



HYDRAQUIP RANGE OF

braided flexibles



It takes years to build a reputation and minutes to ruin it

Service and quality have been at the forefront of HYDRAQUIP's growth since the company started up in 1989, an ethos that has helped them become recognised as a leading UK manufacturer of braided hose assemblies. This has been achieved by having a strong and dedicated team that understand and work to meet this goal. As part of this commitment the company sought to gain a formal recognition and achieved ISO accreditation in 1996 and have held it consistently since then and are currently accredited to ISO 9001-2000.

some customer comments

In my purchasing role I deal with hundreds of suppliers, but I can count on one hand those I trust to deliver what we need. I'm pleased to say HYDRAQUIP is one of these...

I can buy my hoses from a number of suppliers, but HYDRAQUIP take some beating. I'm impressed with their efficiency, their prices and their product quality.

I'm truly impressed with their friendly, professional manner and the time and trouble they have taken to understand our business...



an invitation from Duncan MacBain - managing director

Over the years we have served thousands of customers, sold millions of hoses and solved numerous problems. One way we have achieved this is by extending a warm welcome to our customers and their customers by inviting them to visit our production facility at their convenience. Many people have already done so and found it interesting and beneficial. If you would like to visit us, feel free to contact any of our management team here at HYDRAQUIP.

Duncan MacBain

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applications and industries supplied
 air conditioning, automotive, boiler
 manufacturers, building services,
 catalogue sales, catering, ceiling panels,
 food industry, fuel, gas, heating, HEVAC,
 marine, modular, OEM, plumbing, sanitary
 manufacturers, shower pumps, vending...
your application



Hoses are available in standard lengths and fittings combinations but are also available in bespoke variations to meet exact requirements for a specific application.





building service hoses **rubber**

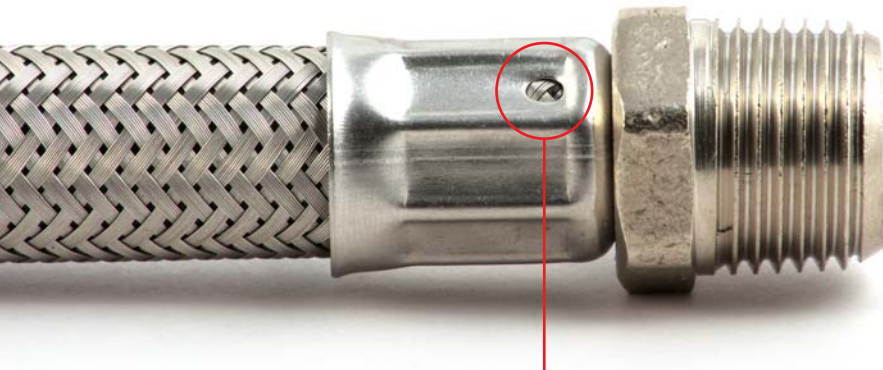
HQ building service hoses meet or exceed the BSRIA Flexible Hose Standard BG4-2004 and are suitable for applications such as – anti vibration, building services, ceilings, fan coils, heating, OEM and plumbing applications. A non toxic epdm rubber tube is overbraided with stainless steel wire with brass fittings secured by stainless crimped ferrules.

Temperature range -20°C to + 110°C

BX HOSE SELECTION

fitting sizes

Part No	I/D mm	I/D Inch	O/D (mm)	Working Pressure (Bar)	Min. Bend Radius (mm)	Coil Size (mm)	Standard BSP	Optional BSP FF	Standard Compression or standpipe	Optional Compression or standpipe	Push Fit
BX08	8	5/16	12	20	37	100	1/4	3/8, 1/2	8mm	10mm	-
BX10	10	3/8	14	20	60	100	3/8	1/4, 3/4	10mm	15mm	10
BX13	13	1/2	17	20	70	100	1/2	3/8, 3/4	15mm	22mm	12, 15
BX16	16	5/8	22	16	80	50	1/2	3/4	15mm	-	-
BX19	19	3/4	27	16	90	50	3/4	1	22mm	-	22
BX25	25	1	34	10	110	50	1	-	28mm	-	-
BX32	32	1 1/4	44	10	170	25	1 1/4	-	-	-	-
BX40	40	1 1/2	54	6	200	20	1 1/2	-	-	-	-
BX50	50	2	64	6	250	20	2	-	-	-	-



Inspection hole to ensure correct fitting



BX13 | FP | MC | 30 | I

Special Instructions

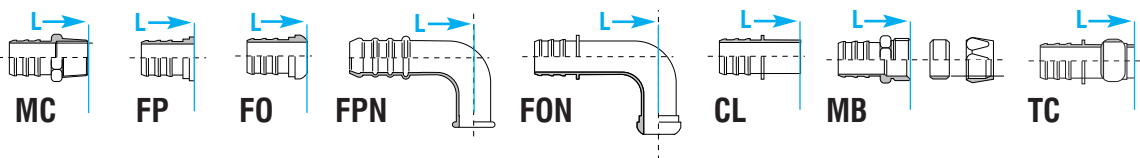
I - insulated class O armaflex
S - Special end fittings or size
A - Adaptor supplied

Length in cm

see fittings below for measurement positions

End fittings

FP - flat face female
FPN - 90° elbow flat seat
MC - male taper BSPT
CL - brass standpipe
NC - JG brass pushfit
FO - cone seat female
FON - 90° elbow cone seat
MB - compression fitting
TC - tectite brass pushfit
JGV - JG brass valved pushfit



HQ Building Service Hose meet or exceed BSRIA BG4-2004 Flexible Hose Standard



BSPT MALE x BSPT MALE

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2
300mm	BX13MCMC30	BX19MCMC30	BX25MCMC30	BX32MCMC30	BX40MCMC30	BX50MCMC30
450mm	BX13MCMC45	BX19MCMC45	BX25MCMC45	BX32MCMC45	BX40MCMC45	BX50MCMC45
600mm	BX13MCMC60	BX19MCMC60	BX25MCMC60	BX32MCMC60	BX40MCMC60	BX50MCMC60



BSP SWIVEL FEMALE x BSPT MALE (supplied with epdm or fibre washer)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2
300mm	BX13FPMC30	BX19FPMC30	BX25FPMC30	BX32FPMC30	BX40FPMC30	BX50FPMC30
450mm	BX13FPMC45	BX19FPMC45	BX25FPMC45	BX32FPMC45	BX40FPMC45	BX50FPMC45
600mm	BX13FPMC60	BX19FPMC60	BX25FPMC60	BX32FPMC60	BX40FPMC60	BX50FPMC60



BSP SWIVEL FEMALE x BSP SWIVEL FEMALE (supplied with epdm or fibre washers)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2
300mm	BX13FFFP30	BX19FFFP30	BX25FFFP30	BX32FFFP30	BX40FFFP30	BX50FFFP30
450mm	BX13FFFP45	BX19FFFP45	BX25FFFP45	BX32FFFP45	BX40FFFP45	BX50FFFP45
600mm	BX13FFFP60	BX19FFFP60	BX25FFFP60	BX32FFFP60	BX40FFFP60	BX50FFFP60



BSPT MALE x BRASS STAND PIPE

Length	1/2"	3/4"
300mm	BX13MCCL30	BX19MCCL30
450mm	BX13MCCL45	BX19MCCL45
600mm	BX13MCCL60	BX19MCCL60



COMPRESSION x BRASS STAND PIPE

Length	1/2"	3/4"
300mm	BX13MBCL30	BX19MBCL30
450mm	BX13MBCL45	BX19MBCL45
600mm	BX13MBCL60	BX19MBCL60





building service hoses **rubber**

BSPT MALE x COMPRESSION*

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2
300mm	BX13MCMB30	BX19MCMB30	BX25MCMB30	BX32MCMB30	BX40MCMB30	BX50MCMB30
450mm	BX13MCMB45	BX19MCMB45	BX25MCMB45	BX32MCMB45	BX40MCMB45	BX50MCMB45
600mm	BX13MCMB60	BX19MCMB60	BX25MCMB60	BX32MCMB60	BX40MCMB60	BX50MCMB60

* NB - Compression fittings 35mm and above are supplied as female ended with loose stud adaptors



BSP SWIVEL FEMALE x COMPRESSION* (supplied with epdm or fibre washer)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2
300mm	BX13FPMB30	BX19FPMB30	BX25FPMB30	BX32FPMB30	BX40FPMB30	BX50FPMB30
450mm	BX13FPMB45	BX19FPMB45	BX25FPMB45	BX32FPMB45	BX40FPMB45	BX50FPMB45
600mm	BX13FPMB60	BX19FPMB60	BX25FPMB60	BX32FPMB60	BX40FPMB60	BX50FPMB60

* NB - Compression fittings 35mm and above are supplied as female ended with loose stud adaptors



COMPRESSION x COMPRESSION*

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2
300mm	BX13MBMB30	BX19MBMB30	BX25MBMB30	BX32MBMB30	BX40MBMB30	BX50MBMB30
450mm	BX13MBMB45	BX19MBMB45	BX25MBMB45	BX32MBMB45	BX40MBMB45	BX50MBMB45
600mm	BX13MBMB60	BX19MBMB60	BX25MBMB60	BX32MBMB60	BX40MBMB60	BX50MBMB60

* NB - Compression fittings 35mm and above are supplied as female ended with loose stud adaptors



BSPT MALE x TECTITE

Length	1/2"	3/4"
300mm	BX13MCTC30	BX19MCTC30
450mm	BX13MCTC45	BX19MCTC45
600mm	BX13MCTC60	BX19MCTC60



TECTITE x TECTITE

Length	1/2"	3/4"
300mm	BX13TCTC30	BX19TCTC30
450mm	BX13TCTC45	BX19TCTC45
600mm	BX13TCTC60	BX19TCTC60





Large bore 1/2" assemblies

for applications where a higher flow rate is preferred on 1/2" or 15mm connections a larger bore hose is available with a through the fitting dimension of circa 2.5mm more than a standard 1/2" assembly.



PRE INSULATED HOSES

Any assembly can be insulated with class 0 insulation. Capped up to 1" taped above. All sizes vapour sealed.



HQ Building Service Hose meet or exceed BSRIA BG4-2004 Flexible Hose Standard



6 - 7
building
services
hoses
rubber



ceiling hoses

HYDRAQUIP have been supplying hoses into the Ceiling market since the mid 1990's and have an in depth understanding of the requirements and expectations required by this industry. Installations have included many corporate headquarters and high profile buildings in major cities across the world.

- 100% factory tested to 30 bar
- Reduced installation times
- 10 year guarantee
- BSRIA approved and tested

Hose Assemblies

Temperature range	-20°C to +85°C
Working Pressure	up to 20 bar for bsp& compression, 10 bar push fit
Safety Factor	3:1
Tube	EPDM rubber
Braid	304 stainless steel
Ferrules	303 stainless steel
Fittings	Brass (plain or nickel plated) - taper male, female, compression or push fit



Double shut off couplings

Self sealing quick connect and disconnect couplings are available for 10mm and 13mm bore hoses. The inclusion of these within a system allow for instant isolation on disconnection and make light work when flushing a circuit. Larger sizes also available on request.



Installation Benefits

- Installation time reduced by up to 40%
- No risk of fire from blow torch
- No risk of solder splatter
- Pipe flexibility allows for cabling through restricted areas
- Excellent connectivity in confined spaces and tool free
- Demountable without harm to pipework
- Less wastage of cut pipe
- Permanent leak-proof joint first time, without the need for adjustment
- Lightweight and easy to handle on site

Fittings Options

Hose ID	Male	Female	Compression	Stand Pipe	Push Fit
10mm	3/8, 1/2, 3/4	3/8, 1/2, 3/4	10mm, 15mm	10mm, 12mm, 15mm	10mm
13mm	3/8, 1/2, 3/4	3/8, 1/2, 3/4	12mm, 15mm, 22mm	15mm, 22mm	12mm, 15mm

BX13 | FP | MC | 30 | I

Special Instructions

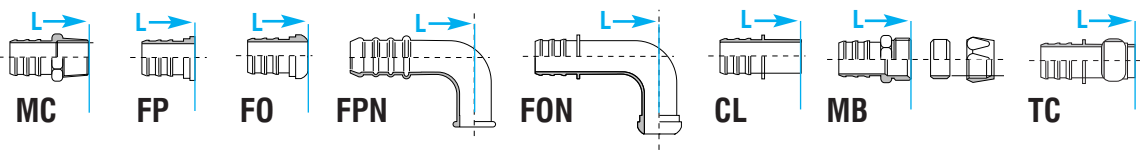
I - insulated class O armflex
S - Special end fittings or size
A - Adaptor supplied

Length in cm

see fittings below for measurement positions

End fittings

FP - flat face female	FO - cone seat female
FPN - 90° elbow flat seat	FON - 90° elbow cone seat
MC - male taper BSPT	MB - compression fitting
CL - brass standpipe	TC - tectite brass pushfit
NC - JG brass pushfit	JGV - JG brass valved pushfit



STANDARD CEILING HOSE

Ceiling hoses are available in standard and bespoke lengths and are typically available within a matter of days regardless of the length.

MALE x MALE



MALE x COMPRESSION



COMPRESSION x COMPRESSION



MALE x PUSH FIT



PUSH FIT x PUSH FIT



MALE x TECTITE



TECTITE x TECTITE





building service hoses **stainless steel**

The HQ rubber building service hoses range of stainless hoses meet the **BSRIA BG4-2004 Flexible hose standard**. Standard assemblies are manufactured with a single wire braid over a convoluted stainless steel core with either mild or stainless steel fittings secured by stainless weld collars. Variations include unbraided hose for low pressure and double braided hose for higher pressures.

