00600800	100600800	D00600800	-	S00600800
10	C00601000	100601000	D00601000	-	S00601000
12	C00601200	100601200	D00601200	-	S00601200
14	-	100601400	-	-	-
16	C00601600	-	-	-	-

Fixed Tee Adaptor - Taper



BSPT Thread	O/D Tube	Pneufit
R1/8	4	101650418
R1/8	5	101650518
R1/8	6	101650618
R1/8	8	101650818
R1/4	6	101650628
R1/4	8	101650828
R1/4	10	101651028
R1/4	12	101651228

Union Tee (Unequal)



O/D Tube	O/D Tube	Pneufit C	Pneufit D
4	6	C006A0604	-
6	8	C006A0806	-
6	10	C006A1006	D006A1006
8	10	C006A1008	-
8	12	C006A1208	-
10	12	C006A1210	D006A1210
10	16	C006A1610	-
12	16	C006A1612	-

PUSH-IN FITTINGS PNEUFIT®

Tee adaptors and connectors

Fixed Side Tee Adaptor - Taper



		Pneufit
BSPT Thread	O/D Tube	
R1/8	4	101750418
R1/8	5	101750518
R1/8	6	101750618
R1/8	8	101750818
R1/4	5	101750528
R1/4	6	101750628
R1/4	8	101750828
R1/4	10	101751028
R1/4	12	101751228
R3/8	8	101750838
R3/8	10	101751038
R3/8	12	101751238

PUSH-IN FITTINGS PNEUFIT®

Tee adaptors and connectors

Swivel Tee Adaptor - Parallel



Metric & BSPP Thread	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
M3	3	-	-	-	M02670303	-
M3	4	-	-	-	M02670403	-
M5	3	-	-	-	M02670305	-
M5	4	C02670405	102670405	-	M02670405	S02670405
M5	5	-	102670505	-	-	-
M5	6	C02670605	102670605	-	M02670605	-
M6	3	-	-	-	M02670306	-
M6	4	C02670406	-	-	M02670406	-
M6	6	C02670606	-	-	-	-
G1/8	4	C02670418	102670418	D02670418	-	S02670418
G1/8	5	-	102670518	D02670518	-	-
G1/8	6	C02670618	102670618	D02670618	-	S02670618
G1/8	8	C02670818	102670818	D02670818	-	S02670818
G1/8	10	C02671018	-	-	-	-
G1/4	4	C02670428	102670428	D02670428	-	-
G1/4	5	-	-	D02670528	-	-
G1/4	6	C02670628	102670628	D02670628	-	S02670628
G1/4	8	C02670828	102670828	D02670828	-	S02670828
G1/4	10	C02671028	102671028	D02671028	-	S02671028
G1/4	12	C02671228	102671228	-	-	-
G3/8	4	C02670438	-	-	-	-
G3/8	6	C02670638	-	-	-	-
G3/8	8	C02670838	102670838	D02670838	-	-
G3/8	10	C02671038	102671038	D02671038	-	S02671038
G3/8	12	C02671238	102671238	D02671238	-	S02671238
G3/8	14	-	102671438	-	-	-
G3/8	16	C02671638	-	-	-	-
G1/2	8	C02670848	-	-	-	-
G1/2	10	C02671048	-	D02671048	-	S02671048
G1/2	12	C02671248	-	D02671248	-	-
G1/2	14	-	102671448	-	-	-
G1/2	16	C02671648	-	-	-	-

PUSH-IN FITTINGS PNEUFIT®

Tee adaptors and connectors

Swivel Tee Adaptor - Taper



BSPT Thread	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M	Pneufit S
R1/8	4	C01670418	101670418	D01670418	M01670418	S01670418
R1/8	5	-	101670518	D01670518	-	-
R1/8	6	C01670618	101670618	D01670618	M01670618	S01670618
R1/8	8	C01670818	101670818	D01670818	-	S01670818
R1/8	10	C01671018	-	-	-	-
R1/8	12	C01671218	-	-	-	-
R1/4	4	C01670428	101670428	D01670428	-	-
R1/4	5	-	-	D01670528	-	-
R1/4	6	C01670628	101670628	D01670628	-	S01670628
R1/4	8	C01670828	101670828	D01670828	-	S01670828
R1/4	10	C01671028	101671028	D01671028	-	S01671028
R1/4	12	C01671228	101671228	-	-	-
R3/8	4	C01670438	-	-	-	-
R3/8	6	C01670638	-	-	-	-
R3/8	8	C01670838	101670838	D01670838	-	-
R3/8	10	C01671038	101671038	D01671038	-	S01671038
R3/8	12	C01671238	101671238	D01671238	-	S01671238
R3/8	14	-	101671438	-	-	-
R3/8	16	C01671638	-	-	-	-
R1/2	6	C01670648	-	-	-	-
R1/2	8	C01670848	-	-	-	-
R1/2	10	C01671048	101671048	D01671048	-	S01671048
R1/2	12	C01671248	101671248	D01671248	-	S01671248
R1/2	14	-	101671448	-	-	-
R1/2	16	C01671648	-	-	-	-

PUSH-IN FITTINGS PNEUFIT®

Tee adaptors and connectors

**Swivel Tee
Adaptor (Female)**

		Pneufit C
Metric & BSPT Thread	O/D Tube	
M5	4	C026C0405
M5	6	C026C0605
M6	4	C026C0406
M6	6	C026C0606
Rc1/8	4	C016C0418
Rc1/8	6	C016C0618
Rc1/8	8	C016C0818
Rc1/8	10	C016C1018
Rc1/4	4	C016C0428
Rc1/4	6	C016C0628
Rc1/4	8	C016C0828
Rc1/4	10	C016C1028
Rc1/4	12	C016C1228
Rc3/8	6	C016C0638
Rc3/8	8	C016C0838
Rc3/8	10	C016C1038
Rc3/8	12	C016C1238
Rc1/2	8	C016C0848
Rc1/2	10	C016C1048
Rc1/2	12	C016C1248

PUSH-IN FITTINGS PNEUFIT®

Tee adaptors and connectors

Swivel Side Tee Adaptor - Parallel



Metric & BSPP Thread	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M
M3	3	-	-	-	M02680303
M3	4	-	-	-	M02680403
M5	3	-	-	-	M02680305
M5	4	C02680405	102680405	-	M02680405
M5	6	C02680605	-	-	M02680605
M6	3	-	-	-	M02680306
M6	4	C02680406	-	-	M02680406
M6	6	C02680606	-	-	M02680606
G1/8	4	C02680418	102680418	D02680418	-
G1/8	5	-	-	D02680518	-
G1/8	6	C02680618	102680618	D02680618	-
G1/8	8	C02680818	102680818	D02680818	-
G1/8	10	C02681018	-	-	-
G1/4	4	C02680428	-	D02680428	-
G1/4	5	-	-	D02680528	-
G1/4	6	C02680628	102680628	D02680628	-
G1/4	8	C02680828	102680828	D02680828	-
G1/4	10	C02681028	102681028	D02681028	-
G1/4	12	C02681228	102681228	-	-
G3/8	4	C02680438	-	-	-
G3/8	6	C02680638	-	-	-
G3/8	8	C02680838	102680838	D02680838	-
G3/8	10	C02681038	102681038	D02681038	-
G3/8	12	C02681238	102681238	D02681238	-
G3/8	14	-	102681438	-	-
G1/2	8	C02680848	-	-	-
G1/2	10	C02681048	-	D02681048	-
G1/2	12	C02681248	-	D02681248	-
G1/2	14	-	102681448	-	-

PUSH-IN FITTINGS

Tee adaptors and connectors



Stem Tee (Unequal)

		Pneufit C
O/D Stem	O/D Tube	
6	4	C00630604
8	6	C00630806
10	8	C00631008
12	10	C00631210



Stem Tee (Equal)

		Pneufit C
O/D Stem	O/D Tube	
4	4	C00640400
6	6	C00640600
8	8	C00640800
10	10	C00641000
12	12	C00641200



Stem Tee (Unequal)

		Pneufit C
O/D Stem	O/D Tube	
6	4	C00640604
8	6	C00640806
10	8	C00641008
12	10	C00641210

PUSH-IN FITTINGS

Tee adaptors and connectors

Swivel Side Tee Adaptor - Taper



BSPT Thread	O/D Tube	Pneufit C	Pneufit	Pneufit D	Pneufit M
R1/8	4	COK510305	101680418	D01680418	M01680418
R1/8	5	COK510405	101680518	D01680518	-
R1/8	6		101680618	D01680618	-
R1/8	8	COK510605	101680818	D01680818	-
R1/8	10	COK510418	101681018		-
R1/8	12		-		-
R1/4	4	COK510618	101680428	D01680428	-
R1/4	5	-	-	D01680528	-
R1/4	6	COK510818	101680628	D01680628	-
R1/4	8	COK510428	101680828	D01680828	-
R1/4	10	COK510628	101681028	D01681028	-
R1/4	12	COK510828	101681228		-
R3/8	4	COK511028	-		-
R3/8	6	COK511228	-		-
R3/8	8	COK510638	101680838	D01680838	-
R3/8	10	COK510838	-	D01681038	-
R3/8	12	COK511038	101681238	D01681238	-
R3/8	14	COK511238	101681438		-
R1/2	6	COK510848	-		-
R1/2	8	COK511048	-		-
R1/2	10	COK511248	-		-
R1/2	12		101681248	D01681248	-
R1/2	14		101681448		-



Stem Tee (Equal)

O/D Stem	O/D Tube	Pneufit C
4	4	C00630400
6	6	C00630600
8	8	C00630800
10	10	C00631000
12	12	C00631200

PUSH-IN FITTINGS

Banjo flow controller and banjo accessories

Banjo Flow Assembly - Taper (Regulating In)



