

The Engineer's Tool Kit



BDL
INCORPORATING

FLUID POWER TECHNOLOGY



Established in 1996, Bearings and Drives has grown to be a leader in the supply and distribution of MRO products from the world's leading manufacturers including: Bearings, Power Transmission, Industrial Gearboxes, Motors, Tools & Consumables. Drawing on our experience of customer requirements products and services have been developed for all types of industry including Food, Paper, Recycling, Distribution, Quarrying and Plastics.

Due to the unpredictable nature of MRO spares demand, we offer single source supply which includes MANAGED INVENTORY SERVICES, which would, by streamlining your ordering process, REDUCE DOWNTIME and IMPROVE PRODUCTION EFFICIENCY therefore creating considerable COST SAVINGS.

Our REPAIR SERVICES cover Motors, Gearboxes & Pumps. Available 24/7 our team of highly skillful engineers is on hand to deliver advise and engineering solutions. We also offer a free collection and delivery service.

FLUID POWER

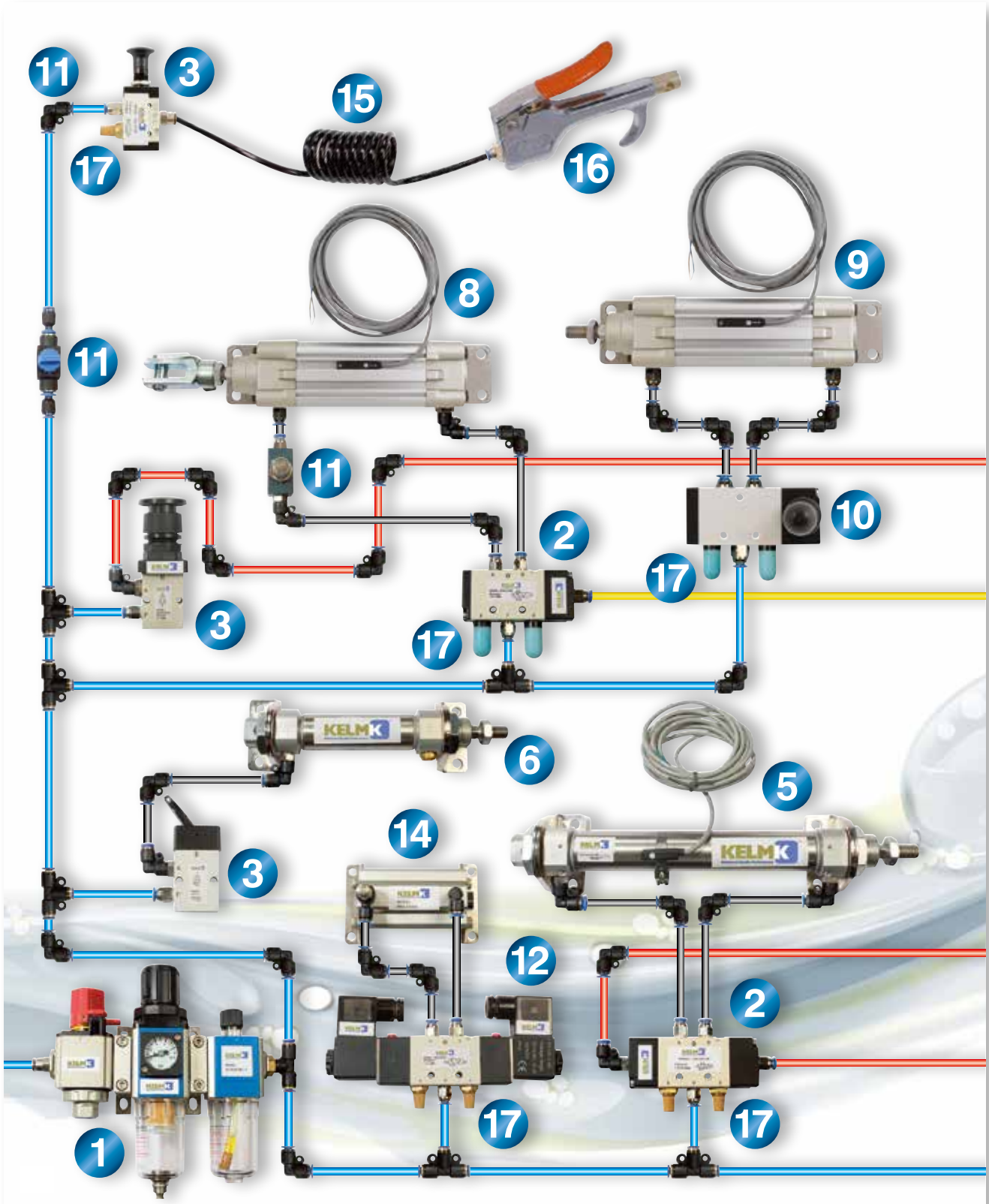
In 2009, and with many industries relying on Fluid Power in their manufacturing processes, our sister company FLUID POWER TECHNOLOGY was established and it has grown to not only carry large stocks of, FRL's, Solenoid Valves, Mechanical Valves, Metal & Plastic Fittings but also, due to the indepth knowledge and expertise of our staff, we are able to offer Product Interchange, System Advice and Bespoke Solutions to specific requirements, these being our Unique Selling Points, set us apart from the competition.

However large or small the requirement, however simple or complex the problem, both BEARINGS & DRIVES and FLUID POWER TECHNOLOGY prides themselves on meeting your requirement with on time, on budget solution and supply.



Emergency Call Out
Service 24 hours a
day 7 days a week
365 days a year

Compressed Air System Guide

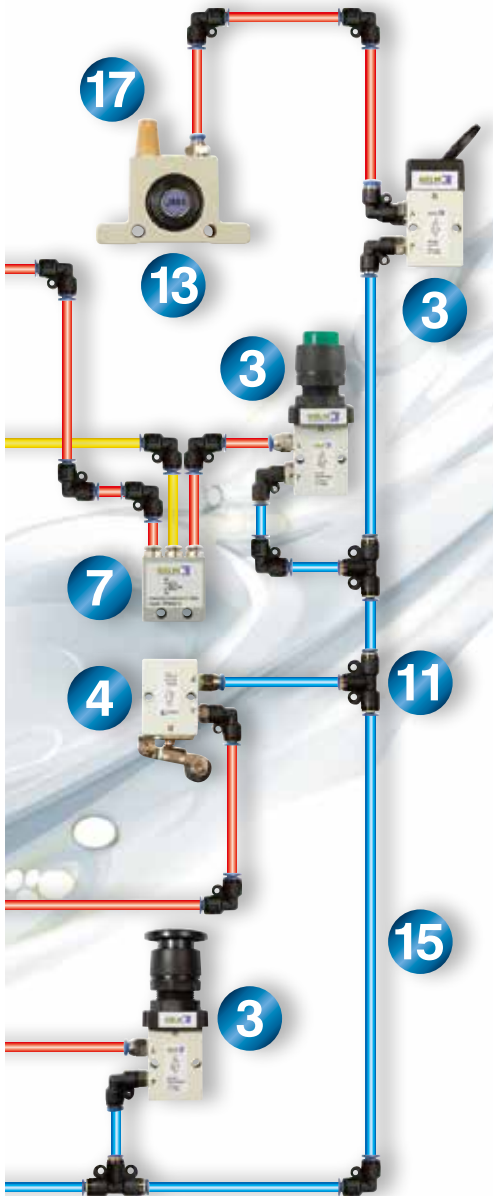


FLUID
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Please refer to our Fluid Power Catalogue for more information



Compressed Air System Guide



- 1. Air Preparation**
1/8" up to 1" – Filters, Regulators and Lubricators
- 2. Pilot Operated Valves**
1/8", 1/4", 3/8" and 1/2" - 3/2, 5/2 and 5/3 Valves
- 3. Manual Operated Valves**
M5, 1/8", 1/4", 3/8", 1/2" and 3/4" -
3/2, 4/2, 4/3, 5/2 and 5/3 Valves
- 4. Mechanical Operated Valves**
M5, 1/8" and 1/4" - 3/2
- 5. ISO 6432 Mini Cylinders**
Double Acting Magnetic, in Bore Sizes 8mm to 40mm
Mounting and Reed Switch to suit
- 6. ISO 6432 Mini Cylinders**
Single Acting Magnetic, in Bore Sizes 8mm to 40mm
Mounting and Reed Switch to suit
- 7. Logic and Specialist Valves**
Not, And, Yes, Oscillating, Impulse
- 8. Gen 1 ISO 15552 (Formerly ISO 6431/VDMA 24562)
Double Acting Magnetic Cylinders, Chrome Plated Carbon
Steel Piston Rod**
In Bore Sizes 32mm to 125mm
Profile barrel with concealed tie rods.
Switches can be mounted flush with profile barrel.
Mounting and Reed Switch to suit
- 9. Gen 2 ISO 15552 (Formerly ISO 6431/VDMA 24562)
Double Acting Magnetic Cylinders, Stainless Steel Piston Rod**
In Bore Sizes 32mm to 125mm
Profile barrel with concealed tie rods.
Switches can be mounted flush with profile barrel.
Mounting and Reed Switch to suit
- 10. Manual Lever/Lever, Controlled Valves**
M5, 1/8", 1/4" and 3/8" Valves
3/2, 5/2 and 5/3 Valves
- 11. Plastic & Metal Push-in Fittings & Flow Restrictors**
4mm O.D. up to 12mm O.D.
- 12. Solenoid Operated Valves**
Single Solenoid and Double Solenoid Valves -
M5, 1/8", 1/4", 3/8" and 1/2" - 3/2, 5/2 and 5/3 Valves
- 13. Pneumatic Vibrators**
1/4" and 3/8" - Ball and Turbine
- 14. Compact Magnetic Cylinder**
Double Acting Magnetic in Bore Sizes 12mm to 100mm
Mounting and Reed Switch to suit
- 15. Spring Coils and Tubing**
Nylon and Polyurethane
- 16. Blow Guns**
Metal
- 17. Silencers**
Plastic, Sintered Bronze and Stainless Steel

Please refer to our Fluid Power Catalogue for more information



PLASTIC PUSH-IN FITTINGS

One Touch Emergency Fittings Kits

Convenient, compact boxes containing a selection of popular KELM™ one touch plastic push-in fittings along with handy tube cutter.

Available in three sizes: 6mm, 8mm and 10mm.

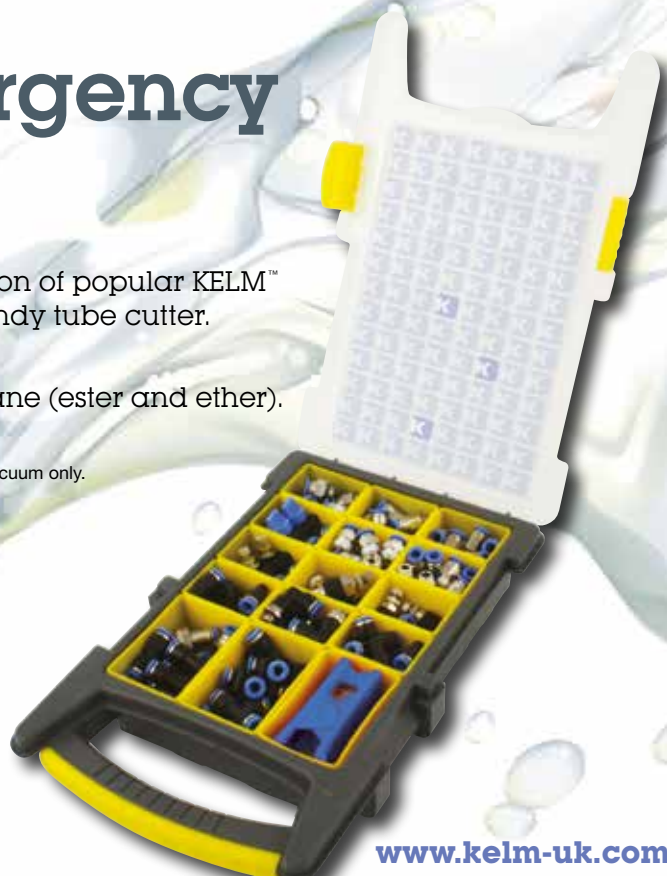
Can be used with nylon 6, 11, 12, and polyurethane (ester and ether).

Working Temperature:
 Brass: 0°C to +60°C
 Acetal: 0°C to +60°C
 (dependent upon tubing specification)



Maximum Working Pressure:
 10 bar (150 psi)
Negative Pressure:
 -750mm Hg (10 Torr)
 (dependent upon tubing specification)

Media:
 Air and vacuum only.



Plastic Push-in

1060



KELM-06MMBOX-P	6
KELM-08MMBOX-P	8
KELM-10MMBOX-P	10

Page Tech Sheet **1964**

www.kelm-uk.com

6mm Plastic Push-in Fittings & Tube Cutter

CONTENTS:

Tube Cutter KTC-1 Qty: 1	Equal Tee 2019-8404 Qty: 10	Equal Connector 2019-8305 Qty: 10	Equal Bulkhead 2019-8503 Qty: 2
Equal Elbow 2019-8354 Qty: 8	1/8" BSPP Male Stud Elbow 2028-8247 Qty: 8	1/4" BSPP Male Stud Elbow 2028-8254 Qty: 5	
1/8" BSPT Flow Controller 2022-9852 Qty: 2	1/4" BSPT Flow Controller 2022-9878 Qty: 2	Flow Controller (Unidirectional) 2022-9746 Qty: 2	
1/8" BSPT Male Stud 2019-4965 Qty: 10	1/4" BSPT Male Stud 2019-4973 Qty: 10	Shut-off Valve (Tube x Tube) HVFF06-06 Qty: 2	
M5 BSPT Male Stud 2019-4957 Qty: 5	1/8" BSPP Male Stud 2028-7819 Qty: 10	1/4" BSPP Male Stud 2028-7843 Qty: 10	

8mm Plastic Push-in Fittings & Tube Cutter

CONTENTS:

Tube Cutter KTC-1 Qty: 1	Equal Tee 2019-8412 Qty: 8	Equal Connector 2019-8313 Qty: 10	Equal Bulkhead 2019-8511 Qty: 2
Equal Elbow 2019-8362 Qty: 6	1/8" BSPP Male Stud Elbow 2028-8270 Qty: 6	1/4" BSPP Male Stud Elbow 2028-8288 Qty: 5	
1/8" BSPT Flow Controller 2022-9886 Qty: 2	1/4" BSPT Flow Controller 2022-9894 Qty: 2	Flow Controller (Unidirectional) 2022-9753 Qty: 2	
1/8" BSPT Male Stud 2019-4999 Qty: 10	1/4" BSPT Male Stud 2019-5004 Qty: 10	Shut-off Valve (Tube x Tube) HVFF08-08 Qty: 2	
3/8" BSPT Male Stud 2019-5012 Qty: 5	1/8" BSPP Male Stud 2028-7876 Qty: 10	1/4" BSPP Male Stud 2028-7884 Qty: 10	

10mm Plastic Push-in Fittings & Tube Cutter

CONTENTS:

Tube Cutter KTC-1 Qty: 1	Flow Controller (Unidirectional) 2022-9761 Qty: 2	Equal Connector 2019-8321 Qty: 8
Equal Elbow 2019-8370 Qty: 3	1/8" BSPP Male Stud Elbow 2028-8312 Qty: 3	1/4" BSPP Male Stud Elbow 2028-8320 Qty: 3
1/4" BSPT Flow Controller 2022-9928 Qty: 2	3/8" BSPT Flow Controller 2022-9936 Qty: 1	Equal Tee 2019-8420 Qty: 2
1/8" BSPT Male Stud 2019-5038 Qty: 7	1/4" BSPT Male Stud 2019-5046 Qty: 7	Equal Bulkhead 2019-8529 Qty: 2
3/8" BSPT Male Stud 2019-5053 Qty: 5	1/8" BSPP Male Stud 2028-7926 Qty: 8	1/4" BSPP Male Stud 2028-7934 Qty: 6

Please refer to our Fluid Power Catalogue for more information



One Touch Plastic Push-in Fittings

Temperature Range:
Brass: 0°C to +60°C
Acetal: 0°C to +60°C

Working Pressure:
10 bar (150 psi)

Media:
Air & vacuum only.

