

FLOW CONTROL

PRODUCT CATALOGUE

THE SMARTER CHOICE.



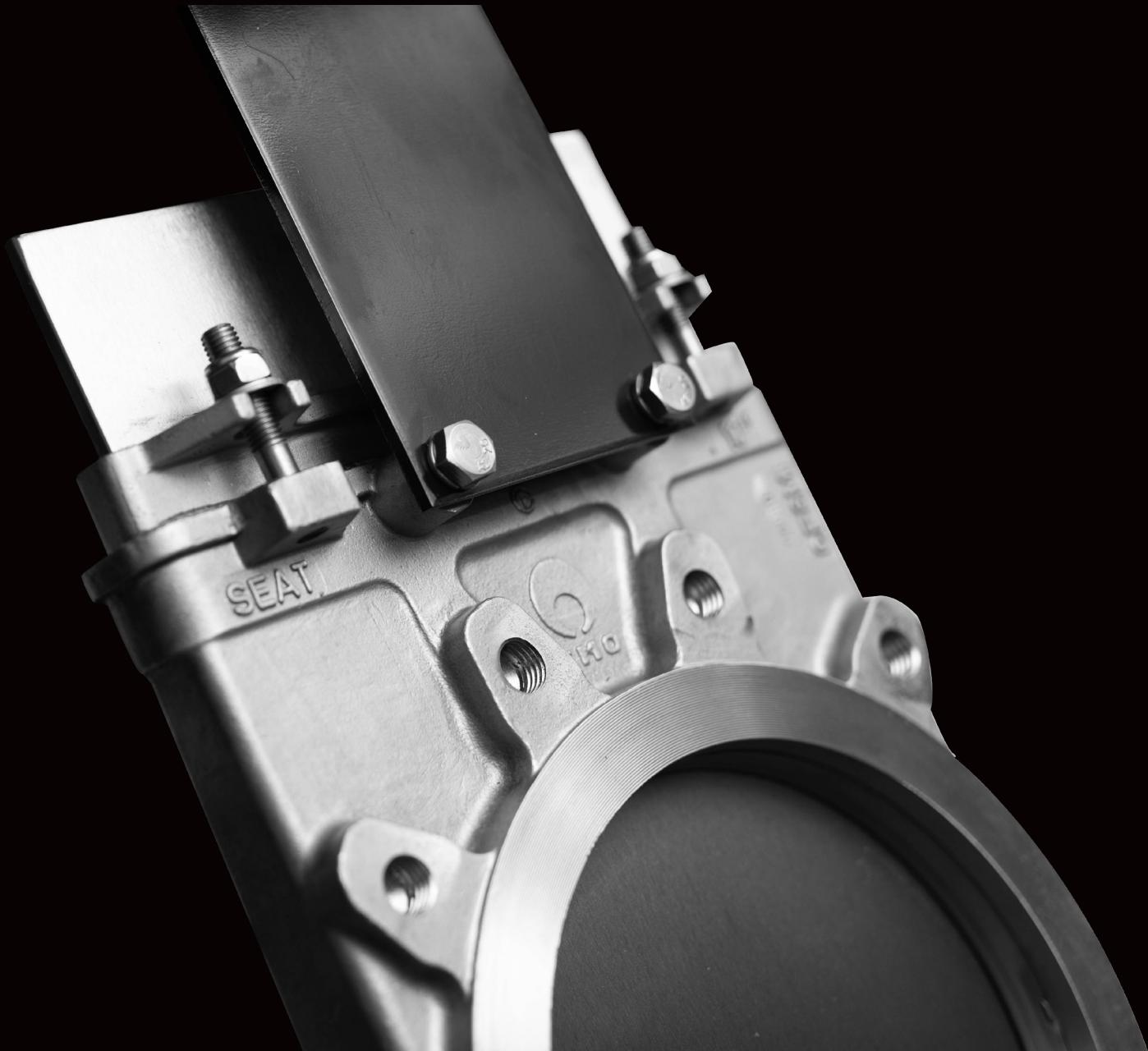
ASMUSS
STEEL & FLOW CONTROL



FLOW CONTROL

For the most up-to-date pricing and information, please Contact us on:

E flowcontrol@asmuss.co.nz



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PURE WATER



OUR STORY.

A successful New Zealand-owned business, Asmuss has been trusted to deliver for over 100 years.

Founded in 1920, the Asmuss Group has supplied product to many of New Zealand's biggest industrial and construction projects and is one of the largest privately owned companies in its field.

A focus on quality products, technical excellence and exceptional customer service has always been our cornerstone philosophy.

We believe business longevity is about having a true partnership with our valued suppliers and customers – to ultimately maintain consistency and quality, and succeed together.

ONE COMPANY, MANY SOLUTIONS.



Prior to 2020 Asmuss traded nationwide under four separate steel and flow control specialist brands.



To make it easier and more simple for our customers to get everything they need from one place, we've recently brought it all together within one company.



This means we will deliver a greater range of products and provide solutions faster

– but customers can be assured of continued availability to the specialist Asmuss teams they have come to know and trust.



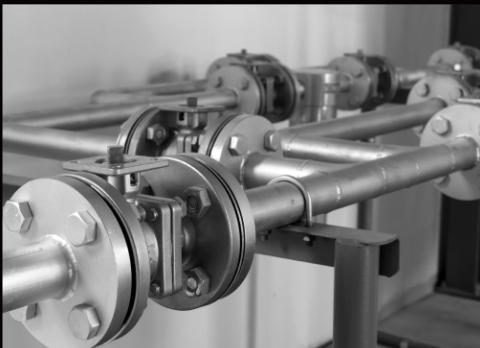
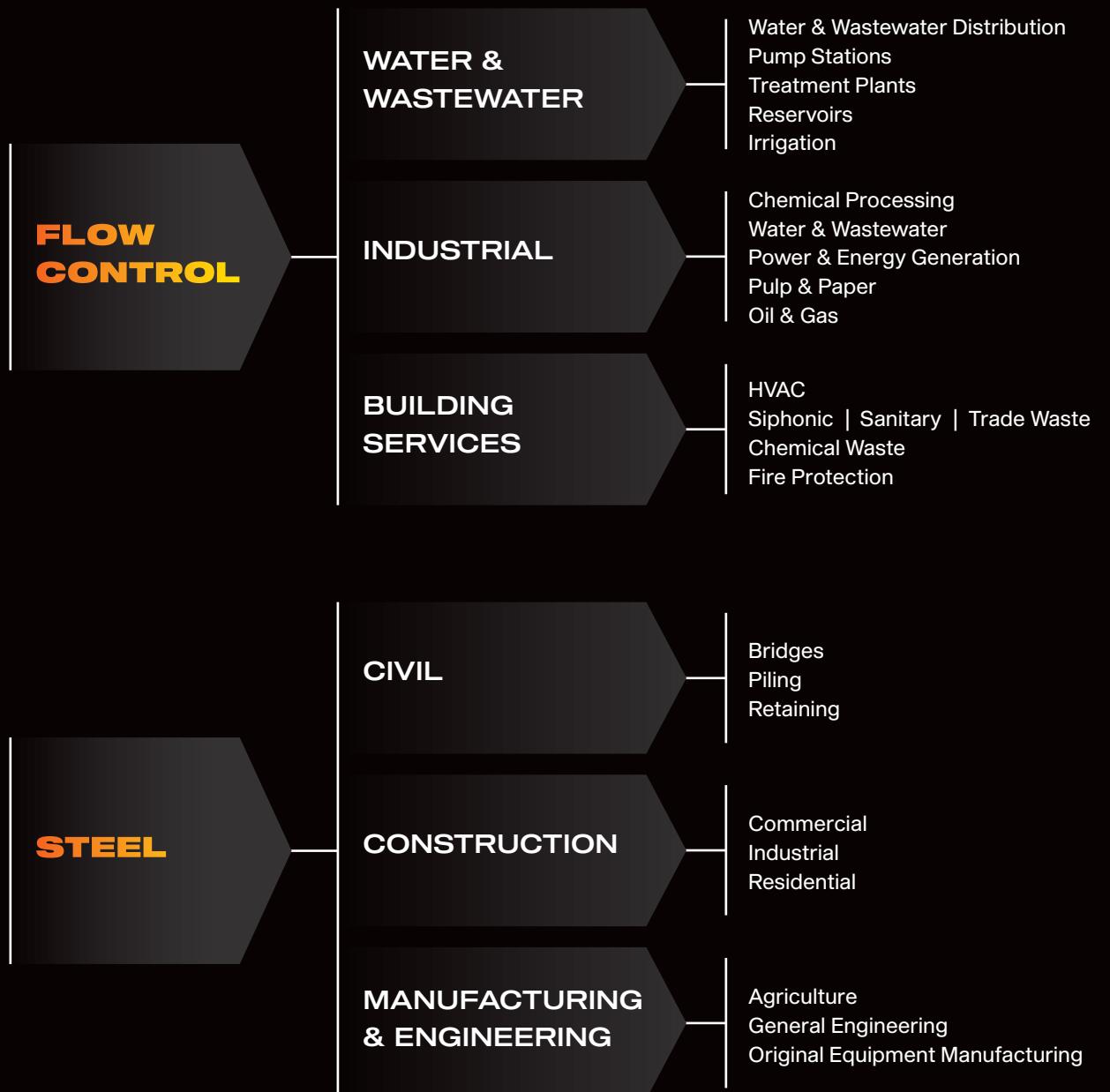
THE SMARTER CHOICE.

NATIONWIDE PRESENCE.

With branches strategically located throughout New Zealand, we provide an integrated approach by coordinating our resources across all sites to ensure our customers receive optimal product combinations, tailored to meet specific needs.



WHAT WE DO.





WHAT MAKES US DIFFERENT?

We are problem solvers – that's our core business – and we represent some of the world's best steel and flow control brands and products.

Even though our product range is extensive, what makes us different is our people.

We are responsive and easy to deal with; just ask our customers. We build long-term relationships and know our products better than any of our competitors.

By combining our broad product range with local knowledge we offer our clients comprehensive, tailored solutions.

We believe that promptly delivering quality makes infrastructure and construction in New Zealand stronger.

When our customers and suppliers succeed, we succeed.

We're focussed on creating a stronger New Zealand by helping our customers, communities & people to succeed.

THE SMARTER CHOICE.

FLOW CONTROL WATER & WASTEWATER.

Trenchless technologies and fusible piping systems are becoming mainstream in the civil infrastructure space. In response to that, we have increased our capability to sustainably manufacture and source large diameter HDPE pipes, fittings and the tooling required to install them.

Asmuss provides a comprehensive range of pipe, valve and flow control solutions for civil water and wastewater applications.

Our capability includes design and application advice, assembly, manufacture, fabrication, tools, and testing.

With the best brands in the world, largest stocks in

New Zealand, quality manufacturing and experienced people we have the solution for your application.

Asmuss offers polyethylene, steel, and ductile piping systems for distribution, networks, treatment plants, reservoirs and pump stations.





WATER & WASTEWATER DISTRIBUTION



PUMP STATIONS



TREATMENT PLANTS



RESERVOIRS



IRRIGATION



THE SMARTER CHOICE.

FLOW CONTROL INDUSTRIAL.

Chemical handling for industry is an area of expertise for Asmuss. The correct material selection and installation are critical for a successful system, as is having a comprehensive range of pipes, fittings, valving and instrumentation.

Asmuss offers a wide range of industrial plastic piping systems including ABS, PVC, CPVC, PP-H, PVDF and PFA which can be solvent welded, or fusion welded depending on the material and application.

Typical applications include cooling lines to manufacturing equipment, Brine / Glycol lines in food production, chemical conveying for CIP and chemical dosing for water treatment.

Potable water, and treatment for municipal swimming pools are vital., and industrial processes require de-ionised, de-mineralised or filtered water for many

applications. Clean feed water is required for Brine solutions, scrubbers, chemical production, or power generation amongst others.

Water purity is critical in applications such as medical dialysis, medicine production, semi-conductor production and laboratory water. Asmuss can provide systems that provide Type II or even Type I Ultra-pure water by using Infra-red or Bead and Crevice free welding.





CHEMICAL PROCESSING



WATER & WASTEWATER



**POWER & ENERGY
GENERATION**



PULP & PAPER



OIL & GAS



THE SMARTER CHOICE.

FLOW CONTROL BUILDING SERVICES.

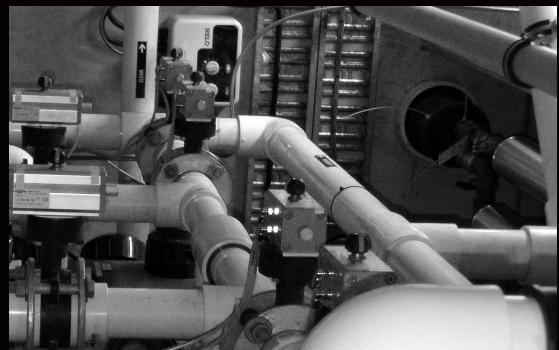
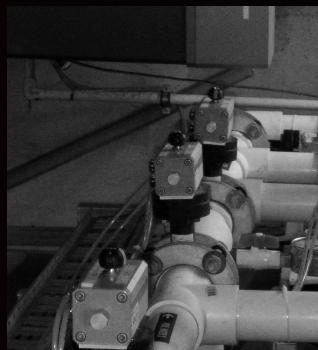
Designers are pushing boundaries with modern multifunctional buildings with striking aesthetics which challenge traditional hydraulic methods for down pipes and stacked drainage systems serving a multitude of uses. Internal cavities for services are squeezed as developers demand more available space.

Siphonic roof drainage systems and Sovent/Super Tube stacks allow more freedom and flexibility for hydraulic and mechanical designers to meet the needs of developers. Sound attenuated drainage and greasy waste also need consideration when designing multifunctional buildings.

Asmuss can offer both plastic and metal piping solutions for the fire protection, chilled water, compressed air and HVAC applications. Our technical sales team can assist with any enquires you may have.

High purity water systems are required for numerous applications in Health and Science facilities. These can range from boiler feeds, analyser equipment through to laboratories and the preparation of reagents.

Each application has its own set of requirements involving the chemistry of the water and the microbiological conditions that need to be upheld. Our Vulcathene PP chemical waste systems are used in manufacturing, laboratories and laundries.





HVAC



SIPHONIC, SANITARY
& TRADE WASTE



CHEMICAL WASTE



FIRE PROTECTION



PURE WATER



THE SMARTER CHOICE.

THE SMARTER CHOICE.

IMPERIAL ABS

THEMOPLASTIC PIPEWORK SYSTEMS

ABS (Acrylonitrile Butadiene Styrene) pipework has been formulated to optimise performance in respect of tensile strength and ductility. The benefits of ABS piping systems, can make it the first choice for some demanding fluid handling applications.

Benefits

Impact Strength: Maintains excellent impact resistance down to -40°C.

Tough: Ductile material with excellent resistance against fatigue, notching effects and crack growth.

Abrasion Resistance: Excellent wear properties for a wide range of slurries

Light Weight: Approximately 1/6th the weight of the equivalent steel pipes allowing for a quick and simple installation.

Environmental Advantage: ABS is Lead and Chlorine Free and is easily recycled.

Exceptionally Smooth Bore: Low friction allows high flow velocities and inhibits the formation of scale.

Weather Resistance: Does not corrode in weather and is resistant to sunlight so does not always require painting or wrapping.

Applications

Mechanical Services: Condensor Lines, Chilled Water Lines, Cooling Tower Pipework, Potable Water, Sewer Vent and Waste, Swimming Pools, Water Features.

Mining and Mineral Processing: Slurry Lines, Borefields, Electrolyte, Process Water, Chemical Handling.