BSPT Thread	O/D Tube	Pneufit C
R1/8	4	COSA00418
R1/8	8	COSA00618
R1/8	8	COSA00818
R1/4	4	COSA00428
R1/4	6	COSA00628
R1/4	8	COSA00828
R1/4	10	COSA01028
R1/4	12	COSA01228
R3/8	6	COSA00638
R3/8	8	COSA00838
R3/8	10	COSA01038
R3/8	12	COSA01238
R1/2	8	COSA00848
R1/2	10	COSA01048
R1/2	12	COSA01248

Banjo Flow Control - Parallel (Regulating In)



Metric & BSPP Thread	O/D Tube	Pneufit C
M5	3	COL510305
M5	4	COL510405
M5	6	COL510605
G1/8	4	COL510418
G1/8	6	COL510618
G1/8	8	COL510818
G1/4	4	COL510428
G1/4	6	COL510628
G1/4	8	COL510828
G1/4	10	COL511028
G1/4	12	COL511228
G3/8	6	COL510638
G3/8	8	COL510838
G3/8	10	COL511038
G3/8	12	COL511238
G1/2	8	COL510848
G1/2	10	COL511048
G1/2	12	COL511248

PUSH-IN FITTINGS

Banjo flow controller and banjo accessories

Banjo Flow Control - Parallel (Regulating Out)



Metric & BSPP Thread	O/D Tube	Pneufit C	Pneufit
M5	3	COK510305	-
M5	4	COK510405	10K510405
M5	5		10K510505
M5	6	COK510605	10K510605
G1/8	4	COK510418	10K510418
G1/8	5		10K510518
G1/8	6	COK510618	10K510618
G1/8	8	COK510818	10K510818
G1/4	4	COK510428	-
G1/4	6	COK510628	10K510628
G1/4	8	COK510828	10K510828
G1/4	10	COK511028	10K511028
G1/4	12	COK511228	-
G3/8	6	COK510638	-
G3/8	8	COK510838	10K510838
G3/8	10	COK511038	10K511038
G3/8	12	COK511238	10K511238
G1/2	8	COK510848	-
G1/2	10	COK511048	-
G1/2	12	COK511248	10K511248

PUSH-IN FITTINGS

Banjo flow controller and banjo accessories

Banjo Flow Control - Taper (Regulating Out)



BSPT Thread	O/D Tube	Pneufit C	Pneufit
R1/8	4	C0TAO0418	10TA00418
R1/8	6	C0TAO0618	10TA00618
R1/8	8	C0TAO0818	-
R1/4	4	C0TAO0428	-
R1/4	6	C0TAO0628	10TA00628
R1/4	8	C0TAO0828	10TA00828
R1/4	10	C0TAO1028	10TA01028
R1/4	12	C0TAO1228	-
R3/8	6	C0TAO0638	-
R3/8	8	C0TAO0838	10TA00838
R3/8	10	C0TAO1038	10TA01038
R3/8	12	C0TAO1238	-
R1/2	8	C0TAO0848	-
R1/2	10	C0TAO1048	-
R1/2	12	C0TAO1248	10TA01248

Banjo Flow Assembly (Regulating Out)



BSPT Thread	O/D Tube	Pneufit
R1/8	4	10T000418
R1/8	6	10T000618
R1/8	8	10T000818
R1/4	6	10T000628
R1/4	8	10T000828
R1/4	10	10T001028
R3/8	8	10T000838
R3/8	10	10T001038
R1/2	12	10T001248

PUSH-IN FITTINGS

Banjo flow controller and banjo accessories

Swivel Banjo (Regulating Out - Taper)



BSPT Thread	O/D Tube	Pneufit C
R1/8	4	COT560418
R1/8	6	COT560618
R1/8	8	COT560818
R1/4	4	COT560428
R1/4	6	COT560628
R1/4	8	COT560828
R1/4	10	COT561038
R1/4	12	COT561228
R3/8	6	COT560638
R3/8	8	COT560838
R3/8	10	COT561048
R3/8	12	COT561238
R1/2	8	COT560828
R1/2	10	COT561048
R1/2	12	COT561248

Swivel Banjo Flow Control (Regulating Out - Parallel)



Metric & BSPP Thread	O/D Tube	Pneufit C
M5	4	COK560405
M5	6	COK560605
G1/8	4	COK560418
G1/8	6	COK560618
G1/8	8	COK560818
G1/4	4	COK560428
G1/4	6	COK560628
G1/4	8	COK560828
G1/4	10	COK561038
G1/4	12	COK561228
G3/8	6	COK560638
G3/8	8	COK560838
G3/8	10	COK561048
G3/8	12	COK561238
G1/2	8	COK560828
G1/2	10	COK561048
G1/2	12	COK561248

PUSH-IN FITTINGS

Banjo flow controller and banjo accessories

Shrouded Banjo (Regulating Out - Taper)



BSPT Thread	O/D Tube	Pneufit C
R1/8	4	COTB00418
R1/8	6	COTB00618
R1/8	8	COTB00818
R1/4	4	COTB00428
R1/4	6	COTB00628
R1/4	8	COTB00828
R1/4	10	COTB01028
R1/4	12	COTB01228
R3/8	6	COTB00638
R3/8	8	COTB00838
R3/8	10	COTB01038
R3/8	12	COTB01238
R1/2	8	COTB00848
R1/2	10	COTB01048
R1/2	12	COTB01248

Shrouded Banjo (Regulating Out - Parallel)



BSPT Thread	O/D Tube	Pneufit C
M5	4	COKB00405
M5	6	COKB00605
G1/8	4	COKB00418
G1/8	6	COKB00618
G1/8	8	COKB00818
G1/4	4	COKB00428
G1/4	6	COKB00628
G1/4	8	COKB00828
G1/4	10	COKB01028
G1/4	12	COKB01228
G3/8	6	COKB00638
G3/8	8	COKB00838
G3/8	10	COKB01038
G3/8	12	COKB01238
G1/2	8	COKB00848
G1/2	10	COKB01048
G1/2	12	COKB01248

PUSH-IN FITTINGS

Banjo flow controller and banjo accessories

Elbow Banjo Assembly (Non-Regulating Bolt - Parallel)



Metric & BSPP Thread	O/D Tube	Pneufit C	Pneufit
M5	4	COA510405	10A510405
M5	5	-	10A510505
M5	6	COA510605	10A510605
G1/8	4	COA510418	10A510418
G1/8	6	COA510618	10A510618
G1/8	8	COA510818	10A510818
G1/4	4	COA510428	-
G1/4	6	COA510628	10A510628
G1/4	8	COA510828	10A510828
G1/4	10	COA511028	10A511028
G3/8	6	COA510638	-
G3/8	8	COA510838	10A510838
G3/8	10	COA511038	10A511038
G3/8	12	COA511238	-
G1/2	8	COA510848	-
G1/2	10	COA511048	-
G1/2	12	COA511248	-

Tee Banjo Assembly (Non-Regulating Bolt - Parallel)



Metric & BSPP Thread	O/D Tube	Pneufit
M5	4	10A710405
G1/8	4	10A710418
G1/8	6	10A710618
G1/8	8	10A710818
G1/4	6	10A710628
G1/4	8	10A710828

Regulating Out Banjo Parallel Bolts Single Stacking (screwdriver adjustable - Parallel)



Metric & BSPP Thread	Flow	Pneufit
M5	Reg in	20L000005
G1/8A	Reg out	20K000018
G1/8A	Reg in	20L000018
G1/8A	Bi direc	20M000018
G1/4A	Reg out	20K000028
G1/4A	Reg in	20L000028
G1/4A	Bi direc	20M000028
G3/8A	Reg in	20L000038
G1/2A	Bi direc	20M000048

PUSH-IN FITTINGS

Banjo flow controller and banjo accessories

Elbow banjo Body - Taper



Bolt Thread	O/D Tube	Pneufit
M5	4	100510405
M5	5	100510505
M5	6	100510605
G1/8	4	100510418
G1/8	6	100510618
G1/8	8	100510818
G1/4	6	100510628
G1/4	8	100510828
G1/4	10	100511028
G3/8	8	100510838
G3/8	10	100511038
G3/8	12	100511238
G1/2	12	100511248

Tee Banjo Body - Taper



Bolt Thread	O/D Tube	Pneufit
M5	4	100710405
M5	6	100710605
G1/8	4	100710418
G1/8	6	100710618
G1/8	8	100710818
G1/4	6	100710628
G1/4	8	100710828

Banjo Bolt Parallel Non-Regulating Single Stacking - Parallel



Metric & BSPP Thread	Pneufit
M5	20A000005
G1/8	20A000018
G1/4	20A000028
G3/8	20A000038
G1/2	20A000048

Flow Control + Pilot Check - Taper



BSPT Thread	O/D Tube	Pneufit C
R1/8	6	C01GN0618
R1/8	8	C01GN0818
R1/4	6	C01GN0628
R1/4	8	C01GN0828
R3/8	8	C01GN0838
R3/8	10	C01GN1038
R3/8	12	C01GN1238
R1/2	10	C01GN1048
R1/2	12	C01GN1248

Flow Control + Pilot Check - Parallel



BSPP Thread	O/D Tube	Pneufit C
G1/8	6	C02GN0618
G1/8	8	C02GN0818
G1/4	6	C02GN0628
G1/4	8	C02GN0828
G3/8	8	C02GN0838
G3/8	10	C02GN1038
G3/8	12	C02GN1238
G1/2	10	C02GN1048

PUSH-IN FITTINGS

Banjo flow controller and banjo accessories

Banjo Bolt

Non-Regulating Single Stacking with top port - Parallel



		Pneufit
Bolt Thread	Port Thread	
G1/8	G1/8	20E001818
G1/4	G1/4	20F002828
G3/8	G3/8	20G003838

Banjo Bolt Non-Regulating Double Stacking - Parallel



		Pneufit
Metric & BSPP Thread		
M5		20B000005
G1/8		20B000018
G1/4		20B000028
G3/8		20B000038
G1/2		20B000048

Banjo Bolt Non-Regulating Triple Stacking - Parallel



		Pneufit
BSPP Thread		
G1/8		20C000018
G1/4		20C000028
G3/8		20C000038

PUSH-IN FITTINGS

Cross and manifolds



Union Cross

O/D Tube	Pneufit C	Pneufit D
4	C00900400	D00900400
6	C00900600	D00900600
8	C00900800	D00900800
10	C00901000	D00901000
12	C00901200	D00901200