Negative Pressure:
-750mm Hg (10Torr)

Tech Sheet 1964

Male Studs



Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-4890	4	M5
2019-4932	4	1/8"
2046-7163	4	M6
2019-4940	4	1/4"
2046-7164	4	3/8"
2019-4957	6	M5
2019-4965	6	1/8"
2046-7165	6	M6
2019-4973	6	1/4"
2019-4981	6	3/8"
2046-7166	6	1/2"
2019-4999	8	1/8"
2019-5004	8	1/4"
2019-5012	8	3/8"
2019-5020	8	1/2"
2019-5038	10	1/8"
2019-5046	10	1/4"
2019-5053	10	3/8"
2019-5061	10	1/2"
2019-5076	12	1/4"
2019-5087	12	3/8"
2019-5095	12	1/2"

Female Studs



Female Thread, BSPP

1060	OD mm	Thread
2019-6325	4	1/8"
2046-7167	4	1/4"
2019-6366	6	1/8"
2019-6416	6	1/4"
2019-6432	6	3/8"
2019-6440	8	1/8"
2019-6465	8	1/4"
2019-6721	8	3/8"
2046-7168	8	1/2"
2019-6739	10	1/8"
2019-6754	10	1/4"
2019-6911	10	3/8"
2046-7169	10	1/2"
2019-6929	12	1/4"
2019-7018	12	3/8"
2019-7059	12	1/2"

Male Stud Swivel Elbows



Male Thread, Metric & BSPT

1060	OD mm	Thread
2019-5103	4	M5
2019-5111	4	1/8"
2046-7170	4	M6
2019-5129	4	1/4"
2019-5822	6	M5
2019-5145	6	1/8"
2046-7171	6	M6
2019-5152	6	1/4"
2019-5160	6	3/8"
2046-7172	6	1/2"
2019-5178	8	1/8"
2019-5186	8	1/4"
2019-5194	8	3/8"
2019-5202	8	1/2"
2019-5210	10	1/8"
2019-5228	10	1/4"
2019-5236	10	3/8"
2019-5244	10	1/2"
2019-5251	12	1/4"
2019-5269	12	3/8"
2019-5277	12	1/2"

Female Bulkhead Connectors



Female Thread, Metric & BSPP

1060	OD mm	Thread	Bulk Head
2046-7194	4	M5	M12 x 1
2019-7083	4	1/8"	M12 x 1
2046-7196	4	1/4"	M12 x 1
2046-7197	6	M5	M14 x 1
2019-7125	6	1/8"	M14 x 1
2046-7198	6	M6	M14 x 1
2019-7133	6	1/4"	M14 x 1
2046-7199	6	3/8"	M14 x 1
2046-7200	6	1/2"	M14 x 1
2046-7201	8	1/8"	M16 x 1
2019-7166	8	1/4"	M16 x 1
2019-7182	8	3/8"	M16 x 1
2046-7202	8	1/2"	M16 x 1
2046-7203	10	1/8"	M20 x 1
2019-7299	10	1/4"	M20 x 1
2019-7307	10	3/8"	M20 x 1
2046-7204	10	1/2"	M20 x 1
2019-7315	12	1/4"	M22 x 1
2019-7497	12	3/8"	M22 x 1
2046-7205	12	1/2"	M22 x 1



Male Thread, BSPP

1060	OD mm	Thread
2028-7736	4	1/8"
2028-7793	4	1/4"
2028-7819	6	1/8"
2028-7843	6	1/4"
2028-7868	6	3/8"
2028-7876	8	1/8"
2028-7884	8	1/4"
2028-7900	8	3/8"
2028-7918	8	1/2"
2028-7926	10	1/8"
2028-7934	10	1/4"
2028-7942	10	3/8"
2028-7959	10	1/2"
2028-7967	12	1/4"
2028-7975	12	3/8"
2028-7983	12	1/2"



Male Thread, BSPP

1060	OD mm	Thread
2028-8221	4	1/8"
2028-8239	4	1/4"
2028-8247	6	1/8"
2028-8254	6	1/4"
2028-8262	6	3/8"
2028-8270	8	1/8"
2028-8288	8	1/4"
2028-8296	8	3/8"
2028-8304	8	1/2"
2028-8312	10	1/8"
2028-8320	10	1/4"
2028-8338	10	3/8"
2028-8379	10	1/2"
2028-8403	12	1/4"
2028-8411	12	3/8"
2028-8429	12	1/2"

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Please refer to our Fluid Power Catalogue for more information



Polyurethane Tube

Metric Polyurethane Ester Tube

Tech Sheet **3131**

Ester based tube is not suitable for use with water or in high humidity environments.

- Ester based Polyurethane tubing has outstanding characteristics compared with other pneumatic tubing. This tube is extremely flexible and offers excellent bend capabilities making it ideal for pneumatic control or robotic systems. It is also resistant to many chemicals, gases and oils as well as having excellent abrasion resistance. Ideal for use with Push-in fittings, Compression fittings, Quick-Fit fittings & Hose Tail fittings.



Metric, 25 Metre Coils

5030	OD mm	ID mm	PSI	Color	Length (m)
PU03/020B	3	2	Blue	150	
PU04/025N	4	2.5	Black	190	
PU04/025B	4	2.5	Blue	190	
PU04/025R	4	2.5	Red	190	
PU04/025Y	4	2.5	Yellow	190	
PU04/025G	4	2.5	Green	190	
PU04/025	4	2.5	Transparent	190	
PU05/030N	5	3	Black	160	
PU05/030B	5	3	Blue	160	
PU06/040N	6	4	Black	155	
PU06/040B	6	4	Blue	155	
PU06/040R	6	4	Red	155	
PU06/040Y	6	4	Yellow	155	
PU06/040G	6	4	Green	155	
PU06/040	6	4	Transparent	155	
PU08/055N	8	5.5	Black	150	
PU08/055B	8	5.5	Blue	150	
PU08/055R	8	5.5	Red	150	
PU08/055Y	8	5.5	Yellow	150	
PU08/055G	8	5.5	Green	150	
PU08/055	8	5.5	Transparent	150	
PU08/060N	8	6	Black	120	
PU08/060B	8	6	Blue	120	
PU08/060R	8	6	Red	120	
PU08/060Y	8	6	Yellow	120	
PU08/060G	8	6	Green	120	
PU08/060	8	6	Transparent	120	
PU10/065N	10	6.5	Black	125	
PU10/065B	10	6.5	Blue	125	
PU10/065R	10	6.5	Red	125	
PU10/065Y	10	6.5	Yellow	125	
PU10/065G	10	6.5	Green	125	
PU10/065	10	6.5	Transparent	125	
PU10/080N	10	8	Black	120	
PU10/080B	10	8	Blue	120	
PU10/080	10	8	Transparent	120	
PU12/080N	12	8	Black	120	
PU12/080B	12	8	Blue	120	
PU12/080R	12	8	Red	120	
PU12/080Y	12	8	Yellow	120	
PU12/080G	12	8	Green	120	
PU12/080	12	8	Transparent	120	
PU16/110	16	11	Blue	100	

Metric, 30 Metre Coils

5030	OD mm	ID mm	PSI	Color	Length (m)
PU04/025-30	4	2.5	Transparent	190	
PU04/025B-30	4	2.5	Blue	190	
PU06/040-30	6	4	Transparent	155	
PU06/040B-30	6	4	Blue	155	
PU08/055-30	8	5.5	Transparent	150	
PU08/055B-30	8	5.5	Blue	150	
PU08/060-30	8	6	Transparent	120	
PU08/060B-30	8	6	Blue	120	
PU10/065-30	10	6.5	Transparent	125	
PU10/065B-30	10	6.5	Blue	125	
PU10/080-30	10	8	Transparent	120	
PU10/080B-30	10	8	Blue	120	
PU12/080-30	12	8	Transparent	120	
PU12/080B-30	12	8	Blue	120	

Metric, 100 Metre Coils

5030	OD mm	ID mm	PSI	Color	Length (m)
PU04/025N-100	4	2.5	Black	190	
PU04/025B-100	4	2.5	Blue	190	
PU04/025R-100	4	2.5	Red	190	
PU04/025Y-100	4	2.5	Yellow	190	
PU04/025G-100	4	2.5	Green	190	
PU04/025-100	4	2.5	Transparent	190	
PU06/040N-100	6	4	Black	155	
PU06/040B-100	6	4	Blue	155	
PU06/040R-100	6	4	Red	155	
PU06/040Y-100	6	4	Yellow	155	
PU06/040G-100	6	4	Green	155	
PU06/040-100	6	4	Transparent	155	
PU08/055N-100	8	5.5	Black	150	
PU08/055B-100	8	5.5	Blue	150	
PU08/055R-100	8	5.5	Red	150	
PU08/055Y-100	8	5.5	Yellow	150	
PU08/055G-100	8	5.5	Green	150	
PU08/055-100	8	5.5	Transparent	150	
PU08/060N-100	8	6	Black	120	
PU08/060B-100	8	6	Blue	120	
PU08/060R-100	8	6	Red	120	
PU08/060Y-100	8	6	Yellow	120	
PU08/060G-100	8	6	Green	120	
PU08/060-100	8	6	Transparent	120	
PU10/065N-100	10	6.5	Black	125	
PU10/065B-100	10	6.5	Blue	125	
PU10/065R-100	10	6.5	Red	125	
PU10/065Y-100	10	6.5	Yellow	125	
PU10/065G-100	10	6.5	Green	125	
PU10/065-100	10	6.5	Transparent	125	
PU10/080N-100	10	8	Black	120	
PU10/080B-100	10	8	Blue	120	
PU10/080R-100	10	8	Red	120	
PU10/080Y-100	10	8	Yellow	120	
PU10/080G-100	10	8	Green	120	
PU10/080-100	10	8	Transparent	120	
PU12/080N-100	12	8	Black	120	
PU12/080B-100	12	8	Blue	120	
PU12/080R-100	12	8	Red	120	
PU12/080G-100	12	8	Green	120	
PU12/080-100	12	8	Transparent	120	

FLUID POWER

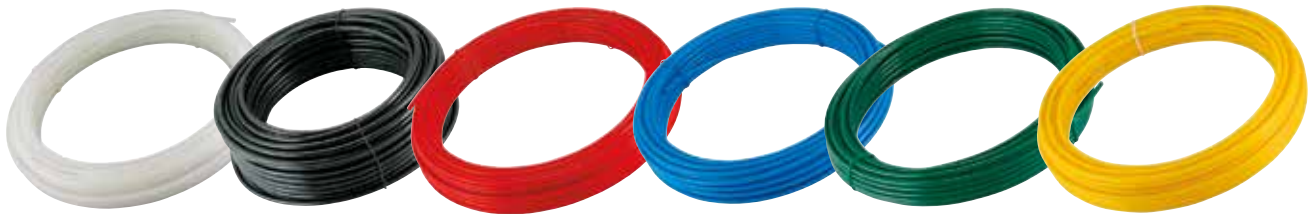
Please refer to our Fluid Power Catalogue for more information



Nylon Tubing & Tube Cutters

Metric Flexible Nylon Tubing, Type NT (to BS5409)

Tube is not suitable for use with water or in high humidity environments.



Temperature Range:
-10°C to +80°C

- U.V. Stable
- Silicone Free

- Abrasion Resistant
- Manufactured from quality grade nylon granules.

Other colours and lengths available on request

The properties of this tube make it ideal for use in pneumatic control systems. (Ideally suited for use with push-in fittings).

30 Metre Coils

5010	OD mm	ID mm	PSI	PSI
NTM04/030	4	3	Natural	300
NTM04/025	4	2.5	Natural	400
NTM04/025N	4	2.5	Black	400
NTM04/025B	4	2.5	Blue	400
NTM04/025G	4	2.5	Green	400
NTM04/025R	4	2.5	Red	400
NTM04/025Y	4	2.5	Yellow	400
NTM05/030	5	3	Natural	400
NTM05/030N	5	3	Black	400
NTM05/030B	5	3	Blue	400
NTM05/030G	5	3	Green	400
NTM05/030R	5	3	Red	400
NTM05/030Y	5	3	Yellow	400
NTM05/033	5	3.3	Natural	300
NTM06/040	6	4	Natural	350
NTM06/040N	6	4	Black	350
NTM06/040B	6	4	Blue	350
NTM06/040G	6	4	Green	350
NTM06/040R	6	4	Red	350
NTM06/040Y	6	4	Yellow	350
NTM06/045	6	4.5	Natural	300
NTM08/060	8	6	Natural	350
NTM08/060N	8	6	Black	350
NTM08/060B	8	6	Blue	350
NTM08/060G	8	6	Green	350
NTM08/060R	8	6	Red	350
NTM08/060Y	8	6	Yellow	350
NTM08/055	8	5.5	Natural	350

30 Metre Coils

5010	OD mm	ID mm	PSI	PSI
NTM08/055N	8	5.5	Black	350
NTM10/070	10	7	Natural	300
NTM10/070N	10	7	Black	300
NTM10/070B	10	7	Blue	300
NTM10/070G	10	7	Green	300
NTM10/070R	10	7	Red	300
NTM10/070Y	10	7	Yellow	300
NTM10/080	10	8	Natural	220
NTM10/080N	10	8	Black	220
NTM10/080B	10	8	Blue	220
NTM10/080G	10	8	Green	220
NTM10/080R	10	8	Red	220
NTM10/080Y	10	8	Yellow	220
NTM12/090	12	9	Natural	250
NTM12/090N	12	9	Black	250
NTM12/090B	12	9	Blue	250
NTM12/090G	12	9	Green	250
NTM12/090R	12	9	Red	250
NTM12/090Y	12	9	Yellow	250
NTM12/100	12	10	Natural	200
NTM12/100N	12	10	Black	200
NTM12/100R	12	10	Red	200
NTM14/110	14	11	Natural	250
NTM14/110N	14	11	Black	250
NTM15/120	15	12	Natural	200
NTM16/130	16	13	Natural	200
NTM18/140	18	14	Natural	200
NTM22/170	22	17	Natural	180

100 Metre Coils

5010	OD mm	ID mm	PSI	PSI
NTM04/025-100	4	2.5	Natural	400
NTM05/030-100	5	3	Natural	400
NTM06/040-100	6	4	Natural	350
NTM06/040N-100	6	4	Black	350
NTM06/040B-100	6	4	Blue	350
NTM06/040G-100	6	4	Green	350
NTM06/040R-100	6	4	Red	350
NTM06/040Y-100	6	4	Yellow	350
NTM08/060-100	8	6	Natural	350
NTM08/060N-100	8	6	Black	350
NTM08/060B-100	8	6	Blue	350
NTM10/080-100	10	8	Natural	220
NTM10/080N-100	10	8	Black	220
NTM10/080B-100	10	8	Blue	220

500 Metre Drums

5010	OD mm	ID mm	PSI	PSI
NTM06/040-500	6	4	Natural	350
NTM06/040-500B	6	4	Blue	350
NTM08/060-500	8	6	Natural	350

Tech Sheet 3136

Nylon & Polyurethane Tube Cutter

3mm-16mm

5010

KTC-1



Blue



Nylon Tubing

This range of nylon products is produced in a state-of-the-art manufacturing facility. All products undergo rigorous testing to ensure the optimum life can be achieved from the end product. Tube can be produced to your special requirements with optional length, size, colour and branding available (minimum quantities and lead times will apply). Please contact our Business Development Team for further information.