Water and Wastewater Infrastructure: Water and Wastewater Treatment, Process Lines, Grit lines, Aeration Tanks, Borefields and Irrigation Schemes, Trunk Mains, Treated Effluent Re-Use, Potable Water Distribution, Rising Mains, Sewerage Treatment

Industrial and Power Generation: Process Water, Cooling Water, Demineralised Water, Ash Slurry Disposal.

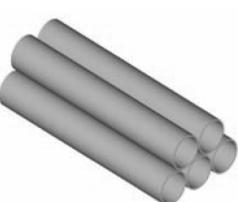
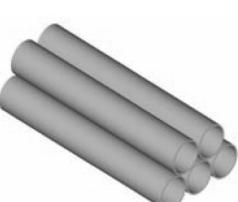
Infrastructure: Potable Water Distribution, Property Services, Buried Fire mains, Rising Mains.

Please refer to technical notes for insulation materials, the use of thread seal compounds and other installation requirements.

The ABS Pipe System

Asmuss offer ABS pipe in 6, 9, 12 and 15 bar pressure rating, although offerings are limited in some sizes. Fittings are designed to be used with all classes and pressures of pipe and are joined using a solvent cement technique. Threaded, flanged and shouldered end connections are also available when joining to different pipe materials, pumps or valves.

For installation or technical queries on ABS please contact our sales team.

ABS PIPE					
	Code	NB (mm)		Code	NB (mm)
Class C, PN9 Pipe	PABSC/025	25	PN10 Pipe	PABSC10/065	65
	PABSC/032	32			
	PABSC/040	40			
	PABSC/050	50			
	PABSC/080	80			
	PABSC/100	100			
	PABSC/150	150			
	PABSC/200	200			
	PABSC/225	225			
	PABSC/300	300			
Class D, PN12 Pipe	PABSC/350	350	Class E, PN15 Pipe	PABSE/015	15
	PABSC/375	375		PABSE/020	20
	PABSD/050	50		PABSE/025	25
	PABSD/065	65		PABSE/032	32
	PABSD/080	80		PABSE/040	40
	PABSD/100	100		PABSE/050	50
	PABSD/150	150		PABSE/065	65
				PABSE/080	80
				PABSE/100	100
				PABSE/125	125
				PABSE/150	150
				PABSE/200	200
				PABSE/225	225
				PABSE/300	300

*Note: PN Ratings for fittings vary, however the majority of fittings larger than 150mm are rated from PN12-PN9.
Please contact our sales team if you need clarification.*

THE SMARTER CHOICE.

IMPERIAL ABS

THEMOPLASTIC PIPEWORK SYSTEMS

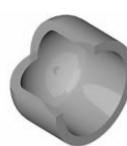
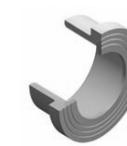
ABS PRESSURE PIPE FITTINGS

	FABS Code	NB (mm)		FABS Code	NB (mm)
Tee	TEE/015	15	Bend 90°, Socket End	BE90M/015	15
	TEE/020	20		BE90M/020	20
	TEE/025	25		BE90M/025	25
	TEE/032	32		BE90M/032	32
	TEE/040	40		BE90M/040	40
	TEE/050	50		BE90M/050	50
	TEE/065	65		BE90M/065	65
	TEE/080	80		BE90M/080	80
	TEE/100	100		BE90M/100	100
	TEE/125	125	Reducing Socket	RSO/020x015	20x15
	TEE/150	150		RSO/025x020	25x20
	TEE/200	200		RSO/032x025	32x25
	TEE/225	225		RSO/040x025	40x25
	TEE/250	250		RSO/050x040	50x40
	TEE/300	300		RSO/080x050	80x50
	TEE/315	315		RSO/100x080	100x80
	TEE/350	350		RSO/150x100	150x100
	TEE/375	375		RSO/200x150	200x150
Elbow 90°	EL90/015	15	Reducing Bush Plain	RBP/020x015	20x15
	EL90/020	20		RBP/025x015	25x15
	EL90/025	25		RBP/025x020	25x20
	EL90/032	32		RBP/032x015	32x15
	EL90/040	40		RBP/032x020	32x20
	EL90/050	50		RBP/032x025	32x25
	EL90/065	65		RBP/040x015	40x15
	EL90/080	80		RBP/040x020	40x20
	EL90/100	100		RBP/040x025	40x25
	EL90/125	125		RBP/040x032	40x32
	EL90/150	150		RBP/050x025	50x25
	EL90/200	200		RBP/050x032	50x32
	EL90/225	225		RBP/050x040	50x40
	EL90/300	300		RBP/065x050	65x50
	EL90/350	350		RBP/080x040	80x40
	EL90/375	375		RBP/080x050	80x50
Elbow 45°	EL45/015	15		RBP/080x065	80x65
	EL45/020	20		RBP/100x050	100x50
	EL45/025	25		RBP/100x080	100x80
	EL45/032	32		RBP/125x100	125x100
	EL45/040	40		RBP/150x100	150x100
	EL45/050	50		RBP/150x125	150x125
	EL45/065	65		RBP/200x150	200x150
	EL45/080	80		RBP/225x200	225x200
	EL45/100	100		RBP/300x225	300x225
	EL45/125	125		RBP/350x300	350x300
	EL45/150	150		RBP/375x350	375x350
	EL45/200	200	Socket Plain/Threaded	SOPT/015	15x½"
	EL45/225	225		SOPT/020	20x¾"
	EL45/300	300		SOPT/025	25x1"
	EL45/350	350		SOPT/032	32x1¼"
	EL45/375	375		SOPT/040	40x1½"
Elbow 90° Plain/Threaded	EL90PT/015	15x½"		SOPT/050	50x2"
	EL90PT/020	20x¾"			
	EL90PT/025	25x1"			
			Socket Plain/Threaded with SS Band	SOPTSB/015	15x½"
				SOPTSB/020	20x¾"
				SOPTSB/025	25x1"
				SOPTSB/032	32x1¼"
				SOPTSB/040	40x1½"
				SOPTSB/050	50x2"

IMPERIAL ABS

THEMOPLASTIC PIPEWORK SYSTEMS

ABS PRESSURE PIPE FITTINGS

	FABS Code	NB (mm)		FABS Code	NB (mm)
Socket Plain 	SOP/015 SOP/020 SOP/025 SOP/032 SOP/040 SOP/050 SOP/065 SOP/080 SOP/100 SOP/125 SOP/150 SOP/200 SOP/225 SOP/250 SOP/300 SOP/350 SOP/375	15 20 25 32 40 50 65 80 100 125 150 200 225 250 300 350 375	Cap, Plain 	CAPPL/015 CAPPL/020 CAPPL/025 CAPPL/032 CAPPL/040 CAPPL/050 CAPPL/065 CAPPL/080 CAPPL/100 CAPPL/150	15 20 25 32 40 50 65 80 100 150
Wye Piece Female 	WYE/015 WYE/020 WYE/025 WYE/032 WYE/040 WYE/050 WYE/065	15 20 25 32 40 50 65	Plug 	PLUG/015 PLUG/020 PLUG/025 PLUG/032 PLUG/040 PLUG/050	15 20 25 32 40 50
Male Composite Union 	MCU/015 MCU/020 MCU/025 MCU/032 MCU/040 MCU/050	15x½" 20x¾" 25x1" 32x1¼" 40x1½" 50x2"	Socket Union 	SOUN/015 SOUN/020 SOUN/025 SOUN/032 SOUN/040 SOUN/050 SOUN/065 SOUN/080 SOUN/100	15 20 25 32 40 50 65 80 100
Female Composite Union 	FCU/015 FCU/020 FCU/025 FCU/032 FCU/040 FCU/050	15x½" 20x¾" 25x1" 32x1¼" 40x1½" 50x2"	Hexagon Nipple, Plain/Threaded 	NIPT/015 NIPT/020 NIPT/025 NIPT/032 NIPT/040 NIPT/050	15x½" 20x¾" 25x1" 32x1¼" 40x1½" 50x2"
Female Adaptor 	FMADPT/015 FMADPT/020 FMADPT/025 FMADPT/032 FMADPT/040 FMADPT/050	15x½" 20x¾" 25x1" 32x1¼" 40x1½" 50x2"	Hexagon Nipple, Threaded 	NITHD/015 NITHD/020 NITHD/025 NITHD/032 NITHD/040 NITHD/050	½"x½" ¾"x¾" 1"x1" 1¼"x1¼" 1½"x1½" 2"x2"
Male Adaptor 	MADPT/015 MADPT/020 MADPT/025 MADPT/032 MADPT/040 MADPT/050 MADPT/080 MADPT/100	15x½" 20x¾" 25x1" 32x1¼" 40x1½" 50x2" 80x3" 100x4"	Barrel Nipple 	BNIPT/080 BNIPT/100	80 100
			Hose Tails & Barbs 	HOADPT/015 HOADPT/020 HOADPT/025	15 20 25
			Stub Flange 	FLSTUB/050 FLSTUB/065 FLSTUB/080 FLSTUB/100 FLSTUB/125 FLSTUB/150 FLSTUB/200 FLSTUB/225 FLSTUB/300 FLSTUB/350 FLSTUB/375	50 65 80 100 125 150 200 225 300 350 375

THE SMARTER CHOICE.

IMPERIAL ABS

THEMOPLASTIC PIPEWORK SYSTEMS

ABS PRESSURE PIPE FITTINGS

	FABS Code	NB (mm)		FABS Code	NB (mm)
Full Face Flange Undrilled	FLFFUD/015	15	Full Face Flange Drilled ANSI 150	FLFF150/015	15
	FLFFUD/020	20		FLFF150/020	20
	FLFFUD/025	25		FLFF150/025	25
	FLFFUD/032	32		FLFF150/032	32
	FLFFUD/040	40		FLFF150/040	40
	FLFFUD/050	50		FLFF150/050	50
	FLFFUD/080	80		FLFF150/080	80
	FLFFUD/100	100		FLFF150/100	100
	FLFFUD/150	150		FLFF150/150	150
Full Face Flange Drilled Table D/E	FLFFTE/015	15			
	FLFFTE/020	20			
	FLFFTE/025	25			
	FLFFTE/032	32			
	FLFFTE/040	40			
	FLFFTE/050	50			
	FLFFTE/080	80			
	FLFFTE/100	100			
	FLFFTE/150	150			

ABS PRESSURE BACKING RINGS

	FABS Code	NB (mm)
Galv Backing Ring, Table E	BRGTE/050	50
	BRGTE/065	65
	BRGTE/080	80
	BRGTE/100	100
	BRGTE/125	125
	BRGTE/150	150
	BRGTE/200	200
	BRGTE/300	300
Galv Backing Ring, ANSI 150	BRG150/050	50
	BRG150/065	65
	BRG150/080	80
	BRG150/100	100
	BRG150/150	150
	BRG150/200	200
Galv Backing Ring, BS4504 PN16	BRG4504/050	50
	BRG4504/065	65
	BRG4504/080	80
	BRG4504/100	100
	BRG4504/150	150
	BRG4504/200	200
SS 316 Backing Ring, Table E	BRSSTE/050	50
	BRSSTE/080	80
	BRSSTE/100	100
	BRSSTE/150	150

ABS ACCESSORIES

	FABS Code	Size
ABS Solvent Cement	CEMENT250	250ml
	CEMENT500	500ml
	CEMENT1LT	1 Litre
	CEMENT4LT	4 Litre
Pipe Clips	167061086	15
	167061087	20
	167061088	25
	167061089	32
	167061090	40
	167061091	50
	167061012	65
	167061013	80
	167061114	100
MEK Primer	MEK500	500ml
	MEK1LT	1 Litre
	MEK5LT	5 Litre
Double Bolt Clips	FPCI/080	80
	FPCI/100	100
	FPCM/140	125
	FPCM/150	150
	FPCM/225	200
	FPCM/250	225
	FPCM/315	300
	FPCM/355	350
	FPCM/400	375
Saddle Clips	PCSA/015	15
	PCSA/020	20
	PCSA/025	25
	PCSA/032	32
	PCSA/040	40
	PCSA/050	50
	PCSA/080	80
	PCSA/100	100

+GF+ ABS METRIC

PIPING SYSTEMS

ABS (Acrylonitrile Butadiene Styrene) is a homogeneous material with high impact strength and ductility, good chemical resistance, good resistance to environmental stress cracking and excellent resistance to crack propagation. Other advantages are its suitability for use at low temperatures [-40°C], it is recyclable and is non-toxic, and can be regarded as biologically inert.

Advantages

- Economical material costs
- Quick and easy to joint requiring practically no investment and minimal training
- Smooth inner bore reduces pressure losses to a minimum and can reduce the size of piping required in comparison with other less efficient systems [e.g., metal generally]
- Its light weight reduces transport costs and enables quick, easy handling on site
- A low thermal conductivity, approx. 2000 times lower than copper, optimizes your piping system reducing to a minimum energy loss and reducing or often eliminating the need for insulation
- No corrosion
- Reduced maintenance costs



Germanischer Lloyd

Standards & Approvals

George Fischer metric fittings in ABS are generally in accordance with DIN 8063 and the pipe with DIN 16890/16891.

Georg Fischer ABS has a whole range of marine approvals from all the major classification societies, namely Germanischer Lloyd, Lloyds Register, Det Norske Veritas, American Bureau of Shipping, Bureau Veritas, Rina etc.

Temperature and Pressure

The permissible working temperature range for an ABS pipe system is from -40°C to +60°C.

The pressure ratings for ABS pipe, fittings and valves are as follows:

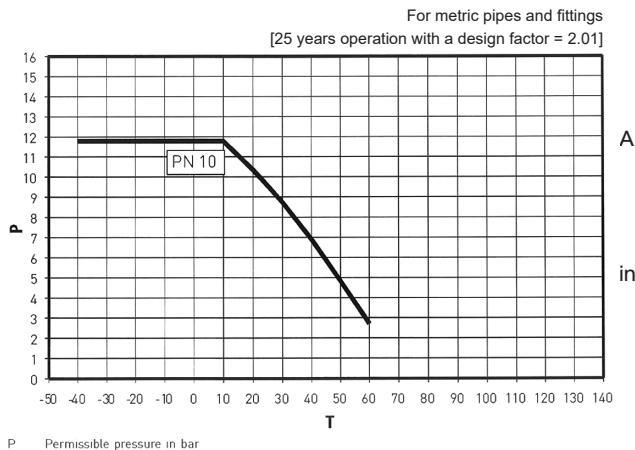
Metric

- Pipe 10 bar [PN 10 or 145 lbf/in²]
 Fittings 16-225 mm 10 bar [PN 10 or 145 lbf/in²]
 Valves 10 bar [PN 10 or 145 lbf/in²]

Pressure ratings for thermoplastic pipework are always quoted at 20°C. It can be used at higher temperatures, but it is a fundamental principle in thermoplastic pipework that if the temperature is increased then the pressure rating must be reduced. Reduction factors can apply when using media other than water. Please consult our technical advisory service.

The table to the left shows, for an ABS pipe system, the maximum permissible pressures at various temperatures up to the maximum of 60°C. The table is based on an ambient temperature of 20°C with water as the medium. design factor of 2.0 is incorporated into all calculations with a life span of 25 years.

According to the 10° line in the hydrostatic strength curve for ABS a permissible pressure of 12 bar the temperature range of -40° to +10°C for the PN 10 system can be applied.



Related Documents

- Pipe Clips, Backing Rings and Dressing Sets

ABS METRIC PIPE					
	Code	Size OD (mm)	PN (bar)	Min Wall Thickness (mm)	Nom Weight (Kg/m)
Pipe	169017080	16	16	1.8	0.095
	169017081	20	16	2.3	0.152
	169017082	25	16	2.3	0.193
	169017083	32	10	1.9	0.212
	169017084	40	10	2.4	0.334
	169017085	50	10	3	0.523
	169017086	63	10	3.8	0.834
	169017087	75	10	4.5	1.176
	169017088	90	10	5.4	1.693
5 Metre Lengths	169017089	110	10	6.6	2.529



THE SMARTER CHOICE.