Stem Manifold



O/D Stem	O/D Tube	O/D Tube	Pneufit C
6	4	6	C00J30604
8	4	8	C00J30804
8	6	8	C00J30806
10	8	10	C00J31008

PUSH-IN FITTINGS

Cross and manifolds

Elbow Manifold



		Pneufit
O/D Tube Inlet	O/D Tube Outlet (x6)	
8	4	100D60804
8	6	100D60806
10	6	100D61006
10	8	100D61008

Elbow Manifold - Taper



			Pneufit
BSPT Thread	O/D Tube Inlet	O/D Tube Outlet (x6)	
R1/4	8	6	101D60628
R3/8	8	6	101D60638
R1/2	10	8	101D60848

Manifold Union



		Pneufit C
O/D Tube Outlet	O/D Tube Inlet	
4	6	C00D30604
4	8	C00D30804
6	8	C00D30806
6	10	C00D31006
8	10	C00D31008

Adaptor Manifold - Taper



			Pneufit C
BSPT Thread	O/D Tube	O/D Tube	
R1/8	4	6	C01D30418
R1/8	4	8	C01D30428
R1/4	6	8	C01D30628
R3/8	8	10	C01D30838

PUSH-IN FITTINGS

Banjos



Branch adaptor (Female)

Metric & BSPP & BSPT Thread	O/D Tube	Pneufit C
M5	4	C0D7K0405
G1/8	6	C0E7K0618
G1/4	8	C0F7K0828
G1/4	10	C0F7K1028
G3/8	10	C0G7K1038
G3/8	12	C0G7K1238
G1/2	12	C0H7K1248
R1/8	6	C0E7J0618
R1/4	8	C0F7J0828
R1/4	10	C0F7J1028
R3/8	10	C0G7J1038
R3/8	12	C0G7J1238
R1/2	12	C0H7J1248



Branch adaptor (Male)

Metric & BSPP & BSPT Thread	O/D Tube	Pneufit C
M5	4	C0A700405
G1/8	6	C0A700618
G1/4	8	C0A700828
G1/4	10	C0A701028
G3/8	10	C0A701038
G3/8	12	C0A701238
G1/2	12	C0A701248
R1/8	6	C0N700618
R1/4	8	C0N700828
R1/4	10	C0N701028
R3/8	10	C0N701038
R3/8	12	C0N701238
R1/2	12	C0N701248

Banjo with Top Port - M5 & Taper



Metric & BSPT Thread	O/D Tube	Pneufit C
M5	4	C0D510405
M5	6	C0D510605
R1/8	4	C0E510418
R1/8	6	C0E510618
R1/8	8	C0E510818
R1/4	4	C0F510428
R1/4	6	C0F510628
R1/4	8	C0F510828
R1/4	10	C0F511028
R3/8	6	C0G510638
R3/8	8	C0G510838
R3/8	10	C0G511038

PUSH-IN FITTINGS

Self sealing adaptors

Elbow Self-Seal



		Pneufit C
BSPT Thread	O/D Tube	
R1/8	4	C014J0418
R1/8	6	C014J0618
R1/8	8	C014J0818
R1/4	6	C014J0628
R1/4	8	C014J0828
R1/4	10	C014J1028
R3/8	10	C014J1038
R3/8	12	C014J1238
R1/2	10	C014J1048
R1/2	12	C014J1248

Elbow Self-Seal



		Pneufit C
Metric & BSPP Thread	O/D Tube	
M5	4	C024J0405
M5	6	C024J0605
G1/8	4	C024J0418
G1/8	6	C024J0618
G1/4	6	C024J0628
G1/4	8	C024J0828
G1/4	10	C024J1028
G3/8	8	C024J0838
G3/8	10	C024J1038
G3/8	12	C024J1238
G1/2	10	C024J1048
G1/2	12	C024J1248

Union Straight Self-Seal



		Pneufit C
O/D Tube		
4		C002J0400
6		C002J0600
8		C002J0800
10		C002J1000
12		C002J1200

PUSH-IN FITTINGS

Self sealing adaptors

Straight Self-Seal - Taper



BSPT Thread	O/D Tube	Pneufit C
R1/8	4	C01240418
R1/8	6	C01240618
R1/4	6	C01240628
R1/4	8	C01240828
R1/4	10	C01241028
R1/4	12	C01241228
R3/8	8	C01240838
R3/8	10	C01241038
R3/8	12	C01241238
R1/2	10	C01241048
R1/2	12	C01241248

Straight Self-Seal - Parallel



BSPP Thread	O/D Tube	Pneufit C
G1/8	4	C02240418
G1/8	6	C02240618
G1/4	6	C02240628
G1/4	8	C02240828
G1/4	10	C02241028
G1/4	12	C02241228
G3/8	8	C02240838
G3/8	10	C02241038
G3/8	12	C02241238
G1/2	10	C02241048
G1/2	12	C02241248

PUSH-IN FITTINGS

Shut Off Valves

2/2 shut-off tube/tube



O/D Tube	Pneufit D
6	D00GR0600
10	D00GR1000
12	D00GR1200

3/2 Shut off valves (Taper Male/Tube)



BSPT Thread	O/D Tube	Pneufit C
R1/8	6	C01GJ0618
R1/8	8	C01GJ0818
R1/4	6	C01GJ0628
R1/4	8	C01GJ0828
R1/4	10	C01GJ1028
R1/4	12	C01GJ1228
R3/8	6	C01GJ0638
R3/8	8	C01GJ0838
R3/8	10	C01GJ1038
R3/8	12	C01GJ1238
R1/2	10	C01GJ1048
R1/2	12	C01GJ1248

3/2 Shut off valves (Taper Male)



BSPT Thread	Pneufit C
R1/8	C01GG1818
R1/4	C01GG2828
R3/8	C01GG3838
R1/2	C01GG4848

3/2 Shut off valves (Tube/Taper Male)



BSPT Thread	O/D Tube	Pneufit C
R1/8	6	C01GH0618
R1/8	8	C01GH0818
R1/4	6	C01GH0628
R1/4	8	C01GH0828
R1/4	10	C01GH1028
R1/4	12	C01GH1228
R3/8	6	C01GH0638
R3/8	8	C01GH0838
R3/8	10	C01GH1038
R3/8	12	C01GH1238
R1/2	10	C01GH1048
R1/2	12	C01GH1248

3/2 Shut off valves (Tube/Tube)



O/D Tube	Pneufit C
6	C00GF0600
8	C00GF0800
10	C00GF1000
12	C00GF1200

BSP & HOSE FITTINGS

M5, 1/8" ... 1" BSP

- » Bright nickel plated
- » Corrosion resistant
- » Compact design
- » Washers included where necessary



Technical data

Medium:

Compressed air or any fluids compatible with the materials listed opposite

Operating pressure:

Generally limited by tubing specification, except non regulating banjo bolts (max 18 bar) and regulating banjo bolts (max 10 bar) due to sealing washer

Ambient temperature:

Generally limited by tubing specification except where plastic sealing washers are used (banjo bolts, and M5 units). In these cases temperature is limited to +70°C.

Materials

Bar parts: Brass to BS 2874:

1986 (CZ 121), bright nickel plated

Stamped parts: Brass to BS 2872:

1969 (CZ 122), bright nickel plated

Sealing washers: Copper (Acetal for M5 items)

BSP & HOSE FITTINGS

M5, 1/8" ... 1" BSP

Nipple Adaptor (parallel threads)



Model	Metric & BSPP Thread	Metric & BSPP Thread
160200505	M5	M5
160201805	G1/8	M5
160201818	G1/8	G1/8
160202818	G1/4	G1/8
160202828	G1/4	G1/4
160203828	G3/8	G1/4
160203838	G3/8	G3/8
160204828	G1/2	G1/4
160204838	G1/2	G3/8
160204848	G1/2	G1/2
160206848	G3/4	G1/2
160206868	G3/4	G1/2
160208848	G1	G1/2
160208868	G1	G3/4
160208888	G1	G1

Supplied with sealing washers

Nipple Adaptor (taper threads)



Model	BSPT Thread	BSPT Thread
150201818	R1/8	R1/8
150202818	R1/4	R1/8
150202828	R1/4	R1/4
150203818	R3/8	R1/8
150203828	R3/8	R1/4
150203838	R3/8	R3/8
150204818	R1/2	R1/8
150204828	R1/2	R1/4
150204838	R1/2	R3/8
150204848	R1/2	R1/2
150206828	R3/4	R1/4
150206838	R3/4	R3/8
150206848	R3/4	R1/2
150206868	R3/4	R3/4
150208838	R1	R3/8
-	R1	R1/2
150208868	R1	R3/4
150208888	R1	R1

Sleeve Adaptor (parallel threads)



Model	Metric & BSPP Thread	Metric & BSPP Thread
160220505	M5	M5
160221805	G1/8	M5
160221818	G1/8	G1/8
160222818	G1/4	G1/8
160222828	G1/4	G1/4
160223818	G3/8	G1/8
160223828	G3/8	G1/4
160223838	G3/8	G3/8
160224818	G1/2	G1/8
160224828	G1/2	G1/4
160224838	G1/2	G3/8
160224848	G1/2	G1/2
160226848	G3/4	G1/2
160226868	G3/4	G3/4
160228868	G1	G3/4
160228888	G1	G1

Bulkhead Connector



Model	Metric & BSPP Thread	Male Metric Thread
160290005	M5	M10x1,0
160290018	G1/8	M16x1,5
160290028	G1/4	M20x1,5
160290038	G3/8	M26x1,5
160290048	G1/2	M28x1,5
160290068	G3/4	M33x1,5
160290088	G1	M42x1,5
1602900A8	G1 1/4	M48x1,5