Please refer to our Fluid Power Catalogue for more information



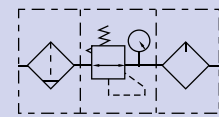
Air Preparation Filter/Regulator & Lubricator



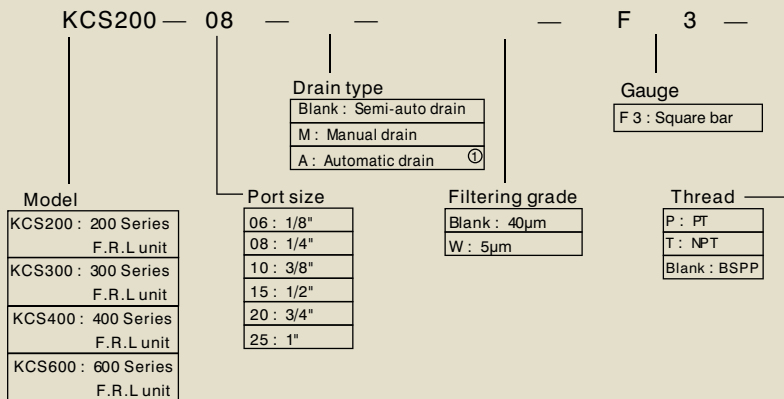
Specification

Model	KCS200-06	KCS200-08	KCS300-08	KCS300-10	KCS300-15	KCS400-10	KCS400-15	KSC600-20	KSC600-25	
Fluid	Air									
Port	1/8"	1/4"	1/4"	3/8"	1/2"	3/8"	1/2"	3/4"	1"	
Micron	40µm or 5µm									
Pressure Range	Semi-Auto & Automatic Drain: 0.15-0.9MPa (20-130psi)									
	Manual Drain: 0.05-0.9MPa (7-130psi)									
Proof Pressure	1.5 MPa (215psi)									
Temperature Range	-5 to +60°C									
Capacity of Drain Bowl	10CC		40CC			80CC		230CC		
Capacity of Oil Bowl	25CC		75CC			160CC		380CC		
Recommended Lubricant	ISO VG 32 or equivalent									
Weight	580g		1300g			2360g		5550g		
	Filter	KFS200-06	KFS200-08	KFS300-08	KFS300-10	KFS300-15	KFS400-10	KFS400-15	KFS600-20	KFS600-25
Constitute	Regulator	KRS200-06	KRS200-08	KRS300-08	KRS300-10	KRS300-15	KRS400-10	KRS400-15	KRS600-20	KRS600-25
	Lubricator	KLS200-06	KLS200-08	KLS300-08	KLS300-10	KLS300-15	KLS400-10	KLS400-15	KLS600-20	KLS600-25

Symbol



Ordering Code

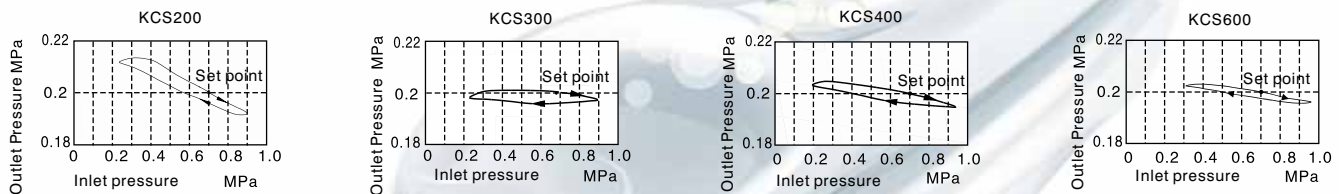


① The function of automatic drain is not available for KCS200 series

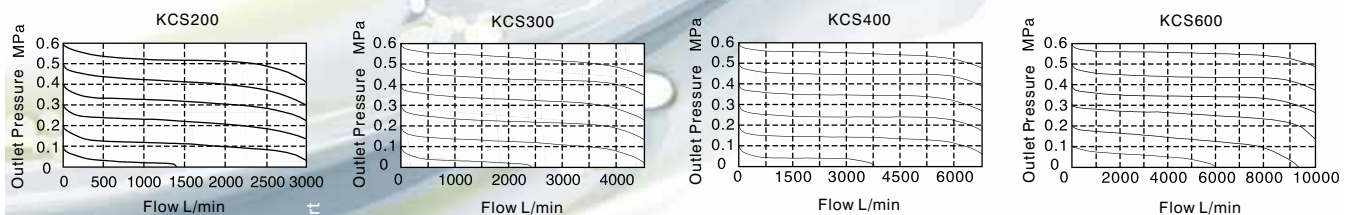
Product Features

- 1 Gap seal structure makes oil supply adjustment more reliable.
- 2 The adjustment ring for the oil supply will revolve once through 360° thus oil supply can be gauged by the position of the graduated ring.
- 3 Oil is fed into the system by venturi nozzle.
- 4 Installation is quick and reliable.
- 5 Pressure adjustment is precise.
- 6 Filtration 40 micron or 5 micron.
- 7 Three drain types are available manual drain, semi-auto drain and automatic drain.

Pressure Charts



Flow Charts (Inlet Pressure 0.7MPa)

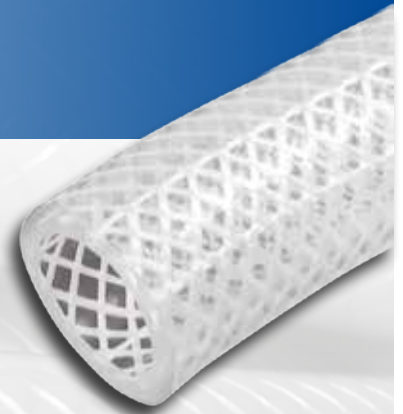


Please refer to our Fluid Power Catalogue for more information



Braided PVC Hose

Reinforced PVC Braided Hose,
Type RPVC & HDPVC (to BS6066)

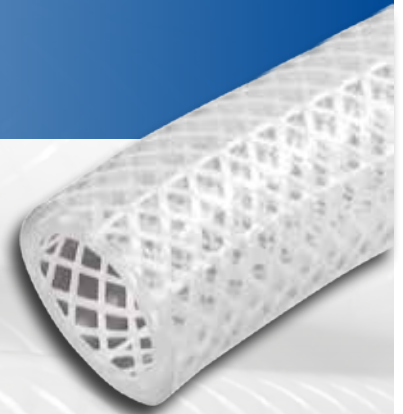


Part Number	Nominal Dimension	ID x OD mm	Max. Working Pressure bar	Burst Pressure bar	Bend Radius mm	Weight kg/roll
RPVC18	1/8"	3 x 8	13	50	15	1.10
RPVC532	5/32"	4 x 9	13	50	17	1.80
RPVC316	3/16"	5 x 10	13	50	20	2.10
RPVC14	1/4"	6 x 11	15	65	25	2.30
RPVC516	5/16"	8 x 13	15	58	33	2.70
RPVC38	3/8"	10 x 15	12	45	40	3.20
RPVC12	1/2"	13 x 18	12	40	52	4.00
RPVC58	5/8"	16 x 21	10	35	64	5.00
RPVC34	3/4"	19 x 25	10	32	76	7.10
RPVC1	1"	25 x 31	9	28	100	8.90
RPVC114	1.1/4"	32 x 40	6	26	125	16.00
RPVC112	1.1/2"	38 x 46	5	20	152	19.00
RPVC2	2"	50 x 60	3	17	200	31.00
<hr/>						
HDPVC14	1/4"	6.5 x 11.5	16	65	30	2.50
HDPVC516	5/16"	8 x 13.5	16	58	35	3.30
HDPVC38	3/8"	10 x 16	15	45	45	3.50
HDPVC12	1/2"	12.5 x 18.5	12	40	52	5.00
HDPVC58	5/8"	16 x 23	10	35	74	7.80
HDPVC34	3/4"	20 x 26	10	32	80	7.30
HDPVC1	1"	25 x 33	10	28	110	12.80
HDPVC114	1.1/4"	32 x 41	6	26	130	18.90
HDPVC112	1.1/2"	40 x 49	6	20	165	23.00
HDPVC2	2"	50 x 62	3	17	220	38.00

Given working pressures are based on an ambient temperature of 20°C. Due to the natural properties of PVC, as the ambient temperature increases the pressures the hose will withstand decrease at an average rate of 15% per increase of 10°C and in similar increments thereafter.



Please refer to our Fluid Power Catalogue for more information



Braided PVC Hose

Reinforced PVC Braided Hose, Type RPVC & HDPVC (to BS6066)

Manufactured from top quality crystal clear 'virgin' PVC compound, and ideal for factory airlines, fluid systems and many industrial applications. Reinforced with a high tensile quality polyester yarn, it offers high working pressures and extreme flexibility.

The hose is resistant to a wide range of chemicals (please consult our Business Development Team for further details).

Applications:

- Water supply and draining
- Transfer of various fluids and powder
- Supplying water, gas, oil, etc. in agriculture and industry
- Compressed air
- Other special purposes

Characteristics:

- Excellent abrasion resistance
- High resistance to alkalis and acids
- Silicone free
- Cadmium free
- Low toxicity
- Excellent transparency
- Manufactured to comply with BS6066 and ISO5774
- Produced from FDA approved materials
- Durable, anti-cold proof, non-inflated
- Highly flexible, lightweight and easy to handle
- No fissure phenomenon by ultraviolet rays and direct rays of the sun
- Little expansion or contraction

Length*	15m	30m	100m
Size	From 3/16" ID to 2" ID		
Temperature	Min -20°C	Max +65°C	

*Other lengths available on request.



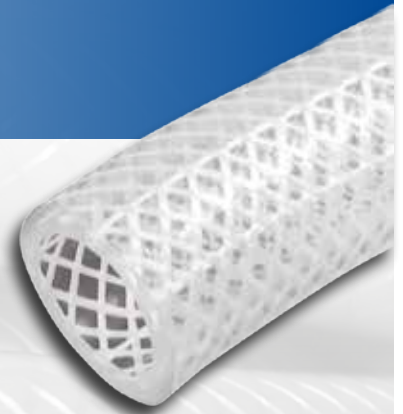
Please refer to our Fluid Power Catalogue for more information

FLUID
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Braided PVC Hose

Reinforced PVC Braided Hose,
Type RPVC & HDPVC (to BS6066)



Part Number	Nominal Dimension	ID x OD mm	Max. Working Pressure bar	Burst Pressure bar	Bend Radius mm	Weight kg/roll
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RPVC532	5/32"	4 x 9	13	50	17	1.80
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RPVC516	5/16"	8 x 13	15	58	33	2.70
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RPVC12	1/2"	13 x 18	12	40	52	4.00
RPVC58	5/8"	16 x 21	10	35	64	5.00
RPVC34	3/4"	19 x 25	10	32	76	7.10
RPVC1	1"	25 x 31	9	28	100	8.90
RPVC114	1.1/4"	32 x 40	6	26	125	16.00
RPVC112	1.1/2"	38 x 46	5	20	152	19.00
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HDPVC516	5/16"	8 x 13.5	16	58	35	3.30
HDPVC38	3/8"	10 x 16	15	45	45	3.50
HDPVC12	1/2"	12.5 x 18.5	12	40	52	5.00
HDPVC58	5/8"	16 x 23	10	35	74	7.80
HDPVC34	3/4"	20 x 26	10	32	80	7.30
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Given working pressures are based on an ambient temperature of 20°C. Due to the natural properties of PVC, as the ambient temperature increases the pressures the hose will withstand decrease at an average rate of 15% per increase of 10°C and in similar increments thereafter.



Please refer to our Fluid Power Catalogue for more information



Nickel Plated Brass & Brass Hose Tails

This technical data is applicable to the full range of hose tail fittings and air line fittings including tees, elbows, reducers and silencers, etc.

Threads:

Tapered in conformity with ISO 7.1, BS 21, DIN 2999.

Parallel in conformity with ISO 228 class A.

Metric in conformity with ISO R/262.

Media:

Compressed air, water, oils and fluids in general for the hydraulic and pneumatic fields.

NB:

Safe pressures and temperatures depend entirely on the tubes being used, for this reason the values must be determined in accordance with the tube features.