+GF+ ABS METRIC

PIPING SYSTEMS

ABS METRIC FITTINGS

	Code	OD (mm)	PN (bar)			Code	OD (mm)	PN (bar)
Bend 90° 	729000106	20	16		Tee 90° 	729200105	16	16
	729000107	25	16			729200106	20	16
	729000108	32	10			729200107	25	16
	729000109	40	10			729200108	32	10
	729000110	50	10			729200109	40	10
	729000111	63	10			729200110	50	10
	729000112	75	10			729200111	63	10
	729000113	90	10			729200112	75	10
	729000114	110	10			729200113	90	10
						729200114	110	10
Elbow 90° 	729100105	16	16		Reducing Tee 	729200134	25x20	16
	729100106	20	16			729200138	32x25	10
	729100107	25	16			729200151	40x25	10
	729100108	32	10			729200147	40x32	10
	729100109	40	10			729200164	50x32	10
	729100110	50	10			729200178	63x32	10
	729100111	63	10			729200170	63x50	10
	729100112	75	10			729200182	75x40	10
	729100113	90	10			729200143	90x32	10
	729100114	110	10			729200146	90x63	10
Elbow 45° 	729150106	20	16			729200144	110x32	10
	729150107	25	16			729200136	110x50	10
	729150108	32	16					
	729150109	40	10					
	729150110	50	10					
	729150111	63	10					
	729150112	75	10					
	729150113	90	10					
	729150114	110	10					
Socket 	729910105	16	16		Tee 45° 	729250106	20	10
	729910106	20	16			729250107	25	10
	729910107	25	16			729250108	32	10
	729910108	32	10			729250109	40	10
	729910109	40	10			729250110	50	10
	729910110	50	10			729250111	63	10
	729910111	63	10			729250112	75	6
	729910112	75	10			729250113	90	6
	729910113	90	10			729250114	110	6
	729910114	110	10					
Cap 	729960105	16	16		Reducing Bush 	729900334	20x16	16
	729960106	20	16			729900337	25x20	16
	729960107	25	16			729900342	32x20	10
	729960108	32	10			729900341	32x25	10
	729960109	40	10			729900348	40x20	10
	729960110	50	10			729900347	40x25	10
	729960111	63	10			729900346	40x32	10
	729960112	75	10			729900355	50x20	10
	729960113	90	10			729900354	50x25	10
	729960114	110	10			729900353	50x32	10
Adaptor Barrel Nipple 	729911505	3/8"	10			729900352	50x40	10
	729911506	1/2"	10			729900360	63x32	10
	729911507	3/4"	10			729900359	63x40	10
	729911508	1"	10			729900358	63x50	10
	729911509	1 1/4"	10			729900365	75x50	10
	729911510	1 1/2"	10			729900364	75x63	10
	729911511	2"	10			729900372	90x50	10
	729911513	3"	10			729900371	90x63	10
	729911515	4"	10			729900370	90x75	10
						729900378	110x63	10
						729900376	110x90	10

+GF+ ABS METRIC

PIPING SYSTEMS

ABS METRIC FITTINGS

	Code	OD (mm)	PN (bar)			Code	OD (mm)	PN (bar)
Adaptor Reducing Bush	729910434	20x $\frac{3}{8}$ "	10		Flange Adaptor ABS Metric	729790106	20	10
	729910437	25x $\frac{1}{2}$ "	10			729790107	25	10
	729910441	32x $\frac{3}{8}$ "	10			729790108	32	10
	729910446	40x1"	10			729790109	40	10
	729910452	50x $\frac{1}{4}$ "	10			729790110	50	10
	729910458	63x $\frac{1}{2}$ "	10			729790111	63	10
Socket Union	729510105	16	10			729790112	75	10
	729510106	20	10			729790113	90	10
	729510107	25	10			729790114	110	10
	729510108	32	10		Adaptor Elbow 90°	729100206	20x $\frac{1}{2}$ "	10
	729510109	40	10			729100207	25x $\frac{3}{4}$ "	10
	729510110	50	10			729100208	32x1"	10
	729510111	63	10			729100209	40x1 $\frac{1}{4}$ "	10
	729510112	75	10			729100210	50x1 $\frac{1}{2}$ "	10
	729510113	90	10			729100211	63x2"	10
	729510114	110	10		Adaptor Socket	729910206	20x $\frac{1}{2}$ "	10
Adaptor Union, Female, ABS/St.Steel	729540205	16x $\frac{3}{8}$ "	10			729910207	25x $\frac{3}{4}$ "	10
	729540206	20x $\frac{1}{2}$ "	10			729910208	32x1"	10
	729540207	25x $\frac{3}{8}$ "	10			729910209	40x1 $\frac{1}{4}$ "	10
	729540208	32x1"	10			729910210	50x1 $\frac{1}{2}$ "	10
	729540209	40x1 $\frac{1}{4}$ "	10			729910211	63x2"	10
	729540210	50x1 $\frac{1}{2}$ "	10		Female Adaptor	729900406	20x $\frac{1}{2}$ "	10
	729540211	63x2"	10			729900407	25x $\frac{3}{4}$ "	10
Adaptor Union, Male, ABS/St.Steel	729540705	16x $\frac{3}{8}$ "	10			729900408	32x1"	10
	729540706	20x $\frac{1}{2}$ "	10			729900409	40x1 $\frac{1}{4}$ "	10
	729540707	25x $\frac{3}{8}$ "	10			729900410	50x1 $\frac{1}{2}$ "	10
	729540708	32x1"	10			729900411	63x2"	10
	729540709	40x1 $\frac{1}{4}$ "	10		Male Adaptor, Spigot	729910505	16x $\frac{3}{8}$ "	10
	729540710	50x1 $\frac{1}{2}$ "	10					
	729540711	63x2"	10					
Hose Connector	729960405	16	10					
	729960406	20	10					
	729960407	25	10					
	729960408	32	10					

ABS METRIC ACCESSORIES

	Code	Size OD (mm)			Code	Size
Pipe Clips	167061035	16		ABS Solvent Cement	CEMENT250	250ml
	167061036	20			CEMENT500	500ml
	167061037	25			CEMENT1LT	1 Litre
	167061038	32			CEMENT4LT	4 Litre
	167061039	40		MEK Primer	MEK250	250ml
	167061040	50			MEK1LT	1 Litre
	167061041	63			MEK5LT	5 Litre
	167061042	75				
	167061043	90				
	167061044	110				

Refer to the Pipe Clips, Dressing Sets and Backing Rings product list for a full range of accessories



THE SMARTER CHOICE.

+GF+ SCHEDULE 80 PVC

HI-STRENGTH INDUSTRIAL PIPING SYSTEM

Asmuss' PVC Schedule 80 Piping system is truly an industrial product.

Often referred to as 'Hi Strength' PVC, its industrial grade wall thickness and excellent chemical resistance, make it ideally suited for industrial process applications where system integrity is vital. Schedule 80 is a complete system with valving and instrumentation components available.

Chemical Resistance

PVC Schedule 80 offers excellent resistance to most acids and alkalis.

For specific recommendations please contact our sales team.

For central foaming systems please refer to the our technical paper listed below.

Solvent Cement Jointing

The Installation of PVC Schedule 80 pipework should only be undertaken by suitably qualified and experienced persons.

Please contact our sales team for appropriate training.

Asmuss recommend the use of IPS-724 solvent cement when jointing PVC Schedule 80.

This has been specifically developed for use with PVC Schedule 80 in chemical applications.

Standards

PVC Schedule 80 was initially developed for the American market and as such is made to the relevant ASTM Standards.

Flanges are drilled to the ANSI 150 pattern and threaded fittings are NPT.

Please note that this is different to the Table D/E flanges and BSP threads common to New Zealand.

A limited range of threaded BSP fittings are included in the range to assist transitions in New Zealand.

These fittings are not of Schedule 80, but are of industrial grade PVC.

Related Documents:

- Asmuss Technical Paper For Central Foaming Systems
- Asmuss Installation Guide

PVC HI-STRENGTH SCHEDULE 80 PIPE - PLAIN ENDS

	Code	Size (NB) mm	Size (NB) inch	OD mm	Avg ID mm	Min Wall Thickness (mm)	Nom Weight (Kg/m)
	PPVC80/008	8	1/4	13.7	7.2	3	0.15
	PPVC80/010	10	5/16	17.1	10.2	3.2	0.2
	PPVC80/015	15	1/2	21.3	13.4	3.7	0.31
	PPVC80/020	20	5/8	26.7	18.3	3.9	0.41
	PPVC80/025	25	1	33.4	23.7	4.5	0.61
	PPVC80/032	32	1 1/4	42.2	31.9	4.9	0.84
	PPVC80/040	40	1 1/2	48.3	37.5	5.1	1.02
	PPVC80/050	50	2	60.3	48.6	5.5	1.46
	PPVC80/065	65	2 1/2	73	58.2	7	2.15
	PPVC80/080	80	3	88.9	72.7	7.6	2.88
	PPVC80/100	100	4	114.3	96.2	8.6	4.21
	PPVC80/125	125	5	141.3	121.11	9.5	6.16
	PPVC80/150	150	6	168.3	144.8	11	8.04
	PPVC80/200	200	8	219.1	192.2	12.7	12.68
	PPVC80/250	250	10	273.05	241.12	15.06	18.80
	PPVC80/300	300	12	323.85	286.87	17.44	25.87

15 - 200mm pipe is also available in 1 metre sections - POA

Please refer our Pipe Clips price list for imperial pipe clips.

+GF+ SCHEDULE 80 PVC

HI-STRENGTH INDUSTRIAL PIPING SYSTEM

PVC SCH80 90° ELBOWS

	Code	Size (NB)
Elbow 90° (806)	FPVCEL90/008	8mm $\frac{1}{4}$ "
	FPVCEL90/010	10mm $\frac{3}{8}$ "
	FPVCEL90/015	15mm $\frac{1}{2}$ "
	FPVCEL90/020	20mm $\frac{3}{4}$ "
	FPVCEL90/025	25mm 1"
	FPVCEL90/032	32mm $1\frac{1}{4}$ "
	FPVCEL90/040	40mm $1\frac{1}{2}$ "
	FPVCEL90/050	50mm 2"
	FPVCEL90/065	65mm $2\frac{1}{2}$ "
	FPVCEL90/080	80mm 3"
	FPVCEL90/100	100mm 4"
	FPVCEL90/150	150mm 6"
	FPVCEL90/200	200mm 8"
	FPVCEL90/250	250mm 10"
	FPVCEL90/300	300mm 12"

PVC SCH80 45° ELBOWS

	Code	Size (NB)
Elbow 45° (817)	FPVCEL45/008	8mm $\frac{1}{4}$ "
	FPVCEL45/010	10mm $\frac{3}{8}$ "
	FPVCEL45/015	15mm $\frac{1}{2}$ "
	FPVCEL45/020	20mm $\frac{3}{4}$ "
	FPVCEL45/025	25mm 1"
	FPVCEL45/032	32mm $1\frac{1}{4}$ "
	FPVCEL45/040	40mm $1\frac{1}{2}$ "
	FPVCEL45/050	50mm 2"
	FPVCEL45/065	65mm $2\frac{1}{2}$ "
	FPVCEL45/080	80mm 3"
	FPVCEL45/100	100mm 4"
	FPVCEL45/150	150mm 6"
	FPVCEL45/200	200mm 8"
	FPVCEL45/250	250mm 10"
	FPVCEL45/300	300mm 12"

PVC SCH80 90° BENDS

	Code	Size (NB)
Sweep Bend 90° Plain	FPVCBE90/015	15mm $\frac{1}{2}$ "
	FPVCBE90/020	20mm $\frac{3}{4}$ "
	FPVCBE90/025	25mm 1"
	FPVCBE90/032	32mm $1\frac{1}{4}$ "
	FPVCBE90/040	40mm $1\frac{1}{2}$ "
	FPVCBE90/050	50mm 2"
	FPVCBE90/065	65mm $2\frac{1}{2}$ "
	FPVCBE90/080	80mm 3"
	FPVCBE90/100	100mm 4"
	FPVCBE90/150	150mm 6"

PVC 90° SWEPT BENDS

	Code	Size (NB)
Sweep Bend 90° Moulded Plain	FPVCBE90M/015	15mm $\frac{1}{2}$ "
	FPVCBE90M/020	20mm $\frac{3}{4}$ "
	FPVCBE90M/025	25mm 1"
	FPVCBE90M/032	32mm $1\frac{1}{4}$ "
	FPVCBE90M/040	40mm $1\frac{1}{2}$ "
	FPVCBE90M/050	50mm 2"

PN15 BS standard PVC

PVC SOCKET UNIONS

	Code	Size (NB)
Socket Union EPDM O-Ring (897)	FPVCSOUN/015	15mm $\frac{1}{2}$ "
	FPVCSOUN/020	20mm $\frac{3}{4}$ "
	FPVCSOUN/025	25mm 1"
	FPVCSOUN/032	32mm $1\frac{1}{4}$ "
	FPVCSOUN/040	40mm $1\frac{1}{2}$ "
	FPVCSOUN/050	50mm 2"
	FPVCSOUN/080	80mm 3"
	FPVCSOUN/100	100mm 4"
Socket Union FPM O-Ring (897)	FPVCSOUNFPM/015	15mm $\frac{1}{2}$ "
	FPVCSOUNFPM/020	20mm $\frac{3}{4}$ "
	FPVCSOUNFPM/025	25mm 1"
	FPVCSOUNFPM/032	32mm $1\frac{1}{4}$ "
	FPVCSOUNFPM/040	40mm $1\frac{1}{2}$ "
	FPVCSOUNFPM/050	50mm 2"

THE SMARTER CHOICE.