- Specifically designed to meet the requirements of ISO 10380 flexibility class 1
- Suitable for elevated temperature up to 600°C or in cryogenic applications down to -200°C
- Manufactured to BS 6501 Part 1, 1991, Type B flexibility
- Working pressures up to 50 bar



HQ Building Service Hose meet or exceed BSRIA BG4-2004 Flexible Hose Standard



BSPT MALE x BSPT MALE (MILD STEEL)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
300mm	SS13MCMC30	SS19MCMC30	SS25MCMC30	SS32MCMC30	SS40MCMC30	SS50MCMC30
450mm	SS13MCMC45	SS19MCMC45	SS25MCMC45	SS32MCMC45	SS40MCMC45	SS50MCMC45
600mm	SS13MCMC60	SS19MCMC60	SS25MCMC60	SS32MCMC60	SS40MCMC60	SS50MCMC60



BSP SWIVEL FEMALE x BSPT MALE (MILD STEEL)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
300mm	SS13FOMC30	SS19FOMC30	SS25FOMC30	SS32FOMC30	SS40FOMC30	SS50FOMC30
450mm	SS13FOMC45	SS19FOMC45	SS25FOMC45	SS32FOMC45	SS40FOMC45	SS50FOMC45
600mm	SS13FOMC60	SS19FOMC60	SS25FOMC60	SS32FOMC60	SS40FOMC60	SS50FOMC60



BSP SWIVEL FEMALE x BSP SWIVEL FEMALE (MILD STEEL)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
300mm	SS13FOFO30	SS19FOFO30	SS25FOFO30	SS32FOFO30	SS40FOFO30	SS50FOFO30
450mm	SS13FOFO45	SS19FOFO45	SS25FOFO45	SS32FOFO45	SS40FOFO45	SS50FOFO45
600mm	SS13FOFO60	SS19FOFO60	SS25FOFO60	SS32FOFO60	SS40FOFO60	SS50FOFO60



PN16 FLANGE FIXED x PN16 FLANGE-SWIVEL (MILD STEEL)

Length	1"	1 1/4"	1 1/2"	2"	3"	4"
300mm	SS25PNFPNS30	SS32PNFPNS30	SS40PNFPNS30	SS50PNFPNS30	SS75PNFPNS30	SS100PNFPNS30
450mm	SS25PNFPNS45	SS32PNFPNS45	SS40PNFPNS45	SS50PNFPNS45	SS75PNFPNS45	SS100PNFPNS45
600mm	SS25PNFPNS60	SS32PNFPNS60	SS40PNFPNS60	SS50PNFPNS60	SS75PNFPNS60	SS100PNFPNS60





BSPT MALE x BSPT MALE (STAINLESS STEEL)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
300mm	SS13SMCSMC30	SS19SMCSMC30	SS25SMCSMC30	SS32SMCSMC30	SS40SMCSMC30	SS50SMCSMC30
450mm	SS13SMCSMC45	SS19SMCSMC45	SS25SMCSMC45	SS32SMCSMC45	SS40SMCSMC45	SS50SMCSMC45
600mm	SS13SMCSMC60	SS19SMCSMC60	SS25SMCSMC60	SS32SMCSMC60	SS40SMCSMC60	SS50SMCSMC60



BSP SWIVEL FEMALE x BSPT MALE (STAINLESS STEEL)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
300mm	SS13SFOSMC30	SS19SFOSMC30	SS25SFOSMC30	SS32SFOSMC30	SS40SFOSMC30	SS50SFOSMC30
450mm	SS13SFOSMC45	SS19SFOSMC45	SS25SFOSMC45	SS32SFOSMC45	SS40SFOSMC45	SS50SFOSMC45
600mm	SS13SFOSMC60	SS19SFOSMC60	SS25SFOSMC60	SS32SFOSMC60	SS40SFOSMC60	SS50SFOSMC60



BSP SWIVEL FEMALE x BSP SWIVEL FEMALE (STAINLESS STEEL)

Length	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
300mm	SS13SFOSFO30	SS19SFOSFO30	SS25SFOSFO30	SS32SFOSFO30	SS40SFOSFO30	SS50SFOSFO30
450mm	SS13SFOSFO45	SS19SFOSFO45	SS25SFOSFO45	SS32SFOSFO45	SS40SFOSFO45	SS50SFOSFO45
600mm	SS13SFOSFO60	SS19SFOSFO60	SS25SFOSFO60	SS32SFOSFO60	SS40SFOSFO60	SS50SFOSFO60



PN16 FLANGE FIXED x PN16 FLANGE-SWIVEL (STAINLESS STEEL)

Length	1"	1 1/4"	1 1/2"	2"	3"	4"
300mm	SS25SPNFSPNS30	SS32SPNFSPNS30	SS40SPNFSPNS30	SS50SPNFSPNS30	SS75SPNFSPNS30	SS100SPNFSPNS30
450mm	SS25SPNFSPNS45	SS32SPNFSPNS45	SS40SPNFSPNS45	SS50SPNFSPNS45	SS75SPNFSPNS45	SS100SPNFSPNS45
600mm	SS25SPNFSPNS60	SS32SPNFSPNS60	SS40SPNFSPNS60	SS50SPNFSPNS60	SS75SPNFSPNS60	SS100SPNFSPNS60





mapress hoses



BSRIA

HQ Building Service Hose meet or
exceed BSRIA BG4-2004 Flexible Hose Standard



In demanding environments, the Mapress stainless steel and copper press connection system gives you both freedom and confidence along with the versatility of a flexible hose for final connections and to allow for expansion in systems. In addition to the combinations shown here we are able to offer hose assemblies with Mapress fittings to suit up to 108mm pipe.

STAINLESS STEEL HOSE

Single overbraided convoluted stainless steel tube fitted with Stainless Steel Mapress and threaded fittings, secured by stainless steel weld collars.

APPLICATIONS: Hot and Cold Water, Industrial applications, Fire Sprinkler systems, Gas supply on request.

TEMPERATURE RANGE: Water -30°C to +120°C, Gas -20°C to +70°C.

Part No	ID mm	ID inch	OD mm	WP bar	MIN BEND mm	KG/Mtr
DN12	12	1/2	21	16	45	0.36
DN20	20	3/4	27	16	70	0.52
DN25	25	1	36	16	85	0.75



EPDM RUBBER HOSE

EPDM rubber tube stainless steel overbraid fitted with Copper Mapress and Brass/NP Brass threaded fittings.

APPLICATIONS: Hot and Cold Water, Industrial applications.

TEMPERATURE RANGE: Water -30°C to +120°C.

Part No	ID mm	ID inch	OD mm	WP bar	MIN BEND mm	KG/Mtr
DN12	12	1/2	21	16	70	0.30
DN20	20	3/4	27	16	90	0.48



MAPRESS hose assemblies have been installed in what is believed to be the world's most expensive flat – one part of 21 Manresa Road in Chelsea which sold in 2008 for a reported £27 million. The residence is 30 times larger than the average London flat, and uniquely, it's all laid out on one floor with an unprecedented 8 Star specification!

The air conditioning system, fitted out with our stainless steel hose, MAPRESS fittings and self seal quick release couplings, delivers purified air rendered 'cleaner than in Tibet.'



STAINLESS STEEL ASSEMBLIES WITH STAINLESS FITTINGS

Part Number	bore mm	length mm	Fitting 1	Fitting 2
HQ-SS12MPMP30	12	300	15mm Mapress	15mm Mapress
HQ-SS12MPMP50	12	500	15mm Mapress	15mm Mapress
HQ-SS19MPMP30	19	300	22mm Mapress	22mm Mapress
HQ-SS19MPMP50	19	500	22mm Mapress	22mm Mapress
HQ-SS25MPMP30	25	300	28mm Mapress	28mm Mapress



Part Number	bore mm	length mm	Fitting 1	Fitting 2
HQ-SS12MPMC30	12	300	15mm Mapress	1/2" bspt male
HQ-SS12MPMC50	12	500	15mm Mapress	1/2" bspt male
HQ-SS19MPMC30	19	300	22mm Mapress	3/4" bspt male
HQ-SS19MPMC50	19	500	22mm Mapress	3/4" bspt male
HQ-SS25MPMC30	25	300	28mm Mapress	1" bspt male

ALSO AVAILABLE Mapress x female, Mapress elbows.
Larger bore sizes available on request.



STAINLESS OVERBRAIDED EPDM RUBBER ASSEMBLIES WITH BRASS/COPPER FITTINGS

Part Number	bore mm	length mm	Fitting 1	Fitting 2
HQ-SW12MPMP30	12	300	15mm Mapress	15mm Mapress
HQ-SW12MPMP50	12	500	15mm Mapress	15mm Mapress
HQ-SW19MPMP30	19	300	22mm Mapress	22mm Mapress
HQ-SW19MPMP50	19	500	22mm Mapress	22mm Mapress



Part Number	bore mm	length mm	Fitting 1	Fitting 2
HQ-SW12MPMC30	12	300	15mm Mapress	1/2" bspt male
HQ-SW12MPMC50	12	500	15mm Mapress	1/2" bspt male
HQ-SW19MPMC30	19	300	22mm Mapress	3/4" bspt male
HQ-SW19MPMC50	19	500	22mm Mapress	3/4" bspt male

ALSO AVAILABLE Mapress elbows.





stainless steel self assembly

The HQ PLUMBflex range of self assembly annular corrugated stainless steel hose, is suitable for general plumbing applications and solar panel installations, when used in accordance with the working parameters as shown below. Simplicity and speed make this an ideal solution for both manufacturing and on site assembly with a noticeable reduction in labour making it a favourite across many continents.

TECHNICAL	DN12	DN16	DN20
Nut Size	1/2" bsp	3/4" bsp	1" bsp
Hose Bore Size	12.6mm	16.5mm	20.5mm
Hose Outside Diameter	16.7mm	21.4mm	26.7mm
Working Pressure (20°C)	14 bar	8 bar	11 bar
Bend Radius	20mm	25mm	30mm
Production Length	10 - 100mtr	10 - 100mtr	10 - 100mtr

Materials of construction - Tube - 321 stainless steel, Nut - Plain Brass



STAINLESS PIPE CUTTER

Suitable for cutting pipe between DN15 and DN32

Part Number KZ295Q





Hyperline FX is unlike any other PTFE hose product currently available. The PTFE liner tube is smooth bore on the inside but convoluted on the outside, to combine the ease of assembly and high flow rates of a smooth bore hose with the flexibility and kink resistance of a convoluted hose in one product. Hyperline FX is designed to be used in place of Smoothbore Hose when improved flexibility is required, and to replace Convoluted Hose when improved flow characteristics or easier assembly is required.

Hyperline FX, SS - Natural PTFE Tube external 304 stainless steel braid



PROPERTIES

Temperature Rating: The temperature rating is from -70° (-94°F) to +260°C (500°F), but the maximum working pressure (MWP) must be reduced by 1% for each 1°C above 130°C (1% for each 1.8°F above 266°F). The maximum working temperature for the Polyaramid Fibre braided hose is +180°C (+365°F)

Pressure Resistance: The maximum working pressures are as listed, up to 130°C (266°F). The design of conventional auto convoluted PTFE hose liner permits internal "pressing out" of the convolutions inside the braid over time and under temperature and pressure, leading to premature failures. The narrow and highly compressed web sections of Hyperline FX are much more resistant to pressing out, hence a much longer service life under pressure can be achieved. Tube Only grades can only be used at pressures up to 4 Bar (60 psi) up to 130°C (266°F) and are not fully vacuum resistant.

Full Vacuum Resistance: Stainless Steel braided Hyperline FX hose is vacuum resistant up to 130°C (266°F).

Reduced Diffusion Rates: The way the Hyperline FX tube liner is made, by web compression without fracture, surprisingly generates a much improved resistance to gas permeation, compared to any other type of smooth bore or convoluted PTFE hose. Much lower diffusion rates can therefore be achieved.

Excellent Flow Rates: Due to the non turbulent flow through a smooth bore hose, Hyperline FX flow rates for a given pressure drop and actual bore size are 2 to 3 times higher than for a convoluted PTFE hose. (This applies to the hose itself. If end fittings are applied, however, which introduce a smaller bore at the ends, this multiple is reduced).

The 'whistling' noises created by the turbulent flow of gases or steam through convoluted hose are eliminated in Hyperline FX.

Excellent Internal Cleanability: Internal cleanliness and self-drainability are optimised by the smooth bore. This eliminates 'pockets' of fluids trapped in internal convolutions. 'Bridging' with solid particles is also eliminated.

APPLICATIONS

Automotive and Motor Sport - replacing conventional PTFE hoses in ESP systems, fuel systems, braking systems and oil lines. Refrigeration - refrigerant feed lines to freezer plates, where the high resistance to permeation, together with the flexibility and chemical resistance are primary advantages.

Steam and Gas Lines - where the smooth bore ensures non turbulent gas flow, leading to noise free operation at higher flow rates and longer service life. Industrial applications in general where the ease of assembly to end fittings together with the higher flow rates, chemical and temperature resistance and resistance to permeation make Hyperline FX the optimum choice. Not suitable for use in applications requiring PTFE lined and Flared End Fittings - for such applications only Bioflex is suitable.

conventional convoluted PTFE liner

convoluted bore

Hydraline FX liner

rib section

web section

smooth bore



Specifications (Hydraline FX, SS or FX, AS SS Only)

Nominal Hose Size in	Part No. *Natural Grade only	Actual Hose Bore size in mm	TO (Tube Only) Outside Dia. in mm	SS Braid Outside Dia in mm	Min Bend Radius in mm	Max Working Pressure psi BAR	Burst Pressure psi BAR
1/4	92-100-04-01-02	0.270 6.8	0.383 8.6	0.378 9.6	3/4 19	1300 88	5200 350
3/8	92-100-06-01-02	0.394 10.0	0.490 12.5	0.534 13.5	1 25	1200 80	4800 320
1/2	92-100-08-01-02	0.536 13.6	0.646 16.4	0.690 17.5	1 1/4 32	900 60	3600 240
5/8	92-100-10-01-02	0.658 16.7	0.788 20.0	0.843 21.4	2 50	750 50	3000 200
3/4	92-100-12-01-02	0.780 19.8	0.938 23.8	0.989 25.1	2 1/2 60	625 42	2500 170
1	92-100-16-01-02	1.039 26.4	1.190 30.0	1.250 31.3	2 1/2 73	580 40	2320 160

* For AS Grades, use 92-110- in place of 92-100-

14 - 15
self assembly
and
PTFE hose



suction and delivery hoses

Hot Dip galvanised steel pipes are produced with welded male and female couplings – either Bauer type or Anfor type

LLDPE Pipe is manufactured from heavy duty polyethylene, to convey water and water based slurry.