Male x Hose Tail, Brass

Male Thread, BSPT

1010		To Suit Hose I.D.
GT10/04K	1/8"	1/8"
GT10/05K	1/8"	3/16"
GT10/06K	1/8"	1/4"
GT10/08K	1/8"	5/16"
GT10/09K	1/8"	3/8"
GT10/13K	1/8"	1/2"
GT13/04K	1/4"	1/8"
GT13/05K	1/4"	3/16"
GT13/06K	1/4"	1/4"
GT13/08K	1/4"	5/16"
GT13/09K	1/4"	3/8"
GT13/13K	1/4"	1/2"
GT13/16K	1/4"	5/8"
GT13/19K	1/4"	3/4"
GT17/05K	3/8"	3/16"
GT17/06K	3/8"	1/4"
GT17/08K	3/8"	5/16"
GT17/09K	3/8"	3/8"
GT17/13K	3/8"	1/2"
GT17/16K	3/8"	5/8"
GT17/19K	3/8"	3/4"
GT21/05K	1/2"	3/16"
GT21/06K	1/2"	1/4"
GT21/08K	1/2"	5/16"
GT21/09K	1/2"	3/8"
GT21/13K	1/2"	1/2"
GT21/16K	1/2"	5/8"
GT21/19K	1/2"	3/4"
GT21/25K	1/2"	1"
GT23/16K	5/8"	5/8"
GT26/06K	3/4"	1/4"
GT26/08K	3/4"	5/16"
GT26/09K	3/4"	3/8"
GT26/13K	3/4"	1/2"
GT26/16K	3/4"	5/8"
GT26/19K	3/4"	3/4"
GT26/25K	3/4"	1"
GT26/31K	3/4"	1.1/4"
GT33/13K	1"	1/2"
GT33/16K	1"	5/8"
GT33/19K	1"	3/4"
GT33/25K	1"	1"
GT33/31K	1"	1.1/4"
GT33/38K	1"	1.1/2"
GT42/19K	1.1/4"	3/4"
GT42/25K	1.1/4"	1"
GT42/31K	1.1/4"	1.1/4"
GT48/31K	1.1/2"	1.1/4"
GT48/38K	1.1/2"	1.1/2"
GT48/50K	1.1/2"	2"
GT52/38K	2"	1.1/2"
GT52/50K	2"	2"
GT56/53K	2.1/2"	2.1/2"
GT60/58K	3"	3"

Male x Hose Tail, Nickel Plated Brass

Male Thread, BSPT

1010		To Suit Hose I.D.
GT10/04KNP	1/8"	1/8"
GT10/05KNP	1/8"	3/16"
GT10/06KNP	1/8"	1/4"
GT10/08KNP	1/8"	5/16"
GT10/09KNP	1/8"	3/8"
GT13/04KNP	1/4"	1/8"
GT13/05KNP	1/4"	3/16"
GT13/06KNP	1/4"	1/4"
GT13/08KNP	1/4"	5/16"
GT13/09KNP	1/4"	3/8"
GT13/13KNP	1/4"	1/2"
GT13/16KNP	1/4"	5/8"
GT13/19KNP	1/4"	3/4"
GT17/05KNP	3/8"	3/16"
GT17/06KNP	3/8"	1/4"
GT17/08KNP	3/8"	5/16"
GT17/09KNP	3/8"	3/8"
GT17/13KNP	3/8"	1/2"
GT17/16KNP	3/8"	5/8"
GT17/19KNP	3/8"	3/4"
GT21/06KNP	1/2"	1/4"
GT21/08KNP	1/2"	5/16"
GT21/09KNP	1/2"	3/8"
GT21/13KNP	1/2"	1/2"
GT21/16KNP	1/2"	5/8"
GT21/19KNP	1/2"	3/4"
GT21/25KNP	1/2"	1"
GT26/09KNP	3/4"	3/8"
GT26/13KNP	3/4"	1/2"
GT26/16KNP	3/4"	5/8"
GT26/19KNP	3/4"	3/4"
GT26/25KNP	3/4"	1"
GT33/13KNP	1"	1/2"
GT33/19KNP	1"	3/4"
GT33/25KNP	1"	1"
GT33/38KNP	1"	1.1/2"
GT33/31KNP	1"	1.1/4"
GT42/25KNP	1.1/4"	1"
GT42/31KNP	1.1/4"	1.1/4"
GT48/38KNP	1.1/2"	1.1/2"
GT48/50KNP	1.1/2"	2"
GT52/38KNP	2"	1.1/2"
GT52/50KNP	2"	2"

Tech Sheet 20089

Please refer to our Fluid Power Catalogue for more information



Wire Reinforced Suction Hose

Page Tech Sheet 20214

Wire Reinforced Suction Hose

Clear PVC reinforced with a tensile steel helix

Applications: Suitable for the suction and discharge of water, slurry, chemicals, sewage, granules and other waste materials; can also be used for suction and discharge of foodstuffs.

Pressures: Values given are based on the short term burst pressure of the hose at 20°C based on a 3:1 safety factor.

Note: Any increase in temperature above 20°C will result in a decline in working pressure values.

Chemical Resistance: Resistant to most oxidising and reducing agents and diluted acids and alkalis. For more detailed information please contact technical sales.

Approvals: Hose complies fully to EU No.10/201 on plastic materials and articles intended to come into contact with food.

Cold bend: -45°C

Vacuum: 711mm Hg = 94% at 20°C



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Clear with Blue Wire Spiral, 10 Metre Coils

5997	-ID-	mm	bar	mm
FX075-10	3/4"	3.4	6	80
FX100-10	1"	4	6	100
FX125-10	1.1/4"	4.8	5	130
FX150-10	1.1/2"	5.5	5	155
FX200-10	2"	7	5	200
FX250-10	2.1/2"	7	4	260
FX300-10	3"	8	4	320
FX400-10	4"	8	4	430

Clear with Blue Wire Spiral, 30 Metre Coils

5997	-ID-	mm	bar	mm
FX050-30	1/2"	3	6	50
FX075-30	3/4"	3.4	6	80
FX100-30	1"	4	6	100
FX125-30	1.1/4"	4.8	5	130
FX150-30	1.1/2"	5.5	5	155
FX200-30	2"	7	5	200
FX250-30	2.1/2"	7	4	260
FX300-30	3"	8	4	320
FX400-30	4"	8	4	430


Please refer to our Fluid Power Catalogue for more information



Industrial PU Ducting

This high performance ducting range is manufactured in Europe and is made from premium-grade ester polyurethane compound, reinforced with a copper coated spring steel helix.

Applications: transport hose for abrasive solids including: dust, powder, fibres, etc. Also suitable for extracting gaseous media such as oil vapours and welding fume.

 **Working Temperature:**
-40°C to +90°C

Intermittent to:
+125°C

- Excellent abrasion resistance
- Wire spiral reinforcement can be earthed
- Super flexible, low weight
- Small bend radius
- Resistant to oil, petrol and chemicals
- High tensile strength and tear resistance
- Good UV and ozone resistance

New Features:

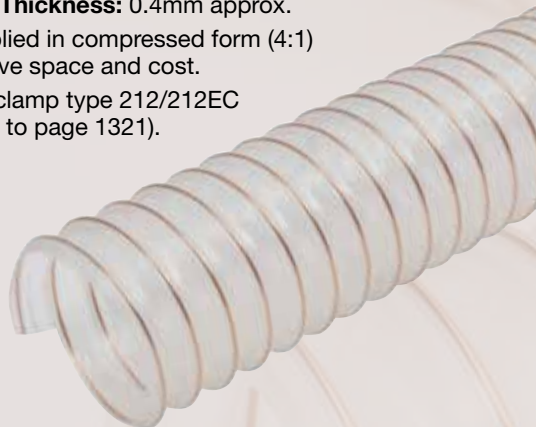
- New construction
- Higher vacuum rating
- Improved airflow

Lightweight High Performance Polyurethane

Wall Thickness: 0.4mm approx.

Supplied in compressed form (4:1) to save space and cost.

Use clamp type 212/212EC (refer to page 1321).

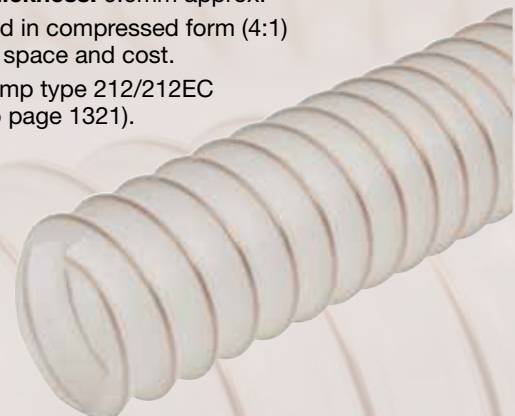


Medium Weight High Performance Polyurethane

Wall Thickness: 0.6mm approx.

Supplied in compressed form (4:1) to save space and cost.

Use clamp type 212/212EC (refer to page 1321).



0.4mm Wall Thickness, 10 Metres

0391	ID mm	OD mm	bar	Vacuum bar	kg per mt
PURLW-38	38	46	0.630	0.245	0.220
PURLW-50	50	58	0.480	0.170	0.280
PURLW-60	60	68	0.405	0.145	0.340
PURLW-65	65	73	0.370	0.130	0.360
PURLW-75	75	83	0.325	0.115	0.410
PURLW-80	80	88	0.305	0.110	0.440
PURLW-90	90	98	0.270	0.095	0.490
PURLW-100	100	108	0.245	0.055	0.510
PURLW-115	115	123	0.210	0.050	0.580
PURLW-120	120	128	0.205	0.045	0.610
PURLW-125	125	133	0.195	0.045	0.630
PURLW-130	130	138	0.185	0.040	0.660
PURLW-140	140	148	0.175	0.040	0.710
PURLW-150	150	158	0.160	0.035	0.760
PURLW-160	160	168	0.150	0.035	0.810
PURLW-180	180	188	0.135	0.030	0.900
PURLW-200	200	208	0.120	0.025	1.030
PURLW-225	225	234	0.110	0.020	1.160
PURLW-250	250	259	0.100	0.020	1.280

0.6mm Wall Thickness, 10 Metres

0391	ID mm	OD mm	bar	Vacuum bar	kg per mt
PURMW-38	38	45	1.075	0.355	0.220
PURMW-50	50	58	0.820	0.220	0.370
PURMW-60	60	68	0.685	0.180	0.430
PURMW-65	65	73	0.635	0.165	0.460
PURMW-75	75	83	0.550	0.145	0.530
PURMW-80	80	88	0.515	0.135	0.570
PURMW-90	90	98	0.460	0.120	0.630
PURMW-100	100	108	0.415	0.080	0.670
PURMW-115	115	123	0.360	0.070	0.760
PURMW-120	120	128	0.345	0.065	0.790
PURMW-125	125	133	0.335	0.065	0.830
PURMW-130	130	138	0.320	0.060	0.860
PURMW-140	140	148	0.295	0.055	0.920
PURMW-150	150	158	0.275	0.055	0.990
PURMW-160	160	168	0.260	0.050	1.050
PURMW-180	180	188	0.230	0.045	1.170
PURMW-200	200	208	0.210	0.030	1.330
PURMW-225	225	233	0.185	0.025	1.480
PURMW-250	250	258	0.165	0.025	1.640
PURMW-300	300	309	0.140	0.020	2.140
PURMW-350	350	359	0.120	0.020	2.490
PURMW-400	400	409	0.105	0.015	2.840

Available per metre, contact sales for more information.

Please refer to our Fluid Power Catalogue for more information

FLUID POWER



Superior Safety Compressed Air Hose Assemblies





DCH hose is manufactured with a special formula which will outperform PVC and rubber in all application requirements.

- Greater temperature range for all weather and environment applications
- Improved abrasion compared to both PVC and rubber
- Tensile strength 10% better than rubber up to 150kg
- Coupling retention tried and tested up to 200kg
- Excellent flexibility
- Full hose traceability

All assemblies are supplied complete with Jaymac safety claw couplings, rubber sealing ring and anti-vibration nuts.

- Condition:** lab temperature @ 25C
- Pressure test:** Burst pressure 72Bar,
- Hardness test:**
 - Inside layer:** 77A
 - Outside layer:** 72A
- Temperature test:** tested to -30°C
- NOTE:** Optimize bend radius at 25°C
- Peel strength:** 4.45kgf
- Expansion rate:** 2.4%
- Extension rate:** -4.7%

 **Working Temperature:** -30°C to +60°C

 **Maximum Working Pressure:** 20 bar 3:1 ratio

Specification	ID	OD	Length	W.P.	B.P.	Bend Radius	Working Temperature
INCH	MM	MM	M	BAR	BAR	MM	
3/4	19	29	15	20	60	60	-30°C to +60°C

Please refer to our Fluid Power Catalogue for more information



HYDRAULIC HOSE RANGE

420 bar (6090 psi) – 10 bar (145 psi)

- Superior performance
- Superior quality
- Manufactured and tested to stringent international standards
- Competitively priced

The range consists of:

- EN853-1
- EN853-2
- MSHA approved EN853-2
- EN857-1SC compact
- EN857-2SC compact
- EN856-4SP
- EN856-4SH
- SAE100R17
- 100R4
- 100R6
- 100R6 coloured
- 100R7 thermoplastic
- 100R7 twin
- 100R8
- Wire braid steam hose
- PTFE convoluted and smooth bore
- Thermoplastic paint spray
- Thermoplastic sewer jetting

Proven reliability and effectiveness ensures that this range of hydraulic hose is used extensively in manufacturing facilities and in the mobile plant industry.

The hose is **colour coded** for easier identification and available for **special order** with the option of **customers' own branding***.

Hose assembly service available

If you have any requirements for sizes or types of hose not shown in the catalogue please contact a member of our Business Development Team.

Tech Sheet
5000

Please refer to our Fluid Power Catalogue for more information



Retention System for Pressure Hoses

Prevent whipping of a pressurised hose in the event of the hose separating from its fitting



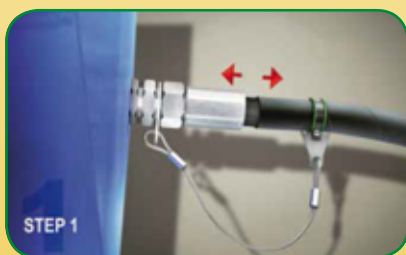
SUITABLE FOR VARIOUS APPLICATIONS, INCLUDING:

- DIN & BSP Fittings
- JIC Fittings
- SAE Flanges



- Protects both the operator and components
- Recommended by the International Hydraulic Safety Authority – the world leader in hydraulic safety training
- Suitable for all kinds of flexible hose
- Tested protection: compliant with EN 853, EN 854, EN 855, EN 856, EN 857, SAE J517

How it works...



1: Disengagement:
A hose disengages from its ferrule.



2: Release/venting of pressure
The pressurised oil exits from the hose and the release of energy results in the hose gaining considerable velocity, triggering a hazardous “whip effect” which is very dangerous to anyone or anything in its vicinity.



Step 3: Restraint
This is where the Stopflex system gets into operation: the stainless steel cable is tensioned and restrains the hose, preventing it from ‘whipping’. The plate cuts into the rubber of the hose, to ensure that the clamp remains firmly attached. The hose clamp and plate absorb the force released from the travel of the flexible hose. This critical step occurs within just a few seconds.

Please refer to our Fluid Power Catalogue for more information



Hy-fitt has a quality range of hydraulic quick release couplings which have been manufactured to the highest specification using quality materials.

The range consists of interchange couplings designed to meet or exceed ISO A, ISO B, Flat Faced ISO 16028, Trailer Break ISO 5676, Spin on High Pressure 88, 97 and 98 Series, in a variation of coated steel, stainless steel and brass.



Hy-fitt quick release couplings are tried, tested and used extensively throughout the world's manufacturing facilities and in the mobile plant industry.