+GF+ SCHEDULE 80 PVC

HI-STRENGTH INDUSTRIAL PIPING SYSTEM

PVC SCH80 TEES

	Code	Size (NB)	
Tee Plain (801)	FPVCTEE/015	15mm	1/2"
	FPVCTEE/020	20mm	3/4"
	FPVCTEE/025	25mm	1"
	FPVCTEE/032	32mm	1 1/4"
	FPVCTEE/040	40mm	1 1/2"
	FPVCTEE/050	50mm	2"
	FPVCTEE/065	65mm	2 1/2"
	FPVCTEE/080	80mm	3"
	FPVCTEE/100	100mm	4"
	FPVCTEE/150	150mm	6"
	FPVCTEE/200	200mm	8"
	FPVCTEE/250	250mm	10"
	FPVCTEE/300	300mm	12"

PVC SCH80 REDUCING TEE

	Code	Size (NB)	
Reducing Tee	FPVCRTEE/050X015	50x15mm	2 x 1/2"
	FPVCRTEE/050X020	50x20mm	2 x 3/4"
	FPVCRTEE/050X025	50x25mm	2 x 1"
	FPVCRTEE/050X040	50x40mm	2 x 1 1/2"
	FPVCRTEE/080X025	80x25mm	3 x 1"
	FPVCRTEE/080X040	80x40mm	3 x 1 1/2"
	FPVCRTEE/080X050	80x50mm	3 x 2"
	FPVCRTEE/100X050	100x50mm	4 x 2"

PVC SCH80 FEMALE WYE

	Code	Size (NB)	
Wye Female	FPVCFMWYE/015	15mm	1/2"
	FPVCFMWYE/020	20mm	3/4"
	FPVCFMWYE/025	25mm	1"
	FPVCFMWYE/040	40mm	1 1/2"
	FPVCFMWYE/050	50mm	2"
	FPVCFMWYE/080	80mm	3"
	FPVCFMWYE/100	100mm	4"
	FPVCFMWYE/150	150mm	6"

PVC SCH80 CROSSES

	Code	Size (NB)	
Cross	FPVCCROSS/015	15mm	1/2"
	FPVCCROSS/020	20mm	3/4"
	FPVCCROSS/025	25mm	1"
	FPVCCROSS/032	32mm	1 1/4"
	FPVCCROSS/040	40mm	1 1/2"
	FPVCCROSS/050	50mm	2"
	FPVCCROSS/080	80mm	3"
	FPVCCROSS/100	100mm	4"

PVC SCH80 SOCKETS

	Code	Size (NB)	
Socket Plain/ Threaded (835)	FPVCSOPT/015	15mm	1/2"
	FPVCSOPT/020	20mm	3/4"
	FPVCSOPT/025	25mm	1"
	FPVCSOPT/032	32mm	1 1/4"
	FPVCSOPT/040	40mm	1 1/2"
	FPVCSOPT/050	50mm	2"
	FPVCSOPT/065	65mm	2 1/2"
	FPVCSOPT/080	80mm	3"
	FPVCSOPT/100	100mm	4"

NPT THREAD

Socket Plain (829)



PVC BSP SOCKETS

	Code	Size (NB)	
Socket Plain/ Threaded	FPVCSOPTBSP/010	10mm	3/8"
	FPVCSOPTBSP/015	15mm	1/2"
	FPVCSOPTBSP/020	20mm	3/4"
	FPVCSOPTBSP/025	25mm	1"
	FPVCSOPTBSP/032	32mm	1 1/4"
	FPVCSOPTBSP/040	40mm	1 1/2"
	FPVCSOPTBSP/050	50mm	2"
	FPVCSOPTBSP/080	80mm	3"

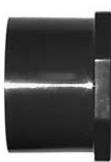
BSP THREAD
SS REINFORCING
BAND 10-50MM

+GF+ SCHEDULE 80 PVC

HI-STRENGTH INDUSTRIAL PIPING SYSTEM

PVC SCH80 REDUCING BUSH

	Code	Size (NB)
Reducing Bush Spigot/ Socket (837)	FPVCPB/010X008	10x8mm $\frac{5}{8} \times \frac{1}{4}$ "
	FPVCPB/015X008	15x8mm $\frac{1}{2} \times \frac{1}{4}$ "
	FPVCPB/015X010	15x10mm $\frac{1}{2} \times \frac{3}{8}$ "
	FPVCPB/020X015	20x15mm $\frac{3}{4} \times \frac{1}{2}$ "
	FPVCPB/025X015	25x15mm 1 x $\frac{1}{2}$ "
	FPVCPB/025X020	25x20mm 1 x $\frac{3}{4}$ "
	FPVCPB/032X015	32x15mm $1\frac{1}{4} \times \frac{1}{2}$ "
	FPVCPB/032X020	32x20mm $1\frac{1}{4} \times \frac{3}{4}$ "
	FPVCPB/032X025	32x25mm $1\frac{1}{4} \times 1$ "
	FPVCPB/040X015	40x15mm $1\frac{1}{2} \times \frac{1}{2}$ "
	FPVCPB/040X020	40x20mm $1\frac{1}{2} \times \frac{3}{4}$ "
	FPVCPB/040X025	40x25mm $1\frac{1}{2} \times 1$ "
	FPVCPB/040X032	40x32mm $1\frac{1}{2} \times 1\frac{1}{4}$ "
	FPVCPB/050X015	50x15mm 2 x $\frac{1}{2}$ "
	FPVCPB/050X020	50x20mm 2 x $\frac{3}{4}$ "
	FPVCPB/050X025	50x25mm 2 x 1"
	FPVCPB/050X032	50x32mm 2 x $1\frac{1}{4}$ "
	FPVCPB/050X040	50x40mm 2 x $1\frac{1}{2}$ "
	FPVCPB/065X040	65x40mm $2\frac{1}{2} \times 1\frac{1}{2}$ "
	FPVCPB/065X050	65x50mm $2\frac{1}{2} \times 2$ "
	FPVCPB/080X050	80x50mm 3 x 2"
	FPVCPB/080X065	80x65mm 3 x $2\frac{1}{2}$ "
	FPVCPB/100X050	100x50mm 4 x 2"
	FPVCPB/100X080	100x80mm 4 x 3"
	FPVCPB/150X100	150x100mm 6 x 4"
	FPVCPB/200X150	200x150mm 8 x 6"



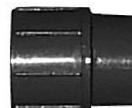
PVC SCH80 REDUCING BUSH

	Code	Size (NB)
Reducing Bush Male/Female Threaded (839)	FPVCBN/010x008	10x8mm $\frac{5}{8} \times \frac{1}{4}$ "
	FPVCBN/015x008	15x8mm $\frac{1}{2} \times \frac{1}{4}$ "
	FPVCBN/015x010	15x10mm $\frac{1}{2} \times \frac{3}{8}$ "
	FPVCBN/020x015	20x15mm $\frac{3}{4} \times \frac{1}{2}$ "
	FPVCBN/025x015	25x15mm 1 x $\frac{1}{2}$ "
	FPVCBN/025x020	25x20mm 1 x $\frac{3}{4}$ "
	FPVCBN/032x015	32x15mm $1\frac{1}{4} \times \frac{1}{2}$ "
	FPVCBN/032x020	32x20mm $1\frac{1}{4} \times \frac{3}{4}$ "
	FPVCBN/032x025	32x25mm $1\frac{1}{4} \times 1$ "
	FPVCBN/040x020	40x20mm $1\frac{1}{2} \times \frac{3}{4}$ "
	FPVCBN/040x025	40x25mm $1\frac{1}{2} \times 1$ "
	FPVCBN/040x032	40x32mm $1\frac{1}{2} \times 1\frac{1}{4}$ "
	FPVCBN/050x015	50x15mm 2 x $\frac{1}{2}$ "
	FPVCBN/050x020	50x20mm 2 x $\frac{3}{4}$ "
	FPVCBN/050x025	50x25mm 2 x 1"
	FPVCBN/050x032	50x32mm 2 x $1\frac{1}{4}$ "
	FPVCBN/050x040	50x40mm 2 x $1\frac{1}{2}$ "
	FPVCBN/080x040	80x40mm 3 x $1\frac{1}{2}$ "
	FPVCBN/080x050	80x50mm 3 x 2"
	FPVCBN/080x065	80x65mm 3 x $2\frac{1}{2}$ "
	FPVCBN/100x050	100x50mm 4 x 2"
	FPVCBN/100x080	100x80mm 4 x 3"

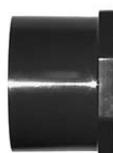
NPT THREAD

PVC SCH80 REDUCING SOCKET

	Code	Size (NB)
Reducing Socket (829)	FPVCRS/020x015	20x15mm $\frac{3}{4} \times \frac{1}{2}$ "
	FPVCRS/025x015	25x15mm 1 x $\frac{1}{2}$ "
	FPVCRS/025x020	25x20mm 1 x $\frac{3}{4}$ "
	FPVCRS/032x025	32x25mm $1\frac{1}{4} \times 1$ "
	FPVCRS/040x015	40x15mm $1\frac{1}{2} \times \frac{1}{2}$ "
	FPVCRS/040x025	40x25mm $1\frac{1}{2} \times 1$ "
	FPVCRS/040x032	40x32mm $1\frac{1}{2} \times 1\frac{1}{4}$ "
	FPVCRS/050x025	50x25mm 2 x 1"
	FPVCRS/050x040	50x40mm 2 x $1\frac{1}{2}$ "
	FPVCRS/080x050	80x50mm 3 x 2"
	FPVCRS/100x050	100x50mm 4 x 2"
	FPVCRS/100x080	100x80mm 4 x 3"
	FPVCRS/150x100	150x100mm 6 x 4"
	FPVCRS/200x150	200x150mm 8 x 6"



	Code	Size (NB)
Reducing Bush Spigot/ Threaded (838)	FPVCBT/010X008	10x8mm $\frac{5}{8} \times \frac{1}{4}$ "
	FPVCBT/015X008	15x8mm $\frac{1}{2} \times \frac{1}{4}$ "
	FPVCBT/015X010	15x10mm $\frac{1}{2} \times \frac{3}{8}$ "
	FPVCBT/020X015	20x15mm $\frac{3}{4} \times \frac{1}{2}$ "
	FPVCBT/025X015	25x15mm 1 x $\frac{1}{2}$ "
	FPVCBT/025X020	25x20mm 1 x $\frac{3}{4}$ "
	FPVCBT/032X015	32x15mm $1\frac{1}{4} \times \frac{1}{2}$ "
	FPVCBT/032X020	32x20mm $1\frac{1}{4} \times \frac{3}{4}$ "
	FPVCBT/032X025	32x25mm $1\frac{1}{4} \times 1$ "
	FPVCBT/040X015	40x15mm $1\frac{1}{2} \times \frac{1}{2}$ "
	FPVCBT/040X020	40x20mm $1\frac{1}{2} \times \frac{3}{4}$ "
	FPVCBT/040X025	40x25mm $1\frac{1}{2} \times 1$ "
	FPVCBT/040X032	40x32mm $1\frac{1}{2} \times 1\frac{1}{4}$ "
	FPVCBT/050X015	50x15mm 2 x $\frac{1}{2}$ "
	FPVCBT/050X020	50x20mm 2 x $\frac{3}{4}$ "
	FPVCBT/050X025	50x25mm 2 x 1"
	FPVCBT/050X032	50x32mm 2 x $1\frac{1}{4}$ "
	FPVCBT/050X040	50x40mm 2 x $1\frac{1}{2}$ "
	FPVCBT/065X050	65x50mm $2\frac{1}{2} \times 2$ "
	FPVCBT/080X050	80x50mm 3 x 2"



NPT THREAD

THE SMARTER CHOICE.

+GF+ SCHEDULE 80 PVC

HI-STRENGTH INDUSTRIAL PIPING SYSTEM

PVC SCH80 NIPPLES

	Code	Size (NB)
Nipple Plain/Threaded	FPVCNIPT/008	8mm $\frac{1}{4}$ "
	FPVCNIPT/010	10mm $\frac{3}{8}$ "
	FPVCNIPT/015	15mm $\frac{1}{2}$ "
	FPVCNIPT/020	20mm $\frac{3}{4}$ "
	FPVCNIPT/025	25mm 1"
	FPVCNIPT/032	32mm $1\frac{1}{4}$ "
	FPVCNIPT/040	40mm $1\frac{1}{2}$ "
	FPVCNIPT/050	50mm 2"
BSP THREAD	FPVCNIPT/080	80mm 3"
	FPVCNIPT/100	100mm 4"

PVC NIPPLES

	Code	Size (NB)
Hex Nipple	FPVCNITHD/008	8mm $\frac{1}{4}$ "
	FPVCNITHD/010	10mm $\frac{3}{8}$ "
	FPVCNITHD/015	15mm $\frac{1}{2}$ "
	FPVCNITHD/020	20mm $\frac{3}{4}$ "
	FPVCNITHD/025	25mm 1"
	FPVCNITHD/032	32mm $1\frac{1}{4}$ "
	FPVCNITHD/040	40mm $1\frac{1}{2}$ "
BSP THREAD	FPVCNITHD/050	50mm 2"

PVC SCH80 ADAPTOR

	Code	Size (NB)
Male Adapter (836)	FPVCMADPT/008	8mm $\frac{1}{4}$ "
	FPVCMADPT/015	15mm $\frac{1}{2}$ "
	FPVCMADPT/020	20mm $\frac{3}{4}$ "
	FPVCMADPT/025	25mm 1"
	FPVCMADPT/032	32mm $1\frac{1}{4}$ "
	FPVCMADPT/040	40mm $1\frac{1}{2}$ "
	FPVCMADPT/050	50mm 2"
NPT THREAD	FPVCMADPT/065	65mm $2\frac{1}{2}$ "
	FPVCMADPT/080	80mm 3"
	FPVCMADPT/100	100mm 4"
Female Adapter Spigot/Threaded (878)	FPVCFMADPT/015	15mm $\frac{1}{2}$ "
	FPVCFMADPT/020	20mm $\frac{3}{4}$ "
	FPVCFMADPT/025	25mm 1"
	FPVCFMADPT/032	32mm $1\frac{1}{4}$ "
	FPVCFMADPT/040	40mm $1\frac{1}{2}$ "
	FPVCFMADPT/050	50mm 2"
	FPVCFMADPT/080	80mm 3"
NPT THREAD	FPVCFMADPT/100	100mm 4"

PVC SCH80 END CAPS

	Code	Size (NB)
Cap (847)	FPVCCAP/008	8mm $\frac{1}{4}$ "
	FPVCCAP/010	10mm $\frac{3}{8}$ "
	FPVCCAP/015	15mm $\frac{1}{2}$ "
	FPVCCAP/020	20mm $\frac{3}{4}$ "
	FPVCCAP/025	25mm 1"
	FPVCCAP/032	32mm $1\frac{1}{4}$ "
	FPVCCAP/040	40mm $1\frac{1}{2}$ "
	FPVCCAP/050	50mm 2"
	FPVCCAP/065	65mm $2\frac{1}{2}$ "
	FPVCCAP/080	80mm 3"
	FPVCCAP/100	100mm 4"
	FPVCCAP/150	150mm 6"
	FPVCCAP/200	200mm 8"
	FPVCCAP/250	250mm 10"
	FPVCCAP/300	300mm 12"

PVC PLUGS

	Code	Size (NB)
Plug, NPT Thread (850)	FPVCPLUGNPT/008	8mm $\frac{1}{4}$ "
	FPVCPLUGNPT/010	10mm $\frac{3}{8}$ "
	FPVCPLUGNPT/015	15mm $\frac{1}{2}$ "
	FPVCPLUGNPT/020	20mm $\frac{3}{4}$ "
	FPVCPLUGNPT/025	25mm 1"
	FPVCPLUGNPT/032	32mm $1\frac{1}{4}$ "
	FPVCPLUGNPT/040	40mm $1\frac{1}{2}$ "
	FPVCPLUGNPT/050	50mm 2"
	FPVCPLUGNPT/080	80mm 3"
	FPVCPLUGNPT/100	100mm 4"
Plug, BSP Thread (850)	FPVCPLUGBSP/010	10mm $\frac{3}{8}$ "
	FPVCPLUGBSP/015	15mm $\frac{1}{2}$ "
	FPVCPLUGBSP/020	20mm $\frac{3}{4}$ "
	FPVCPLUGBSP/025	25mm 1"
	FPVCPLUGBSP/032	32mm $1\frac{1}{4}$ "
	FPVCPLUGBSP/040	40mm $1\frac{1}{2}$ "
	FPVCPLUGBSP/050	50mm 2"
Plug, Spigot (850)	FOVCPLUGSP/010	10mm $\frac{3}{8}$ "
	FOVCPLUGSP/015	15mm $\frac{1}{2}$ "
	FOVCPLUGSP/020	20mm $\frac{3}{4}$ "
	FOVCPLUGSP/025	25mm 1"
	FOVCPLUGSP/032	32mm $1\frac{1}{4}$ "
	FOVCPLUGSP/040	40mm $1\frac{1}{2}$ "
	FOVCPLUGSP/050	50mm 2"

Refer to Pipe Clips, Dressing Sets & Backing Rings list for full range.