Supplied with locknut

BSP & HOSE FITTINGS

M5, 1/8" ... 1" BSP



BSPP reducing connector

Model	Male BSPP	Female BSPP
160231805	G1/8	M5
160232805	G1/4	M5
160232818	G1/4	G1/8
160233818	G3/8	G1/8
160233828	G3/8	G1/4
160234818	G1/2	G1/8
160234828	G1/2	G1/4
160234838	G1/2	G3/8
160236828	G3/4	G1/4
160236838	G3/4	G3/8
160236848	G3/4	G1/2



BSP reducing connector

Model	Male BSPT	Female BSPP
150231818	R1/8	G1/8
150232818	R1/4	G1/8
150232828	R1/4	G1/4
150233818	R3/8	G1/8
150233828	R3/8	G1/4
150233838	R3/8	G3/8
150234818	R1/2	G1/8
150234828	R1/2	G1/4
150234838	R1/2	G3/8
150234848	R1/2	G1/2
150236828	R3/4	G1/4
150236838	R3/4	G3/8
150236848	R3/4	G1/2
150238838	R1	G3/8
150238848	R1	G1/2
150238868	R1	G3/4



BSPP expanding connector

Model	Male metric or BSPP	Female BSPP
160230518	M5	G1/8
160231828	G1/8	G1/4
160231838	G1/8	G3/8
160232838	G1/4	G3/8
160232848	G1/4	G1/2
160232868	G1/4	G3/4
160233848	G3/8	G1/2
160233868	G3/8	G3/4
160234868	G1/2	G3/4

Supplied with sealing washer



BSPP expanding connector

Model	Male BSPT	Female BSPP
150231828	R1/8	G1/4
150231838	R1/8	G3/8
150231848	R1/8	G1/2
150232838	R1/4	G3/8
150232848	R1/4	G1/2
-	R1/4	G3/4
150233848	R3/8	G1/2
150233868	R3/8	G3/4
150234868	R1/2	G3/4
150236888	R3/4	G1

BSP & HOSE FITTINGS

M5, 1/8" ... 1" BSP

Elbow Connector (Parallel Threads)



Model	Female BSPP
160420018	G1/8
160420028	G1/4
160420038	G3/8
160420048	G1/2
160420068	G3/4

Elbow



Model	Female BSPP
160420018	G1/8
160420028	G1/4
160420038	G3/8
160420048	G1/2
160420068	G3/4

Plug



Model	Metric & BSPP Thread
160050005	M5
160050018	G1/8
160050028	G1/4
160050038	G3/8
160050048	G1/2
160050068	G3/4
160050088	G1

Supplied with sealing washer

Elbow



Model	Male BSPT	Female BSPP
150430018	R1/8	G1/8
150430028	R1/4	G1/4
150430038	R3/8	G3/8
150430048	R1/2	G1/2
150430068	R3/4	G3/4

BSP & HOSE FITTINGS

M5, 1/8" ... 1" BSP

Tee



Model	Female BSPP
160620018	G1/8
160620028	G1/4
160620038	G3/8
160620048	G1/2
160620068	G3/4

Tee



Model	Male BSPT	Female BSPP
150690018	R1/8	G1/8
150690028	R1/4	G1/4
150690038	R3/8	G3/8
150690048	R1/2	G1/2

Elbow Banjo Assembly Non-Regulating



Model	Male BSPT	Female BSPP
16A511818	G1/8	G1/8
16A512828	G1/4	G1/4
16A513838	G3/8	G3/8
16A514848	G1/2	G1/2

Female parallel BSP thread to male parallel BSP thread.

Elbow Banjo Assembly Regulating Out



Model	Male BSPT	Female BSPP
16K511818	G1/8	G1/8
16K512828	G1/4	G1/4
16K513838	G3/8	G3/8
16K514848	G1/2	G1/2

Arrow on bolt hexagon indicates free flow direction
Pressure range 1 ... 10 bar

ADDITIONAL RANGES (NOT ILLUSTRATED IN THIS CATALOGUE)

FLEETFIT VEHICLE PUSH-IN FITTINGS

Metric 6 ... 16 mm O/D tube

Corrosion resistant

Easy identification - All collets marked with tube size

Reduced assembly and maintenance times provide time/
labour savings

Comply with relevant standards and legislation



PUSH-ON TUBE FITTING 24 Series

Metric $\varnothing 4/2,5$... 15/12,5 mm OD/ID tube

Ideal for use on vacuum systems

Neat, compact design

Unique barb shape ensures good grip on tube
even if fitting is tightened by hand

Ideal for use in confined spaces where tight bend
radii are required



ENOTS 34 & 36 Series brass compression fittings

Metric and inch

$\varnothing 3/16$... $3/4$ " O/D tube, $\varnothing 4$... 28 mm O/D tube

Suitable for use under extreme conditions of
temperature and pressure

Ideal for most general industrial applications



CONTACT US FOR MORE INFORMATION

TUBING & HOSES

Ø4 ... 16 mm O/D

- » Available in a range of colours for ease of identification
- » In addition to general industrial applications Nylon is suitable for use on air braking systems of commercial vehicles and conforms to DIN 74324. (Applicable sizes; 6, 8, 10, 12, 16 mm O/D)
- » 25 metre lengths supplied in cartons providing good protection and easy storage
- » Polyurethane offers excellent mechanical properties and industry leading flexibility



Technical data

Medium:

Compressed air. Consult our Technical Service for use with other fluids.

Operating pressure:

See table on next page

Materials

Nylon tube: Nylon (polyamide) type PA12 fully plasticised and light stabilised. Conforms to material standard of DIN 74324.

Polyurethane tube: Is light stabilised and has a hardness of Shore D 52 (98 Shore A)

TUBING & HOSES

Ø4 ... 16 mm O/D

Maximum operating pressures and bend radii

O/D mm		4	6	8	10	12	14	16
Max. pressure (bar)* at -40°C ... +20°C	Nylon	31	27	19	19	19	16	19
	Polyurethane	10	9	9	9	9	-	-
Min. bend radius mm	Nylon	25	30	40	60	60	80	95
	Polyurethane	6	9	16	17	25	-	-

Maximum continuous working temperature: nylon +80°C, polyurethane +60°C

* Multiply by factors in table below for use at higher temperatures

Operating pressure/temperature conversion factors

Working temperature	Factor (Nylon)	Factor (Polyurethane)
-40°C ... +20°C	1,00	1,00
+30°C	0,83	0,85
+40°C	0,75	0,70
+50°C	0,64	0,60
+60°C	0,57	0,50
+80°C	0,47	-

To calculate working pressures at various temperatures, multiply working pressure at -40°C ... +20°C by factor given in table

Maximum continuous working temperature: Nylon +80° Polyurethane +60°C

Tube sizes (metric)

O/D mm	4	6	8	10	12	14	16
Nylon	•	•	•	•	•	•	•
Polyurethane	•	•	•	•	•	-	-

TUBING & HOSES

Ø4 ... 16 mm O/D



Nylon tube

Colour	Length (m)	O/D I/D tube 4/2,5*	6/4	8/6
Natural	25	PA2-0004025C	PA2-0006025C	PA2-0008025C
Red	25	PA2-0104025C	PA2-0106025C	PA2-0108025C
Yellow	25	PA2-0304025C	PA2-0306025C	PA2-0308025C
Blue	25	PA2-0504025C	PA2-0506025C	PA2-0508025C
Black	25	PA2-0704025C	PA2-0706025C	PA2-0708025C

Colour	Length (m)	O/D I/D tube 10/7,5	12/9	14/11*	16/12
Natural	25	PA2-0010025C	PA2-0012025C	PA2-0014025C	PA2-0016025C
Red	25	PA2-0110025C	PA2-0112025C		
Yellow	25	PA2-0310025C	PA2-0312025C		
Blue	25	PA2-0510025C	PA2-0512025C	PA2-0514025C	PA2-0516025C
Black	25	PA2-0710025C	PA2-0712025C	PA2-0714025C	PA2-0716025C
Silver	25	PA2-0910025C	PA2-0912025C	PA2-0914025C	PA2-0916025C

Note: 'C' at last digit in part number indicates packed in a box/carton

*Tube size does not conform to DIN 74324

Polyurethane Tubing

Colour	Length (m)	O/D I/D tube 4/2,5	6/4	8/5,5	10/7	12/8
Natural	25	PU2-0004025C	PU2-0006025C	PU2-0008025C	PU2-0010025C	PU2-0012025C
Red	25	PU2-0104025C	PU2-0106025C	PU2-0108025C	PU2-0110025C	PU2-0112025C
Yellow	25	PU2-0304025C	PU2-0306025C	PU2-0308025C	PU2-0310025C	PU2-0312025C
Blue	25	PU2-0504025C	PU2-0506025C	PU2-0508025C	PU2-0510025C	PU2-0512025C
Black	25	PU2-0704025C	PU2-0706025C	PU2-0708025C	PU2-0710025C	PU2-0712025C

TUBING & HOSES

Ø4 ... 16 mm O/D



Pneuflex Tubing

Model	O/D Tube	Adaptor (thread)	Length of closed spiral	Working length (mm)	Operating pressure
PU310600218	6	R1/8	165	2000	10 bar
PU310800228	8	R1/4	180	2000	10 bar
PU310800428	8	R1/4	400	4000	10 bar

Tube Cutter

Model	Type
M/3314	Cutter
39012010	Replacement blade (pack of 10)



For use on nylon and polyurethane tubing 4 ... 16 mm

[Accessories]

2

Block form flow regulators



Silencers

SILENCERS

POROUS PLASTIC SILENCERS M/S

Reduce the noise levels of pneumatic equipment

Compact, efficient and lightweight

Operating pressure is -1 ... 10 bar

Operating temperature is -20°C ... +80°C

Model	Metric & BSPP
M/S0	M5
M/S1	G1/8
M/S2	G1/4
M/S3	G3/8
M/S4	G1/2
M/S6	G3/4
M/S8	G1



SINTERED BRONZE SILENCERS T40

Reduce the noise levels of pneumatic equipment

Compact and efficient

Operating pressure is 10 bar max.