Applications:

- Hydraulics
- Offshore
- Construction
- Marine
- Agriculture
- High pressure water applications
- Mining
- OEM machine building

NOW INCLUDES VITON SEALING OPTIONS FOR MORE AGGRESSIVE MEDIA

Please refer to our Fluid Power Catalogue for more information

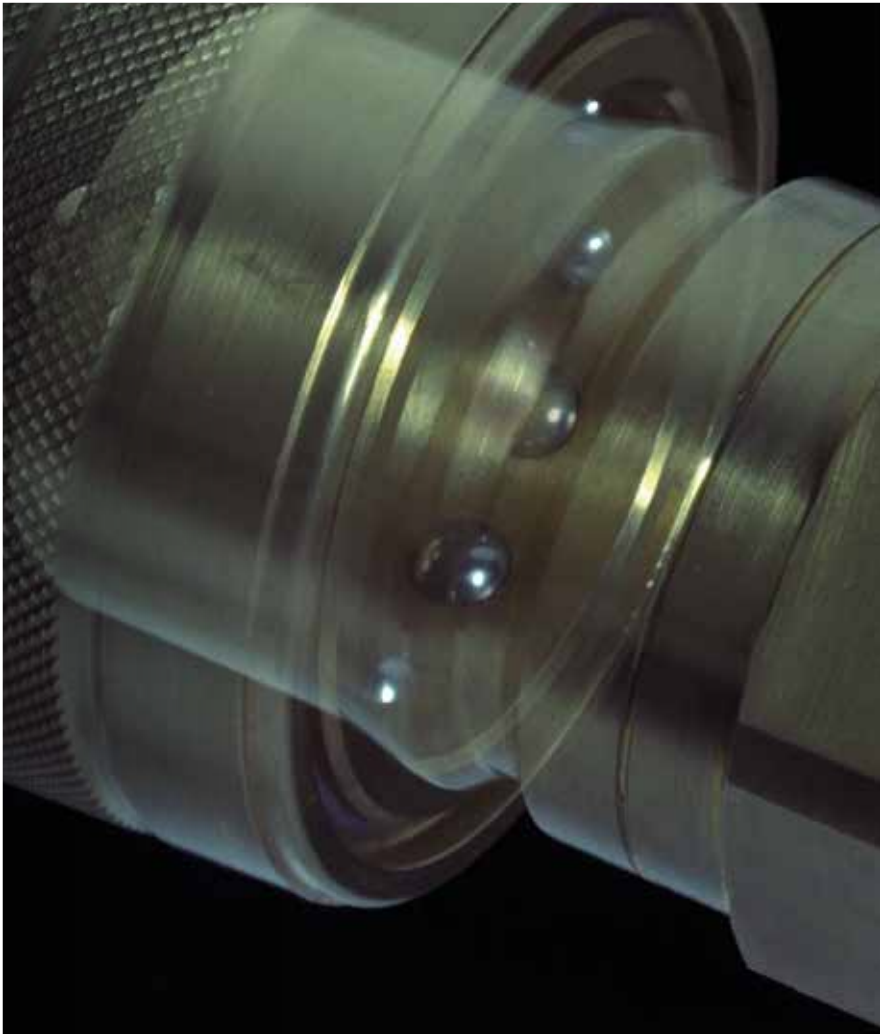


The leader in coupling innovation

- DNP combine sophisticated complex technology, highly skilled and experienced operators, tight production and assembly controls, and systematic vigorous testing in order to produce a vast range of superior couplings.
- Quality assurance ISO 9002.
- Interchangeable couplings with other major manufacturers.
- The range consists of over 60 varieties of couplings, including ISO A, ISO B, flat face, screw/ISO 14541 and push-pull, with working pressures up to 1500 bar.
- The range also includes multi-coupling plates which allow simultaneous coupling and uncoupling of a certain number of hydraulic and/or electrical lines.



- Selected ranges (flat face – PVT4 BOP, PVTX BOP, PST4 BOP and ISO B – PBV1 BOP) come with Lloyds registered approval. The range is specially designed for blow-out preventer accumulator systems in the oil and gas market.



FULL RANGE AVAILABLE

Tech Sheet 20574

Please refer to our Fluid Power Catalogue for more information

FLUID POWER



Metric Hydraulic Tubing

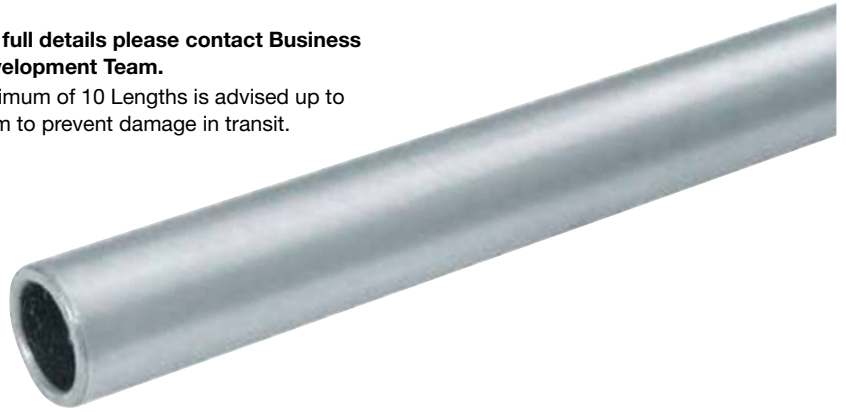
Hydraulic Tubing

3 metre lengths next day.

6 metre lengths may take up to 3 working days to be delivered, dependant on weight and delivery address location. Additional carriage charges may apply.

For full details please contact Business Development Team.

Minimum of 10 Lengths is advised up to 8mm to prevent damage in transit.



Chrome 6 Free, 3 Metre Lengths

0201	OD mm	mm	Pressure Kg/cm ²
HST4X1.0-C6F	4	1	624
HST6X1.0-C6F	6	1	365
HST6X1.5-C6F	6	1.5	624
HST6X2.0-C6F	6	2	989
HST8X1.0-C6F	8	1	259
HST8X1.5-C6F	8	1.5	423
HST8X2.0-C6F	8	2	624
HST10X1.0-C6F	10	1	201
HST10X1.5-C6F	10	1.5	321
HST10X2.0-C6F	10	2	460
HST12X1.0-C6F	12	1	164
HST12X1.5-C6F	12	1.5	259
HST12X2.0-C6F	12	2	365
HST14X1.5-C6F	14	1.5	217
HST14X2.0-C6F	14	2	303
HST15X1.5-C6F	15	1.5	201
HST15X2.0-C6F	15	2	279
HST16X1.5-C6F	16	1.5	187
HST16X2.0-C6F	16	2	259
HST16X2.5-C6F	16	2.5	337
HST16X3.0-C6F	16	3	423
HST18X1.5-C6F	18	1.5	164
HST18X2.0-C6F	18	2	226
HST18X2.5-C6F	18	2.5	300
HST20X2.0-C6F	20	2	201
HST20X2.5-C6F	20	2.5	259
HST20X3.0-C6F	20	3	321
HST20X3.5-C6F	20	3.5	388
HST20X4.0-C6F	20	4	460
HST22X1.5-C6F	22	1.5	132
HST22X2.0-C6F	22	2	181
HST22X2.5-C6F	22	2.5	232
HST25X1.5-C6F	25	1.5	115
HST25X2.0-C6F	25	2	157
HST25X2.5-C6F	25	2.5	201
HST25X3.0-C6F	25	3	247
HST25X4.0-C6F	25	4	347
HST28X1.5-C6F	28	1.5	102
HST28X2.0-C6F	28	2	139
HST28X2.5-C6F	28	2.5	177
HST28X3.0-C6F	28	3	217
HST30X2.5-C6F	30	2.5	164
HST30X3.0-C6F	30	3	201
HST30X4.0-C6F	30	4	279
HST35X2.0-C6F	35	2	109
HST35X2.5-C6F	35	2.5	139
HST35X3.0-C6F	35	3	169
HST35X5.0-C6F	35	5	303
HST38X3.0-C6F	38	3	155
HST38X4.0-C6F	38	4	213
HST42X3.0-C6F	42	3	139
HST42X4.0-C6F	42	4	190
HST50X3.0-C6F	50	3	115
HST50X5.0-C6F	50	5	201
HST50X6.0-C6F	50	6	247

Chrome 6 Free, 6 Metre Lengths

0201	OD mm	mm	Pressure Kg/cm ²
HST10X1.0-C6F-6M	10	1	201
HST10X1.5-C6F-6M	10	1.5	321
HST10X2.0-C6F-6M	10	2	460
HST12X1.0-C6F-6M	12	1	164
HST12X1.5-C6F-6M	12	1.5	259
HST12X2.0-C6F-6M	12	2	365
HST14X1.5-C6F-6M	14	1.5	217
HST14X2.0-C6F-6M	14	2	303
HST15X1.5-C6F-6M	15	1.5	201
HST15X2.0-C6F-6M	15	2	279
HST16X1.5-C6F-6M	16	1.5	187
HST16X2.0-C6F-6M	16	2	259
HST16X2.5-C6F-6M	16	2.5	337
HST16X3.0-C6F-6M	16	3	423
HST18X1.5-C6F-6M	18	1.5	164
HST18X2.0-C6F-6M	18	2	226
HST18X2.5-C6F-6M	18	2.5	392
HST20X2.0-C6F-6M	20	2	201
HST20X2.5-C6F-6M	20	2.5	259
HST20X3.0-C6F-6M	20	3	321
HST20X3.5-C6F-6M	20	3.5	388
HST20X4.0-C6F-6M	20	4	460
HST22X1.5-C6F-6M	22	1.5	132
HST22X2.0-C6F-6M	22	2	181
HST22X2.5-C6F-6M	22	2.5	232
HST25X1.5-C6F-6M	25	1.5	115
HST25X2.0-C6F-6M	25	2	157
HST25X2.5-C6F-6M	25	2.5	232
HST25X3.0-C6F-6M	25	3	247
HST25X4.0-C6F-6M	25	4	347
HST28X1.5-C6F-6M	28	1.5	102
HST28X2.0-C6F-6M	28	2	139
HST28X2.5-C6F-6M	28	2.5	177
HST28X3.0-C6F-6M	28	3	217
HST30X2.5-C6F-6M	30	2.5	164
HST30X3.0-C6F-6M	30	3	201
HST30X4.0-C6F-6M	30	4	279
HST35X2.0-C6F-6M	35	2	109
HST35X2.5-C6F-6M	35	2.5	139
HST35X3.0-C6F-6M	35	3	169
HST35X5.0-C6F-6M	35	5	303
HST38X3.0-C6F-6M	38	3	155
HST38X4.0-C6F-6M	38	4	213
HST42X3.0-C6F-6M	42	3	139
HST42X4.0-C6F-6M	42	4	190
HST50X3.0-C6F-6M	50	3	115
HST50X5.0-C6F-6M	50	5	201
HST50X6.0-C6F-6M	50	6	247

Chrome 6 Free, 6 Metre Lengths, Bundles of 10 (Price Each)

0201	OD mm	mm	Pressure Kg/cm ²
HST4X1.0-C6F-6M	4	1	624
HST6X1.0-C6F-6M	6	1	365
HST6X1.5-C6F-6M	6	1.5	624
HST6X2.0-C6F-6M	6	2	989
HST8X1.0-C6F-6M	8	1	259
HST8X1.5-C6F-6M	8	1.5	423
HST8X2.0-C6F-6M	8	2	624

FLUID POWER

Please refer to our Fluid Power Catalogue for more information



HYDRAULIC TUBE CLAMPS

Our quality range of Hydraulic Tube Clamps have been manufactured to the highest specifications using quality materials and conforms to DIN 3015 and DIN 3570 Standards.

The vast range includes:

Light, heavy and double units in sizes ranging from 6mm to 168.3mm. Body materials of polypropylene, polyamide, rubber and aluminium, also with plates and bolts in steel (zinc plated) and stainless steel offering anti-corrosion and fire retardant options. U bolts, pipe saddles, steel clamps and O clamps are available.

The range is tried, tested and used extensively throughout the world's manufacturing facilities and in the mobile plant industry.

If you have any requirements for sizes or types of clamps not shown in the catalogue, please contact a member of our sales team.

Applications:

- Hydraulics
- Construction
- Agriculture
- Mining
- OEM Machine Building
- Offshore
- Marine
- Automotive Technology
- Machine Tool
- Lubrication Systems



RBS clamps according to DIN 3015 are DNV certified

Please refer to our Fluid Power Catalogue for more information



Walform Machine Hire



Most popular cold forming tube fitting system in the world!

Hassle free hire includes:

- **Walform machine**
- **Tooling**
- **Shipping and Collection**

Hire available now with an order for Eaton Walterscheid compression fittings, tube and clamps

Contact your Account Manager to discuss your requirements

FLUID
POWER

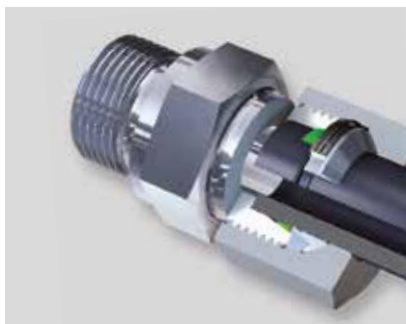
Eaton's Walterscheid Trilogy

- Simple final in service assembly with prefabricated tube ends
- Best in class performance
- Maximum system stability & safety
- Superior quality
- Global availability

WALPRO™



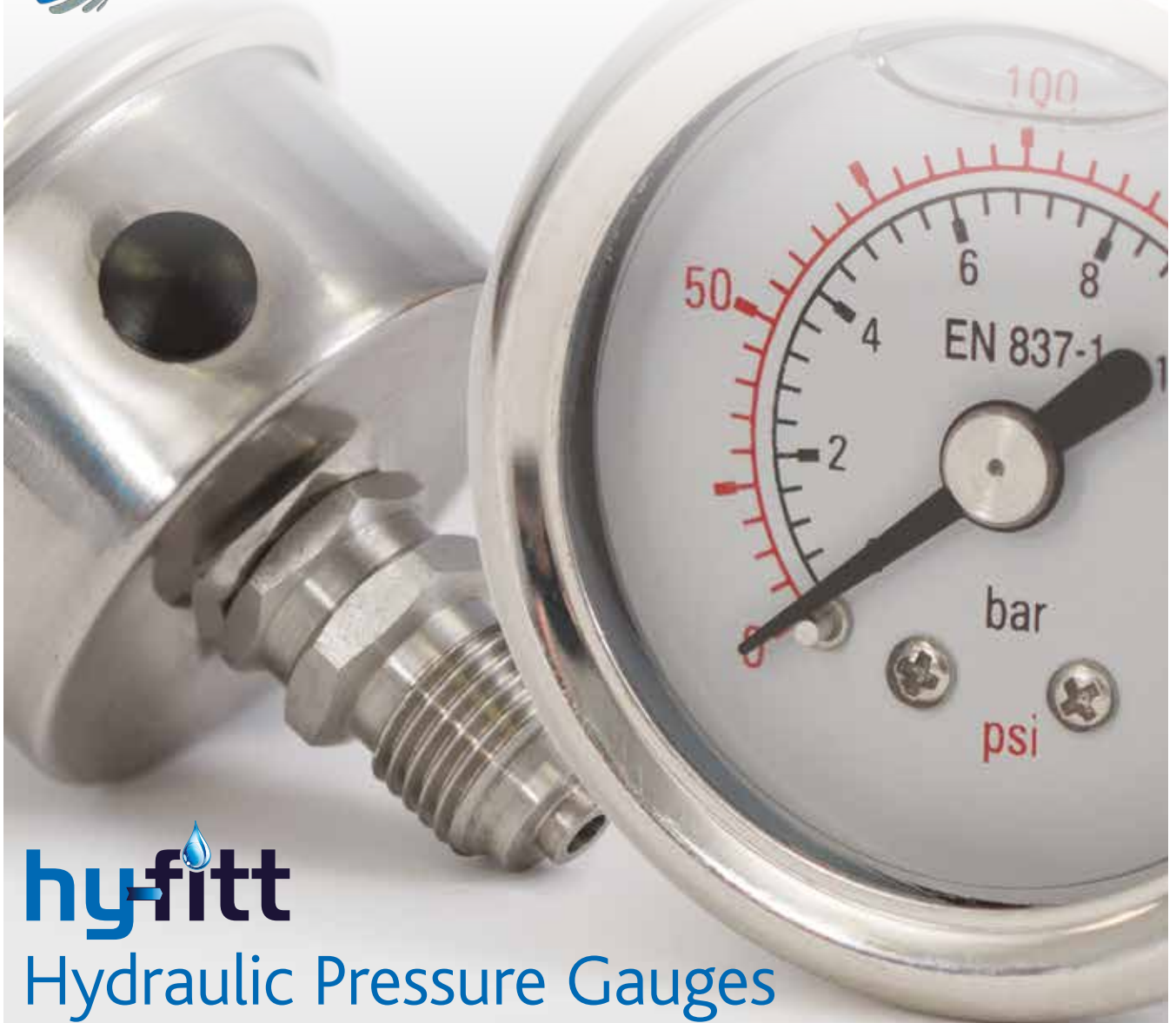
WALRING™



WALFORM™



Please refer to our Fluid Power Catalogue for more information



hyfitt

Hydraulic Pressure Gauges

This quality range of hydraulic glycerine-filled pressure gauges have been manufactured to the highest specification using quality materials.