+GF+ SCHEDULE 80 PVC

HI-STRENGTH INDUSTRIAL PIPING SYSTEM

PVC SCH80 VAN STONE FLANGES			
	Code	Size (NB)	
Flange (Van Stone) Awivel Ring (854) Drilled ANSI 150	FPVCFLVS150/015	15mm	½"
	FPVCFLVS150/020	20mm	¾"
	FPVCFLVS150/025	25mm	1"
	FPVCFLVS150/032	32mm	1¼"
	FPVCFLVS150/040	40mm	1½"
	FPVCFLVS150/050	50mm	2"
	FPVCFLVS150/065	65mm	2½"
	FPVCFLVS150/080	80mm	3"
	FPVCFLVS150/100	100mm	4"
	FPVCFLVS150/150	150mm	6"
	FPVCFLVS150/200	200mm	8"
	FPVCFLVS150/250	250mm	10"
	FPVCFLVS150/300	300mm	12"
Flange (Van Stone) Drilled Table E	FPVCFLVSDE/080	80mm	3"
	FPVCFLVSDE/100	100mm	4"
Flange (Van Stone) Drilled DIN	FPVCFLVSDIN/080	80mm	3"
	FPVCFLVSDIN/100	100mm	4"
Flange (Van Stone) Universal Drilling	FPVCFLVSU/050	50mm	2"
	FPVCFLVSU/150	150mm	6"
	FPVCFLVSU/200	200mm	8"
Flange (Spigot Van Stone)	FPVCFLVSSP/015	15mm	½"
	FPVCFLVSSP/020	20mm	¾"
	FPVCFLVSSP/025	25mm	1"
	FPVCFLVSSP/040	40mm	1½"
	FPVCFLVSSP/050	50mm	2"
	FPVCFLVSSP/065	65mm	2½"
	FPVCFLVSSP/080	80mm	3"
	FPVCFLVSSP/100	100mm	4"
	FPVCFLVSSP/150	150mm	6"
	FPVCFLVSSP/200	200mm	8"

PVC SCH80 FLANGES			
	Code	Size (NB)	
Stub Flange, PN 15	FPVCSTUB/015	15mm	½"
	FPVCSTUB/020	20mm	¾"
	FPVCSTUB/025	25mm	1"
	FPVCSTUB/032	32mm	1¼"
	FPVCSTUB/040	40mm	1½"
Flange (Slip) Fixed Ring (851) Drilled ANSI 150	FPVCFLPL150/015	15mm	½"
	FPVCFLPL150/020	20mm	¾"
	FPVCFLPL150/025	25mm	1"
	FPVCFLPL150/032	32mm	1¼"
	FPVCFLPL150/040	40mm	1½"
	FPVCFLPL150/050	50mm	2"
	FPVCFLPL150/065	65mm	2½"
	FPVCFLPL150/080	80mm	3"
	FPVCFLPL150/100	100mm	4"
	FPVCFLPL150/150	150mm	6"
	FPVCFLPL150/200	200mm	8"
Flange, Blind (853) Drilled ANSI 150	FPVCFLB150/015	15mm	½"
	FPVCFLB150/020	20mm	¾"
	FPVCFLB150/025	25mm	1"
	FPVCFLB150/032	32mm	1¼"
	FPVCFLB150/040	40mm	1½"
	FPVCFLB150/050	50mm	2"
	FPVCFLB150/080	80mm	3"
	FPVCFLB150/100	100mm	4"
	FPVCFLB150/150	150mm	6"
	FPVCFLB150/200	200mm	8"

THE SMARTER CHOICE.

+GF+ SCHEDULE 80 PVC

HI-STRENGTH INDUSTRIAL PIPING SYSTEM

PVC HOSETAIL ADAPTORS

	Code	Size (NB)	
Hosetail Adaptor Male	FPVCHOADPT/015	15mm	1/2"
	FPVCHOADPT/020	20mm	3/4"
	FPVCHOADPT/025	25mm	1"
	FPVCHOADPT/032	32mm	1 1/4"
	FPVCHOADPT/040	40mm	1 1/2"
	FPVCHOADPT/050	50mm	2"
NPT THREAD			
Hosetail Adaptor Female	FPVCHOADPTF/015	15mm	1/2"
	FPVCHOADPTF/020	20mm	3/4"
	FPVCHOADPTF/025	25mm	1"
	FPVCHOADPTF/032	32mm	1 1/4"
	FPVCHOADPTF/040	40mm	1 1/2"
	FPVCHOADPTF/050	50mm	2"
NPT THREAD			

PVC MALE BSP HOSETAIL ADAPTER

	Code	Size (NB)	
Hosetail Adaptor Male	FUHOADPT/008	8mm	1/4"
	FUHOADPT/010	10mm	3/8"
	FUHOADPT/015	15mm	1/2"
	FUHOADPT/020	20mm	3/4"
	FUHOADPT/025	25mm	1"
BSP THREAD			

PVC SPIGOT HOSETAIL ADAPTOR

	Code	Size (NB)	
Spigot Hosetail	FPVCHOADPTSP/020	20	3/4"
	FPVCHOADPTSP/025	25	1"
	FPVCHOADPTSP/032	32	1 1/4"
	FPVCHOADPTSP/040	40	1 1/2"
	FPVCHOADPTSP/050	50	2"
	FPVCHOADPTSP/080	80	3"

PVC HOSETAIL 90° ELBOWS

	Code	Size (NB)	
Elbow 90° Hosetail	FPVCHOEL90/015	15	1/2"
	FPVCHOEL90/020	20	3/4"
	FPVCHOEL90/025	25	1"

PVC SCH80 TANK ADAPTER

	Code	Size (NB)	
Tank Adapter	FPVCTA/015	15mm	1/2"
	FPVCTA/020	20mm	3/4"
	FPVCTA/025	25mm	1"
	FPVCTA/032	32mm	1 1/4"
	FPVCTA/040	40mm	1 1/2"
	FPVCTA/050	50mm	2"
	FPVCTA/080	80mm	3"
	FPVCTA/100	100mm	4"

EPDM
NPT Thread

PIPE CLIPS

	Code	Size (NB)	
Pipe Clips	167061086	15mm	1/2"
	167061087	20mm	3/4"
	167061088	25mm	1"
	167061089	32mm	1 1/4"
	167061090	40mm	1 1/2"
	167061091	50mm	2"
	167061112	65mm	2 1/2"
FPCI	FPCI/080	80mm	3"
	FPCI/100	100mm	4"
	FPCI/150	150mm	6"
	FPCI/200	200mm	8"

+GF+ SCHEDULE 80 CPVC

HI-TEMP INDUSTRIAL PIPING SYSTEM

Asmuss' CPVC 'Hi-Temp' Schedule 80 piping system is a truly industrial product with special application in process pipework where high integrity and excellent chemical resistance are required.

Chemical Resistance

CPVC (Chlorinated Polyvinyl Chloride) is particularly useful for handling corrosive fluids at temperatures up to 99°C.

In chemical resistance, it is comparable to PVC. It weighs about one-sixth as much as stainless steel, will not sustain combustion

(self-extinguishing) and has low thermal conductivity.

Suggested uses include process piping for hot corrosive liquids, hot and cold water lines, and similar applications above the temperature range of PVC.

CPVC pipe may be joined by solvent welding, threading or flanging.

Solvent Cement Jointing

The Installation of CPVC Schedule 80 pipework should only be undertaken by suitably qualified and experienced persons.

Please contact Asmuss for appropriate training.

Asmuss recommends the use of IPS-724 solvent cement when jointing CPVC Schedule 80. This has been specifically developed for use with CPVC Schedule 80 in chemical applications.

Standards

CPVC Schedule 80 was initially developed for the American market and as such is made to the relevant ASTM Standards.

Flanges are drilled to the ANSI 150 pattern and Threaded fittings are NPT.

Please note that this is different to the Table D/E Flanges and BSP threads common to New Zealand.

CPVC HI-TEMP SCHEDULE 80 PIPE - PLAIN ENDS							
	Code	Size (NB) mm	Size (NB) inch	OD mm	Avg ID mm	Min Wall Thickness (mm)	Nom Weight (Kg/m)
	PCPVC80/008	8	1/4"	13.7	7.2	3	0.15
	PCPVC80/010	10	5/8	17.1	10.2	3.2	0.2
	PCPVC80/015	15	1/2"	21.3	13.4	3.7	0.31
	PCPVC80/020	20	3/4"	26.7	18.3	3.9	0.41
	PCPVC80/025	25	1"	33.4	23.7	4.5	0.61
	PCPVC80/032	32	1 1/4"	42.2	31.9	4.9	0.84
	PCPVC80/040	40	1 1/2"	48.3	37.5	5.1	1.02
	PCPVC80/050	50	2"	60.3	48.6	5.5	1.46
	PCPVC80/065	65	2 1/2"	73	58.2	7	2.15
	PCPVC80/080	80	3"	88.9	72.7	7.6	2.88
	PCPVC80/100	100	4"	114.3	96.2	8.6	4.21
	PCPVC80/125	125	5"	141.3	121.11	9.5	6.16
	PCPVC80/150	150	6"	168.3	144.8	11	8.04
	PCPVC80/200	200	8"	219.1	192.2	12.7	12.68
	PCPVC80/250	250	10"	273.05	241.12	15.06	18.80
	PCPVC80/300	300	12"	323.85	286.87	17.44	25.87

15 - 200mm pipe is also available in 1 metre sections - POA
Please refer our Pipe Clips price list for imperial pipe clips.

THE SMARTER CHOICE.

+GF+ SCHEDULE 80 CPVC

HI-TEMP INDUSTRIAL PIPING SYSTEM

CPVC SCH80 SOCKETS

	Code	Size (NB)
CPVC Sch80 Socket Plain (9829)	FCPVCSSOP/008	8mm $\frac{1}{4}$ "
	FCPVCSSOP/010	10mm $\frac{3}{8}$ "
	FCPVCSSOP/015	15mm $\frac{1}{2}$ "
	FCPVCSSOP/020	20mm $\frac{3}{4}$ "
	FCPVCSSOP/025	25mm 1"
	FCPVCSSOP/032	32mm $1\frac{1}{4}$ "
	FCPVCSSOP/040	40mm $1\frac{1}{2}$ "
	FCPVCSSOP/050	50mm 2"
	FCPVCSSOP/065	65mm $2\frac{1}{2}$ "
	FCPVCSSOP/080	80mm 3"
	FCPVCSSOP/100	100mm 4"
	FCPVCSSOP/150	150mm 6"
	FCPVCSSOP/200	200mm 8"
	FCPVCSSOP/250	250mm 10"
	FCPVCSSOP/300	300mm 12"



**CPVC Sch80
Plain/Threaded
NPT Socket
(9835)**



NPT THREAD

CPVC SCH80 SOCKET UNIONS

	Code	Size (NB)
CPVC Sch80 Socket Union Plain FPM (9897)	FCPVCSOUN/008	8mm $\frac{1}{4}$ "
	FCPVCSOUN/010	10mm $\frac{3}{8}$ "
	FCPVCSOUN/015	15mm $\frac{1}{2}$ "
	FCPVCSOUN/020	20mm $\frac{3}{4}$ "
	FCPVCSOUN/025	25mm 1"
	FCPVCSOUN/032	32mm $1\frac{1}{4}$ "
	FCPVCSOUN/040	40mm $1\frac{1}{2}$ "
	FCPVCSOUN/050	50mm 2"
	FCPVCSOUN/080	80mm 3"
	FCPVCSOUN/100	100mm 4"



FPM O-RING

CPVC SCH80 TEES

	Code	Size (NB)
CPVC Sch80 Tee Plain (9801)	FCPVCTee/015	15mm $\frac{1}{2}$ "
	FCPVCTee/020	20mm $\frac{3}{4}$ "
	FCPVCTee/025	25mm 1"
	FCPVCTee/032	32mm $1\frac{1}{4}$ "
	FCPVCTee/040	40mm $1\frac{1}{2}$ "
	FCPVCTee/050	50mm 2"
	FCPVCTee/065	65mm $2\frac{1}{2}$ "
	FCPVCTee/080	80mm 3"
	FCPVCTee/100	100mm 4"
	FCPVCTee/150	150mm 6"
	FCPVCTee/200	200mm 8"
	FCPVCTee/250	250mm 10"
	FCPVCTee/300	300mm 12"



CPVC SCH80 90° ELBOWS

	Code	Size (NB)
CPVC Sch80 Elbow 90° Plain (9806)	FCPVCEL90/015	15mm $\frac{1}{2}$ "
	FCPVCEL90/020	20mm $\frac{3}{4}$ "
	FCPVCEL90/025	25mm 1"
	FCPVCEL90/032	32mm $1\frac{1}{4}$ "
	FCPVCEL90/040	40mm $1\frac{1}{2}$ "
	FCPVCEL90/050	50mm 2"
	FCPVCEL90/065	65mm $2\frac{1}{2}$ "
	FCPVCEL90/080	80mm 3"
	FCPVCEL90/100	100mm 4"
	FCPVCEL90/150	150mm 6"
	FCPVCEL90/200	200mm 8"
	FCPVCEL90/250	250mm 10"
	FCPVCEL90/300	300mm 12"



CPVC SCH80 45° ELBOWS

	Code	Size (NB)
CPVC Sch80 Elbow 45° Plain (9806)	FCPVCEL45/010	10mm $\frac{3}{8}$ "
	FCPVCEL45/015	15mm $\frac{1}{2}$ "
	FCPVCEL45/020	20mm $\frac{3}{4}$ "
	FCPVCEL45/025	25mm 1"
	FCPVCEL45/032	32mm $1\frac{1}{4}$ "
	FCPVCEL45/040	40mm $1\frac{1}{2}$ "
	FCPVCEL45/050	50mm 2"
	FCPVCEL45/065	65mm $2\frac{1}{2}$ "
	FCPVCEL45/080	80mm 3"
	FCPVCEL45/100	100mm 4"
	FCPVCEL45/150	150mm 6"
	FCPVCEL45/200	200mm 8"
	FCPVCEL45/250	250mm 10"
	FCPVCEL45/300	300mm 12"



CPVC SCH80 90° BENDS

	Code	Size (NB)
CPVC Sch80 Swept BEND 90° Plain	FCPVCBE90/015	15mm $\frac{1}{2}$ "
	FCPVCBE90/020	20mm $\frac{3}{4}$ "
	FCPVCBE90/025	25mm 1"
	FCPVCBE90/032	32mm $1\frac{1}{4}$ "
	FCPVCBE90/040	40mm $1\frac{1}{2}$ "
	FCPVCBE90/050	50mm 2"
	FCPVCBE90/065	65mm $2\frac{1}{2}$ "
	FCPVCBE90/080	80mm 3"
	FCPVCBE90/100	100mm 4"



CPVC SCH80 END CAPS

	Code	Size (NB)
CPVC Sch80 Plain Cap (9847)	FCPVCCAP/015	15mm $\frac{1}{2}$ "
	FCPVCCAP/020	20mm $\frac{3}{4}$ "
	FCPVCCAP/025	25mm 1"
	FCPVCCAP/032	32mm $1\frac{1}{4}$ "
	FCPVCCAP/040	40mm $1\frac{1}{2}$ "
	FCPVCCAP/050	50mm 2"
	FCPVCCAP/065	65mm $2\frac{1}{2}$ "
	FCPVCCAP/080	80mm 3"
	FCPVCCAP/100	100mm 4"
	FCPVCCAP/150	150mm 6"
	FCPVCCAP/200	200mm 8"



+GF+ SCHEDULE 80 CPVC

HI-TEMP INDUSTRIAL PIPING SYSTEM

CPVC PLAIN FLANGES

	Code	Size (NB)	
CPVC Sch80 Flange Plain, ANSI 150 (9851)	FCPVCFLPL150/015	15mm	1/2"
	FCPVCFLPL150/020	20mm	3/4"
	FCPVCFLPL150/025	25mm	1"
	FCPVCFLPL150/032	32mm	1 1/4"
	FCPVCFLPL150/040	40mm	1 1/2"
	FCPVCFLPL150/050	50mm	2"
	FCPVCFLPL150/065	65mm	2 1/2"
	FCPVCFLPL150/080	80mm	3"
	FCPVCFLPL150/100	100mm	4"
	FCPVCFLPL150/150	150mm	6"
			