Operating temperature is -20°C ... +80°C

Model	Metric & BSPP
T40M0500	M5
T40C1800	G1/8
T40C2800	G1/4
T40C3800	G3/8
T40C4800	G1/2
T40C6800	G3/4
T40C8800	G1



Model	BSPT
T40B1800	R1/8
T40B2800	R1/4
T40B3800	R3/8
T40B4800	R1/2
T40B6800	R3/4
T40B8800	R1

EXHAUST FILTERS M/1500 SERIES

Prevent the ingress of dirt with minimal flow restriction

Robust and compact

Operating pressure is 0 ... 10 bar

Operating temperature is -20°C ... +80°C



Model	BSPP
M/1511	G1/8
M/1512	G1/4
M/1514	G1/2
M/1516	G3/4
M/1518	G1

SILENCERS

QUIETAIRE HEAVY DUTY SILENCERS MA & MB SERIES

- » Reduce the noise levels of pneumatic equipment
- » Prevent open line exhaust dangers
- » Corrosion resistant
- » High flow capacity with low back pressure
- » Brass mesh screen and aluminium construction provide improved flow, longer life and cleanable element
- » Prevent metal chips, abrasive grits, dust and other contaminants from entering open exhaust ports



Technical data

Medium:

Compressed air, filtered, lubricated and non-lubricated, inert gases

Operating pressure:

-1 ... 20 bar

Operation:

Exhaust silencer

Mounting:

Directly in the exhaust port

Materials

Aluminium body and shell, brass mesh element

Male Thread

Model	Thread Size
-------	-------------

MB001B	R1/8
--------	------

MB002B	R1/4
--------	------

MB003B	R3/8
--------	------

MB004B	R1/2
--------	------

MB006B	R3/4
--------	------

MB008B	R1
--------	----

BALL VALVES

60 SERIES

Brass 1/8" ... 2" BSP

- » Precision engineered shut-off valves
- » Minimum resistance to fluid flow
- » Positive quick open/shut action
- » Flow in either direction
(except exhaust type)



Technical data

Medium:

Compressed air, inert gases, water, oils and many hydrocarbon derivatives depending upon valve seat material

Operating pressure:

Refer to tables

Ambient temperature:

Refer to tables

Materials

Nickel plated brass to UNI-5705-65, chromium plated brass, zinc plated steel, PTFE seats and nitrile or FKM rubber seals

BALL VALVES

60 SERIES

Brass 1/8" ... 2" BSP



Standard Full Bore

Model	Female	Maximum pressure (bar)
602112128	G1/4	45
602112138	G3/8	40
602112148	G1/2	35
602112168	G3/4	30
602112188	G1	25
6021121A8	G1 1/4	20
6021121B8	G1 1/2	20
6021121C8	G2	16

PTFE seats, FKM seals

Operating temperature: -20°C ... +150°C



Exhausting Full Bore

Model	Female	Maximum pressure (bar)
602113128EX	G1/4	12
602113138EX	G3/8	12
602113148EX	G1/2	12
602113168EX	G3/4	12
602113188EX	G1	12
6021131A8EX	G1 1/4	12

PTFE seats, nitrile seals

Operating temperature: 0°C ... +60°C

Lockable Exhausting Full Bore



Model	Female	Maximum pressure (bar)
601812128	G1/4	13,6
601812138	G3/8	13,6
601812148	G1/2	13,6
601812168	G3/4	13,6
601812188	G1	13,6

Note: lever lockable only in closed position Standard handle accepts Ø7 mm shackle



Mini Reduced Bore

Model	Female	Maximum pressure (bar)
601112118	G1/8	10
601112128	G1/4	10
601112138	G3/8	10
601112148	G1/2	10

Model	Female/Male	Maximum pressure (bar)
601112218	G1/8	10
601112228	G1/4	10
601112238	G3/8	10
601112248	G1/2	10

PTFE seats, nitrile seals

Operating temperature: -10°C ... +90°C

OTHER ACCESSORIES

3/2 SHUT OFF VALVES

1/8" ... 1/2"



Technical data

Operating pressure:

0 ... 16 bar

Operating temperature:

-20°C ... + 80°C

Sleeve Valves

Model	Port Size
M/7318	G1/8
M/7328	G1/4
M/7338	G3/8
M/7348	G1/2

BLOW GUNS

BG SERIES

BG4000:

Bright chrome finish

Cushioned corporate vinyl thumb grip

Exhausts air when nozzle is blocked

Complies with O.S.H.A.

BG5000:

One piece design in moulded high impact plastic

Exhausts air when nozzle is blocked

Complies with O.S.H.A.



Technical data

Medium:

Non-lubricated compressed air, filtered

Connection:

G1/4 (BG4000 and BG5000)

Operating pressure:

10 bar maximum line pressure

Model	Port Size	Description
BG4000	G1/4	Metal Blow Gun
BG5000	G1/4	Plastic Blow Gun

The USA O.S.H.A. recommendations state that nozzle pressures should not exceed 2 bar. This ensures that the blocked end condition pressure will not exceed the 0,4 bar that could penetrate human skin with possibly fatal consequences.

Blow guns should always be supplied through a suitable pressure regulator to ensure safe operation.

NON-RETURN VALVES

T55 SERIES

In-line G1/8 ... G1/2

- » Permit free flow of air in one direction only
- » Simple, reliable design
- » Silicone free
- » Low cracking pressure



Technical data

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operating pressure:

0,1 ... 10 bar

Ambient temperature:

-20°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body: Aluminium

O-ring: Nitrile rubber

Valve: POM

Spring: Stainless steel

METRIC Model	Model	Port size	Flow factor C*	CV	Cracking pressure (bar)
T55M0500	-	M5	0,8	0,19	0,05
-	T55C1800	G1/8	2,4	0,59	0,05
-	T55C2800	G1/4	5,5	1,35	0,05
-	T55C3800	G3/8	9,0	2,20	0,05
-	T55C4800	G1/2	15,0	3,70	0,05

*C: measured in dm³/(s.bar)

NON-RETURN VALVES

COOGL, Ø4 ... 12

» High flow performance



Technical data

Medium:

Compressed air

Operating pressure:

10 bar max.

Operating temperature:

0°C ... +60°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

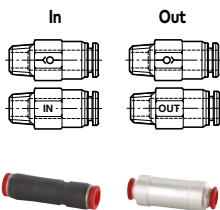
Tube sizes:

4 ... 12 mm

Tubing types:

Nylon 11 or 12

Polyurethane 85, 95 or 98 durometer



Model	Model	Tube Ø
COOGL0400	-	4
COOGL0600	-	6
COOGL0800	-	8
-	COOGL1000	10
-	COOGL1200	12

QUICK EXHAUST VALVES

T70 SERIES

G1/8 ... G1/2

- » Enables air to be exhausted quickly from air reservoirs and cylinders
- » Allows higher cylinder speeds to be achieved
- » Simple, compact design and construction
- » Very reliable in operation



Technical data

Medium:

Compressed air, filtered, lubricated and non-lubricated

Operating pressure:

0,5 ... 10 bar (T70)

Ambient temperature:

-20°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body & cover:

Zinc alloy (T70*1800 & T70*2800)

Aluminium alloy (T70*3800 & T70*4800)

Seals: Nitrile

O-ring: Nitrile

Models

Model	Port size BSPP	Flow (1 ... 2)**		Flow (2 ... 3)**		Service kit
		C*	Cv	C*	Cv	
T70C1800	G1/8	3,8	0,93	7	1,72	T70C1800K00
T70C2800	G1/4	7,4	1,8	9,7	2,38	T70C2800K00
T70C3800	G3/8	14,5	3,55	20,5	5	T70C3800K00
T70C4800	G1/2	19,7	4,83	25	6,13	T70C4800K00

*C: dm³/(s.bar)

**Flow factor measured at 6 bar inlet pressure

BLOCK FORM FLOW REGULATORS

T1000 SERIES

Uni-directional – M5, G1/8 ... G1/2

- » Compact size/low weight/ in-line units
- » High flow performance
- » Suitable for panel and wall mounting
- » Adjustment can be locked
- » Captive regulator needle will not blow out when unscrewed
- » Adjusting knob position line



Technical data

Medium:

Compressed air, filtered, lubricated or non-lubricated, inert gases

Operating pressure:

1 ... 10 bar (T1000 series G1/8 ... G1/2)

0,3 ... 10 bar (T1000 series M5)

Ambient temperature:

-20°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body: Aluminium alloy

Seals: Nitrile

Needle and internal parts: Brass

External parts: Aluminium alloy

Models

Model	Port size	Max. regulated flow factor		Free flow factor		Opening pressure (bar)	Minimum operating pressure (bar)
		C*	Cv	C*	Cv		
T1000M0500	M5	0,28	0,07	0,28	0,07	0,3	0,3
T1000C1800	G1/8	0,57	0,14	1,50	0,37	<0,1	1
T1000C2800	G1/4	1,30	0,32	2,80	0,69	<0,1	1
T1000C3800	G3/8	4,80	1,17	6,70	1,64	<0,1	1
T1000C4800	G1/2	7,50	1,84	8,30	2,00	<0,1	1

*C: measured in dm³/(s.bar)

EXHAUST FLOW REGULATOR/SILENCERS

T20 SERIES

M5, G1/8 ... G1/2

- » Compact, integral flow regulator and silencer units
- » Captive regulating needle will not blow out when unscrewed
- » Reduced dimensions



Technical data

Medium:

Compressed air, filtered, lubricated and non-lubricated, inert gases

Operating pressure:

1 ... 10 bar

Ambient temperature:

-20°C ... +80°C

Air supply must be dry enough to avoid ice formation at temperatures below +2°C

Materials

Body and washer: Nylon

Silencer: Porous polyethylene

Adjusting screw: High tensile zinc electroplated steel

Model	Thread	Port size	Max. regulated flow factor	
			C*	Cv
T20M0500	Metric	M5	0,3	0,07
T20C1800	BSPP	1/8	1,6	0,4
T20C2800	BSPP	1/4	3,2	0,8
T20C3800	BSPP	3/8	6,9	1,7
T20C4800	BSPP	1/2	10	2,4

*C: measured in dm³/(s.bar)

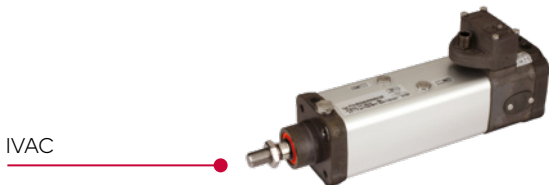
Pneumatic Actuator Accessories

ISO Roundline
cylinderS



ISO COMPACT
cylinders

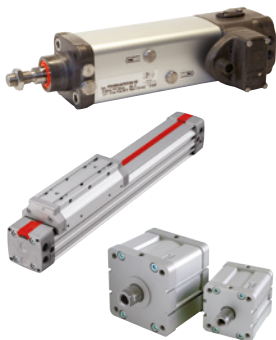
ISO/VDMA
cylinderS



IVAC

ACTUATOR SERVICE KITS

- » Piston rods can be damaged by material debris
- » Nose and wiper seals can leak due to misalignment or build up of debris on the piston rod
- » Piston seals will wear throughout the life of the actuator lowering the potential thrust generated
- » Barrels could be contaminated by moisture or debris resulting in damage to piston seals
- » Mountings affected by poor environmental conditions require regular maintenance of pivots, etc.