The range includes stainless steel cased to complete stainless steel units with 40mm, 63mm and 100mm dials. Pressures range from 0-1 bar to 0-600 bar, with rear and bottom connections of 1/4" and 1/2" in BSPP and BSPT.

Hy-fitt gauges are tried, tested and used extensively throughout the world's manufacturing facilities and in the mobile plant industry.

For your peace of mind all gauges can be supplied with a calibration certificate at a nominal charge.

Applications:

- Hydraulics
- Construction
- Agriculture
- Mining
- OEM machine building
- Offshore
- Marine
- High pressure water applications
- Service kits



Please refer to our Fluid Power Catalogue for more information



Pressure Gauges

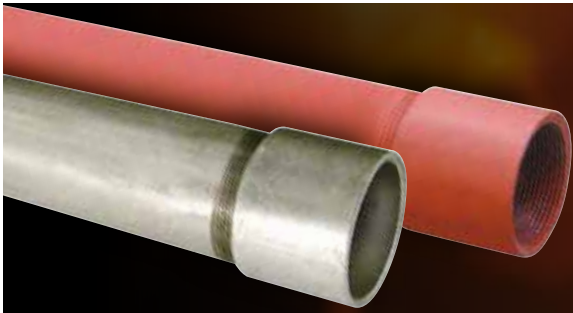
Air-Pro dry gauges are a market leading range offering a reliable solution for pressure monitoring within pneumatic systems.

Used extensively throughout the world's manufacturing facilities, all units have been 100% pressure tested and inspected, so quality can be guaranteed.

Applications:

- Construction • Chemical • Agriculture • Offshore • Mining
- Automotive • OEM machine • Rail building • Industrial

Please refer to our Fluid Power Catalogue for more information



MASTERS OF MALLEABLE IRON

The most extensive choice of **MALLEABLE IRON** to suit any application and any budget

The choice of fittings is very much dependent on the application, the engineer's reference and budget. With a choice of five brands, large stocks and speedy delivery, there's no need to look any further.

Brand	Duty	Fitting Variations*	Beaded	Banded	Thread	BSI Kitemarked®	Up to 4"	Up to 5"	Up to 6"	WRAS approved	Max Temp	Max Working Pressure	Casting: ISO5922	Threads: ISO 7-1	Manufactured: according to EN 10142 and ISO 49	Design: ISO49, BS EN 10242w	Testing: BS 143 & 1256	Materials: ASTM A-197, ASTM A47
EE	Heavy	26	Y		Male Taper, Female Parallel		Y				300**	25**	Y	Y	Y	Y		

For full technical specification, please contact the manufacturer.

* Excludes brackets, nuts, flanges, plates and rings.

** Maximum temperature +120°C at maximum working pressure of 20 bar.

Beaded Range

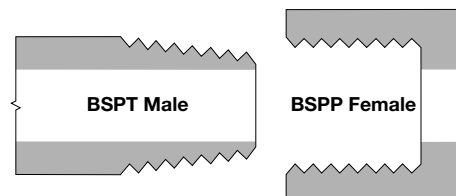
- Male Taper, Female Parallel – EN10226-1
- Available in black or galvanised finish
- Heavy duty ranges manufactured in accordance with EN 10142

Parallel Pipe Thread to EN10226-1 Standard

- 55° thread angle

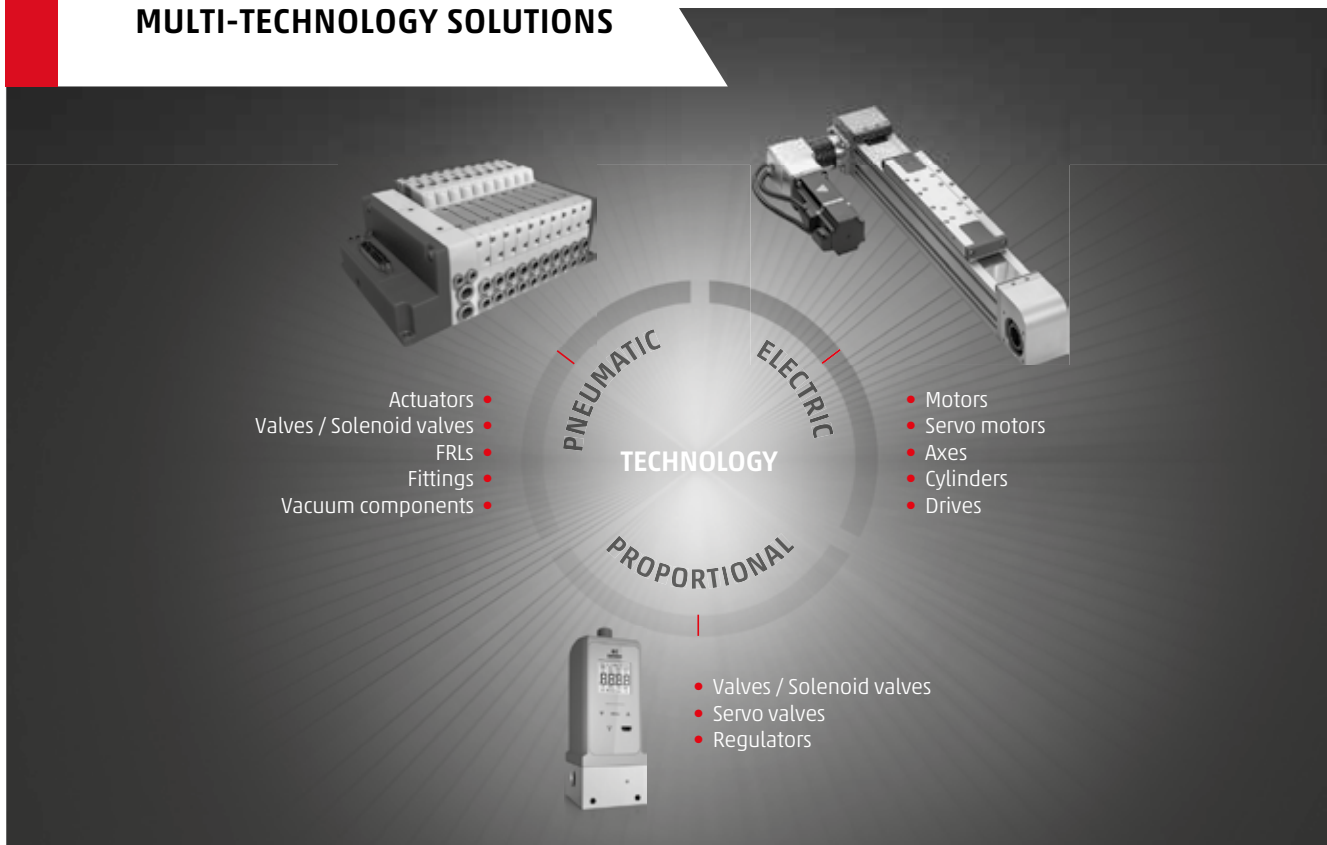
BS EN 10241 from K-Line Connect

- From 1/8" to 4" thread
- Lengths up to 300mm



Please refer to our Fluid Power Catalogue for more information




CAMOZZI AUTOMATION YOUR BEST CHOICE FOR MULTI-TECHNOLOGY SOLUTIONS



More than just pneumatics

Camozzi's multi-technological approach makes it possible to offer an optimal solution for every application by choosing from the best pneumatic, electric and proportional technologies available.

This process requires a depth of expertise that not only addresses both the characteristics of technologies and products, but also considers the functional requirements of the end application.

-  INDUSTRIAL AUTOMATION
-  LIFE SCIENCE
-  TRANSPORTATION



Series 16, 23, 24 and 25 Mini-Cylinders

Single-acting and double-acting - CETOP RP52-P DIN/ISO 6432

Series 16: \varnothing 8, 10, 12 mm

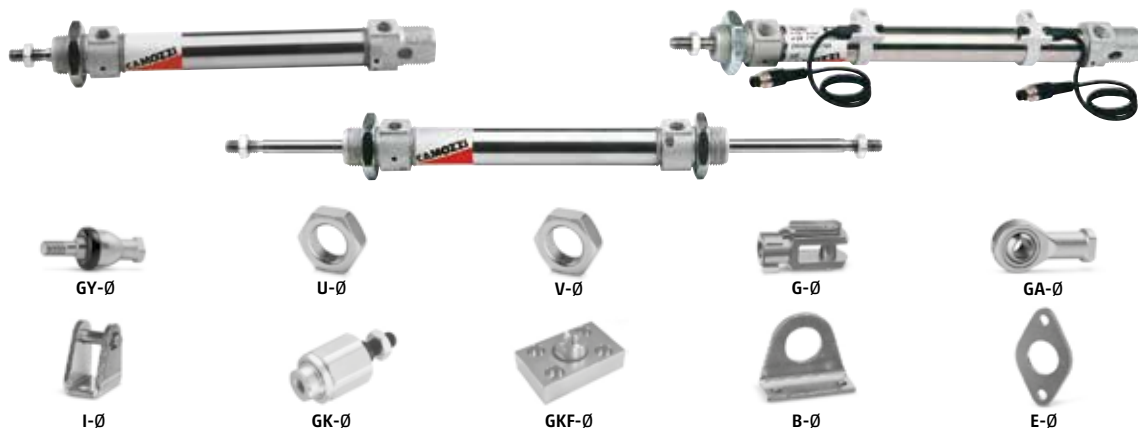
Series 23: \varnothing 16, 20, 25 mm - magnetic, auto-cushioned

Series 24: \varnothing 16, 20, 25 mm - magnetic

Series 25: \varnothing 16, 20, 25 mm - magnetic cushioned



*Series 23 not currently included



CODING EXAMPLE

24	N	2	A	16	A	100	-
24	SERIES: 16 = non-magnetic 23 = magnetic, auto-cushioning 24 = magnetic 25 = magnetic adjustable cushioning			16	BORE: 8, 10, 12, 16, 20, 25mm		
N	VERSION: N = standard			A	TYPE OF BRACKET: A = standard (screw with ring + lock nut for rod) RL = cylinder with rod lock \varnothing 20 - \varnothing 25		
2	OPERATION: 1 = single-acting (front spring) 2 = double-acting 3 = double-acting (through rod) 7 = single-acting (through rod)			100	STROKE: (see table)		
A	MATERIALS: A = rolled stainless steel AISI 303 rod, stainless steel AISI 304 tube, anodized AL end-blocks			-	SPECIAL: to be specified V = Rod Seal Viton W = all seals in FKM, +130°C (for series 25 only) (_ _) = extended rod _ _ _ mm		

FLUID POWER

STANDARD STROKES FOR MINICYLINDERS SERIES 16-23-24-25

- Double-acting
- ✱ Single-acting

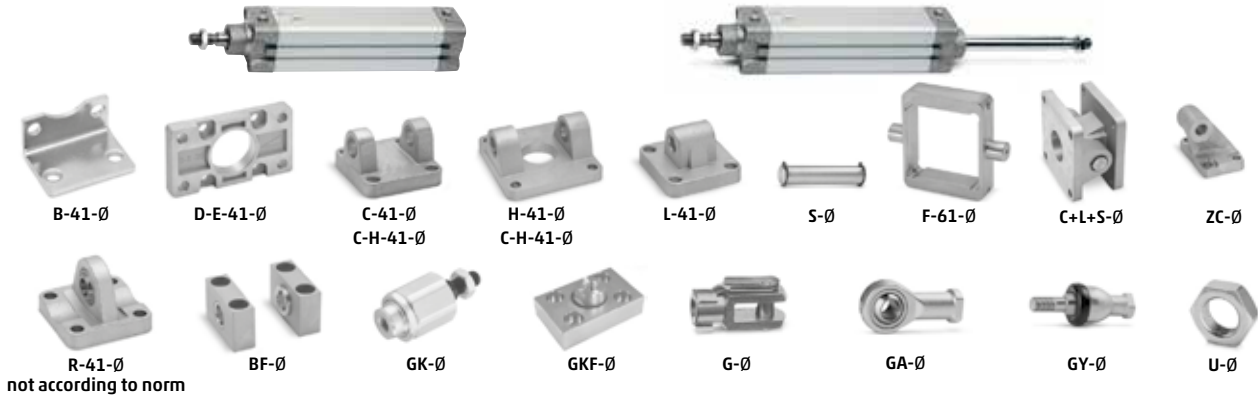
standard strokes		10	25	40	50	80	100	125	160	200	250	300	320	400	500
series	\varnothing														
16	8	✱	✱	✱	✱										
16	10	✱	✱	✱	✱										
16	12	✱	✱	✱	✱										
24	16	✱	✱	✱	✱										
24	20	✱	✱	✱	✱										
24	25	✱	✱	✱	✱										
23/25	16														
23/25	20														
23/25	25														

Series 61 Cylinders - Aluminium Profile

ISO 15552 - DIN/ISO 6431 - VDMA 24562

Single and double-acting, magnetic, cushioned. Standard, low friction, low temperatures and tandem versions

∅ 32 - 40 - 50 - 63 - 80 - 100 - 125mm



CODING EXAMPLE

61	M	2	P	050	A	0200	-
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61	SERIES: 61 = from ∅32 - 125 DIN/ISO 15552	050	BORE: 32, 40, 50, 63, 80, 100, 125mm
M	VERSION: M = magnetic N = non magnetic L = Low friction, magnetic	A	CONSTRUCTION: A = standard with rod nut RL = cylinder with rod lock
2	OPERATION: 1 = single-acting (front spring) 2 = double-acting (front and rear cushions) 3 = double-acting (no cushion) 4 = double-acting (rear cushions) 5 = double-acting (front cushion) 6 = double-acting (through-rod with front and rear cushions) 7 = single-acting (through-rod)	0200	STROKE: (see table)
P	MATERIALS: P = rolled stainless steel rod, AISI 420B anodised profile aluminium tube NBR seals - rod seals polyurethane, nuts and tie-rods zinc-plated steel (See full technical catalogue for all options)		<ul style="list-style-type: none"> = standard V = FKM rod seal N = tandem R = NBR rod seal W = all FKM seals +130°C C = PU coated cylinder. Colour: Grey* L = low friction version without rod seal (rear supply only)** (_ _) = extended piston rod _ _ _ mm G = with brass rod scraper (chrome plated stainless steel AISI 420B rod, NBR rod seal) [∅ 125 excepted] <p>*Version C: available on request. ***The possibility to order the cylinder without piston rod seal, further reduces the friction force.</p>