CPVC SCH80 BLANK FLANGES

	Code	Size (NB)	
CPVC Sch80 Flange Blank, ANSI 150 (9853)	FCPVCFLB150/015	15mm	1/2"
	FCPVCFLB150/020	20mm	3/4"
	FCPVCFLB150/025	25mm	1"
	FCPVCFLB150/032	32mm	1 1/4"
	FCPVCFLB150/040	40mm	1 1/2"
	FCPVCFLB150/050	50mm	2"
	FCPVCFLB150/065	65mm	2 1/2"
	FCPVCFLB150/080	80mm	3"
	FCPVCFLB150/100	100mm	4"
	FCPVCFLB150/150	150mm	6"
	FCPVCFLB150/200	200mm	8"
			

CPVC SCH80 VAN STONE FLANGES

	Code	Size (NB)	
CPVC Sch80 Van Stone Flange ANSI 150 (9854)	FCPVCFLVS150/015	15mm	1/2"
	FCPVCFLVS150/020	20mm	3/4"
	FCPVCFLVS150/025	25mm	1"
	FCPVCFLVS150/032	32mm	1 1/4"
	FCPVCFLVS150/040	40mm	1 1/2"
	FCPVCFLVS150/050	50mm	2"
	FCPVCFLVS150/065	65mm	2 1/2"
	FCPVCFLVS150/080	80mm	3"
	FCPVCFLVS150/100	100mm	4"
	FCPVCFLVS150/150	150mm	6"
CPVC Sch80 Spigot Van Stone Flange ANSI 150	FCPVCFLVSSP/015	15mm	1/2"
	FCPVCFLVSSP/020	20mm	3/4"
	FCPVCFLVSSP/025	25mm	1"
	FCPVCFLVSSP/032	32mm	1 1/4"
	FCPVCFLVSSP/040	40mm	1 1/2"
	FCPVCFLVSSP/050	50mm	2"
	FCPVCFLVSSP/065	65mm	2 1/2"
	FCPVCFLVSSP/080	80mm	3"
	FCPVCFLVSSP/100	100mm	4"
	FCPVCFLVSSP/150	150mm	6"
CPVC Sch80 Van Stone Flange DIN	FCPVCFLVDIN/080	80mm	3"
	FCPVCFLVDIN/100	100mm	4"
CPVC Sch80 Van Stone Flange Universal	FCPVCFLVSU/050	50mm	2"
	FCPVCFLVSU/150	150mm	6"
			

CPVC SCH80 ADAPTORS

	Code	Size (NB)	
CPVC Sch80, NPT Female Adaptor (9878)	FCPVCFMADPT/015	15mm	1/2"
	FCPVCFMADPT/020	20mm	3/4"
	FCPVCFMADPT/025	25mm	1"
	FCPVCFMADPT/032	32mm	1 1/4"
	FCPVCFMADPT/040	40mm	1 1/2"
	FCPVCFMADPT/050	50mm	2"
	FCPVCFMADPT/080	80mm	3"
			
CPVC Sch80, NPT Male Adaptor (9836)	FCPVCMDADPT/015	15mm	1/2"
	FCPVCMDADPT/020	20mm	3/4"
	FCPVCMDADPT/025	25mm	1"
	FCPVCMDADPT/032	32mm	1 1/4"
	FCPVCMDADPT/040	40mm	1 1/2"
	FCPVCMDADPT/050	50mm	2"
	FCPVCMDADPT/080	80mm	3"
	FCPVCMDADPT/100	100mm	4"
			

CPVC SCH80 PLUGS

	Code	Size (NB)	
CPVC Sch80 Plug, NPT (9850)	FCPVCPLUGNPT/008	8mm	1/4"
	FCPVCPLUGNPT/010	10mm	5/8"
	FCPVCPLUGNPT/015	15mm	1/2"
	FCPVCPLUGNPT/020	20mm	5/8"
	FCPVCPLUGNPT/025	25mm	1"
	FCPVCPLUGNPT/040	40mm	1 1/2"
	FCPVCPLUGNPT/050	50mm	2"
	FCPVCPLUGNPT/100	100mm	4"
			

CPVC SCH80 TANK ADAPTERS

	Code	Size (NB)	
CPVC Sch80 Tank Adaptor FPM	FCPVCTAFPM/015	15mm	1/2"
	FCPVCTAFPM/020	20mm	3/4"
	FCPVCTAFPM/025	25mm	1"
	FCPVCTAFPM/032	32mm	1 1/4"
	FCPVCTAFPM/040	40mm	1 1/2"
	FCPVCTAFPM/050	50mm	2"
	FCPVCTAFPM/080	80mm	3"
			

THE SMARTER CHOICE.

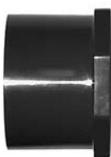
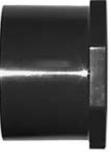
+GF+ SCHEDULE 80 CPVC

HI-TEMP INDUSTRIAL PIPING SYSTEM

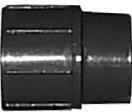
CPVC HOSETAILS

	Code	Size (NB)	
CPVC Hosetail NPT 	FCPVCHOADPT/015	15mm	1/2"
	FCPVCHOADPT/020	20mm	3/4"
	FCPVCHOADPT/025	25mm	1"
	FCPVCHOADPT/032	32mm	1 1/4"
	FCPVCHOADPT/040	40mm	1 1/2"
	FCPVCHOADPT/050	50mm	2"
Schedule 40			
CPVC Hosetail Spigot 	FCPVCHOADPTSP/015	15mm	1/2"
	FCPVCHOADPTSP/020	20mm	3/4"
	FCPVCHOADPTSP/025	25mm	1"
	FCPVCHOADPTSP/032	32mm	1 1/4"
	FCPVCHOADPTSP/040	40mm	1 1/2"
	FCPVCHOADPTSP/050	50mm	2"
Schedule 40			

CPVC REDUCING BUSHES

	Code	Size (NB)	
CPVC Sch80 Reducing Bush Plain (9837) 	FCPVCBP/010x008	10x8mm	3/8 x 1/4"
	FCPVCBP/015x008	15x8mm	1/2 x 1/4"
	FCPVCBP/015x010	15x10mm	1/2 x 3/8"
	FCPVCBP/020x015	20x15mm	3/4 x 1/2"
	FCPVCBP/025x015	25x15mm	1 x 1/2"
	FCPVCBP/025x020	25x20mm	1 x 3/4"
	FCPVCBP/032x015	32x15mm	1 1/4 x 1/2"
	FCPVCBP/032x020	32x20mm	1 1/4 x 3/4"
	FCPVCBP/032x025	32x25mm	1 1/4 x 1"
	FCPVCBP/040x015	40x15mm	1 1/2 x 1/2"
	FCPVCBP/040x020	40x20mm	1 1/2 x 3/4"
	FCPVCBP/040x025	40x25mm	1 1/2 x 1"
	FCPVCBP/040x032	40x32mm	1 1/2 x 1 1/4"
	FCPVCBP/050x015	50x15mm	2 x 1/2"
	FCPVCBP/050x020	50x20mm	2 x 3/4"
	FCPVCBP/050x025	50x25mm	2 x 1"
	FCPVCBP/050x032	50x32mm	2 x 1 1/4"
	FCPVCBP/050x040	50x40mm	2 x 1 1/2"
	FCPVCBP/065x040	65x40mm	2 1/2 x 1 1/2"
	FCPVCBP/065x050	65x50mm	2 1/2 x 2"
	FCPVCBP/080x040	80x40mm	3 x 1 1/2"
	FCPVCBP/080x050	80x50mm	3 x 2"
	FCPVCBP/080x065	80x65mm	3 x 2 1/2"
	FCPVCBP/100x050	100x50mm	4 x 2"
	FCPVCBP/100x080	100x80mm	4 x 3"
	FCPVCBP/150x100	150x100mm	6 x 4"
	FCPVCBP/200x150	200x150mm	8 x 6"
CPVC Sch80 Reducing Bush Plain/ Threaded NPT (9838) 	FCPVCBT/010x008	10x8mm	3/8 x 1/4"
	FCPVCBT/015x008	15x8mm	1/2 x 1/4"
	FCPVCBT/015x010	15x10mm	1/2 x 3/8"
	FCPVCBT/020x008	20x8mm	3/4 x 1/4"
	FCPVCBT/020x015	20x15mm	3/4 x 1/2"
	FCPVCBT/025x015	25x15mm	1 x 1/2"
	FCPVCBT/025x020	25x20mm	1 x 3/4"
	FCPVCBT/032x015	32x15mm	1 1/4 x 1/2"
	FCPVCBT/032x020	32x20mm	1 1/4 x 3/4"
	FCPVCBT/032x025	32x25mm	1 1/4 x 1"
	FCPVCBT/040x015	40x15mm	1 1/2 x 1/2"
	FCPVCBT/040x020	40x20mm	1 1/2 x 3/4"
	FCPVCBT/040x025	40x25mm	1 1/2 x 1"
	FCPVCBT/040x032	40x32mm	1 1/2 x 1 1/4"
	FCPVCBT/050x015	50x15mm	2 x 1/2"
	FCPVCBT/050x020	50x20mm	2 x 3/4"
	FCPVCBT/050x025	50x25mm	2 x 1"
	FCPVCBT/050x032	50x32mm	2 x 1 1/4"
	FCPVCBT/050x040	50x40mm	2 x 1 1/2"
	FCPVCBT/065x050	65x50mm	2 1/2 x 2"
	FCPVCBT/080x050	80x50mm	3 x 2"
	FCPVCBT/080x065	80x65mm	3 x 2 1/2"
	FCPVCBT/100x050	100x50mm	4 x 2"
	FCPVCBT/100x050	100x80mm	4 x 3"
NPT THREAD			

CPVC SCH80 REDUCING SOCKETS

	Code	Size (NB)	
CPVC Sch80 Reducing Socket (9829) 	FCPVCRS/020x015	20x15mm	3/4 x 1/2"
	FCPVCRS/025x015	25x15mm	1 x 1/2"
	FCPVCRS/025x020	25x20mm	1 x 3/4"
	FCPVCRS/032x025	32x25mm	1 1/4 x 1"
	FCPVCRS/040x025	40x25mm	1 1/2 x 1"
	FCPVCRS/040x032	40x32mm	1 1/2 x 1 1/4"
	FCPVCRS/050x025	50x25mm	2 x 1"
	FCPVCRS/050x040	50x40mm	2 x 1 1/2"
	FCPVCRS/065x050	65x50mm	2 1/2 x 2"
	FCPVCRS/080x050	80x50mm	3 x 2"
	FCPVCRS/100x050	100x50mm	4 x 2"
	FCPVCRS/100x080	100x80mm	4 x 3"
	FCPVCRS/150x100	150x100mm	6 x 4"
	FCPVCRS/200x150	200x150mm	8 x 6"
	FCPVCRS/300x250	300x250mm	12 x 10"

+GF+ SCHEDULE 80 CPVC

HI-TEMP INDUSTRIAL PIPING SYSTEM

CPVC SCH80 NIPPLES			
	Code	Size (NB)	
CPVC Sch80 Nipple Plain/Threaded BSP, Machined	FCPVCNIPTBSP/015	15mm	½"
	FCPVCNIPTBSP/020	20mm	¾"
	FCPVCNIPTBSP/025	25mm	1"
	FCPVCNIPTBSP/032	32mm	1¼"
	FCPVCNIPTBSP/040	40mm	1½"
	FCPVCNIPTBSP/050	50mm	2"
	FCPVCNIPTBSP/080	80mm	3"
	FCPVCNIPTBSP/100	100mm	4"
BSP THREAD			

PIPE CLIPS			
	Code	Size (NB)	
Pipe Clips	167061086	15mm	½"
	167061087	20mm	¾"
	167061088	25mm	1"
	167061089	32mm	1¼"
	167061090	40mm	1½"
	167061091	50mm	2"
	167061112	65mm	2½"
	FPCI/080	80mm	3"
	FPCI/100	100mm	4"
	FPCI/150	150mm	6"
	FPCI/200	200mm	8"

Refer to Pipe Clips, Dressing Sets and Backing Rings list for full range.

THE SMARTER CHOICE.

+GF+ CLEAR PVC PIPE

FOR METRIC & IMPERIAL SYSTEMS

Clear PVC piping is a valuable addition to our PVC piping systems. We have both metric and imperial dimensions available to match either the +GF+ Metric PVC or the Schedule 80 PVC systems respectively.

We also have a range of clear fittings and valving available, as well as the clear cement and primer required for joining the piping systems.

Please contact our sales team for information on our other piping and valving systems.

IMPERIAL CLEAR PVC

	Code	Size (NB) mm	Wall Thickness mm
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Ideal for site glasses within Schedule 40/80 Hi-Strength systems, or other imperial pipework.

Refer to Schedule 80 section for dimensionally compatible fittings.

Please contact us for chemical compatibility.

PVC-u Schedule 40



3 metre lengths

PPVCC/015	15	2.9
PPVCC/020	20	3.0
PPVCC/025	25	3.6
PPVCC/032	32	3.7
PPVCC/040	40	3.9
PPVCC/050	50	4.1
PPVCC/080	80	5.8
PPVCC/100	100	6.3
PPVCC/200	200	8.6

+GF+ METRIC CLEAR PVC-U

	Code	Size (NB) mm	Wall Thickness mm
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This European range can be used as a visual inspection point for our secondary containment system as well as for standard site glasses.

This pipework has a nominal pressure rating of PN16 to 63mm and PN10 for larger sizes.

Refer to PVC-u Industrial PROFIT section for dimensionally compatible fittings.

PVC-u PN16



5 metre lengths

192017105	16	1.2
192017106	20	1.5
192017107	25	1.9
192017108	32	2.4
192017109	40	3.0
192017110	50	3.7
192017111	63	4.7
192017088	90	4.3

THE SMARTER CHOICE.