Our comprehensive service kits provide the easiest possible way of ensuring that your actuators keep operating at maximum output. Kits contain all necessary parts to completely overhaul the particular unit and in most cases come with full maintenance instructions.

The next few pages show a number of our actuator ranges with service kit part numbers.

ACTUATOR SERVICE KITS

ISO LINE Service Kits



Dia. Ø	Service Kit
32	QA/8032/00
40	QA/8040/00
50	QA/8050/00
63	QA/8063/00
80	QA/8080/00
100	QA/8100/00
125	QA/8125/00
160	QA/8160/00
200	QA/8200/00
250	QA/8250/00
320	QA/8320/00

Lintra Service Kits



Output shaft Ø	Service kit
QA/1460**/88/1000	Up to 1000 mm stroke
QA/1460**/88/3000	From 1001 mm to 3000 mm stroke
QA/1460**/88/8500	From 3001 mm up to max. stroke

Rotary Rack/Pinion Service Kits



Dia. Ø	Service kit
32	QM/162032/00
40	QM/162040/00
50	QM/162050/00
63	QM/162063/00
80	QM/162080/00
100	QM/162100/00
125	QM/162125/00

ISO Compact Service Kits



Dia. Ø	Service Kit
20	QM/192020/00
25	QM/192025/00
32	QM/192032/00
40	QM/192040/00
50	QM/192050/00
63	QM/192063/00

Compact Service Kits

Dia. Ø	Service Kit
50	QM/92050/00
63	QM/92063/00
80	QM/92080/00
100	QM/92100/00

Imperial 900 Series Service Kits

Dia. Ø	Service kit
11/4	QM/9125/00
13/4	QM/9175/00
2	QM/920/00
2 1/2	QM/925/00
3	QM/930/00
4	QM/940/00
5	QM/950/00
6	QM/960/00
8	QM/980/00
10	QM/9100/00
12	QM/9120/00
14	QM/9140/00

ACTUATOR SERVICE KITS

Rotary Vane Service Kits

		Service kit
Output shaft Ø	Number of vanes	
4	Single	QM/60280/00
5	Single	QM/60281/00
6	Single	QM/60282/00
8	Single	QM/60283/00
10	Single	QM/60284/00
10	Double	QM/60284/TI/00
12	Single	QM/60285/00
12	Double	QM/60285/TI/00
17	Single	QM/60286/00
17	Double	QM/60286/TI/00
25	Single	QM/60287/00
25	Double	QM/60287/TI/00
40	Single	QM/60288/00
40	Double	QM/60288/TI/00

Stainless Cylinder Service Kits

		Service Kit
Dia. Ø		
32		KQA/8032/00
40		KQA/8040/00
50		KQA/8050/00
63		KQA/8063/00
80		KQA/8080/00
100		KQA/8100/00
125		KQA/8125/00
160		KQA/8160/00
200		KQA/8200/00

Roundline RM/55401 Service Kits

		Service kit
Dia. Ø		
32		QM/55433/00
40		QM/55441/00
50		QM/55451/00
63		QM/55464/00
80		QM/55481/00
100		QM/55411/00

Roundline M/6000 Service Kits

		Service kit
Dia. Ø		
20		QM/6020/00
25		QM/6025/00

Stainless Roundline Service Kits

		Service Kit
Dia. Ø		
32		KQM/55032/00
40		KQM/55040/00
50		KQM/55050/00
63		KQM/55063/00
80		KQM/55080/00
100		KQM/55100/00
125		KQM/55125/00

MAGNETICALLY OPERATED SWITCHES

M/50 Reed and Solid State



Reed Accessories

Model	LED (Yellow)	Cable length / plug	Temperature range	Extension cable 5 m (PVC)	Extension cable 10 m (PVC)
M/50/LSU/2V	•	2 m	-25°C ... +80°C	–	–
M/50/LSU/5V	•	5 m	-25°C ... +80°C	–	–
M/50/LSU/10V	•	10 m	-25°C ... +80°C	–	–
M/50/LSU/CP	•	0,3 m with M8 Plug	-25°C ... +80°C	M/P73001/5	M/P73001/10
M/50/LXU/5V	•	5 m	-20°C ... +50°C	–	–
M/50/LSU/5U	•	5 m	-25°C ... +80°C	–	–
M/50/RAC/5V	–	5 m	-25°C ... +80°C	–	–
TM/50/RAU/2S	–	2 m	-25°C ... +150°C	–	–

Solid State Accessories

Model	LED (Yellow)	Cable length / plug	Temperature range	Extension cable 5 m (PVC)	Extension cable 10 m (PVC)
M/50/EAP/2V	•	2 m	-40°C ... +80°C	–	–
M/50/EAP/5V	•	5 m	-40°C ... +80°C	–	–
M/50/IOP/5V	•	5 m	-40°C ... +80°C	–	–
M/50/EAP/10V	•	10 m	-40°C ... +80°C	–	–
M/50/EAP/CP	•	0,3 m with M8 Plug	-40°C ... +80°C	M/P73001/5	M/P73001/10
M/50/IOP/CP	•	0,3 m with M8 Plug	-40°C ... +80°C	M/P73001/5	M/P73001/10
M/50/EAP/CC	•	0,3 m with M12 Plug	-40°C ... +80°C	M/P34692/5	–



→ Find out more
norgren.com

ISOLine™

Built on reliable and robust technology, ISOLine™ offers a fit and forget system that simplifies installation, with new technology as standard. It also provides a longer service life and reduced maintenance costs.

- » 32 – 320 mm bore sizes
- » High performance Adaptive Cushioning System "ACS"
- » Provides a high performance damping function. The system will automatically cushion for a wide range of general applications as delivered. Manual adjustment is still possible for extreme applications.
- » Low temperature version to -40°C
- » High temperature version to 150°C
- » 16 bar version available
- » Rail Cylinder shock and vibration tested to EN 61373 Category 1; Class A + B

IO-Link Switch

Standardised IO-Link technology allows actuators and sensors to become intelligently integrated into any process chain. The new M/50/10P switch delivers end-to-end communication and monitoring of temperature and operating mode, as well as a cycle counter.

- » Fully compatible with all Norgren actuator ranges
- » IO-Link advantages; conforms to IEC 61131-9
- » UL Listed
- » Condition Monitoring
- » Two LED's provide status information
- » Available in 5m cable or M8 plug

Air Preparation Accessories



Olympian
plus box sets



Excelon
box sets

Excelon® Plus



Air Preparation Maintenance Tips

Correct preparation of compressed air is essential for 'best performance'



**"If your FRL looks like this..."
...it's wasting energy and money, it's unsafe and
environmentally unfriendly.**

And if it does look like this example then;

- 1 Polycarbonate bowl needs replacing to comply with BS 6005:1997
- 2 Auto drain will not dispose of contaminants safely
- 3 Filter elements could be blocked
- 4 Regulator will not be maintaining optimum pressure
- 5 Lubricator is neither effective or efficient
- 6 Replacement is both time consuming and costly

Most airline units can be quickly and easily maintained using our comprehensive service kits.



Find out more
norgren.com

OLYMPIAN PLUS SERVICE KITS

64 and 68 Series units



Filters

Model	Service kit
F64G-***-AD3	F64G-KITA40
F64G-***-MD3	F64G-KITM40
F68G-***-AR3	F68G-KITA40
F68G-***-MR3	F68G-KITM40
F64C-***-ADO	F64C-KITA0C
F64H-***-ADO	F64H-KITA0C
F68C-***-ARO	F68C-KITA0C
F68H-***AU0	F68H-KITA0C
F68B-***-ARO	F68B-KITA0V
F64L-***-ARO	F64L-KITA0V
FFV68-408	F68C-KITA0C + F68V-KIT00V
FFV68-808	F68H-KITA0C + F68Y-KIT00Y

Lubricators

Model	Service kit
L64M-***-EDN	L64M-KIT
L68M-***-ERN	L68M-KIT

Regulators

Model	Service kit
R64G-***-RMN	R64G-KITR
R68G-***-RLN	R68G-KITR

Filter / Regulators

Model	Service kit
B64G-***-AD3-RMN	B64G-KITA40R
B64G-***-MD3-RMN	B64G-KITM40R
B68G-***-AR3-RLN	B68G-KITA40R
B68G-***-MR3-RLN	B68G-KITM40R

Box Set

Model	Service kit
BL64-401	B64G-KITA40R + L64M-KIT
BL64-421	B64G-KITM40R + L64M-KIT
BL68-801	B68G-KITA40R + L68M-KIT
BL68-821	B68G-KITM40R + L68M-KIT