61M2P = standard version in stock (32 - 100)

Note: All cylinder are supplied with rod nuts. The accessories are supplied separately

STANDARD STROKES FOR CYLINDERS SERIES 61

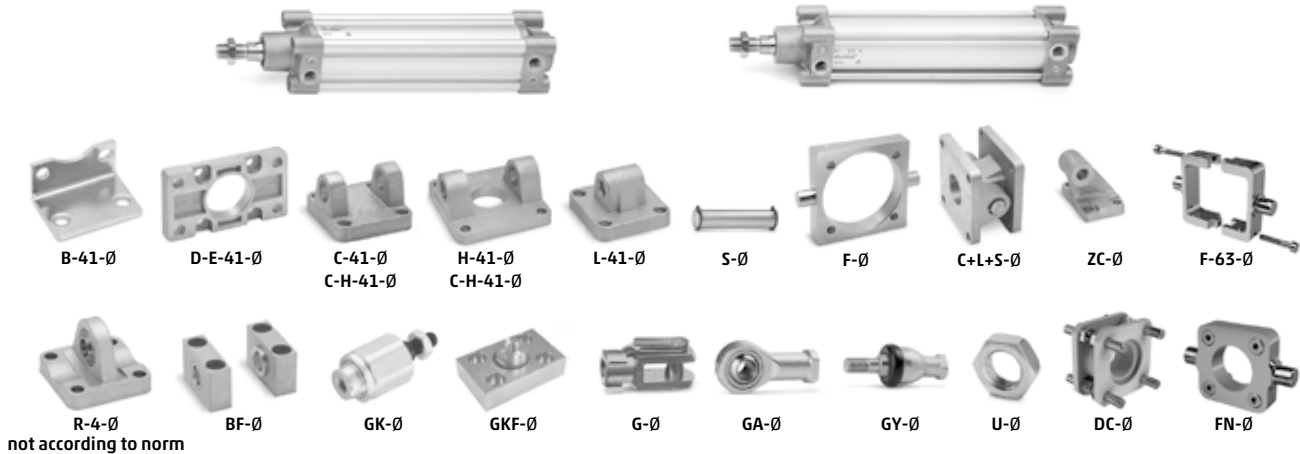
- Double-acting (standard and low friction versions)
Other strokes up to 2500 mm are available on request
- * Single-acting (standard versions)

standard strokes	∅	25	50	75	80	100	125	150	160	200	250	300	320	400	500
32	■*	■*	■*	■	■	■	■	■	■	■	■	■	■	■	■
40	■*	■*	■*	■	■	■	■	■	■	■	■	■	■	■	■
50	■*	■*	■*	■	■	■	■	■	■	■	■	■	■	■	■
63	■*	■*	■*	■	■	■	■	■	■	■	■	■	■	■	■
80	■*	■*	■*	■	■	■	■	■	■	■	■	■	■	■	■
100		■*	■*	■	■	■	■	■	■	■	■	■	■	■	■
125		■	■	■	■	■	■	■	■	■	■	■	■	■	■

FLUID POWER

Series 63 Cylinders - ISO 15552

Single and double-acting, magnetic, cushioned.
Standard, low friction, high and low temperatures
Ø 32, 40, 50, 63, 80, 100, 125 mm.



not according to norm

CODING EXAMPLE

63	M	P	2	C	050	A	0200	W				
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63	SERIES: 63	W	TEMPERATURE RANGE: = standard (-20°C/+80°C) W = high temperatures (150°C) Z = low temperatures (-40°C) Y = low temperatures (-50°C)
M	VERSION: M = standard, magnetic V = smooth movement (low speed), magnetic L = Low friction, magnetic		
P	CONSTRUCTION: T = round tube P = profile		RESISTANCE TO CORROSION: = standard C1 = rod nut AISI 304 stainless steel, rod AISI 304 stainless steel C2 = end cap treated screws (profile) or AISI 303 tie-rods and AISI 420B tie-rods (round tube) C3 = C2 + AISI 316 rod nut, AISI 316 rod C4 = C1 + C2 C5 = C3 + end caps with triple protection
2	OPERATION: 1 = single-acting, front spring 2 = double-acting 6 = double-acting, through-rod 7 = single-acting, through-rod 9 = single-acting, rear spring		
C	CUSHIONING: N = no cushioning (mechanical endstops) C = cushioning on both sides F = front cushioning R = rear cushioning		ROD VARIATIONS: = standard (male rod thread) F = female rod thread K = end caps with Kanigen treatment L = without rod seal (rear air inlet only) V = FKM rod seal R = NBR rod seal U = unlubricated operation H = hydrolytic environment A = use in food and other frequent washdown applications G = dry and dusty environments (with brass rod scraper and chrome-plated stainless steel AISI 420B rod) B = cylinder with NBR bellow rod protection B2 = cylinder with through rod and NBR bellow rod protection on both sides (___) = rod longer than ___mm
050	BORE: 32, 40, 50, 63, 80, 100, 125mm		
A	CONSTRUCTION: A = standard with rod nut RL = cylinder with rod lock DC = back to back cylinder with DC accessory (X1/X2) TR = back to back cylinder for round tube (X1/X2) F = cylinder with centre trunnion		
0200	STROKE: = standard N = tandem / = more positions X1/X2 (X1<X2)		OTHER: P = cylinder with RAL 7035 polyurethane coating
			CERTIFICATIONS: EX = ATEX

STANDARD STROKES FOR CYLINDERS SERIES 63

- Double-acting, (standard, low friction, high/low temperatures)
- ✱ Single-acting front spring (standard, high/low temperature)
- ▲ Single-acting, rear spring (standard, high/low temperatures)

standard strokes	25	50	75	80	100	125	150	160	200	250	300	320	400	500
32	■ ✱ ▲	■ ✱ ▲	■ ✱	■	■	■	■	■	■	■	■	■	■	■
40	■ ✱ ▲	■ ✱ ▲	■ ✱	■	■	■	■	■	■	■	■	■	■	■
50	■ ✱ ▲	■ ✱ ▲	■ ✱	■	■	■	■	■	■	■	■	■	■	■
63	■ ✱ ▲	■ ✱ ▲	■ ✱	■	■	■	■	■	■	■	■	■	■	■
80	■ ✱ ▲	■ ✱ ▲	■ ✱	■	■	■	■	■	■	■	■	■	■	■
100		■ ✱ ▲	■ ✱	■	■	■	■	■	■	■	■	■	■	■
125		■ ✱ ▲	■ ✱	■	■	■	■	■	■	■	■	■	■	■

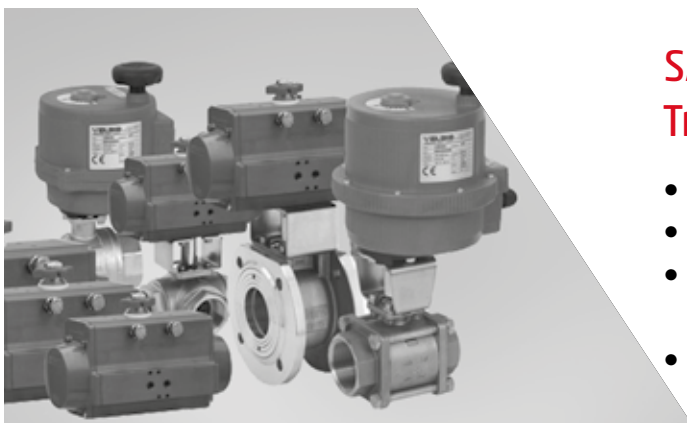
UK Cylinder Service



Reduce Lead Times for Pneumatic Cylinders

- Built the same or next day
- Includes many cylinder types

Actuated Valve Assemblies



SAME DAY DESPATCH Try the service today!

- Pneumatic and Electric Actuators
- Single and Double Acting
- Comprehensive Range of Valves (Ex-Stock)
- Fully Assembled and Tested

Series 4 Valves and Solenoid Valves

3/2, 5/2 and 5/3 way CC CO CP

Connections: 1/8, 1/4 and 1/2. Full range available.

438-015-22*		438-011-22*		458-015-22*		458-011-22*	
*Coil sold separately							
434-015-22*		434-011-22*		454-015-22*		454-011-22*	
*Coil sold separately							
438-35		458-35		438-33		458-33	
434-35		454-35		434-33		454-33	

Full Range Available:

Valve Islands
- UK Assembly



Mechanical and
Manual Valves



Flow Control Valves



Automatic Valves



FLUID
POWER

Series MX Filter-Regulators

Connections: MX2=3/8, 1/2, 3/4 MX3=3/4, 1. Modular
Bowl with technopolymer cover and bayonet-type mounting



CODING EXAMPLE

MX 2 - 1/2 - FR 0 0 0 4 M - LH

MX Series: MX	0 DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard - only for polymer bowl) 3 = automatic drain 5 = depressuring drain, protected (only for polymer bowl) 8 = without drain with connection 1/8
2 SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	0 OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 4 = 0 - 4 bar 7 = 0.5 - 7 bar (MX2 only)
3/8 CONNECTIONS: 3/8, 1/2, 3/4, 1	4 PRESSURE GAUGE: 0 = without pressure gauge 2 = with built-in pressure gauge 0-6 and working pressure 0-4 bar 3 = with built-in pressure gauge 0-10 and working pressure 0-7 bar (MX2 only) 4 = with built-in pressure gauge 0-12 and working pressure 0.5 - 10 bar (standard)
FR FILTER REGULATOR	
0 FILTERING ELEMENT WITH DESIGN TYPE: 0 = 25µm with relieving (standard) 1 = 5µm with relieving 2 = 25µm without relieving 3 = 5µm without relieving	M TYPE OF BOWL: = polymer (standard) M = metal (only for MX2-1/2 and MX3-1)
	LH FLOW DIRECTION: = from left to right (standard) LH = from right to left

FLUID
POWER

Air Treatment Box Sets



Reduce costs and save time

- 1/2 & 3/8
- Removes Contaminants
- Controls Pressure
- Extends Component Service Life
- Increased Safety

Series MX Filters

Connections: MX2=3/8, 1/2, 3/4
 MX3=3/4, 1. Modular
 Bowl with technopolymer cover and
 bayonet-type mounting



CODING EXAMPLE

MX | **2** | - | **1/2** | - | **F** | **0** | **0** | **M** | **1** | - | **LH**

MX	SERIES: MX	0	DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard - only for polymer bowl) 3 = automatic drain 5 = depressuring drain, protected (only for polymer bowl) 8 = without drain with connection 1/8
2	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	M	TYPE OF BOWL: = polymer (standard) M = metal (only for MX2-1/2 and MX3-1)
1/2	CONNECTIONS: 3/8, 1/2, 3/4, 1	1	VISUAL BLOCKAGE INDICATOR: = not present 1 = present
F	FILTER	LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left
0	FILTERING ELEMENT: 0 = 25µm (standard) 1 = 5µm		

Series MX Pressure Regulators

Connections: MX2=3/8, 1/2, 3/4
 MX3=3/4, 1. Manifold Connections: 1/2
 (MX2 only)
 Modular - Available with built-in
 pressure gauges or with connection for
 external gauge



CODING EXAMPLE

MX | **2** | - | **3/8** | - | **R** | **0** | **0** | **4** | - | **LH**

MX	SERIES: MX	0	DESIGN TYPE: 0 = relieving (standard) 1 = without relieving 2 = relieving, with by-pass valve (only regulator) 3 = without relieving, with by-pass valves (only regulator)
2	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	4	PRESSURE GAUGE: 0 = without pressure gauge (with threaded connection for gauges) 2 = with built-in pressure gauge 0-6 and working pressure 0 - 4 bar 3 = with built-in pressure gauge 0-10 and working pressure 0 - 7 bar (MX2 only) 4 = with built-in pressure gauge 0-12 and working pressure 0.5 - 10 bar (standard)
3/8	CONNECTIONS: 3/8, 1/2, 3/4, 1	LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left
R	TYPE OF REGULATOR: R = pressure regulator M = manifold pressure regulator (MX2 1/2 only)		
0	OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 4 = 0 - 4 bar 7 = 0.5 - 7 bar (MX2 only)		

Series MX Lubricators

Connections: MX2=3/8, 1/2, 3/4
 MX3=3/4, 1. Modular
 Bowl with technopolymer cover and
 bayonet-type mounting



CODING EXAMPLE

MX | **2** | - | **1/2** | - | **L** | **00** | **M** | - | **LH**

MX	SERIES: MX	00	DESIGN TYPE: 00 = atomized oil
2	SIZE: 2 = 3/8 - 1/2 - 3/4 3 = 3/4 - 1	M	TYPE OF BOWL: = polymer (standard) M = metal (for MX2-1/2 and mx3-1 only)
1/2	CONNECTIONS: 3/8, 1/2, 3/4, 1	LH	FLOW DIRECTION: = from left to right (standard) LH = from right to left
L	LUBRICATOR		

FLUID
POWER

Series MD Filter/Regulators

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with \varnothing 6, 8 and 10mm. Modular assembly. Bowl with technopolymer cover and bayonet-type mounting.



CODING EXAMPLE

MD	1	-	FR	0	0	0	0	-	1/8
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MD SERIES: MD	0 DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard) 5 = depressuring drain, protected 8 = no drain with connection 1/8
1 SIZE: 1 = 42mm	0 OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 2 = 0 - 2 bar 4 = 0 - 4 bar 7 = 0.5 - 7 bar
FR FILTER REGULATOR	0 PRESSURE GAUGE: 0 = without pressure gauge (1/8 Connection)
0 FILTERING ELEMENT WITH DESIGN TYPE: 0 = 25 μ m with relieving (standard) 1 = 5 μ m with relieving 2 = 25 μ m without relieving 3 = 5 μ m without relieving 4 = 25 μ m with relieving version VS 5 = 5 μ m with relieving version VS 6 = 25 μ m without relieving version VS (for semiautomatic-manual drain only) 7 = 5 μ m without relieving version VS (for semiautomatic-manual drain only)	1/8 CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10

Series MD Filters

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with \varnothing 6, 8 and 10mm. Modular assembly. Bowl with technopolymer cover and bayonet-type mounting.