PVC-U INDUSTRIAL

+GF+ METRIC PIPING SYSTEMS INCLUDING PRO-FIT

+GF+ METRIC PVC-U FITTINGS

	Code	Size d			Code	Size d
Socket	721910105	16			161050245	16
	721910106	20			161050246	20
	721910107	25			161050247	25
	721910108	32			161050248	32
	721910109	40			161050249	40
	721910110	50			161050250	50
	721910111	63			161050251	63
	721910112	75				
	721910113	90				
	721910114	110				
PN16						
Bend 90°	721000107	25			721961905	$\frac{3}{8}$ "
	721000108	32			721961906	$\frac{1}{2}$ "
	721000109	40			721961907	$\frac{3}{4}$ "
	721000110	50			721961908	1"
	721000111	63			721961909	$1\frac{1}{4}$ "
	721000112	75			721961910	$1\frac{1}{2}$ "
	721000113	90			721961911	2"
PN16						
Tee 90°	721200105	16				
	721200106	20				
	721200107	25				
	721200108	32				
	721200109	40				
	721200110	50				
	721200111	63				
	721200112	75				
	721200113	90				
	721200114	110				
PN16						
Full Face Flange ISO/DIN Bolt Pattern	721740106	20			721200134	25
	721740107	25			721200141	32
	721740108	32			721200138	32
	721740109	40			721200155	40
	721740110	50			721200151	40
	721740111	63			721200147	40
	721740112	75			721200009	50
	721740113	90			721200010	50
	721740114	110			721200164	50
PN10/PN16					721200161	50
	721740115	130			721200011	63
	721740116	140			721200178	63
	721740117	160			721200174	63
Stub Flange	721800106	20			721200170	63
	721800107	25			721200181	75
	721800108	32				
	721800109	40				
	721800110	50				
	721790111	63				
	721790112	75				
	721790113	90				
	721790114	110				
End Cap	721960104	12				
	721960105	16				
	721960106	20				
	721960107	25				
	721960108	32				
	721960109	40				
	721960110	50				
	721960111	63				
	721960112	75				
	721960113	90				
	721960114	110				
PN16						

PVC-U INDUSTRIAL

+GF+ METRIC PIPING SYSTEMS INCLUDING PRO-FIT

+GF+ METRIC PVC-U FITTINGS

	Code	Size d			Code	Size (OD)
Socket Unions EPDM	721510105	16		PVC Spigot Hosetail Parallel Hose Barb	721960404	12
	721510106	20			721960405	16
	721510107	25			721960406	20
	721510108	32			721960407	25
	721510109	40			721960408	32
	721510110	50			721960409	40
	721510111	63			721960410	50
	721510112	75			721960411	63
	721510313	90				
	721510114	110				
Socket Unions FPM	721510128	10		PVC PN10 WYE	721250105	16
	721510129	12			721250107	25
	721510130	16			721250108	32
	721510131	20			721250109	40
	721510132	25			721250110	50
	721510133	32			721250111	63
	721510134	40			721250112	75
	721510135	50				
	721510136	63				
	721510137	75				
	721510138	90				
	721510139	110				

+GF+ METRIC PVC-U ADAPTOR FITTINGS

	Code	Size			Code	Size
		d	Rp			d
Adaptor Socket	VADPTSOPT/010	16	$\frac{3}{8}$ "	Male Adaptor PN16	721910705	16
	VADPTSOPT/015	20	$\frac{1}{2}$ "		721910706	20
	VADPTSOPT/020	25	$\frac{3}{4}$ "		721910707	25
	VADPTSOPT/025	32	1"		721910708	32
	VADPTSOPT/032	40	$\frac{1}{4}$ "		721910709	40
	VADPTSOPT/040	50	$\frac{1}{2}$ "		721910710	50
	VADPTSOPT/050	63	2"		721910711	63
	VADPTSOPT/065	75	$\frac{1}{2}$ "		721910712	75
	VADPTSOPT/080	90	3"		721910713	90
	VADPTSOPT/100	110	4"		721910714	110
Female Adaptor	721900406	20	$\frac{1}{2}$ "	PVC PN16 Tee Plain/Threaded	721200205	16
	721900407	25	$\frac{3}{4}$ "		721200206	20
	721900408	32	1"		721200207	25
	721900409	40	$\frac{1}{4}$ "		721200208	32
	721900410	50	$\frac{1}{2}$ "		721200209	40
	721900411	63	2"		721200210	50
Reducing Bush Plain/Threaded	721910404	12	$\frac{1}{4}$ "		721200211	63
	721910434	20	$\frac{3}{8}$ "			
	721910437	25	$\frac{1}{2}$ "			
	721910441	32	$\frac{3}{4}$ "			
	721910446	40	1"			
	721910452	50	$\frac{1}{4}$ "			
PN10				PVC Elbow 90° Plain/Threaded	721100205	16
PN16					721100206	20
					721100207	25
					721100208	32
					721100209	40
					721100210	50

Note: Use only approved PTFE paste or tapes on threaded fittings

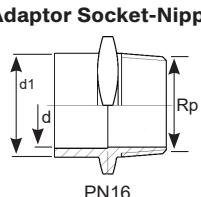
THE SMARTER CHOICE.

PVC-U INDUSTRIAL

+GF+ METRIC PIPING SYSTEMS INCLUDING PRO-FIT

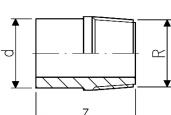
+GF+ METRIC PVC-U ADAPTOR FITTINGS

	Code	Size				Code	Size	
		d	d1	Rp			d	R
Adaptor Socket-Nipple	721910555	12	16	$\frac{3}{8}$ "		721913505	16	$\frac{3}{8}$ "
	721910556	16	20	$\frac{1}{2}$ "		721913506	20	$\frac{1}{2}$ "
	721910557	20	25	$\frac{3}{4}$ "		721913507	25	$\frac{3}{4}$ "
	721910558	25	32	1"		721913508	32	1"
	721910559	32	40	$1\frac{1}{4}$ "				
	721910560	40	50	$1\frac{1}{2}$ "				
	721910561	50	63	2"				



PN16

PVC PN10 Adaptor Nipple



+GF+ PRO-FIT SYSTEM

	Code	Size				Code	Size			
		d	d1				d	d1	d2	d3
Elbow 90°	721100306	20	16			721910903	8	12	10	-
	721100307	25	20			721910905	12	16	8	12
	721100308	32	25			721910906	12	16	10	16
	721100309	40	32			721910908	16	20	10	16
	721100310	50	40			721910909	16	20	12	16
	721100311	63	50			721910910	20	25	12	16
Elbow 45°	721150306	20	16			721910911	20	25	16	20
	721150307	25	20			721910912	25	32	12	16
	721150308	32	25			721910913	25	32	16	20
	721150309	40	32			721910914	25	32	20	25
	721150310	50	40			721910915	32	40	16	20
	721150311	63	50			721910916	32	40	20	25
Tee 90°	721200306	20	16			721910917	32	40	25	32
	721200307	25	20			721910918	40	50	20	25
	721200308	32	25			721910919	40	50	25	32
	721200309	40	32			721910920	40	50	32	40
	721200310	50	40			721910921	50	63	25	32
	721200311	63	50			721910922	50	63	32	40
Unions, EPDM	721510305	16	12			721910923	50	63	40	50
	721510306	20	16			721910924	63	75	32	40
	721510307	25	20			721910925	63	75	40	50
	721510308	32	25			721910926	63	75	50	63
	721510309	40	32			721910927	75	90	40	50
	721510310	50	40			721910928	75	90	50	63
	721510311	63	50			721910929	75	90	63	75
Unions, FPM	721510330	16	12							
	721510331	20	16							
	721510332	25	20							
	721510333	32	25							
	721510334	40	32							
	721510335	50	40							
	721510336	63	50							

Refer to Backing Rings and Dressing Sets
PP Backing Rings for Chemical Applications
PP Pipe Clips
ISO/DIN 546

METRIC PIPE CLIPS

	Code	Size (OD)
PP GF061H Pipe Clip ISO/DIN 546	167061035	16mm
	167061036	20mm
	167061037	25mm
	167061038	32mm
	167061039	40mm
	167061040	50mm
	167061041	63mm
	167061012	75mm
	167061013	90mm
	167061014	110mm



uPVC

PRESSURE PIPING SYSTEM

uPVC Pressure Pipe is manufactured to AS/NZS 1477 "PVC Pipes and fittings for Pressure applications". uPVC Pressure Pipe is compatible with the Asmuss range of uPVC Pressure Pipe fittings. Pipe is available with either a solvent cement Socket (SOE) or a rubber ring joint Socket (RRJ) on one end.

Note: Fittings 65 and 125-300mm are parallel fit and require heavy duty gap filling cements. Please refer to the cement and primer page for correct solvents.

UPVC PIPE					
	Code	Size (NB)		Code	Size (NB)
UPVC Pressure Pipe PN6 Class B SOE NZS	PU800/050B/S	50mm	UPVC Pressure Pipe PN12 Class D SOE NZS	PU800/032D/S	32mm
	PU800/080B/S	80mm		PU800/040D/S	40mm
	PU800/100B/S	100mm		PU800/050D/S	50mm
	PU800/150B/S	150mm		PU800/065D/S	65mm
UPVC Pressure Pipe PN9 Class C SOE NZS	PU800/050C/S	50mm	UPVC Pressure Pipe PN15 Class E SOE NZS	PU800/080D/S	80mm
	PU800/065C/S	65mm		PU800/100D/S	100mm
	PU800/080C/S	80mm		PU800/150D/S	150mm
	PU800/100C/S	100mm		PU800/015E/S	15mm
	PU800/150C/S	150mm		PU800/020E/S	20mm

Note: Pipe Diameters greater than 150mm SOE Pipe are made to order only and require a minimum purchase quantity

Other Pipe Classes and sizes are available on request.

UPVC SOCKETS		
	Code	Size (NB)
UPVC Faucet Socket Female Threaded (NZS)	FU806/015	15mm
	FU806/020	20mm
	FU806/025	25mm
	FU806/032	32mm
	FU806/040	40mm
	FU806/050	50mm
	FU806/065	65mm
	FU806/080	80mm
	FU806/100	100mm
	BSP Thread	
UPVC Valve Socket MALE Threaded (NZS)	FU813/015	15mm
	FU813/020	20mm
	FU813/025	25mm
	FU813/032	32mm
	FU813/040	40mm
	FU813/050	50mm
	FU813/065	65mm
	FU813/080	80mm
	FU813/100	100mm
	BSP Thread	

UPVC VALVE SPIGOTS		
	Code	Size (NB)
UPVC Valve Spigot Plain (NZS)	FU817/015	15mm
	FU817/020	20mm
	FU817/025	25mm
	FU817/032	32mm
	FU817/040	40mm
	FU817/050	50mm

UPVC COUPLERS		
	Code	Size (NB)
UPVC Socket Coupler, Plain (NZS)	FU810/015	15mm
	FU810/020	20mm
	FU810/025	25mm
	FU810/032	32mm
	FU810/040	40mm
	FU810/050	50mm
	FU810/065	65mm
	FU810/080	80mm
	FU810/100	100mm
	FU810/125	125mm
UPVC Reducing Socket Plain (NZS)	FU810/150	150mm
	FU810/175	175mm
	FU810/225	225mm
	FU810/250	250mm
	FU810/300	300mm

UPVC REDUCING SOCKETS		
	Code	Size (NB)
UPVC Reducing Socket Plain (NZS)	FU823/020X015	20X15mm
	FU823/025X015	25X15mm
	FU823/025X020	25X20mm
	FU823/032X020	32X20mm
	FU823/032X025	32X25mm
	FU823/040X020	40X20mm
	FU823/040X025	40X25mm
	FU823/040X032	40X32mm
	FU823/050X025	50X25mm
	FU823/050X032	50X32mm
	FU823/050X040	50X40mm
	FU823/080X050	80X50mm
	FU823/100X080	100X80mm
	FU823/150X100	150X100mm
	FU823/175X150	175X150mm
	FU823/200X150	200X150mm
	FU823/225X150	225X150mm

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uPVC

PRESSURE PIPING SYSTEM

UPVC 90° ELBOWS

	Code	Size (NB)
UPVC Elbow 90 ° Plain (NZS)	FU801/015/90	15mm
	FU801/020/90	20mm
	FU801/025/90	25mm
	FU801/032/90	32mm
	FU801/040/90	40mm
	FU801/050/90	50mm
	FU801/065/90	65mm
	FU801/080/90	80mm
	FU801/100/90	100mm
	FU801/125/90	125mm
	FU801/150/90	150mm
	FU801/175/90	175mm
	FU801/200/90	200mm
	FU801/225/90	225mm
	FU801/250/90	250mm
	FU801/300/90	300mm

UPVC 45° ELBOWS

	Code	Size (NB)
UPVC Elbow 45 ° Plain (NZS)	FU801/015/45	15mm
	FU801/020/45	20mm
	FU801/025/45	25mm
	FU801/032/45	32mm
	FU801/040/45	40mm
	FU801/050/45	50mm
	FU801/065/45	65mm
	FU801/080/45	80mm
	FU801/100/45	100mm
	FU801/125/45	125mm
	FU801/150/45	150mm
	FU801/175/45	175mm
	FU801/200/45	200mm
	FU801/225/45	225mm
	FU801/250/45	250mm
	FU801/300/45	300mm

UPVC SOCKET UNIONS

	Code	Size (NB)
UPVC Socket UNION (NZS)	FU811/015	15mm
	FU811/020	20mm
	FU811/025	25mm
	FU811/032	32mm
	FU811/040	40mm
	FU811/050	50mm
	FU811/065	65mm
	FU811/080	80mm
	FU811/100	100mm

UPVC COMPRESSION COUPLER

	Code	Size (NB)
UPVC Compression Coupler 150 PSI	FU809/020	20mm
	FU809/025	25mm
	FU809/032	32mm
	FU809/040	40mm
	FU809/050	50mm

UPVC TEES

	Code	Size (NB)
UPVC TEE Plain (NZS)	FU804/015	15mm
	FU804/020	20mm
	FU804/025	25mm
	FU804/032	32mm
	FU804/040	40mm
	FU804/050	50mm
	FU804/065	65mm
	FU804/080	80mm
	FU804/100	100mm
	FU804/125	125mm
	FU804/150	150mm
	FU804/175	175mm
	FU804/200	200mm
	FU804/225	225mm
	FU804/250	250mm
	FU804/300	300mm

UPVC REDUCING TEES

	Code	Size (NB)
UPVC Reducing TEE Plain (NZS)	FU805/020X015	20X15mm
	FU805/025X015	25X15mm
	FU805/025X020	25X20mm
	FU805/040X020	40X20mm
	FU805/040X025	40X25mm
	FU805/040X032	40X32mm
	FU805/050X020	50X20mm
	FU805/050X025	50X25mm
	FU805/050X040	50X40mm
	FU805/080X025	80X25mm
	FU805/080X050	80X50mm
	FU805/100X050	100X50mm
	FU805/100X080	100X80mm
	FU805/225X150	225X150mm
	FU805/250X200	250X200mm

UPVC END CAPS

	Code	Size (NB)
UPVC Cap Plain END (NZS)	FU830/015	15mm
	FU830/020	20mm
	FU830/025	25mm
	FU830/032	32mm
	FU830/040	40mm
	FU830/050	50mm
	FU830/065	65mm
	FU830/080	80mm
	FU830/100	100mm
	FU830/125	125mm
	FU830/150	150mm
	FU830/200	200mm
UPVC Cap Threaded	FU832/015	15mm
	FU832/020	20mm
	FU832/025	25mm
	FU832/032	32mm
	FU832/040	40mm
	FU832/050	50mm
	FU832/080	80mm
	FU832/100	100mm
	FU832/150	150mm

uPVC

PRESSURE PIPING SYSTEM

UPVC PLUGS

	Code	Size (NB)
UPVC Plug Threaded (NZS)	FU837/015	15mm
	FU837/020	20mm
	FU837/025	25mm
	FU837/032	32mm
	FU837/040	40mm
	FU837/050	50mm
	FU837/080	80mm



UPVC REDUCING BUSHES

	Code	Size (NB)
PVC FIP BSP Threaded Reducing Bush Parallel	FU818/020X010	20X10mm
	FU818/020X015	20X15mm
	FU818/025X015	25X15mm
	FU818/025X020	25X20mm
	FU818/032X015	32X15mm
	FU818/032X020	32X20mm
	FU818/032X025	32X25mm
	FU818/040X015	40X15mm
	FU818/040X020	40X20mm
	FU818/040X025	40X25mm
	FU818/040X032	40X32mm
	FU818/050X020	50X20mm
	FU818/050X025	50X25mm
	FU818/050X032	50X32mm
	FU818/050X040	50X40mm
	FU818/065X050	65X50mm
	FU818/080X050	80X50mm
	FU818/080X065	80X65mm
	FU818/100X080	100X80mm
UPVC Reducing Bush (NZS)	FU824/020X015	20X15mm
	FU824/025X015	25X15mm
	FU824/025X020	25X20mm
	FU824/032X025	32X25mm
	FU824/040X025	40X25mm
	FU824/040X032	40X32mm
	FU824/050X025	50X25mm
	FU824/050X040	50X40mm
	FU824/065X050	65X50mm
	FU824/080X050	80X50mm
	FU824/080X065	80X65mm
	FU824/100X050	100X50mm
	FU824/100X080	100X80mm
	FU824/125X100	125X100mm
	FU824/150X100	150X100mm
	FU824/150X125	150X125mm
	FU824/175X150	175X150mm
	FU824/200X150	200X150mm
	FU824/200X175	200X175mm
	FU824/225X150	225X150mm
	FU824/225X200	225X200mm
	FU824/250X150	250X150mm
	FU824/250X200	250X200mm
	FU824/250X225	250X225mm
	FU824/300X150	300X150mm
	FU824/300X175	300X175mm
	FU824/300X200	300X200mm
	FU824/300X225	300X225mm
	FU824/300X250	300X250mm



PVC ADAPTOR BUSH

	Code	Size (NB)
PVC Imperial/Metric Adaptor Bush	C-837-060160mm	168-160mm



PVC SPIGOT HOSE ADAPTORS

	Code	Size (NB)
PVC Spigot Hose Adaptor	FUHOADPTSP/015	15mm
	FUHOADPTSP/020	20mm
	FUHOADPTSP/025	25mm
	FUHOADPTSP/032	32mm
	FUHOADPTSP/040	40mm
	FUHOADPTSP/050	50mm
	FUHOADPTSP/080	80mm

UPVC FAUCET 90° ELBOWS

	Code	Size (NB)
UPVC Elbow 90 ° Faucet (NZS)	FU808/015/90	15mm
	FU808/020/90	20mm
	FU808/025/90	25mm



PVC UNIVERSAL VAN STONE FLANGES

	Code	Size (NB)
PVC Universal Van Stone Flange	FU6254/160	150mm
	FU6254/225	200mm
	FU6254/280	250mm



NOTE: Also refer to our SH80 PVC product list for additional Socket Flange options.