EXCELON® PLUS SERVICE KITS

84 Series



Regulator - Filter/Regulator Elastomer Kit

	Service kit
Model	
R84/B84	FRLB84-KIT

Lubricator Sight Dome Kit

	Service kit
Description	
Oil-Fog	840055-51KIT
Micro-Fog	840055-50KIT

Auto-Drain Kit with Metal Nut

	Service kit
Description	
Imperial	6000-61KIT
Metric	6000-60KIT

Quikclamp Kit

	Service kit
Description	
Excelon® Plus Quikclamp	840014-51KIT
Excelon® Plus Quikclamp + Bracket	840014-52KIT

EXCELON SERIES SERVICE KITS

72, 73 and 74 Series units



Filters

Model	Service kit
F72G-*GN-AL3	F72G-KITA40
F73G-*GN-AT3	F73G-KITA40
F74G-*GN-AP3	F74G-KITA40
F72G-*GN-QT3	F72G-KITM40
F73G-*GN-QT3	F73G-KITM40
F74G-*GN-QP3	F74G-KITM40
F72C-*GD-A*0	F72C-KITA0C
F73C-*GD-A*0	F73C-KITA0C
F74C-*GD-A*0	F74C-KITA0C
F74H-*GD-AP0	F74H-KITA0C
F72V-*GN-ETC	F72V-KITA0V
F74V-*GN-EMA	F74V-KITA0V

Filter / Regulators

Model	Service kit
B72G-*GK-AL3-RMN	B72G-KITA40R
B72G-*GK-QT3-RMN	B72G-KITM40R
B73G-*GK-AT3-RMN	B73G-KITA40R
B73G-*GK-QT3-RMN	B73G-KITM40R
B74G-*GK-AP3-RMN	B74G-KITA40R
B74G-*GK-QP3-RMN	B74G-KITM40R

Lubricators

Model	Service kit
L72M-*GP-ETN	L72M-KIT
L73M-*GP-ETN	L73M-KIT
L74M-*GP-QPN	L74M-KIT

Regulators

Model	Service kit
R72G-*GK-RMN	R72G-KITR
R73G-*GK-RMN	R73G-KITR
R74G-*GK-RMN	R74G-KITR

Box Set

Model	Service kit
BL72-201G(A)	B72G-KITA40R + L72M-KIT
BL73-301G	B73G-KITA40R + L73M-KIT
BL74-401G	B74G-KITA40R + L74M-KIT
BL72-221G	B72G-KITM40R + L72M-KIT
BL73-321G	B73G-KITM40R + L73M-KIT
BL74-421G	B74G-KITM40R + L74M-KIT



Series	Port size	Quikclamp	Quikclamps and wall brackets
72	G1/4	4214-51	4214-52
73	G3/8	4314-51	4314-52
74	G1/2	4314-51	4314-52

PORTED UNIT SERVICE KITS

07, 18, 11-400, 11-204 Series units



Filters

Model	Service kit
F07-*00-A3TG	F07-KITA40
F07-*00-M3TG	F07-KITM40
F18-*00-A*DG	F18-100A

Lubricators

Model	Service kit
L07-*00-MPQG	L07-KIT

Regulators

Model	Service kit
R07-*00-RN*G	R07-KITR
R18-*00-RNXG	R18-100R
R18-*05-RNLG	R18-100R + 5945-41
11-808-9*0	11-908-100
11400-*G-****	11400-100
11-204-00*	11-204-100

Filter / Regulators

Model	Service kit
B07-*01-A3KG	B07-KITA40R
B07-*01-M3KG	B07-KITM40R

Box Set

Model	Service kit
PIH-*00-A3QG	B07-KITA40R + L07-KIT
PIH-*00-M3QG	B07-KITM40R + L07-KIT

AIR PREPARATION ACCESSORIES

Gauges, Auto-drain, Drip leg drain

GAUGES

Monitor pressures in a compressed air system for optimum efficiency

Choice of pressure ranges

Direct or panel mounted



Standard Steel and plastic	Pressure range (bar)	Nominal diameter (mm)	Connection type / mounting	Port connection
18-015-887	0 ... 1	40	Centre Back	R1/8
18-015-991	0 ... 1,6	40	Centre Back	R1/8
18-015-886	0 ... 2,5	40	Centre Back	R1/8
18-015-990	0 ... 4	40	Centre Back	R1/8
18-015-885	0 ... 6	40	Centre Back	R1/8
18-015-989	0 ... 10	40	Centre Back	R1/8
18-015-884	0 ... 16	40	Centre Back	R1/8
18-015-908	0 ... 25	40	Centre Back	R1/8
18-015-010	0 ... 1,6	40	Centre Back	R1/8
18-015-011	0 ... 4	50	Centre Back	R1/8
18-015-012	0 ... 6	50	Centre Back	R1/8
18-015-013	0 ... 10	50	Centre Back	R1/8
18-015-014	0 ... 25	50	Centre Back	R1/8
18-015-893	0 ... 1	63	Centre Back	R1/8
18-015-892	0 ... 2,5	63	Centre Back	R1/8
18-015-891	0 ... 6	63	Centre Back	R1/8
18-015-856	0 ... 10	63	Centre Back	R1/8
18-015-855	0 ... 16	63	Centre Back	R1/8
18-015-888	0 ... 25	63	Centre Back	R1/8
Standard Steel and plastic	Pressure range (bar)	Nominal diameter (mm)	Connection type / mounting	Port connection
18-015-879	0 ... 1,6	40	Panel Mounted	G1/8A
18-015-878	0 ... 6	40	Panel Mounted	G1/8A
18-015-877	0 ... 10	40	Panel Mounted	G1/8A
18-015-858	0 ... 6	50	Panel Mounted	G1/8A
18-015-857	0 ... 10	50	Panel Mounted	G1/8A
18-015-883	0 ... 1,6	63	Panel Mounted	G1/4A
18-015-882	0 ... 6	63	Panel Mounted	G1/4A
18-015-852	0 ... 10	63	Panel Mounted	G1/4A
18-015-851	0 ... 16	63	Panel Mounted	G1/4A
18-015-024	0 ... 1,6	50	Bottom	R1/8
18-015-025	0 ... 4	50	Bottom	R1/8
18-015-026	0 ... 6	50	Bottom	R1/8
18-015-027	0 ... 10	50	Bottom	R1/8
18-015-028	0 ... 25	50	Bottom	R1/8
18-015-854	0 ... 10	63	Bottom	G1/4A
18-015-853	0 ... 25	63	Bottom	G1/4A

AIR PREPARATION ACCESSORIES

Gauges, Auto-drain, Drip leg drain

Gauges

Standard Steel and plastic	Pressure range (bar)	Nominal diameter (mm)	Connection type / mounting	Port connection
18-015-844	0 ... 10	40	Centre Back	1/8 NPT
18-015-913	0 ... 6	40	Centre Back	1/8 NPT
18-015-909	0 ... 10	40	Centre Back	1/8 NPT
18-015-905	0 ... 25	40	Centre Back	1/8 NPT

AUTO-DRAIN

Spare parts for filters and filter / regulators

Model	Series
4000-50R	Excelon 72, Excelon Pro
4000-51R	Excelon 73
3000-97	Excelon 74
6000-50	Olympian 64, 68



DRIP LEG DRAIN

Fully automatic unit that can drain liquid from low points in compressed air systems

Model	Port size	Bowl
17-816-998	G1/2	Metal
17-816-999	G1/2	Transparent



Pneumatic Valves & Accessories

5

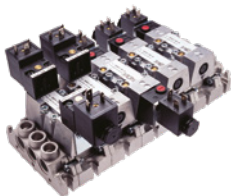
In line valves
V60 ... 63 and
V50 ... V53



Process
Industry Valves
Buschjost
valves



ISO★star
glandless
valves
SXE/SXP



Super X Manual /
Mechanical Valves



Valve
islands



MANUALLY & MECHANICALLY ACTUATED SPOOL VALVE - SUPER X SPARES KIT

Spares kit	3/2 mechanical valves	3/2 manual valves	3/2 adaptor valves for Klöckner Möller actuators	5/2 mechanical valves	5/2 manual valves	5/2 adaptor valves for Klöckner Möller actuators	5/3 manual valves
03840802	03029302	03029602	03029502	X3039302	X3029602	X0039502	X3343702
	03029332	03033502801	03029532	X3039402	X3037502		X3343802
	03029402	03033532801		X3044002	X3038602		X3347702
	03040002	03034502		X3044202	X3038702		X3347802
	03040032	03034532		X3044902	X3038802		
	03040202	03036602		X3045002	X3044302		
	03040232	03036632		X3045102	X3044402		
	03040902	03036702		X3045702	X3044502		
	03041002	03036732		X3046702	X3044602		
	03041102	03036802			X3044802		
	03041132	03036832			X3045402		
	03041702	03040302			X3045502		
	03042702	03040332			X3045602		
		03040402			X3045802801		
		03040432			X3045902		
		03040502			X3046002		
		03040532			X3046102		
		03040602			X3046502		
		03040632			X3046602		
		03040802			X3047702		
		03041402			X3047802		
		03041432			X3048202		
		03041502			X3048402		
		03041532					
		03041602					
		03041632					
		03041802801					
		03041822801					
		03041902					
		03041932					
		03042002					
		03042102					
		03042402					
		03042502					
		03042532					
		03042602					
		03042802					
		03042832					
		03043702					
		03043802					
		03048102					



MANUALLY & MECHANICALLY ACTUATED SPOOL VALVE - SUPER X SPARES KIT







Spares kit	3/2 mechanical valves	3/2 manual valves	3/2 adaptor valves for Klöckner Möller actuators	5/2 mechanical valves	5/2 manual valves	5/2 adaptor valves for Klöckner Möller actuators	5/3 manual valves
		3048302					
3860202	3060002	3062502		X3064202	X3046402		X3363802
	3060202	3063702		X3065102	X3064402		X3367702
	3061102	3063802		X3064002	X3066502		X3367802
		3068102			X3067702		X3363702
		3068302			X3067802		
					X3068202		
					X3068402		
3861202	3062402	3060402		X3064902	X3064802		
		3060802		X3066402			
		3062702					
3843202	3043202						
	3043232						
3847302	3042302				X3046802		