Supplied with lever lock couplings (male & female).

10 Bar water suction assemblies are manufactured with black SBR tube and ozone resistant cover.

Supplied with lever lock couplings (male & female).

Green PVC suction hose assemblies are manufactured from green pvc with a white integral pvc helix.

Supplied with lever lock couplings (male & female).

Yellow PVC layflat assemblies are manufactured from pvc.

With a working pressure of 6bar and are supplied with male or female Bauer couplings.

Blue PVC layflat assemblies are manufactured from pvc.

With working pressures of 2" -4bar, 3" to 4" -3bar, 6" -2.5bar, 8" -3bar. Supplied with Bauer male or female.

HOT DIP GALV



Size	Length	Part No
2"	1 mtr	LLPIPE2-1X1.5
2"	3 mtr	LLPIPE2-3X1.5
2"	6 mtr	LLPIPE2-6X1.5
3 1/2"	1 mtr	LLPIPE312-1X1.5
3 1/2"	3 mtr	LLPIPE312-3X1.5
3 1/2"	6 mtr	LLPIPE312-6X1.5
4"	1 mtr	LLPIPE4-1X1.5
4"	3 mtr	LLPIPE4-3X1.5
4"	6 mtr	LLPIPE4-6X1.5
6"	1 mtr	LLPIPE6-1X1.5
6"	3 mtr	LLPIPE6-3X1.5
6"	6 mtr	LLPIPE6-6X1.5
8"	1 mtr	LLPIPE8-1X1.5
8"	3 mtr	LLPIPE8-3X1.5
8"	6 mtr	LLPIPE8-6X1.5
10"	3 mtr	LLPIPE10-3X1.5
12"	3 mtr	LLPIPE12-3X1.5

LLDPE PIPE



Size	Length	Part No
2"	6 mtr	POLYLLC2
3 1/2"	6 mtr	POLYLLC312
4"	6 mtr	POLYLLC4
6"	3 mtr	POLYLLC6-3
6"	6 mtr	POLYLLC6-6

10 BAR SUCTION



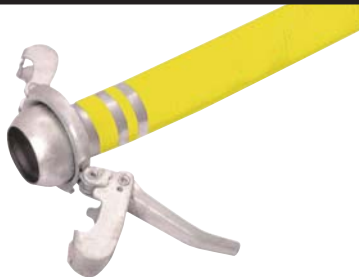
Size	Length	Part No
2"	6 mtr	WALLC2
3 1/2"	6 mtr	WALLC312
4"	6 mtr	WALLC4
6"	3 mtr	WALLC6
8"	3 mtr	WALLC8
10"	3 mtr	WALLC10
12"	3 mtr	WALLC12

GREEN PVC



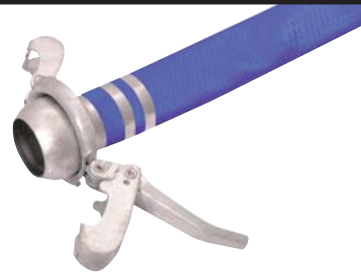
Size	Length	Part No
2"	6 mtr	GMDSSL2
3 1/2"	6 mtr	GMDSSL312
4"	6 mtr	GMDSSL4
6"	3 mtr	GMDSSL6
8"	6 mtr	GMDSSL8

YELLOW LAYFLAT



Size	Length	Part No
2"	25 mtr	YLH2-25
2"	50 mtr	YLH2-50
2"	100 mtr	YLH2-100
3 1/2"	25 mtr	YLH3-25
3 1/2"	50 mtr	YLH3-50
3 1/2"	100 mtr	YLH3-100
4"	25 mtr	YLH4-25
4"	50 mtr	YLH4-50
4"	100 mtr	YLH4-100
6"	25 mtr	YLH6-25
6"	50 mtr	YLH6-50
6"	100 mtr	YLH6-100
8"	25 mtr	YLH8-25
8"	50 mtr	YLH8-50

BLUE LAYFLAT



Size	Length	Part No
2"	25 mtr	BLH2-25
2"	50 mtr	BLH2-50
2"	100 mtr	BLH2-100
3 1/2"	25 mtr	BLH3-25
3 1/2"	50 mtr	BLH3-50
3 1/2"	100 mtr	BLH3-100
4"	25 mtr	BLH4-25
4"	50 mtr	BLH4-50
4"	100 mtr	BLH4-100
6"	25 mtr	BLH6-35
6"	50 mtr	BLH6-50
6"	100 mtr	BLH6-100
8"	25 mtr	BLH8-25

Hydrachem PG

General purpose chemical hose suitable for suction discharge and vacuum applications for a wide variety of acids, alkalis, solvents and petroleum products from -20°C to +80°C. Commonly used for road and rail tankers and in plant, this group of hoses is the standard for many leading chemical manufacturers and hauliers.

Hydrachem PTSG 160

For elevated temperatures combine the excellent chemical properties of PTFE/ECTFE with considerable resistance to heat. Common applications are for molten sulphur and bitumen emulsion. However, they can also be used for many applications where heat renders standard Hydrachem hoses unsuitable. Temperature range -20°C to +160°C.

Hydraoil 3 is commonly used for road tanker and in-plant transfer of petrol, fuel oils and lubricating oils in the temperature range -20°C to +80°C. It is a well proven hose which is used by tanker fleets worldwide.

HYDRACHEM PG COMPOSITE HOSE to BS5842:1980

CONSTRUCTION

1	Inner Wire Helix	Polypropylene Coated Galvanised Mild Steel High Tensile Strength Wire
2	Lining	Polypropylene
3	Sealing Film	Polypropylene
4	Reinforcements	Polypropylene
5	Cover	PVC Coated Polyester Cloth
6	Outer Wire Helix	Galvanised Mild Steel High Tensile Strength Wire

TEMPERATURE	-20°C to +80°C
SAFETY FACTOR	4 : 1



Camlock - End Fitting

HYDRACHEM PTSG 160 COMPOSITE HOSE to BS5842:1980

CONSTRUCTION

1	Inner Wire Helix	316 Stainless Steel High Tensile Strength Wire
2	Lining	Virgin PTFE Film
3	Sealing Film	Polypropylene Film
4	Reinforcements	Polyester Cloth
5	Cover	PVC Coated Polyester Cloth
6	Outer Wire Helix	Galvanised Mild Steel High Tensile Strength Wire

TEMPERATURE	-20°C to +160°C
SAFETY FACTOR	4 : 1

Bore Diameter		Max Working Pressure		Bend Radius		Weight	
inch	mm	BARS	PSI	inch	mm	KG/M	LB/FT
1	25	14	200	4	100	0.8	0.5
1½	38	14	200	5½	140	1.2	0.8
2	50	14	200	7	180	1.9	1.3
2½	65	14	200	8	205	2.5	1.7
3	75	14	200	11	280	3.0	2.0
4	100	14	200	15½	395	4.8	3.2



Flanges - End Fitting

HYDRAOIL 3 COMPOSITE HOSE to BS3492:1987 BX

CONSTRUCTION

1	Inner Wire Helix	Galvanised Mild Steel High Tensile Strength Wire
2	Lining	Polypropylene
3	Sealing Film	Polypropylene
4	Reinforcements	Polypropylene
5	Cover	PVC Coated Polyester Cloth
6	Outer Wire Helix	Galvanised Mild Steel High Tensile Strength Wire

TEMPERATURE	-20° to +80°C
SAFETY FACTOR	4 : 1

Bore Diameter		Max Working Pressure		Bend Radius		Weight	
inch	mm	BARS	PSI	inch	mm	KG/M	LB/FT
1	25	10.5	150	4	100	0.8	0.5
1½	38	10.5	150	5	125	1.1	0.7
2	50	10.5	150	6	150	1.6	1.1
2½	65	10.5	150	7	180	2.1	1.4
3	75	10.5	150	8	205	2.5	1.7
4	100	10.5	150	10½	265	3.6	2.4



Threaded - End Fitting

END FITTINGS

All fittings are available in a choice of materials

N.B. It is important to advise HYDRAQUIP of the product being conveyed when ordering Composite Hoses. All hoses supplied have electrical continuity and are tested and certified accordingly.



16 - 17
suction &
delivery and
composite
hose



washdown hose, guns and lances

PRESSURE WASHER HOSE AND LANCES

Part No.
1PWLA-38B

Blue non marking pressure washer assembly, 3/8 bore x 10 mtr c/w anti kink cuffs, 3/8 female fittings

Part No.
PRESSURE LANCE
1002-038
2020-2974

Pressure Lance – 150°C, 250 bar, 25 lpm, 3/8" bsp, 900mm lance
Single lance – 150°C, 350 bar, 40 lpm, 3/8" bsp, 900mm lance
Double Lance – 150°C, 250 bar, 3/8" bsp

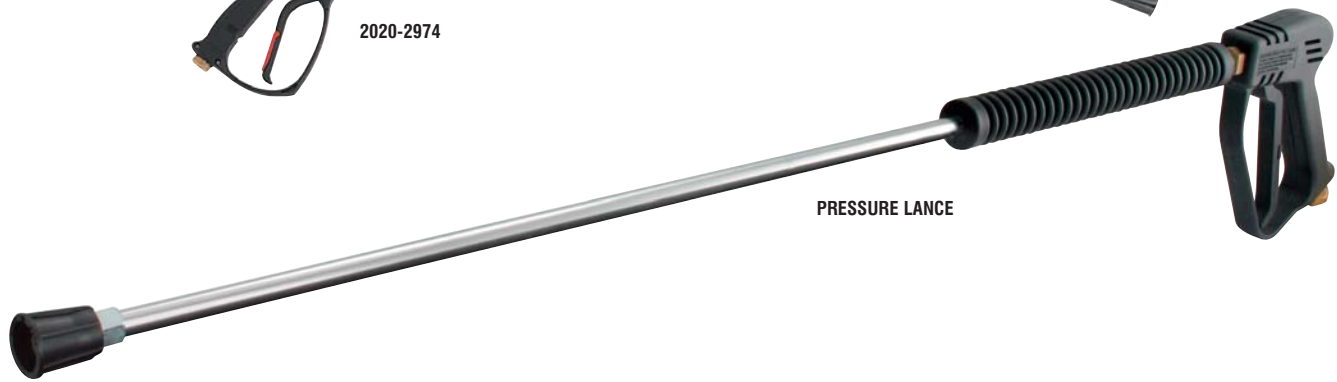
1PWLA-38B



1002-038



2020-2974



PRESSURE LANCE

HOSE

WDH1
BH19

White non marking wash down hose for hot water up to 100°C, 10 bar wp. 1/2" bore x 50mtr
Brewers hose for hot water up to 95°C (short periods) steam sterilisation up to 130°C (30 mins).
40mtr coils 3/4" – BH19, 1" – BH25, 1 1/4" – BH32, 1 1/2" – BH38

FQH13

Food Quality Steam Hose, for temperature of 164°C saturated steam, 95°C hot water. 40mtr coils
1/2" – FQH13, 3/4" – FQH19, 1" – FQH25

WDH1



BH19



FQH13

WASHDOWN GUNS

WASH GUN
REDWASH GUN
HYGWASH

Heavy Duty Water Gun - Blue rubber insulated handle, scuff resistant, trigger lock, adjustable spray, 1/2" bsp

Heavy Duty Water Gun - Red rubber insulated handle, scuff resistant, trigger lock, adjustable spray, 1/2" bsp

Hygienic Heavy Duty Stainless Steel Gun White non marking rubber insulated handle, scuff resistant, trigger lock, adjustable spray, 1/2" bsp



Hose reels are a cost effective solution to users of long length hose assemblies in a variety of applications. Auto rewind reels will give increased hose life and dramatically reduce the risk of accidents and injuries associated with tangled hose laying on the floor.

Part No
Application
Max wp
Hose bore
Length
Inlet
Outlet

AR100
Compressed air hose reel
16 bar
10mm
20mtr
3/8" female
1/4" male



Part No
Application
Max wp
Hose
Length
Inlet

MPL-N-350
Heavy Duty High Pressure reel for Water, Steam, Oil & Grease
3000psi
Supplied separate
15mtr
3/8" female



Part No
Application
Max wp
Hose
Length
Inlet

P-LPL-350
Heavy Duty Spring Rewind hose reel. For Air, Water, Food & Diesel
20 bar
Supplied separate
15mtr
3/8" female





valves



- Full bore
- Nickel plated brass
- BS EN331
- -20°C to +130°C
- WRAS approved
- British Gas approved

SPP
1/4"
3/8"
1/2"
3/4"
1"
1 1/4"
1 1/2"
2"
2 1/2"
3"
4"

Part No
101300
101305
101310
101315
101320
101325
101330
101335
101340
101345
101350

Part No
101500
101505
101510
101515
101520
101525
101530
101535
101540
101545
101550

Part No
101400
101405
101410
101415
101420
101425
101430
101435
101440
101445
101450



- Full bore
- Nickel plated brass
- BS EN331
- -20°C to +130°C
- WRAS approved
- British Gas approved

SPP
1/4"
3/8"
1/2"
3/4"
1"

Part No
101600
101605
101610
101615
101620

Part No
101700
101705
101710
101715
101720

Part No
101455
101460
101465
101470
101475



- Full bore
- Nickel plated brass
- BS EN331
- -10°C to +130°C
- WRAS approved
- British Gas approved

Tube OD
15mm
22mm
28mm

Part No
102450
102455
102460

Part No
102470
102475
102480

Part No
102420
102425
102430



- Mini Ball Valves**
- Reduced bore
 - Chrome Plated
 - Metal thumb grip
 - -20°C to +60°C
 - WRAS approved

BSP
1/4"
3/8"
1/2"
3/4"

Female x Female
Part No
102505
102510
102515
102520

Male x Female
Part No
102555
102560
102565
102570



Also available from HYDRAQUIP are numerous components and valves for inclusion as part of a finished product or as part of a kit, with an ex-stock availability on over 50,000 products. In addition to the ex-stock range of components, HYDRAQUIP are able to offer a design and manufacture service to OEM's who have higher volume requirements for non standard designs.