CODING EXAMPLE

MD	1	-	F	0	0	0	-	1/8
-----------	----------	---	----------	----------	----------	----------	---	------------

MD SERIES: MD	0 DRAINING OF CONDENSATE: 0 = semi-automatic manual drain (standard) 5 = depressuring drain, protected 8 = no drain with connection 1/8
1 SIZE: 1 = 42mm	
F FILTER	0 VISUAL INDICATOR: 0 = Without indicator 1 = With indicator
0 FILTERING ELEMENT: 0 = 25 μ m (standard) 1 = 5 μ m	1/8 CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10

Full range of accessories available

Series MD Pressure Regulators

Connections with interchangeable cartridges: threaded (1/8, 1/4, 3/8) or integrated with super-rapid fitting for tube with \varnothing 6, 8 and 10mm. Versions: single, combined with other functions, Manifold.



CODING EXAMPLE

MD	1	-	R	T	0	0	-	1/4	-
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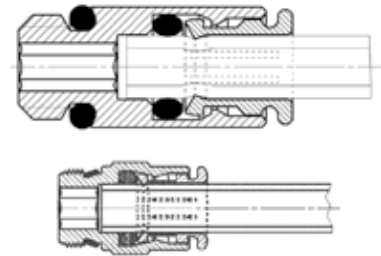
MD SERIES: MD	0 DESIGN TYPE: 0 = self-relieving 1 = non-relieving 2 = relieving high relief flow 3 = non-relieving high relief flow
1 SIZE: 1 = 42mm	0 PRESSURE GAUGE: 0 = without pressure gauge (1/8 Connection)
R R = pressure regulator M = manifold pressure regulator	1/4 CONNECTIONS (IN/OUT*): = no connection 1/8, 1/4, 3/8, 6, 8, 10
T OPERATING PRESSURE: 0 = 0.5 - 10 bar (standard) 2 = 0 - 2 bar 4 = 0 - 4 bar 7 = 0.5 - 7 bar T = calibrated** B = locked**	



Series 6000 Super-Rapid Fittings for Plastic Tubes

Tube external diameters: 3, 4, 5, 6, 8, 10, 12, 14, 16 mm
 Threaded connections: metric (M3, M5, M6, M7), BSP (1/8, 1/4, 3/8, 1/2, 3/4),
 BSPT (1/8, 1/4, 3/8, 1/2)

Super-rapid fittings Series 6000 are available in 35 different models.
 Super-rapid fittings Series 6000 Micro are available in 14 different models.
 Connection and disconnection of the tube can be repeated several times
 and can be performed without the use of tools.
 The extractable internal collet allows the sealing ring (O-ring) to be easily
 replaced if it is damaged or in case of wear of the rubber compound.



Sprint*



Note:
with O-Ring



Male Connector		BSP Male Connector		BSP Male Connector		BSP Female Connector	
S6510 4-1/8	S6510 10-1/4	6512 3-M3 ^o	6512 4-M5	6512 8-3/8	6463 4-M5		
S6510 4-1/4	S6510 10-3/8	6512 3-M5*	6512 4-M6	6512 10-1/4	6463 4-1/8		
S6510 5-1/8	S6510 10-1/2	6512 4-M7-M*	6512 4-1/8	6512 10-3/8	6463 5-1/8		
S6510 5-1/4	S6510 12-1/4	6512 4-1/8-M*Y	6512 4-1/4	6512 10-1/2	6463 6-1/8		
S6510 6-1/8	S6510 12-3/8	6512 6-M7-M*	6512 5-M5	6512 12-1/4	6463 6-1/4		
S6510 6-1/4	S6510 12-1/2	6512 6-1/8-M*Y	6512 6-M5	6512 12-3/8	6463 8-1/8		
S6510 6-3/8	S6510 14-3/8	6512 8-1/8-M*Y	6512 6-M6	6512 12-1/2	6463 8-1/4		
S6510 8-1/8	S6510 14-1/2	6512 10-1/4-M*	6512 6-1/8	6512 14-3/8	6463 10-1/4		
S6510 8-1/4	S6510 16-1/2		6512 6-1/4	6512 14-1/2			
S6510 8-3/8	S6510 16-3/4		6512 8-1/8	6512 16-1/2			
S6510 8-1/2			6512 8-1/4				

^o = with mod. 2661 assembled
 * = with O-ring assembled
 *Y = with O-ring assembled
 It can be connected also to valve
 islands Series Y



Note:
with O-Ring

Sprint*



Sprint*



Swivel Male Elbow		BSP Swivel Male Elbow		Fixed Male Elbow		Long Swivel Male Elbow	
S6520 4-1/8	S6520 8-1/2	6522 4-M5	6522 8-3/8	S6500 4-1/8	6525 6 -1/8		
S6520 4-1/4	S6520 10-1/4	6522 4-1/8	6522 10-1/4	S6500 4-1/4	6525 6 -1/4		
S6520 5-1/8	S6520 10-3/8	6522 4-1/4	6522 10-3/8	S6500 5-1/8	6525 8 -1/8		
S6520 5-1/4	S6520 10-1/2	6522 5-M5	6522 10-1/2	S6500 5-1/4	6525 8 -1/4		
S6520 6-1/8	S6520 12-1/4	6522 6-M5	6522 12-1/4	S6500 6-1/8			
S6520 6-1/4	S6520 12-3/8	6522 6-1/8	6522 12-3/8	S6500 6-1/4			
S6520 6-3/8	S6520 12-1/2	6522 6-1/4	6522 12-1/2	S6500 8-1/8			
S6520 8-1/8	S6520 14-3/8	6522 8-1/8	6522 14-3/8	S6500 8-1/4			
S6520 8-1/4	S6520 14-1/2	6522 8-1/4	6522 14-1/2	S6500 8-3/8			
S6520 8-3/8				S6500 10-1/4			
				S6500 10-3/8			
				S6500 12-1/4			
				S6500 12-3/8			



BSP Fix Male Elbow

6501 4 -M5

With mod. 2661 assembled

Full Range Available:

Super-Rapid Compact Fittings in Technopolymer
 Series 7000



Compact

Pipe Fittings Series 2000 / BSPT Adaptors



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Swivel Male Tee	
S6430 4-1/8	S6430 10-1/4
S6430 5-1/8	S6430 10-3/8
S6430 5-1/4	S6430 10-1/2
S6430 6-1/8	S6430 12-1/4
S6430 6-1/4	S6430 12-3/8
S6430 8-1/8	S6430 12-1/2
S6430 8-1/4	S6430 14-1/2
S6430 8-3/8	



BSP Swivel Male Tee	
6432 4 -M5	
6432 4 -1/8	
6432 5 -M5	
6432 6 -1/8	
6432 6 -1/4	
6432 8 -1/8	
6432 8 -1/4	
6432 8 -3/8	
6432 10-1/4	
6432 10-3/8	
6432 12-1/4	
6432 12-3/8	

Sprint*



Lateral Swivel Male Tee	
S6440 4-1/8	
S6440 5-1/8	
S6440 6-1/8	
S6440 6-1/4	
S6440 8-1/8	
S6440 8-1/4	
S6440 8-3/8	
S6440 10-1/4	
S6440 10-3/8	
S6440 12-3/8	
S6440 14-1/2	



Note:
with O-Ring

Lateral BSP Swivel Male Tee	
6442 4 -M5	
6442 4 -1/8	
6442 5 -M5	
6442 6 -1/8	
6442 6 -1/4	
6442 8 -1/8	
6442 8 -1/4	
6442 8 -3/8	
6442 10-1/4	
6442 10-3/8	
6442 12-1/4	
6442 12-3/8	

Sprint*



BSP Male Y	
6451 4 -M5*	
6451 6 -M5*	

Swivel Male Y	
S6450 4-1/8	
S6450 6-1/8	
S6450 8-1/8	
S6450 8-1/4	



Note:
with O-Ring

BSP Swivel Single Banjo	
6622 4 -M5	
6622 4 -1/8	
6622 6 -1/8	
6622 6 -1/4	
6622 8 -1/8	
6622 8 -1/4	
6622 10-1/4	



Note:
with O-Ring

BSP Swivel Double Banjo	
6632 4 -1/8	
6632 6 -1/8	
6632 6 -1/4	
6632 8 -1/8	
6632 8 -1/4	
6632 10-1/4	



Double Banjo	
6620 4 -M5°	
6620 4-1/8*	
6620 6-1/8*	
6620 6-1/4*	
6620 8-1/8*	
6620 8-1/4*	



Banjo Bolts	
1631 01...	
1631 02...	
1631 03...	

01... = Single Banjo Stem
02... = Double Banjo Stem
03... = Triple Banjo Stem

Assembly with Mod.

° = SCU, SVU, SCO...

* = 1631, 1635, SCU, SVU, SCO...

* = non swivel model with gasket

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POWER

Sprint*



Single Banjo	
6610 4 -M5*	6610 6 -1/8*
6610 4 -M6°	6610 6-1/4*
6610 4-1/8*	6610 8-1/8*
6610 5 -M5*	6610 8-1/4*
6610 5 -M6°	6610 8-3/8*
6610 5-1/8*	6610 10-1/4**
6610 6 -M5*	6610 10-3/8**
6610 6 -M6°	6610 12-1/2^

Assembly with Mod.

• = 1631

° = SCU, SVU, SCO...

* = 1631, 1635, SCU, SVU, SCO...

** = 1635, SCU, SVU, SCO...

^ = 1635



*Note:
with O-Ring

Male Adaptor	
6811 4 -M5*	6811 8 -1/8
6811 4 -1/8	6811 8 -1/4
6811 5 -1/8	6811 10-1/4
6811 5 -1/4	6811 10-3/8
6811 6 -1/8	6811 12-3/8
6811 6 -1/4	6811 14-1/2

Sprint*



45° Male Elbow	
S6110 6-1/8	
S6110 6-1/4	
S6110 8-1/8	
S6110 8-1/4	
S6110 8-3/8	
S6110 10-1/4	
S6110 10-3/8	
S6110 10-1/2	
S6110 12-1/4	
S6110 12-3/8	
S6110 12-1/2	

Full Range Available:

Tubing & Accessories



Series 5000 Quick Release Couplings



Ball Valves & Actuators

Series 29 Mini Ball Valves for Pneumatics and Industrial Fluids

Tube external diameters: 4, 6 and 8mm
Threads: BSP (1/8, 1/4, 3/8, 1/2)

Mini ball valves, MINI version - 2948



2/2 in-line with Push-in Collet
2948 4
2948 6
2948 8

Mini ball valves, MINI version - 2947



2/2 in-line with Push-in Collet, Male BSPT Threads
2947 1/8-4
2947 1/8-6
2947 1/8-8
2947 1/4-4
2947 1/4-6
2947 1/4-8

Mini ball valves, MINI version - 2946



2/2 in-line with Push-in Collet, Female BSPP Threads
2946 1/8-4
2946 1/8-6
2946 1/8-8
2946 1/4-4
2946 1/4-6
2946 1/4-8

Mini ball valves, MINI version - 2943



2/2 in-line, Female-Female BSPP Threads
2943 1/8
2943 1/4

Mini ball valves, MINI version - 2944



2/2 in-line, Male BSPT-Female BSPP Threads
2944 1/8-1/8
2944 1/4-1/4

Mini ball valves, MINI version - 2945



2/2 in-line, Male BSPT Threads
2945 1/8
2945 1/4

Mini ball valves, ECO version - 2953



2/2 in-line, Female-Female BSPP Threads
2953 1/4
2953 3/8
2953 1/2

Mini ball valves, ECO version - 2954



2/2 in-line, Male BSPP-Female BSPP Threads
2954 1/4-1/4
2954 3/8-3/8
2954 1/2-1/2

Mini ball valves, Butterfly version - 2963



2/2 in-line, Female-Female BSPP Threads
2963 1/4
2963 3/8
2963 1/2

Mini ball valves, Butterfly version - 2964



2/2 in-line, Male BSPP-Female BSPP Threads
2964 1/4-1/4
2964 3/8-3/8
2964 1/2-1/2

Mini ball valves, 3/2-way version - 2973



3/2 in-line, Male BSPP-Female BSPP Threads
2973 1/4
2973 3/8
2973 1/2

Mini ball valves, 3/2-way version - 2974

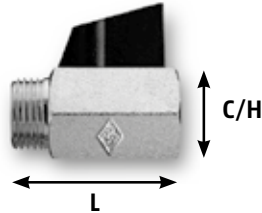
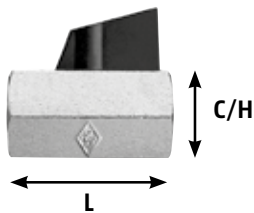


3/2 in-line, Male BSPP-Female BSPP Threads
2974 1/4-1/4
2974 3/8-3/8
2974 1/2-1/2

FLUID POWER

Mini Ball Valves

Suitable for most non-corrosive liquids and gases including air, water and fuels. Operating pressure 10 bar (147psi). Operating temperature -20°C to +90°C.

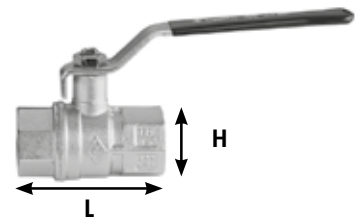


Female/Female	L	C/H
3830 1/8	41	21
3830 1/4	41	21
3830 3/8	41	21
3830 1/2	46	25

Male/Female	L	C/H
3831 1/8	41	21
3831 1/4	41	21
3831 3/8	41	21
3831 1/2	46	25

Brass Ball Valves - Gas/WRAS Approved

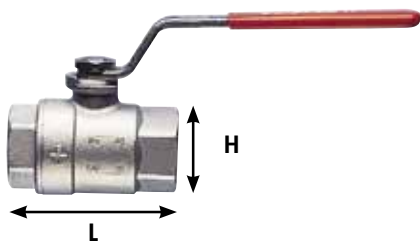
Suitable for most non-corrosive liquids and gases including air, water, solvents and fuels. Operating temperature -20°C to +130°C



Female/Female	L	H
6273 1/4	51.5	23
6273 3/8	51.5	23
6273 1/2	59	30
6273 3/4	67	36
6273 1	81.5	43.5
6273 1 1/4	94	53
6273 1 1/2	102.4	65
6273 2	123	80

Economy Stainless Steel Ball Valves Two-Piece Design

2-Piece stainless steel quarter turn ball valves with all wetted parts stainless steel AISI316. Other metal parts in stainless steel AISI304. Available with NPT threads. (Part No 700023)



Female/Female	Thread	L	H
70400002	1/4	53.5	30
70400003	3/8	53.5	30
70400004	1/2	60	32.5
70400005	3/4	70	40
70400006	1	79	49
70400007	1 1/4	91	62
70400008	1 1/2	103	75
70400010	2	124	95

Pneumatically Actuated 2-Way Brass Ball Valves

Full bore, direct mounted actuator, nickel plated brass ball valves (low torque design). Also available in 1/4, 3/8, 2 1/2, 3, 4.



3-Way Option Also Available (L/T Port)

Double Acting	Thread	Bar	Single Acting	Thread	Bar
8P007904	1/2	40	8P008104	1/2	40
8P007905	3/4	40	8P008105	3/4	40
8P007906	1	40	8P008106	1	40
8P007907	1 1/4	40	8P008107	1 1/4	40
8P007908	1 1/2	40	8P008108	1 1/2	40
8P007910	2	40	8P008110	2	40

Full Range of Accessories Available:

Limit Switch Box



Namur 3/2 and 5/2 Solenoid Valves