SOLENOID PLUGS AND CABLES

15 mm, 22 mm & 30 mm





15 mm plugs according to DIN EN175301-803 form C, IP 65

Connector	Model	Cable length	Voltage a.c.	d.c.	Features	Suppression	Gland size	Power consumption
Plug with moulded cable	V10013-D01	1000 mm	-	-	-	-	Pg 7	-
	V10013-D03	3000 mm	-	-	-	-	Pg 7	-
Plug with cable gland	V10027-D00	-	-	-	-	-	Pg 7	-
								
Indicator plug	V10012-D13	-	12 ... 24 V	12 ... 24 V	LED,VDR	•	Pg 7	0,25W
	V10012-D18	-	110 V	110 V	LED,VDR	•	Pg 7	0,25W
	V10012-D19	-	220 V	220 V	LED,VDR	•	Pg 7	0,25W
Indicator plug with moulded cable	V10014-D03	3000 mm	24 V	24 V	LED,VDR	•	Pg 7	0,25W
	V10015-D03	3000 mm	110 V	110 V	LED,VDR	•	Pg 7	0,25W
	V10016-D03	3000 mm	220 V	220 V	LED,VDR	•	Pg 7	0,25W

SOLENOID PLUGS AND CABLES

15 mm, 22 mm & 30 mm



22 mm plugs according to Industrial standard or DIN EN175301-803 form B, IP 65

Connector	Model	Cable length	Voltage a.c.	d.c.	Features	Suppression	Gland size	Power consumption
 Plug with moulded cable	M/P43313/1	1000 mm	-	-	-	-	Pg 9	-
	M/P43313/3	3000 mm	-	-	-	-	Pg 9	-
 Plug with cable gland	M/P19063	-	-	-	-	-	Pg 9	-
 Indicator plug	M/P24121/1	-	12 ... 24 V	12 ... 24 V	LED,VDR	·	Pg 9	0,25W
	M/P24121/2	-	110 V	110 V	LED,VDR	·	Pg 9	0,25W
	M/P24121/3	-	220 V	220 V	LED,VDR	·	Pg 9	0,25W
 Indicator plug with moulded cable	M/P43314/13	3000 mm	24 V	24 V	LED,VDR	·	Pg 9	0,25W
	M/P43314/23	3000 mm	110 V	110 V	LED,VDR	·	Pg 9	0,25W
	M/P43314/33	3000 mm	220 V	220 V	LED,VDR	·	Pg 9	0,25W



SOLENOID PLUGS AND CABLES

15 mm, 22 mm & 30 mm

30 mm plugs according to DIN EN175301-803 form A, IP 65

Connector	Model	Cable length	Voltage a.c.	d.c.	Features	Suppression	Gland size	Power consumption
Plug with moulded cable	M/P43315/1	1000 mm	-	-	-	-	Pg 11	-
	M/P43315/3	3000 mm	-	-	-	-	Pg 11	-
Plug with cable gland	M/P15737	-	250 V	300 V	-	-	Pg 11	-
	M/P19117	-	-	240 V	-	-	Pg 11	-
	0570275 000000000	-	250 V	300 V	-	-	Pg 11	-
	0663303 000000000	-	12 ... 250 V	12 ... 250 V	-	-	Pg 11	-
	057011 000000000	-	12 ... 240 V	12 ... 240 V	-	-	Pg 11	-
Indicator plug	M/P24120/1	-	10 ... 50 V	10 ... 50 V	LED,VDR	•	Pg 11	0,25W
	M/P24120/2	-	70 ... 115 V	70 ... 115 V	LED,VDR	•	Pg 11	0,25W
	M/P24120/3	-	150 ... 240 V	150 ... 240 V	LED,VDR	•	Pg 11	0,25W
Indicator plug with moulded cable	M/P43316/13	3000 mm	24 V	24 V	LED,VDR	•	Pg 11	0,25W
	M/P43316/23	3000 mm	110 V	110 V	LED,VDR	•	Pg 11	0,25W
	M/P43316/33	3000 mm	220 V	220 V	LED,VDR	•	Pg 11	0,25W
								

Electrical connector M12 x 1

Connector	Model
Straight x 2 m long 	0523057000000000
90° x 2 m long 	0523058000000000

[Index]



Index

PART NUMBER	PAGES
030*	102
038*	102
052305	106
0570110000000000	106
0570275000000000	106
0663303000000000	106
10019	31
10020	25
10022	30
10023	30
10029	26
10031	26
10040	32
10043	33
10049	37
10051	56
10060	42
10071	56
10082	38
10082	38
100D6	59
10115	31
10125	23
10145	33
10147	35
10154	36
10165	42
10167	45
10175	43
10188	39
101D60	59
10215	32
10225	22
10226	29
10247	34
10257	37
10267	44
10268	47
10288	40
10A51	55
10A71	55
10K51	51

PART NUMBER	PAGES
10T00	52
10TA0	52
11-204-*	98
11400-*	98
11-808-9*	98
15020	65
15023	66
15043	67
15069	68
16005	67
16020	65
16022	65
16023	66
16023	66
16029	65
16042	67
16062	68
16A51	68
16K51	68
17-816-9*	100
18-015-*	99
20A00	56
20B00	57
20C00	57
20E00	57
20K00	55
20L00	55
20M00	55
3000-97	100
39012	73
4000-5*	100
4214-5*	97
4314-5*	97
6000-50	100
6000-6*	96
601112	79
601812	79
602112	79
602113	79
840014-5*	96
840055-5*	96
B07-*	98

PART NUMBER	PAGES
B64G*	95
B68G*	95
B72G*	97
B73G*	97
B74G*	97
BG4*	80
BG5*	80
BL64-4*	95
BL68-8*	95
BL72*	97
BL73*	97
BL74*	97
C0004	31
C0012	31
C0020	25
C0022	30
C0023	30
C0023	30
C0225	22
C0029	26
C002J	61
C0040	32
C0043	33
C0049	37
C0060	42
C0063	48
C0063	49
C0064	48
C006A	42
C0082	38
C0082	38
C0084	40
C0084	41
C0090	58
C0096	41
C0097	41
C00D3	59
C00GF	63
C00GL	82
C00J3	58
C0124	62
C0125	23

PART NUMBER	PAGES
C012A	24
C0147	35
C014J	61
C0167	45
C0168	49
C0188	39
C0195	41
C01D3	59
C01GG	63
C01GH	63
C01GJ	63
C01GN	56
C0224	62
C0226	29
C022A	24
C0232	27
C0247	34
C0248	37
C024J	61
C0254	36
C0267	44
C0268	47
C026C	46
C0288	40
C02GN	56
COA51	55
COA70	60
COD51	60
COD7K	60
COK51	49
COK51	51
COK56	53
COKB0	54
COL51	50
COSA0	50
COT56	53
COTA0	52
COTB0	54
D0004	31
D000A	31
D0015	31
D0020	25

PART NUMBER	PAGES
D0023	30
D0029	26
D0039	31
D0040	32
D0043	33
D0060	42
D006A	42
D0082	38
D0089	38
D0090	58
D00GR	63
D0125	23
D012C	27
D0145	33
D0147	35
D0167	45
D0168	49
D0215	32
D0225	22
D022C	27
D022D	28
D0247	34
D0267	44
D0268	47
D042B	27
D042D	28
F07.**	98
F64C.*	95
F64G.*	95
F64H.*	95
F64L.*	95
F68B.*	95
F68C.*	95
F68G.*	95
F68H.*	95
F72C.*	97
F72G.*	97
F72V.*	97
F73C.*	97
F73G.*	97
F74C.*	97
F74G.*	97

PART NUMBER	PAGES
F74H.*	97
F74V.*	97
FFV68.*	95
KQA/8*	90
KQM/55*	90
L07.*	98
L64M.*	95
L68M.*	95
L72M.*	97
L73M.*	97
L74M.*	97
M/15*	76
M/331	73
M/50*	91
M/73*	80
M/P1*	106
M/P19063	105
M/P2*	106
M/P24121*	105
M/P43*	105
M/S*	76
M0020	25
M0040	32
M0060	42
M0082	38
M0082	38
M0125	23
M012A	24
M0147	35
M0167	45
M0168	49
M0225	22
M0226	29
M022A	24
M0247	34
M0267	44
M0268	47
MB00*	77
P1H.*	98
PA2-	72
PU2-	72
PU31	73

PART NUMBER	PAGES
QA/1460**	89
QA/8*	89
QM/162*	89
QM/192*	89
QM/192*	89
QM/55*	90
QM/6*	90
QM/9*	89
QM/92*	89
R07.*	98
R18.*	98
R64G-*	95
R68G-*	95
R72G-*	97
R73G-*	97
R74G-*	97
R84/B84	96
S0020	25
S0029	26
S0040	32
S0060	42
S0125	23
S0147	35
S0167	45
S0225	22
S0247	34
S0267	44
T1000C	84
T1000M	84
T20C	85
T20M	85
T40B	76
T40C	76
T40M	76
T55C	81
T70C	83
TM/50*	91
V100*	104
X003	102
X30*	102
X33*	102

Norgren operates four global centres of technical excellence and a sales and service network in 50 countries, as well as manufacturing capability in Brazil, China, Czech Republic, Germany, India, Mexico UK and the USA.

For information on all Norgren companies visit

www.norgren.com

Supported by distributors worldwide.



For further information, scan this QR code or visit **www.norgren.com**



Norgren, Buschjost, FAS, Herion, Kloehn, Maxseal and Thompson Valves are registered trademarks of Norgren companies.

Due to our policy of continuous development, Norgren reserve the right to change specifications without prior notice.

z9591CT en/07/20

Selected Images used under license from Shutterstock.com

Incorporating

 **BUSCHJOST**

 **FAS**

 **HERION**

 **KLOEHN™**

 **MAXSEAL**

 **THOMPSON VALVES™**

IMI