Both standard and special valves are available for high volume users



and can be supplied as a single delivery or scheduled to meet production requirements.



Distribution manifolds are available in 2, 3 and 4 way and especially suited for Modular builds.

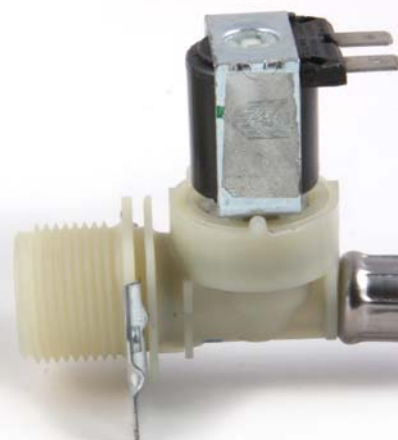


HYDRAQUIP work closely alongside John Guest's OEM division.



The full John Guest range is available as component parts of a finished kit.

Plastic Bodied Solenoid Valves. For use with Potable Water and approved by WRAS, ENEC & NSF. Available inline or elbow configuration and a choice of features and specifications.





WRAS approved tap flexibles

HQ wRED range of WRAS approved tap flexibles suitable for plumbing and potable water connections.

Tube	304 Stainless steel overbraided non toxic epdm rubber hose
Working Pressure	15 bar
Temperature range	70°C (brass fittings) 65°C (plastic fittings)



FEMALE x FEMALE with CAPTIVE WASHERS

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAPFF12	10	300	1/2" female	1/2" female



FEMALE x COMPRESSION

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15-10	10	300	1/2" female	15mm compression
W-TAP15-10-500	10	500	1/2" female	15mm compression
W-TAP15-10-3/4	10	500	3/4" female	15mm compression
W-TAP22	13	300	3/4" female	22mm compression



COMPRESSION x COMPRESSION

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15-10-MB	10	300	15mm compression	15mm compression



FEMALE x ISOLATING VALVE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15-10V	10	300	1/2" female	15mm ISO valve
W-TAP15-10V-3/4	10	300	3/4" female	15mm ISO valve
W-TAP22V	13	300	3/4" female	22mm ISO valve



MONOBLOC TAPTAIL

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAPTAIL10 (pair)	8	300	M10 (long & short)	15mm compression
W-TAPTAIL12 (pair)	8	300	M12 (long & short)	15mm compression





PUSH FIT x FEMALE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15J-10	10	300	1/2" female	15mm JG speedfit
W-TAP15J-10-500	10	500	1/2" female	15mm JG speedfit
W-TAP15J	13	300	1/2" female	15mm JG speedfit
W-TAP15J-500	13	500	1/2" female	15mm JG speedfit
W-TAP15J-900	13	900	1/2" female	15mm JG speedfit
W-TAP15J-3/4	13	300	3/4" female	15mm JG speedfit
W-TAP15J-3/4-500	13	500	3/4" female	15mm JG speedfit
W-TAP15J-3/4-900	13	900	3/4" female	15mm JG speedfit
W-TAP22J-13	13	300	3/4" female	22mm JG speedfit
W-TAP22J-13-500	13	500	3/4" female	22mm JG speedfit
W-TAP22J-13-900	13	900	3/4" female	22mm JG speedfit

WRAS
APPROVED
PRODUCT



PUSH FIT x STAND PIPE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15JCL	13	300	15mm JG speedfit	15mm stand pipe
W-TAP15JCL-500	13	500	15mm JG speedfit	15mm stand pipe
W-TAP15JCL-900	13	900	15mm JG speedfit	15mm stand pipe



PUSH FIT x PUSH FIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15JJ	13	300	15mm JG speedfit	15mm JG speedfit



FEMALE x PUSH FIT ISOLATING VALVE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15JV	13	300	1/2" female	
W-TAP15JV-500	13	500	1/2" female	





tap flexibles

Tube	304 Stainless steel overbraided non toxic epdm rubber hose
Working Pressure	15 bar
Temperature range	70°C (brass fittings) 65°C (plastic fittings)

FEMALE x FEMALE with CAPTIVE WASHERS

Part Number	bore mm	length mm	Fitting 1	Fitting 2
BX10FFPP30S	10	300	1/2" female	1/2" female



FEMALE x COMPRESSION

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15-10-3/8	10	300	3/8" female	15mm compression
TAP15-10	10	300	1/2" female	15mm compression
TAP15-10-500	10	500	1/2" female	15mm compression
TAP15-10-600	10	600	1/2" female	15mm compression
TAP15-10-900	10	900	1/2" female	15mm compression
TAP15-10-3/4	10	300	3/4" female	15mm compression
TAP15-10-3/4-500	10	500	3/4" female	15mm compression
TAP15	13	300	1/2" female	15mm compression
TAP15-500	13	500	1/2" female	15mm compression
TAP15-900	13	900	1/2" female	15mm compression
TAP22	13	300	3/4" female	22mm compression
TAP22-500	13	500	3/4" female	22mm compression
TAP22-900	13	900	3/4" female	22mm compression



COMPRESSION x COMPRESSION

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15-10-MB	10	300	15mm compression	15mm compression
TAP15-10-MB-500	10	500	15mm compression	15mm compression
TAP15-10-MB-900	10	900	15mm compression	15mm compression
TAP15-MB	13	300	15mm compression	15mm compression
TAP22-MB	19	300	22mm compression	22mm compression



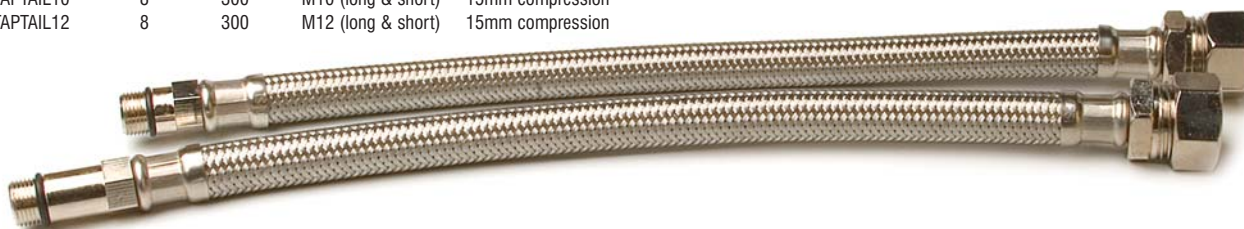
FEMALE x ISOLATING VALVE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15-10V	10	300	1/2" female	15mm ISO valve
TAP15-10V-500	10	500	1/2" female	15mm ISO valve
TAP15-10V-3/4	13	300	3/4" female	15mm ISO valve
TAP15-10V-3/4-500	13	500	3/4" female	15mm ISO valve
TAP15V	13	300	1/2" female	15mm ISO valve
TAP22V	13	300	3/4" female	22mm ISO valve



MONOBLOC TAPTAIL

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAPTAIL10	8	300	M10 (long & short)	15mm compression
TAPTAIL12	8	300	M12 (long & short)	15mm compression



COMPRESSION x ELBOW

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15E	13	300	15mm compression	1/2" elbow
TAP15E-500	13	500	15mm compression	1/2" elbow



WING NUT x WING NUT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAPWW12	13	300	1/2" wing nut	1/2" wing nut
TAPWW12-500	13	500	1/2" wing nut	1/2" wing nut



WING NUT x PUSH FIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15W	13	300	1/2" wing nut	15mm push fit
TAP15WW-500	13	500	1/2" wing nut	15mm push fit





black push fit tap flexibles

Improved ease of connection added to the benefits of a flexible hose make this range ideal for numerous applications from domestic to major manufacturers.

FEMALE x HQ-BLACK PUSH FIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
GT10-1	10	300	1/2" female	15mm push fit
GT125-1	13	300	1/2" female	15mm push fit
GT125-1-500	13	500	1/2" female	15mm push fit
GT125-3	13	300	3/4" female	22mm push fit



FEMALE x HQ-BLACK VALVED PUSH FIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
GT10-2	10	300	1/2" female	15mm valved push fit
GT125-2	13	300	1/2" female	15mm valved push fit
GT125-4	13	300	3/4" female	22mm valved push fit



HQ-BLACK x HQ-BLACK

Part Number	bore mm	length mm	Fitting 1	Fitting 2
GT10-8	10	300	15mm push fit	15mm push fit
GT125-8	13	300	15mm push fit	15mm push fit
GT125-9	13	300	22mm push fit	22mm push fit



HQ BLACK PUSH FIT x MONOBLOC TAPTAIL

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAPTAIL10-GT	8	300	M10 (long & short)	15mm push fit
TAPTAIL12-GT	8	300	M12 (long & short)	15mm push fit



push fit tap flexibles with john guest ends

Improved ease of connection along with the assurance of the JOHN GUEST SPEEDFIT fittings, added to the benefits of a flexible hose make this range ideal for numerous applications.

FEMALE x JG SPEEDFIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15J-10	10	300	1/2" female	15mm JG speedfit
TAP15J-10-500	10	500	1/2" female	15mm JG speedfit
TAP15J-10-900	10	900	1/2" female	15mm JG speedfit
TAP15J	13	300	1/2" female	15mm JG speedfit
TAP15J-500	13	500	1/2" female	15mm JG speedfit
TAP15J-900	13	900	1/2" female	15mm JG speedfit
TAP15J-3/4	13	300	3/4" female	15mm JG speedfit
TAP15J-3/4-500	13	500	3/4" female	15mm JG speedfit
TAP15J-3/4-900	13	900	3/4" female	15mm JG speedfit
TAP22J-13	13	300	3/4" female	22mm JG speedfit
TAP22J-13-500	13	500	3/4" female	22mm JG speedfit
TAP22J-13-900	13	900	3/4" female	22mm JG speedfit



FEMALE x JG SPEEDFIT VALVED PUSH FIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15JVPV	13	300	1/2" female	15mm JG speedfit valved



JG SPEEDFIT x JG SPEEDFIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15JJ	13	300	15mm JG speedfit	15mm JG speedfit
TAP22JJ	13	300	22mm JG speedfit	22mm JG speedfit



JG SPEEDFIT x STAND PIPE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15JCL	13	300	15mm JG speedfit	15mm stand pipe
TAP15JCL-500	13	500	15mm JG speedfit	15mm stand pipe
TAP15JCL-900	13	900	15mm JG speedfit	15mm stand pipe



JG SPEEDFIT x MONOBLOC TAPTAIL

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAPTAIL10-JG	8	300	M10 (long & short)	15mm JG speedfit
TAPTAIL12-JG	8	300	M12 (long & short)	15mm JG speedfit



push fit **tap flexibles** with brass john guest ends



For applications that require no compromise on quality, the JOHN GUEST BRASS range of fittings, added to the benefits of a flexible hose make this range ideal for prestigious applications.

FEMALE x BRASS JG SPEEDFIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15JP	13	300	1/2" female	15mm brass JG speedfit
TAP15JP-500	13	500	1/2" female	15mm brass JG speedfit
TAP15JP-900	13	900	1/2" female	15mm brass JG speedfit



BRASS JG SPEEDFIT x BRASS JG SPEEDFIT

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15JP-JP	13	300	15mm brass JG speedfit	15mm brass JG speedfit
TAP15JP-JP-500	13	500	15mm brass JG speedfit	15mm brass JG speedfit
TAP15JP-JP-900	13	900	15mm brass JG speedfit	15mm brass JG speedfit



FEMALE x BRASS JG SPEEDFIT ISO VALVE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15JV	13	300	1/2" female	15mm brass JG valve
TAP15JV-500	13	500	1/2" female	15mm brass JG valve
TAP15JV-900	13	900	1/2" female	15mm brass JG valve



BRASS JG SPEEDFIT x BRASS JG SPEEDFIT ISO VALVE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
TAP15JVP	13	300	15mm brass JG speedfit	15mm brass JG valve
TAP15JVP-500	13	500	15mm brass JG speedfit	15mm brass JG valve
TAP15JVP-900	13	900	15mm brass JG speedfit	15mm brass JG valve



26 - 27
black push-fit
& push-fit tap
flexibles with
john guest
ends



elegant chromed valves & hose assemblies

As the name suggests the ELEGANT range of push fittings has been designed for mid to high end users of these types of fittings. Finished in deep chrome, the range will complement any installation but is especially suited to projects where the supply pipe connection is visible.

Elegant

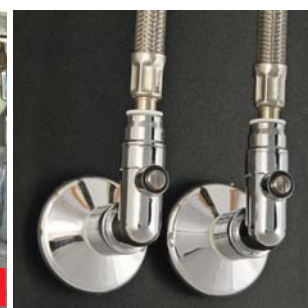
MADE TO BE SEEN



ELEGANT MONOBLOC KITS (supplied boxed)

Part Number	Description	Pack Qty	Box Qty
HQE-SMK-M10	Straight valve kit for M10 Monobloc Taps	1	10
HQE-SMK-M12	Straight valve kit for M12 Monobloc Taps	1	10
HQE-AMK-M10	Angled valve kit for M10 Monobloc Taps	1	10
HQE-AMK-M12	Angled valve kit for M12 Monobloc Taps	1	10

Boxed kit comprising of 2 x 300mm monobloc flexibles, 2 x 10mm-15mm straight or angled iso valves, 2 x 15mm chrome finish wall pipe discs



ELEGANT VALVES - STRAIGHT

Part Number	Description	Pack Qty	Box Qty
HQE-SV-1015	10mm x 15mm Straight isolating valve	1	25
HQE-SV-1515	15mm x 15mm Straight isolating valve	1	25



ELEGANT VALVES - ANGLED

Part Number	Description	Pack Qty	Box Qty
HQE-AV-1015	10mm x 15mm Angled isolating valve	1	25
HQE-AV-1515	15mm x 15mm Angled isolating valve	1	25





FEMALE x ELEGANT PUSH FIT

Part Number	Description	Pack Qty	Box Qty
HQE-H1-300	15mm push fit x 1/2" female x 300mm long	1	100
HQE-H1-500	15mm push fit x 1/2" female x 500mm long	1	100



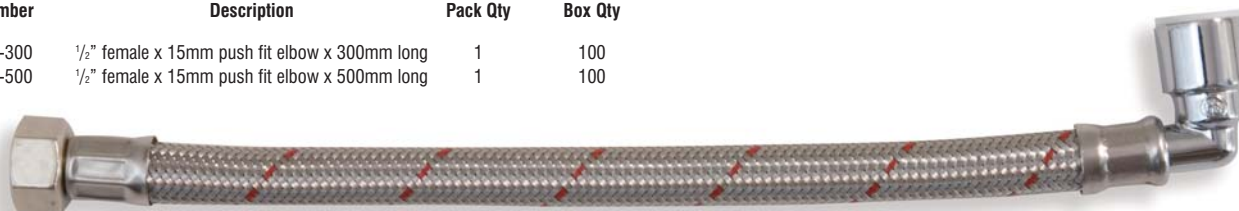
ELEGANT PUSH FIT x ELEGANT PUSH FIT

Part Number	Description	Pack Qty	Box Qty
HQE-H2-300	15mm push fit x 15mm push fit x 300mm long	1	100
HQE-H2-500	15mm push fit x 15mm push fit x 500mm long	1	100



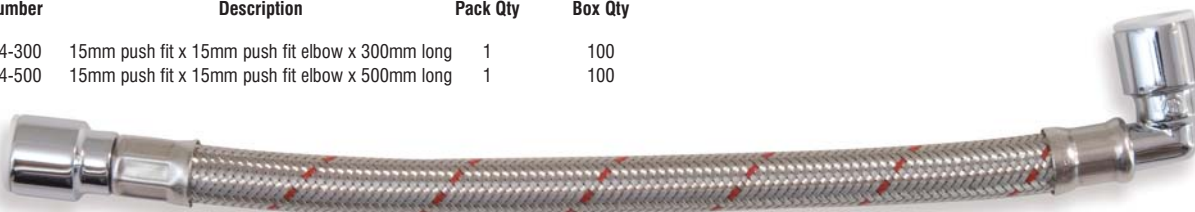
FEMALE x ELEGANT PUSH FIT ELBOW

Part Number	Description	Pack Qty	Box Qty
HQE-H3-300	1/2" female x 15mm push fit elbow x 300mm long	1	100
HQE-H3-500	1/2" female x 15mm push fit elbow x 500mm long	1	100



ELEGANT PUSH FIT x ELEGANT PUSH FIT ELBOW

Part Number	Description	Pack Qty	Box Qty
HQE-H4-300	15mm push fit x 15mm push fit elbow x 300mm long	1	100
HQE-H4-500	15mm push fit x 15mm push fit elbow x 500mm long	1	100



FEMALE x ELEGANT VALVED PUSH FIT

Part Number	Description	Pack Qty	Box Qty
HQE-H5-300	1/2" female x 15mm valved push fit x 300mm long	1	100
HQE-H5-500	1/2" female x 15mm valved push fit x 500mm long	1	100



ELEGANT PUSH FIT x ELEGANT VALVED PUSH FIT

Part Number	Description	Pack Qty	Box Qty
HQE-H6-300	15mm push fit x 15mm valved push fit x 300mm long	1	100
HQE-H6-500	15mm push fit x 15mm valved push fit x 500mm long	1	100





catering, vending and aquavend hose assemblies

WRAS approved brilliant white thermoplastic food grade hose with hytrel liner that does not support microbiological growth. Ensuring that water is taint and taste free for drinking water applications, such as vending and catering applications. Exterior cover provides a hygienic, easy clean surface with added kink resistance.

AQUAVEND with ALL PLASTIC FEMALE x ELBOW c/w SILICONE WASHER

bore mm	length mm	Fitting 1	Fitting 2
10/13/19	1000	3/4" female (plastic)	3/4" elbow (plastic)
10/13/19	1500	3/4" female (plastic)	3/4" elbow (plastic)
10/13/19	2000	3/4" female (plastic)	3/4" elbow (plastic)
10/13/19	2500	3/4" female (plastic)	3/4" elbow (plastic)



AQUAVEND with PLASTIC NUT/BRASS INSERT FEMALE x ELBOW

bore mm	length mm	Fitting 1	Fitting 2
10/13/19	1000	3/4" female	3/4" elbow
10/13/19	1500	3/4" female	3/4" elbow
10/13/19	2000	3/4" female	3/4" elbow
10/13/19	2500	3/4" female	3/4" elbow



AQUAVEND with BRASS NUT and INSERT FEMALE x ELBOW

bore mm	length mm	Fitting 1	Fitting 2
10/13/19	500	3/4" female	3/4" elbow
10/13/19	1000	3/4" female	3/4" elbow
10/13/19	1500	3/4" female	3/4" elbow
10/13/19	2000	3/4" female	3/4" elbow
10/13/19	2500	3/4" female	3/4" elbow



WRAS approved EPDM with BRASS NUT and INSERT FEMALE x ELBOW

bore mm	length mm	Fitting 1	Fitting 2
10/13/19	500	3/4" female	3/4" elbow
10/13/19	1000	3/4" female	3/4" elbow
10/13/19	1500	3/4" female	3/4" elbow
10/13/19	2000	3/4" female	3/4" elbow
10/13/19	2500	3/4" female	3/4" elbow



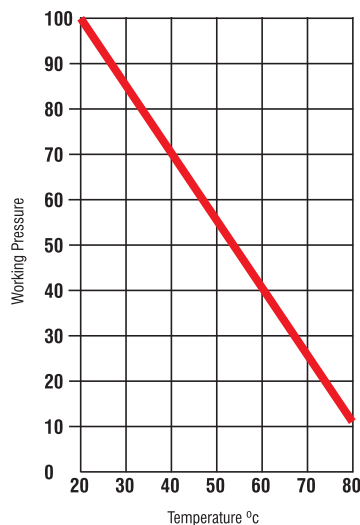
WRAS approved EPDM with BRASS NUT and INSERT ELBOW x ELBOW

bore mm	length mm	Fitting 1	Fitting 2
10/13/19	500	3/4" female	3/4" elbow
10/13/19	1000	3/4" female	3/4" elbow
10/13/19	1500	3/4" female	3/4" elbow
10/13/19	2000	3/4" female	3/4" elbow
10/13/19	2500	3/4" female	3/4" elbow



AQUAVEND COILS

Pressure/Temperature Relationship



Max. recommended continuous working temperature - 70°C

Technical Data

UK and European sizes

Product Ref	Size ID	Size OD	Weight per coil kgs	Burst Pressure Bar @ 20°
AQUA06	6.3	12	4.1	80
AQUA10	10	16	5.9	60
AQUA12	12.5	19	8.1	44
AQUA19	19	26	12.1	39
AQUA25	25	33	14.5	30

UK Standard stock sizes in 30m coils

Test Methods and Procedures:

BS EN ISO 7751 : 1997	BS EN 24671 : 1993
ISO 1402 : 1994	ISO 8033 : 1991
BS EN 28033 : 1993	BS EN 21746 : 1993

For safety factors see ISO 7751 : 1997



PEX (non rubber) tap flexibles WRAS approved



Approved by WRAS this range of stainless overbraided PEX tap flexibles offers the flexibility of a standard tap connector but with a plastic lining for applications where rubber is not accepted.

Tube	304 Stainless steel overbraided non toxic plastic hose
Working Pressure	15 bar
Temperature range	70°C (brass fittings) 65°C (plastic fittings)



WRAS
APPROVED
PRODUCT



FEMALE x COMPRESSION

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15-10-PX	10	300	1/2" female	15mm compression
W-TAP15-10-500-PX	10	500	1/2" female	15mm compression
W-TAP15-10-3/4-PX	10	500	3/4" female	15mm compression
W-TAP22-PX	13	300	3/4" female	22mm compression



COMPRESSION x COMPRESSION

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15-10-MB-PX	10	300	15mm compression	15mm compression



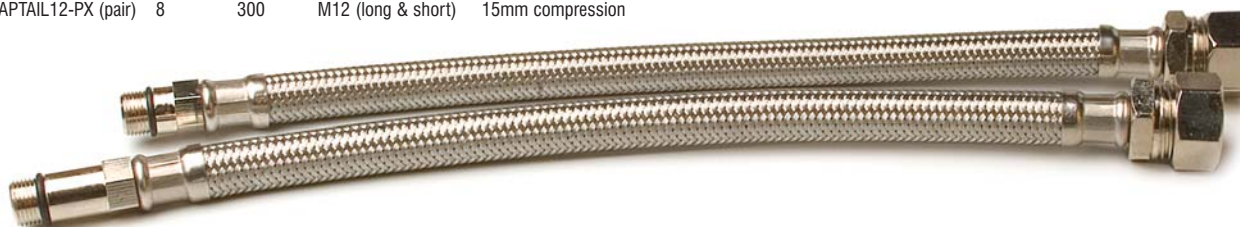
FEMALE x ISOLATING VALVE

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAP15-10V-PX	10	300	1/2" female	15mm ISO valve
W-TAP15-10V-3/4-PX	10	300	3/4" female	15mm ISO valve
W-TAP22V-PX	13	300	3/4" female	22mm ISO valve



MONOBLOC TAPTAIL

Part Number	bore mm	length mm	Fitting 1	Fitting 2
W-TAPTAIL10-PX (pair)	8	300	M10 (long & short)	15mm compression
W-TAPTAIL12-PX (pair)	8	300	M12 (long & short)	15mm compression



30 - 31
aquavend
& non rubber
tap flexibles



pressure testing products

A range of popular water and pipework testing equipment suitable for domestic and commercial pressure testing. Bespoke testing kits and products can be designed for specific applications.

Gauges are manufactured to EN837-Class 2.5

PRESSURE GAUGES

TECHNICAL

Part No	H2-G1	H2-G2	H2-G3	HQ-G1
Diameter	63mm	63mm	63mm	63mm
Range	0 - 4 bar/psi	0 - 11 bar/psi	0 - 25 bar/psi	0 - 15 bar/psi/kg
Case	Steel	Steel	Steel	Steel
Inside	Brass	Brass	Brass	Brass
Connection	bottom	bottom	bottom	top
Thread	1/4" bsp	1/4" bsp	1/4" bsp	1/4" bsp
Cover	rubber protector	rubber protector	rubber protector	rubber protector
Other	red carrier needle	red carrier needle	red carrier needle	red carrier needle



TEST KITS

HQ-TH

Water test hose
50mm Gauge -
0 - 11bar/psi, supplied
with 200mm long
flexible hose with
3/4" female connection



HQ-DT

Dry test kit
50mm Gauge -
0 - 4bar/psi, supplied
with brass body with
15mm push fit
connection and
tyre valve



HQ-WT

Water test hose
63mm Gauge -
0 - 15bar/psi, supplied
with 200mm long
flexible hose with
3/4" female connection



HQ-OT

Oil test hose
50mm Gauge -
0 - 15bar/psi, supplied
with 200mm long
flexible hose with
1/8" female connection





H2&O WET AND DRY PRESSURE TEST KIT



A comprehensive kit designed for professionals

Part No. H2&O

- Suitable for wet and dry testing
- For 15mm and 22mm pipework
- Up to 25 bar testing (wet)
- Up to 4 bar testing (dry)
- 63mm diameter gauges with red carrier needles for peak reading
- Protected by shock absorbing rubber boot
- Push fittings manufactured from brass for durability



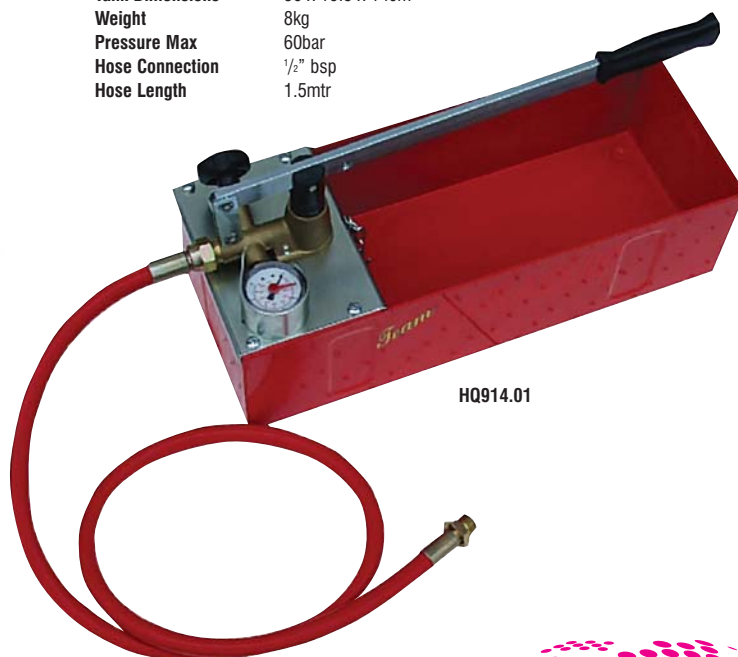
TEST PUMPS

	HG915.05
Tank	Stainless steel
Capacity	12 ltr
Dimensions	50 x 20 x 24cm
Tank Dimensions	50 x 19.5 x 14cm
Weight	8kg
Pressure Max	60bar
Hose Connection	1/2" bsp
Hose Length	1.5mtr



HG915.05

	HQ914.01
Tank	Galvanised steel
Capacity	12 ltr
Dimensions	50 x 20 x 24cm
Tank Dimensions	50 x 19.5 x 14cm
Weight	8kg
Pressure Max	60bar
Hose Connection	1/2" bsp
Hose Length	1.5mtr



HQ914.01



PVC hose/worm drive clips

A general multipurpose hose that lends itself to numerous applications across a wide section of industries.

APPLICATIONS

- Water supply and draining
- Transfer of fluids and powder
- Supplying water, gas and oil etc

Other special purposes

- PVC - Can be supplied as loose coils or in made up assemblies (see fittings on page 34-35) with a choice of standard fittings, special or free issue (subject to acceptance)

TECHNICAL

- Temperature range -20°C to +65°C
- Manufactured to comply with BS6066, ISO5774 and US FDA (Food Grade)
- High resistance to alkalis/acids
- Excellent transparency
- Durable, anti cold proof & non inflated
- High flexibility and lightweight
- Little expansion or contraction

Part Number	Hose ID inch	Hose ID mm	Colour	WP (Bar)
HDPVC14	1/4"	6mm	Clear	16mm
HDPVC516	5/16"	8mm	Clear	16mm
HDPVC38	3/8"	10mm	Clear	15mm
HDPVC12	1/2"	12mm	Clear	12mm
HDPVC58	5/8"	16mm	Clear	10mm
HDPVC34	3/4"	19mm	Clear	10mm
HDPVC1	1"	25mm	Clear	10mm
HDPVC114	1 1/4"	32mm	Clear	6mm
HDPVC112	1 1/2"	38mm	Clear	6mm
HDPVC2	2"	51mm	Clear	3mm



WORM DRIVE CLIPS



MILD STEEL, ALU ZINC PLATED

Min (mm)	Max (mm)	Band (mm)	Part No.
8.0	12	9	NOR-000
10.0	16	9	NOR-M00
12.0	22	9	NOR-00
16.0	27	12	NOR-0
20	32	12	NOR-1A
25	40	12	NOR-1
35	50	12	NOR-2A
40	60	12	NOR-2
50	70	12	NOR-3
60	80	12	NOR-3X
70	90	12	NOR-4
80	100	12	NOR-4X
90	110	12	NOR-5



ALL STAINLESS

Min (mm)	Max (mm)	Band (mm)	Part No.
8.0	12	9	NOR-SS-000
10.0	16	9	NOR-SS-M00
12.0	22	9	NOR-SS-00
16.0	27	12	NOR-SS-0
20	32	12	NOR-SS-1A
25	40	12	NOR-SS-1
35	50	12	NOR-SS-2A
40	60	12	NOR-SS-2
50	70	12	NOR-SS-3
60	80	12	NOR-SS-3X
70	90	12	NOR-SS-4
80	100	12	NOR-SS-4X
90	110	12	NOR-SS-5



HI TORQUE ALL STAINLESS (16mm band)

Min (mm)	Max (mm)	Band (mm)	Part No.
25	45	16	NOR-HD45
32	54	16	NOR-HD54
45	67	16	NOR-HD67
57	79	16	NOR-HD73
70	92	16	NOR-HD92
95	118	16	NOR-HD118
108	130	16	NOR-HD130
121	143	16	NOR-HD143
146	168	16	NOR-HD168
159	181	16	NOR-HD181
172	194	16	NOR-HD194
210	132	16	NOR-HD232
-	-	-	-

Suitable for commercial and domestic heating oils with all popular fittings available. Manufactured to ISO 9002 standards in the UK in a choice of tube materials depending on application requirements.

- Large choice of steel and brass fittings
- Any combination of fittings and length manufactured to order suitable for commercial and domestic heating fuels

GALVANISED BRAIDED

Part No.	bore (mm)	standard length (mm)	end fittings		
BR06FOFO45	6mm	450	1/4 F x 1/4 F	braid/reinforcement	galvanised overbraid
BR06FOFO60	6mm	600	1/4 F x 1/4 F	tube	nitrile rubber
BR06FOFO90	6mm	900	1/4 F x 1/4 F	fittings	brass or steel
BR06FOMC45	6mm	450	1/4 F x 1/4 M	tube working pressure	15 bar
BR06FOMC60	6mm	600	1/4 F x 1/4 M	temperature range	-20°C to +80°C
BR06FOMC90	6mm	900	1/4 F x 1/4 M		
BR06FOMCN91S	6mm	900	3/8 F x 1/4 90 M		



EXTRA FLEXIBLE - suitable for heating fuels and rape seed based oils

Part No.	bore (mm)	standard length (mm)	end fittings		
LL06FOFO45	6mm	450	1/4 F x 1/4 F	textile braid	single internal wire braid
LL06FOFO60	6mm	600	1/4 F x 1/4 F	tube	black synthetic elastomer
LL06FOFO90	6mm	900	1/4 F x 1/4 F	fittings	brass or steel
LL06FOMC45	6mm	450	1/4 F x 1/4 M	tube	working pressure 20 bar
LL06FOMC60	6mm	600	1/4 F x 1/4 M	temperature range	-40°C to +100°C
LL06FOMC90	6mm	900	1/4 F x 1/4 M		
LL06FOMCN91S	6mm	900	3/8 F x 1/4 90 M		



PVC

Part No.	bore (mm)	standard length (mm)	end fittings		
V06FOFO45	6mm	450	1/4 F x 1/4 F	braid/reinforcement	none
PV06FOFO60	6mm	600	1/4 F x 1/4 F	tube	clear pvc
PV06FOFO90	6mm	900	1/4 F x 1/4 F	fittings	brass or steel
PV06FOMC45	6mm	450	1/4 F x 1/4 M	wall thickness	3 mm
PV06FOMC60	6mm	600	1/4 F x 1/4 M	temperature range	-15°C to +60°C
PV06FOMC90	6mm	900	1/4 F x 1/4 M		
PV06FOMCN91S	6mm	900	3/8 F x 1/4 90 M		



BRASS ADAPTORS

Part No.	parallel	taper
NSC 1/4	1/4	1/4
NSC 1/4 X 3/8	3/8	1/4
NSC 3/8	3/8	3/8





double armoured gas and oil hoses

A traditional hose assembly which is ideally suited for natural gas and oil applications where kink and abrasion resistance are required.

NB. These assemblies should not be used in applications that require a hose that conforms to BS669/1 or 2, refer to CATERHOSE range on opposite page.

Tube	Nitrile rubber
Reinforcement	Galvanised overbraid, Additional flat wire would steel spring
Fittings	Brass, Nickel Plated Brass
Working Pressure	8mm & 10mm - 30 bar, 13mm to 25mm - 20 bar
Temperature range	80°C



Ideally suited for natural gas in commercial applications where kink and abrasion resistance are required

DOUBLE ARMoured ASSEMBLY F/W MALE x FEMALE C/W PARALLEL x TAPER ADAPTOR

Part Number	bore mm	length mm	end 1	end 2
DA13FOMC61A	13	610	Female & adaptor	Male
DA13FOMC122A	13	1220	Female & adaptor	Male
DA13FOMC183A	13	1830	Female & adaptor	Male
DA19FOMC61A	19	610	Female & adaptor	Male
DA19FOMC122A	19	1220	Female & adaptor	Male
DA19FOMC183A	19	1830	Female & adaptor	Male
DA25FOMC61A	25	610	Female & adaptor	Male
DA25FOMC122A	25	1220	Female & adaptor	Male
DA25FOMC183A	25	1830	Female & adaptor	Male



PVC COVERED DA ASSEMBLY F/W MALE x FEMALE C/W PARALLEL x TAPER ADAPTOR

Part Number	bore mm	length mm	end 1	end 2
DA13FOMC61AH	13	610	Female & adaptor	Male
DA13FOMC122AH	13	1220	Female & adaptor	Male
DA13FOMC183AH	13	1830	Female & adaptor	Male
DA19FOMC61AH	19	610	Female & adaptor	Male
DA19FOMC122AH	19	1220	Female & adaptor	Male
DA19FOMC183AH	19	1830	Female & adaptor	Male
DA25FOMC61AH	25	610	Female & adaptor	Male
DA25FOMC122AH	25	1220	Female & adaptor	Male
DA25FOMC183AH	25	1830	Female & adaptor	Male



DOUBLE ARMoured ASSEMBLY F/W MALE x BAYONET

Part Number	bore mm	length mm	end 1	end 2
DA13MCBA61H	13	610	Male	Gas Bayonet
DA13MCBA122H	13	1220	Male	Gas Bayonet
DA19MCBA183H	13	1830	Male	Gas Bayonet



Caterhose is a fully welded, corrugated stainless steel catering gas hose assembly manufactured under rigorous controls to meet the requirements of gas supply for catering appliances using 1st, 2nd and 3rd family gases. Caterhose Catering Gas Hose has been tested and certified to BS669 Part 2 1997.

- Fully welded - 100% pressure tested
- No plated mild steel parts - fully stainless end connections
- Flexible - tie it in a knot and it still springs back to shape
- High quality thick yellow non-wrinkle PVC cover
- Restraining wire included in price
- UK made

The hose is supplied with a quick release valved coupler which cuts off the supply of gas when disconnected. Easy cleaning. Caterhose assemblies installed with mobile catering appliances allow easy access for cleaning in line with Health and Safety regulations for hygiene in food preparation establishments.

STANDARD RANGE

Part No.	bore	length
HQCH-12-500	1/2"	500mm
HQCH-12-1000	1/2"	1000mm
HQCH-12-1500	1/2"	1500mm
HQCH-34-500	3/4"	500mm
HQCH-34-1000	3/4"	1000mm
HQCH-34-1500	3/4"	1500mm
HQCH-1-100	1"	1000mm
HQCH-1-1500	1"	1500mm



BAYONET RANGE

Part No.	bore	length
HQBCH-12-500	1/2"	500mm
HQBCH-12-1000	1/2"	1000mm
HQBCH-12-1500	1/2"	1500mm





braided hose for water, oils and gas

GALVANISED STEEL OVERBRAIDED NITRILE RUBBER

- suitable for commercial air, oil, fuel and some gases. Not suitable unleaded petrol

Part No	ID mm	ID inch	OD mm	WP bar	Min bend	Ferrule	braid	Galv Steel
BR06	6	1/4	10	15	40	B12X14	tube	Nitrile
BR08	8	5/16	13	15	50	B13X15	temperature min	-20°C
BR10	10	3/8	15	15	55	B16X18	temperature max	80°C
BR13	13	1/2	19	15	60	B20X22	min burst	4 x WP
BR16	16	5/8	21	10	80	B23X25		
BR19	19	3/4	25	10	90	B28X30		
BR25	25	1	32	10	110	B36X38		



STAINLESS STEEL OVERBRAIDED NITRILE RUBBER

- suitable for commercial air, oil, fuel and some gases. Not suitable unleaded petrol

Part No	ID mm	ID inch	OD mm	WP bar	Min bend	Ferrule	braid	Stainless Steel
BR06SS	6	1/4	10	15	40	B11X12SS	tube	Nitrile
BR08SS	8	5/16	12	15	50	B13X14SS	temperature min	-20°C
BR10SS	10	3/8	15	15	55	B15X16SS	temperature max	80°C
BR13SS	13	1/2	19	15	60	B18.5X19.5SS	min burst	4 x WP
BR19SS	19	3/4	25	10	80	B29X30SS		



EXTRA FLEXIBLE RUBBER

- suitable for oils, fuels, rape seed oil and some bio fuels

Part No	ID mm	ID inch	OD mm	WP bar	Min bend	cover	Black synthetic elastomet-abrasion, ozone and hydrocarbon resistant
LL06	6	1/4	10	10	48	reinforcement	High tensile textile cord
LL08	8	5/16	15	10	64	tube	Black synthetic elastomer
LL10	10	3/8	17	10	80	temperature	-10°C to 60°C
LL13	13	1/2	20	10	104		
LL16	16	5/8	24	10	128		
LL19	19	3/4	27	10	152		
LL25	25	1	35	10	200		



DOUBLE ARMoured NITRILE

- suitable for oil, fuel - excluding unleaded petrol and some gases. Also suitable for air in commercial/industrial applications

Part No	ID mm	ID inch	WP bar	Min bend	Ferrule	outer	Galvanised spring steel flat wire
DA08	8	5/16	30	40	B16X18	braid	Galvanised steel wire
DA10	10	3/8	30	50	B16X18	tube	Nitrile rubber
DA13	13	1/2	20	60	B21X23	temperature min	-20°C
DA19	19	3/4	20	80	B28X30	temperature max	80°C
DA25	25	1	20	100	B36X38	min burst	4 x WP



STAINLESS STEEL OVERBRAIDED BS3212 RUBBER

- suitable for lpg & natural gas

Part No	ID mm	ID inch	OD mm	WP bar	Min bend	braid	AISI 304
DS06	6	1/4	14	20	58	tube	Nitrile
DS08	8	5/16	16	20	74	temperature min	-10°C
DS10	10	3/8	18	20	90	temperature max	60°C
DS13	13	1/2	21	20	100	min burst	4 x WP





STAINLESS STEEL OVERBRAIDED EPDM RUBBER

- suitable water applications in plumbing and heating.

Part No	ID mm	ID inch	OD mm	WP bar	Min bend	Ferrule	braid	AISI 304
BX08	8	5/16	12	20	27	B13X14SS	tube	EPDM
BX10	10	3/8	14	20	40	B15X16SS	temperature min	-20°C
BX13	13	1/2	17	20	60	B18.5X19.5SS	temperature max	110°C
BX16	16	5/8	22	16	70	B23X25SS	min burst	4 x WP
BX19	19	3/4	27	16	80	B29X30SS		
BX25	25	1	34	10	100	B36X38SS		
BX32	32	1 1/3	44	10	160	B46X50		
BX40	40	1 1/2	54	6	180	B57X60		
BX50	50	2	64	6	230	B67X70		



STAINLESS STEEL OVERBRAIDED EPDM RUBBER

- as type BX but WRAS approved WITH Red fleck in braid

Part No	ID mm	ID inch	OD mm	WP bar	Min bend	Ferrule	braid	AISI 304
SW08	8	5/16	12	20	27	B13X14SS	tube	EPDM
SW10	10	3/8	14	20	40	B15X16SS	temperature min	-20°C
SW13	13	1/2	17	20	60	B18.5X19.5SS	temperature max	110°C
SW19	19	3/4	27	16	70	B29X30SS	min burst	4 x WP
SW25	25	1	34	10	80	B36X38SS		

WRAS
APPROVED
PRODUCT



STAINLESS STEEL OVERBRAIDED PEX

- WRAS approved for Hot & Cold Water applications

Part No	ID mm	ID inch	OD mm	WP bar	Min bend	Ferrule	braid	AISI 304
PX08	8	5/16	12	20	50	B13X14SS	tube	PEX
PX10	10	3/8	14	20	70	B15X16SS	temperature max	85°C
PX13	13	1/2	17	20	80	B18.5X19.5SS	min burst	3 x WP

WRAS
APPROVED
PRODUCT



AQUAVEND

- WRAS approved for water applications

Part No	ID mm	ID inch	OD mm	WP bar
AQUA06	6	1/4	12	20
AQUA10	10	3/8	16	15
AQUA13	13	1/2	19	11S
AQUA19	19	3/4	26	10
AQUA25	25	1	33	7.5

cover	White PVC
reinforcement	Textile braid
tube	Polyester elastomer (WRAS approved)
temperature max	70°C

WRAS
APPROVED
PRODUCT





ferrules

FERRULES

Inside Diameter	ALUMINIUM				STAINLESS STEEL			
	OD mm	Length mm	Hole mm	Part No	OD mm	Length mm	Hole mm	Part No
11.0					12	18	8.0	B11X12SS
12.0	14	17	9	B12X14				
13.0	15	17	9	B12X15	14	18	9.3	B13X14SS
14.0	16	20	9.5	B14X16				
15.0					16	20	11.0	B15X16SS
16.0	18	20	12	B16X18				
17.0					18			B17X18SS
18.0	20	23	13	B18X20				
18.5					19.5	23	14.5	B18.5X19.5SS
19.0								
20.0	22	25	15	B20X22				
21.0	23	26	15	B21X23				
23.0	25	26	17	B23X25	25	23	17.0	B23X25SS
26.0	28	30	20	B26X28				
28.0	30	30	19	B28X30				
29.0					30	31	21.0	B29X30SS
33.0	35	33	26	B33X35				
36.0	38	35	26	B36X38	38	36	29.0	B36X38SS
46.0	50	50	36	B46X50				
57.0	60	51	40	B57X60				
67.0	70	57	52	B67X70				
76.0	80	67	63	B76X80				
86.0	90	72	71	B86X90				

WASHERS

Designed to fit into the HQ flat seat female hose inserts, but can be used on other applications with compatible dimensions



EPDM RUBBER WASHER					FIBRE WASHER			
Size	Part No	OD mm	ID mm	Depth mm	Part No	OD mm	ID mm	Depth mm
1/2"	19-10-2MM	19	10	2	G1/2	18	11	2
3/4"	24-14-2MM	24	14	2	G3/4	24	18	2
1"					G1	30	24	2
1 1/4"					G114	39	30	2
1 1/2"					G112	44.5	36	2
2"					G2	56	43	2

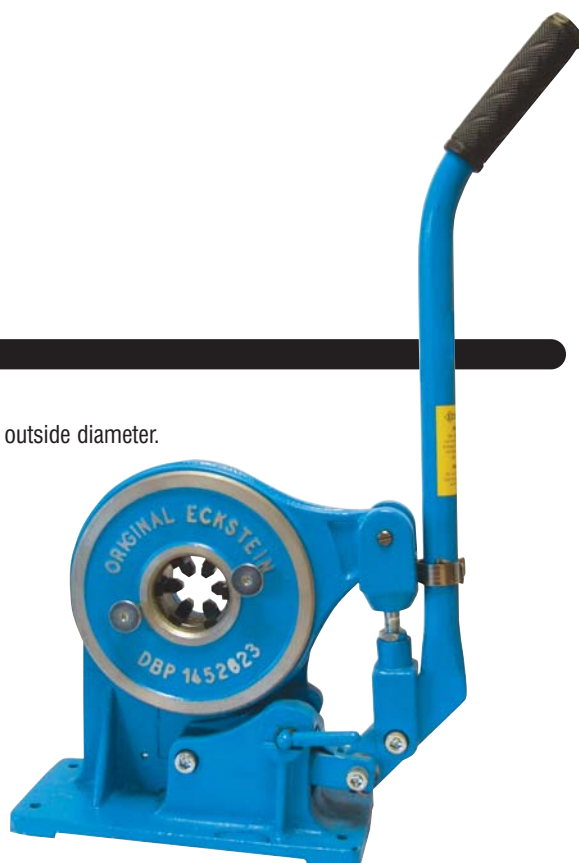
HAND CRIMPER

Part No PR1

Ideally suited for lower volume production runs of hoses. Suitable for ferrules 12mm to 28mm outside diameter. Supplied with two sets of dies which are easily changed.

Dimensions: 650mm (H) x 130mm (W) x 360mm (L)

Weight: 17.5kg



HOSE INSERTS



Thread bsp	Hose ID mm	Taper Male
1/8"	6	MC1/8-6
1/8"	8	MC1/8-8
1/4"	6	MC1/4-6
1/4"	8	MC1/4-8
3/8"	6	MC3/8-6
3/8"	8	MC3/8-8
3/8"	10	MC3/8-10
3/8"	13	MC3/8-13
1/2"	8	MC1/2-8
1/2"	10	MC1/2-10
1/2"	13	MC1/2-13
1/2"	16	MC1/2-16
1/2"	19	MC1/2-19
3/4"	10	MC3/4-10
3/4"	13	MC3/4-13
3/4"	16	MC3/4-16
3/4"	19	MC3/4-19
3/4"	25	MC3/4-25
1"	19	MC1-19
1"	25	MC1-25
1 1/4"	32	MC1 1/4-32
1 1/2"	40	MC1 1/2-40
2"	50	MC2-50



Thread bsp	Hose ID mm	Flat Seat Female
1/8"	6	-
1/8"	8	-
1/4"	6	FP1/4-6BX
1/4"	8	FP1/4-8BX
3/8"	6	FP3/8-6BX
3/8"	8	-
3/8"	10	FP3/8-10BX
3/8"	13	FP3/8-13BX
1/2"	8	FP1/2-8BX
1/2"	10	FP1/2-10BX
1/2"	13	FP1/2-13BX
1/2"	16	FP1/2-16BX
1/2"	19	-
3/4"	10	FP3/4-10BX
3/4"	13	FP3/4-13BX
3/4"	16	FP3/4-16BX
3/4"	19	FP3/4-19BX
3/4"	25	-
1"	19	FP1-19BX
1"	25	FP1-25BX
1 1/4"	32	FP1 1/4-32BX
1 1/2"	40	FP1 1/2-40BX
2"	50	FP2-50BX



Thread bsp	Hose ID mm	Flat Seat Elbow
1/8"	6	-
1/8"	8	-
1/4"	6	-
1/4"	8	FPN1/4-8
3/8"	6	-
3/8"	8	FPN3/8-8
3/8"	10	FPN3/8-10
3/8"	13	-
1/2"	8	FPN1/2-8
1/2"	10	FPN1/2-10
1/2"	13	FPN1/2-13
1/2"	16	FPN1/2-16
1/2"	19	-
3/4"	10	FPN3/4-10
3/4"	13	FPN3/4-13
3/4"	16	FPN3/4-16
3/4"	19	FPN3/4-19
3/4"	25	-
1"	19	-
1"	25	FPN1-25
1 1/4"	32	-
1 1/2"	40	-
2"	50	-



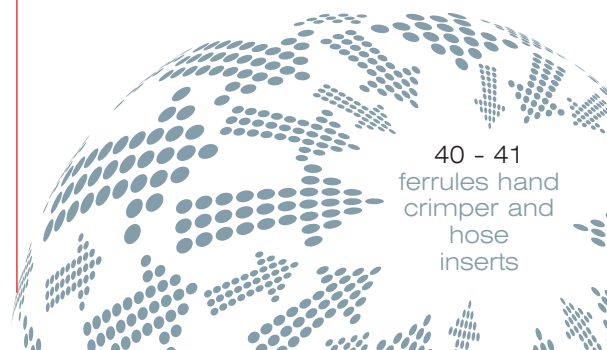
Thread bsp	Hose ID mm	Cone Seat Female
1/8"	6	-
1/8"	8	F01/8-8
1/4"	6	F01/4-6
1/4"	8	F01/4-8
3/8"	6	F03/8-6
3/8"	8	-
3/8"	10	F03/8-10
3/8"	13	F03/8-13
1/2"	8	-
1/2"	10	F01/2-10
1/2"	13	F01/2-13
1/2"	16	F01/2-16
1/2"	19	-
3/4"	10	-
3/4"	13	F03/4-13
3/4"	16	F03/4-16
3/4"	19	F03/4-19
3/4"	25	-
1"	19	-
1"	25	F01-25
1 1/4"	32	F01 1/4-32
1 1/2"	40	F01 1/2-40
2"	50	F02-50



Thread bsp	Hose ID mm	Cone Seat Elbow
1/8"	6	-
1/8"	8	-
1/4"	6	FON1/4-6
1/4"	8	FON1/4-8
3/8"	6	-
3/8"	8	-
3/8"	10	FON3/8-10
3/8"	13	-
1/2"	8	-
1/2"	10	FON1/2-10
1/2"	13	FON1/2-13
1/2"	16	-
1/2"	19	-
3/4"	10	-
3/4"	13	-
3/4"	16	FON3/4-16
3/4"	19	FON3/4-19
3/4"	25	-
1"	19	FON1-19
1"	25	-
1 1/4"	32	-
1 1/2"	40	-
2"	50	-



Thread bsp	Hose ID mm	Male Elbow
1/8"	6	-
1/8"	8	-
1/4"	6	MCN1/4-6





Tube OD mm	Hose ID mm	Metric Standpipe
6	6	CL8-6
8	8	CL8-8
10	10	CL10-10
12	10	CL12-10
15	10	CL15-10
15	13	CL15-13
15	16	
22	13	CL22-13
22	19	CL22-19
28	25	



Tube OD mm	Hose ID mm	Compression
6	6	
8	8	
10	10	MB10-10BX
12	10	MB12-10BX
15	13	MB15-10BX
15	13	MB15-13BX
15	16	MB15-16BX
22	13	MB22-13BX
22	19	MB22-19BX
28	25	MB28-25BX



Tube OD mm	Hose ID mm	Iso Valve (Plumbing)
6	6	
8	8	
10	10	
12	10	
15	10	15MMIV
15	13	15MMIV-13
15	16	
22	13	22MMIV
22	19	
28	25	



Tube OD mm	Hose ID mm	Iso (Heating)
15	10	EUROVALV10
15	13	EUROVALV13



Tube OD mm	Hose ID mm	Elegant Push Fit
15	10	
15	13	HQE-SI-1513



Tube OD mm	Hose ID mm	Elegant Push Fit Elbow
15	10	
15	13	HQA-SI-1513



Tube OD mm	Hose ID mm	JG Speedfit Brass
10	10	NC979
12	13	NC990
15	10	
15	13	NC903
22	13	
22	19	



Tube OD mm	Hose ID mm	Tectite Brass
10	10	
12	10	
15	10	
15	13	TC40750
22	13	
22	19	TC40751



Tube OD mm	Hose ID mm	JG Speedfit Plastic
10	10	
12	10	
15	10	NC448-3/8
15	13	NC448
22	13	NC737
22	19	NC473



Tube OD mm	Hose ID mm	HQ-Black Plastic
15	10	QC159B
15	13	QC15125B
22	13	QC22125B
22	19	QC2220B



Tube OD mm	Hose ID mm	Elegant Iso Push Fit
15	10	
15	13	HQE-VI-1513
22	13	
22	19	



Tube OD mm	Hose ID mm	JG Speedfit Brass Iso
15	10	
15	13	15PHSV
22	13	
22	19	22PHSV



Tube OD mm	Hose ID mm	JG Speedfit Plastic Iso
15	10	NC448
15	13	
22	13	
22	19	



Tube OD mm	Hose ID mm	HQ-Black Plastic Iso
15	10	QC159VB
15	13	QC15125VB
22	13	QC22125VB
22	19	QC2220VB



Tube OD	Hose ID mm	Imperial Standpipe
3/16"	6	E3/16-20
1/4"	6	E1/4-20
5/16"	8	E5/16-20
3/8"	10	E3/8-20
1/2"	13	E1/2-20



Tube OD mm	BSP Thread	Brass Comp Stud
15	1/2"	CFM-15-12
15	3/4"	CFM-15-34
22	1/2"	CFM-22-12
22	3/4"	CFM-22-34
22	1"	CFM-22-1
28	3/4"	CFM-28-34
28	1"	CFM-28-1
35	1 1/4"	CFM-35-114
42	1 1/2"	CFM-42-112
54	2"	CFM-54-2



Parallel Thread	Taper Thread	Brass Adaptor
1/4"	1/4"	NSC1/4
3/8"	3/8"	NSC3/8
1/2"	1/2"	NSC1/2
3/4"	3/4"	NSC3/4
1"	1"	NSC1
1 1/4"	2 1/4"	
1 1/2"	2 1/2"	
1"	2"	



Parallel Thread	Taper Thread	Plated Steel Adaptor
1/4"	1/4"	1BP04T04
3/8"	3/8"	1BP06T06
1/2"	1/2"	1BP08T08
3/4"	3/4"	1BP12T12
1"	1"	1BP16T16
1 1/4"	2 1/4"	1BP20T20
1 1/2"	2 1/2"	1BP24T24
1"	2"	1BP32T32



Thread bsp	Hose ID mm	Iso Vale (Fem) (Plumbing)
1/2"	10	12BIV



Thread bsp	Hose ID mm	Plastic Female
3/4"	10	PFP3/4-10
3/4"	13	PFP3/4-13



Thread bsp	Hose ID mm	Plastic Female Elbow
3/4"	10	PFPN3/4-10
3/4"	13	PFPN3/4-13

TECTITE DISCONNECTING TOOL

Tube OD	Part No
15mm	DT-15
22mm	DT-22



GAS BAYONET

Tube ID	Part No
13mm - 1/2"	GASBODY

Supplied with ring and clip.





installation guide

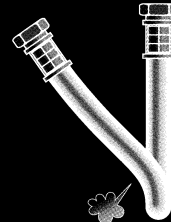
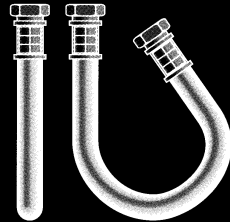
PREFERRED GEOMETRY AND MINIMUM BEND RADIUS

Good and bad installation geometry.

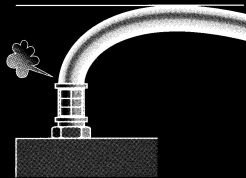
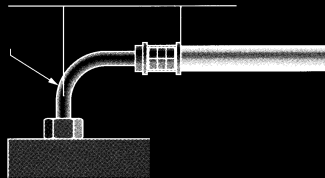
CORRECT

WRONG

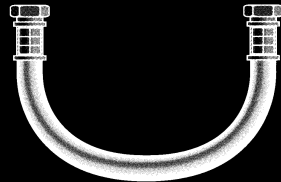
Slack is present on straight lengths, ends are aligned



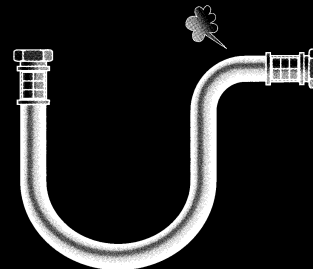
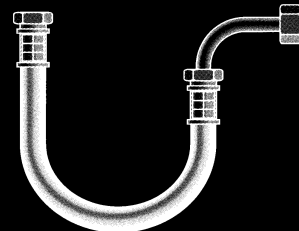
Avoid the bending radius becoming too small by using elbow fittings



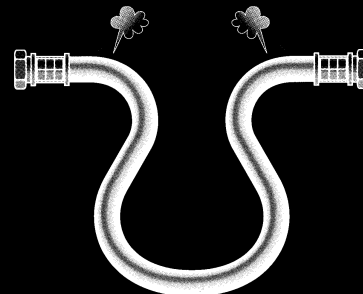
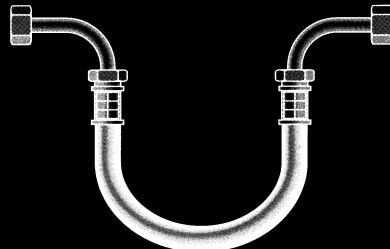
Hose is long enough to allow smooth curve



Don't bend hose too close to crimped end

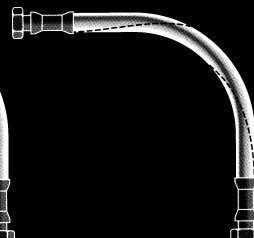
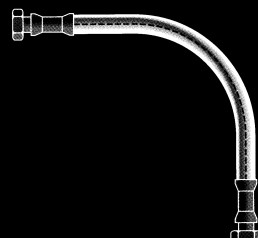


Observe minimum bend radii



AVOIDANCE OF TWIST AND STRETCH

Make sure hose is under no strain
Don't twist hose as this will shorten its life





ANGLE MEASUREMENT FOR HOSES WITH TWO ELBOW FITTINGS



Fitting 1 will always be held in the 0° - 12 o'clock position



Fitting 2 can be positioned at any angle starting from 0° - 12 o'clock position



Fitting 2 at 90° - 3 o'clock position



Fitting 2 at 180° - 6 o'clock position



Fitting 2 at 270° - 9 o'clock position

If both elbows are the same size, no additional information is required.

If elbows are different sizes, advise which is Fitting 1, in the vertical - 0° position

RESISTANCE AND COMPATIBILITY OF FLUIDS

Fluids	EPDM	NITRILE
Acetylene	A	A
Acetone	A	D
Acetic acid 10%	A	C
Carbon acid	D	B
Sulfuric acid 20%	A	D
Sea water	A	A
Water + glycol (max 25%)	A	C
Aniline	A	D
Barium chloride	A	B
Petrol	D	A
Unleaded fuel	D	A
Butane	D	A
Butane liquid	D	B
Calcium sulphate	D	B
Chlorine	C	C
Chloroform	D	C
Sodium chloride	A	A
Gas oil	D	A
Kerosene	D	A
Mercury	A	A
Methane	D	A
Methylethylketone	B	D
Naphtha	D	A
ASTM oil n. 1 to 100°C	D	A
ASTM oil n. 2 to 100°C	D	A
ASTM oil n. 3 to 100°C	D	A
Hydraulic oil (glycol basis)	D	A
Hydraulic oil (mineral oil basis)	D	A
Oxygen	A	B
Liquid propane	D	A
Sodium carbonate	A	A
Sodium chlorate	A	A
Sodium nitrate	A	C
Sodium sulphide	A	A
Toluene	D	B

A - Excellent resistance with no changes in characteristics.

B - Good resistance with acceptable changes in characteristics.

C - Poor resistance, the changes in characteristics must be carefully examined.

D - No resistance, characteristics are drastically and negatively changed.

MINIMUM HOSE LENGTHS

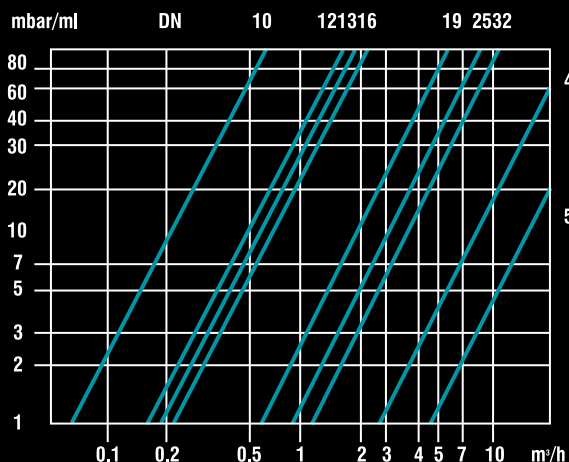
These are the minimum cut hose lengths required for assembly manufacture and applicable to the majority of fittings offered. Should a shorter assembly be required please contact the technical team.

Hose ID	Cut Length of Hose
6mm	80mm
8mm	80mm
10mm	150mm
13mm	150mm
16mm	150mm
19mm	180mm
25mm	180mm
32mm	230mm
40mm	250mm
50mm	250mm

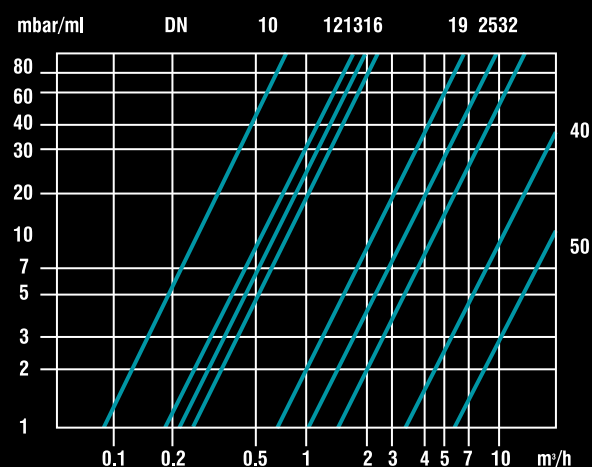


CALCULATION OF PRESSURE DROP ACCORDING TO THE INTERNAL DIAMETER OF THE HOSE AND FITTING PASSAGE

PRESSURE DROP (schedule 1)



PRESSURE DROP (schedule 2)



Calculation of pressure drop for a flexible hose (hose + fitting).

Formula: $P_c = (T \times L) + R$ (in mbar)

P_c = Pressure drop in mbar

T = Pressure drop in mbar for one meter of hose according to its flow capacity in m³/h (schedule 1)

L = Hose length in meter

R = Pressure drop in mbar caused by the two fittings (male or female), same condition than "T" (schedule 2)

Flexible hose with one straight and one elbow fitting = $R \times 1,5$

Flexible hose with two elbow fittings = $R \times 3$

Example:

Flexible hose DN 13 length 500 1 F - M, flow capacity 1000 l/h.

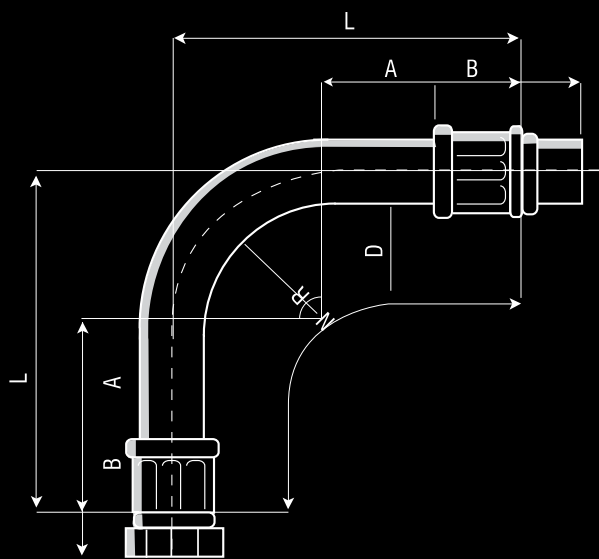
$P_c = (26 \text{ mbar/m} \times 0,5 \text{ m}) + 23 \text{ mbar} =$

Flexible hose DN 25 length 800 1 F - N, flow capacity 1500 l/h.

$P_c = (3 \text{ mbar/m} \times 0,8 \text{ m}) + (2,5 \text{ mbar} \times 1,5) =$

Note: "T" - value only valid for hoses installed straight. Installation with bend can cause pressure drop relative to decrease in bend radius.

CALCULATION OF MINIMUM BEND RADIUS FOR EPDM HOSES



CALCULATION OF NOMINAL AND MINIMUM LENGTH IN RELATION TO BEND RADIUS

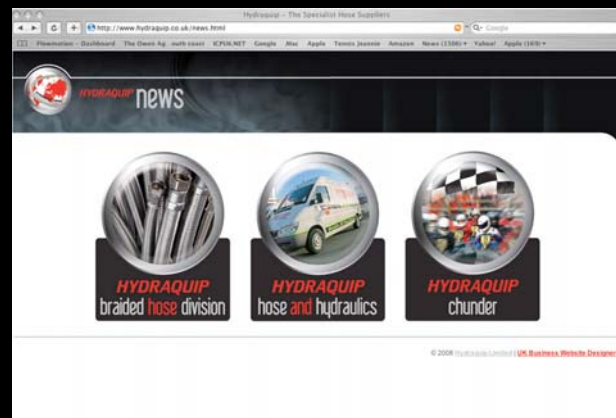
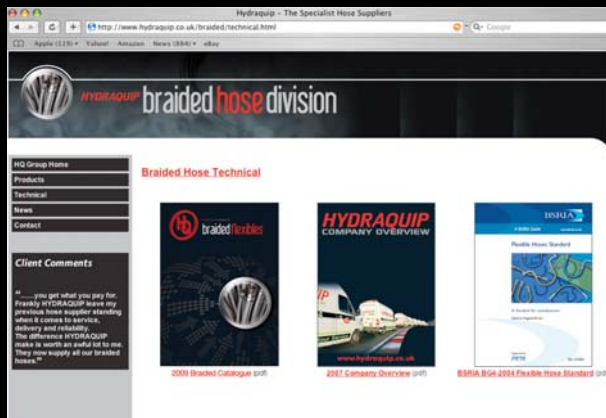
DN	D	R	A	B	L	Z/d90°	Z/d180°	Z/d360°
8	12	27	27	18	78	132	174	258
10	14	40	40	20	107	183	246	358
13	18	60	60	22	151	258	352	540
16	22	70	70	25	176	300	410	630
19	27	80	80	29	202	344	470	722
25	34	100	100	33	250	423	580	894
32	44	160	160	37	379	645	896	1398
40	54	180	180	50	437	743	1026	1592
50	64	230	230	56	548	933	1294	2016



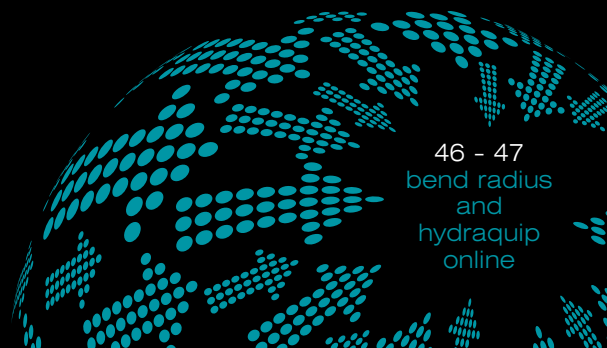
HYDRAQUIP's website has been improved and updated to show the company's growing range of products and services in each of its business divisions, namely HYDRAQUIP Braided Hose, HYDRAQUIP Hose & Hydraulics and HYDRAQUIP Tubes, Valves and Fittings.

Visitors to the site now have easier and quicker access to products, specifications and technical information.

The site can be viewed at
www.hydraquip.co.uk



The only difference between
a problem
and
a solution
is the people that understand the solution.





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