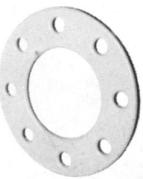
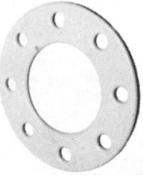
UPVC STUB FLANGES

	Code	Size (NB)
UPVC Stub Flange (NZS)	FU826/050	50mm
	FU826/065	65mm
	FU826/080	80mm
	FU826/100	100mm
	FU826/125	125mm
	FU826/150	150mm
	FU826/175	175mm
	FU826/200	200mm
	FU826/225	225mm
	FU826/250	250mm
	FU826/300	300mm
	FU826/375	375mm

THE SMARTER CHOICE.

uPVC

PRESSURE PIPING SYSTEM

BACKING RINGS		
	Code	Size (NB)
Galvanised Backing Ring, Table E 	FABSBRGTE/050	50
	FABSBRGTE/065	65
	FABSBRGTE/080	80
	FABSBRGTE/100	100
	FUPVCBRGTE/125	125
	FUPVCBRGTE/150	150
	FUPVCBRGTE/175	175
	FUPVCBRGTE/200	200
	FUPVCBRGTE/225	225
	FUPVCBRGTE/250	250
SS 316 Backing Ring, Table E 	FABSRSSTE/050	50
	FABSRSSTE/080	80
	FABSRSSTE/100	100

IPS WELD-ON & +GF+ Tangit

SOLVENT CEMENTS, PRIMERS & COMPOUNDS

IPS WELD-ON is the industry leader, offering the most complete line of solvent cements commercially available. Each WELD-ON formulation has been developed for a specific application.

Asmuss recommend the use of the Weld-On range of cements with the following piping systems:

PVC Schedule 40 and 80 Piping Systems

- CPVC Schedule 80 Piping Systems
- PVC Metric PN16 piping Systems
- PVC AS/NZS Pressure and Non-Pressure Piping Systems

Please contact our sales team for assistance in selecting the correct solvent cement and primer for your application.

Related Documents:

- Asmuss Machines and Tooling Catalogue
- The Science of Solvent Cement

Asmuss offers Weld ON IPS Solvent Cement Training Courses.

We recommend all installers using IPS or Tangit Solvent Cement have training before use.

PACK SIZES

125/118ml	24 units	
250/237ml	24 units	
500/473ml	12 units	
1LT/946ml	12 units	
1 Gal/3780ml	6 units	

PRIMERS

		Code	Size
IPS P-68 Clear Primer		IPSP-68/125	118ml
			
		IPSP-68/250	237ml
		IPSP-68/500	473ml
		IPSP-68/1LT	946ml
		IPSP-68/1GAL	3.785L
Clear, fast acting primer for both PVC and CPVC in all sizes.			
IPS P-70 Purple Primer		IPSP-70/250	237ml
			
		IPSP-70/500	473ml
		IPSP-70/1LT	946ml
		IPSP-70/1GAL	3.785L
Purple, very fast acting and aggressive primer for both PVC and CPVC in all sizes. P-70 primer is recommended when installing CPVC and PVC piping systems for chemical applications.			
IPS P-75 Wet & Dry Primer		IPSP-75/500	473ml
			
*This primer is to be used with IPS 725 cement only.			

711 PVC CEMENT*

	Code	Size
IPS 711 PVC Heavy Bodied Solvent Cement	IPS711/250	237ml
	IPS711/500	473ml
	IPS711/1LT	946ml
	IPS711/1GAL	3.785L

Grey, heavy bodied, medium setting, cement for all types of PVC. (SCH80, Metric, ASNZS) pipe in larger diameters through to 315mm.

Cement has gap filling properties, suitable for a parallel fit.

724 CPVC/PVC CEMENT - INDUSTRIAL*

	Code	Size
IPS 724 PVC & CPVC Heavy Bodied Solvent Cement	IPS724O/500	473ml
	IPS724O/1LT	946ml
		
Orange, heavy bodied, medium setting, PVC and CPVC cement for chemical applications in sizes through to 300mm. 724 Grey Cement has been phased out and replaced with 724 Orange Cement.		
Cement has gap filling properties, suitable for a parallel fit.		

719 PVC CEMENT*

	Code	Size
IPS 719 PVC Extra Heavy Bodied Solvent Cement	IPS719/1LT	946ml
	IPS719/1GAL	3.785L
		
Grey, extra heavy bodied, slow setting, grey PVC cement suitable for AS/NZS PVC pipe up to 710mm. Cement has gap filling properties, suitable for a parallel fit.		

THE SMARTER CHOICE.

IPS WELD-ON & +GF+ Tangit

SOLVENT CEMENTS, PRIMERS & COMPOUNDS

700 PVC CEMENT		
	Code	Size
IPS 700 PVC Regular Bodied Solvent Cement	IPS700/125 IPS700/250 IPS700/500 IPS700/1LT IPS700/1GAL	118ml 237ml 473ml 946ml 3.785L
		
Clear, regular bodied, fast setting, PVC cement for AS/NZS PVC pipe of all classes and pressures through to 100mm. *Not suitable for SCH80 Pipe		

SPECIAL APPLICATIONS		
	Code	Size
IPS 725 Wet & Dry PVC Solvent Cement	IPS725/500	473ml
IPS 735 Wet 'N Fast PVC Extremely Fast Setting Solvent Cement	IPS735/125 IPS735/250 IPS735/500 IPS735/1LT IPS735/1GAL	118ml 237ml 473ml 946ml 3.785L
		
Blue, medium bodied, extremely fast setting, blue PVC cement for AS/NZS PVC pipe of all classes and pressures through to 100mm, when quick line pressurisation is required.		

705 PVC CEMENT		
	Code	Size
IPS 705 PVC Medium Bodied Solvent Cement	IPS705/125 IPS705/250 IPS705/500 IPS705/1LT IPS705/1GAL	118ml 237ml 473ml 946ml 3.785L
		
Grey, medium bodied, fast setting, PVC cement for both AS/NZS PVC pipe and PVC Schedule 80 pipe through to 100mm.		

IPS 747 Pool & Spa Cement	IPS747/500	473ml
		
Weld-On® 810™ (A & B) Kit	IPS180/4OZ IPS180/500	4oz 473ml
		
Two-component, high strength, low VOC reactive adhesive. Product can withstand very high pressure and is high impact resistant. Great for repairing cracks or leaky pipe valves and fittings. It has excellent gap-filling property which is ideal for fabricating fittings and joining saddles to pipe. Also good for bonding large diameter PVC & CPVC pipe and fittings.		

JOINTING COMPOUNDS		
	Code	Size
IPS White Seal PTFE Pipe Jointing Compound	IPSWSEAL/125 IPSWSEAL/250 IPSWSEAL/500	118ml 237ml 473ml
		
IPS White Seal is a white grit free, extreme duty pipe joint compound with a special blend of homogenized Teflon® particles and non-toxic oils. Not for fluorine, molten metals or oxygen systems.		
PTFE Thread Tape	THT/012	12mm
		

TANGIT CEMENT & PRIMER		
	Code	Size
Tangit Solvent Cement	799298001 799298003	250gm 1L
		
Tangit ABS / CPVC / PVC Cleaner	799298010	1L
		
Tangit PVC / CPVC DTX Special Cement	799298031	500ml
		

IPS WELD-ON & +GF+ Tangit

SOLVENT CEMENTS, PRIMERS & COMPOUNDS

DYTEX CEMENT & PRIMER

	Code	Size
Dytex PVC / CPVC Solvent Cement  Not Gap Filling For H2S04	799298116	500ml
Dytex PVC / CPVC Cleaner 	799298117	500ml

TANGIT RAPID ACCESSORIES

	Code	Size
Tangit Rapid Dispenser Gun 50ml 	799302011	16 - 140mm
Tangit Rapid Dispenser Gun 400ml 	799202013	110 - 400mm
Tangit Rapid Plastic Brush 	799302021 799302022	3/8" 1"
Tangit Rapid Mixers 50 ml 	799302032 799302032/S	x30 Single
Tangit Folding Ruler with Insertion Depth 	799302036	16-400mm

TANGIT/DTX/DYTEX ACCESSORIES

	Code	Size
Round Bush 	799299001 799299002	6 - 10mm 12 - 32mm
Flat Brush 	799299003 799299004	40 - 63mm 75- 225mm
Tangit ABS/CPVC/PVC Solvent Cement Cap 	799298028	

TANGIT RAPID

	Code	Size
Tangit Rapid 50ml Kit (16-140mm)  6 cartridges, 12 mixers and 2 plastic brushes	799302043	50ml
Tangit Rapid 400ml Kit (110-400mm)  6 cartridges, 12 mixers and 2 plastic brushes	799302007	400ml

ACCESSORIES

	Code	Size
Weld-On Roller	IPS6020 IPS7020	4" 7"
Cap Dauber To Suit Pipe PT	IPSDP-75 IPSDP-150	3/4-1 1/2" 1 1/2 - 3"
Cap Dauber To Suit Pipe QT	IPSDQ-75 IPSDQ-150	3/4-1 1/2" 1 1/2 - 3"
Super Dauber	IPSSB-75 IPSSB-150	3/4 - 1 1/2" 1 1/2 - 3"
Super Swab	IPSSS-Q/G	4 - 8"

TOOLS RANGE

	Code	Size
Pipe Cutter	RITMOCUTTER/063 RITMOCUTTER/140 RITMOCUTTER/160 RITMOCUTTER/315	6 - 63mm 50 - 140mm 100 - 160mm 180 - 315mm
Pipe fitting Puller	IPSP-0412	4-12"
Bevellers	RITMOSME1 RITMOSME2PLUS	25 - 160mm 40 - 315mm
Deburring Tool	DEB-2	1/2 - 2"

Refer to the Asmuss Machines & Tooling catalogue for more information.

THE SMARTER CHOICE.

PE100 METRIC



ELECTROFUSION & SPIGOT PIPING SYSTEMS

Quality and Standards

Asmuss is a leading distributor of polyethylene (PE) piping systems in New Zealand and carries a comprehensive range of fittings and equipment, backed by technical advice and service. The fittings listed comply with internationally accepted standards including AS/NZS Standard 4129:2020, fittings for PE pipes for pressure applications. Specifying authorities are advised to require compliance with product standards to ensure the integrity of permanent works.

Asmuss recommends that the installation of all PE pipe fittings only be undertaken by suitably qualified and experienced operators.

Related Documents

- Simona Swept Bends Flyer
- Machines & Tooling Catalogue

SDR 11 ELECTROFUSION COUPLERS

	Code	Size (OD) mm	SDR
Coupler PN16 SDR 11	FPEHC/020	20	7-11
	FPEHC/025	25	7-11
	FPEHC/032	32	7-11
	FPEHC/040	40	7-11
	FPEHC/050	50	7-11
	FPEHC/063	63	7-11
	FPEHC/075	75	7-17
	FPEHC/090	90	7-17
	FPEHC/110	110	7-17
	FPEHC/125	125	7-17
	FPEHC/140	140	7-17
	FPEHC/160	160	7-17
	FPEHC/180	180	7-17
	FPEHC/200	200	7-17
	FPEHC/225	225	7-17
	FPEHC/250	250	7-21
	FPEHC/280	280	7-17
	FPEHC/315	315	7-26
	FPEHC/355	355	7-17
	FPEHC/400	400	7-26
	FPEHC/450	450	7-17
	FPEHC/500	500	7-17
	FPEHC/560	560	7-33
	FPEHC/630	630	7-41
	FPEHC/710	710	7-17
	FPEHC/800	800	7-17
	FPEHC/900	900	7-17
	FPEHC/1000	1000	7-17

*Larger sizes available on request

SDR 7.4 ELECTROFUSION COUPLERS

	Code	Size (OD) mm	SDR
Coupler PN25 SDR 7.4	FPE7.4HC/050	50	7-11
	FPE7.4HC/063	63	7-11
	FPE7.4HC/075	75	7-11
	FPE7.4HC/090	90	7-11
	FPE7.4HC/110	110	7-11
	FPE7.4HC/125	125	7-11
	FPE7.4HC/180	180	7-11
	FPE7.4HC/200	200	7-11
	FPE7.4HC/225	225	7-11
	FPE7.4HC/250	250	7-11
	FPE7.4HC/280	280	7-11
	FPE7.4HC/315	315	7-11

*Larger sizes available on request

SDR 17 ELECTROFUSION COUPLERS

	Code	Size (OD) mm	SDR
Coupler PN10 SDR 17	FPE17HC/063	63	11-26
	FPE17HC/075	75	11-17
	FPE17HC/090	90	11-26
	FPE17HC/110	110	11-33
	FPE17HC/125	125	11-33
	FPE17HC/140	140	11-33
	FPE17HC/160	160	11-33
	FPE17HC/180	180	11-33
	FPE17HC/200	200	11-33
	FPE17HC/225	225	11-33
	FPE17HC/250	250	11-33
	FPE17HC/280	280	11-33
	FPE17HC/315	315	11-33
	FPE17HC/355	355	11-41
	FPE17HC/400	400	11-41
	FPE17HC/450	450	11-41
	FPE17HC/500	500	11-33
	FPE17HC/560	560	11-41
	FPE17HC/630	630	11-33
	FPE17HC/710	710	11-33
	FPE17HC/800	800	11-41
	FPE17HC/900	900	11-41
	FPE17HC/1000	1000	11-33
	FPE17HC/1200	1200	11-33

*Larger sizes available on request

IPA WIPES

	Code	Size
IPA Wipes 92-97% IPA	IPAWIPES	100 per tub

IPA LIQUID

	Code	Size
IPA Cleaner 100% IPA	IPA/1LT	1 Litre

PE100 METRIC



ELECTROFUSION & SPIGOT PIPING SYSTEMS

ELECTROFUSION TEES

	Code	Size (OD) mm	SDR
90° Equal Tee PN16 SDR 11	FPEHCT/020	20	7-11
	FPEHCT/025	25	7-11
	FPEHCT/032	32	7-11
	FPEHCT/040	40	7-13.6
	FPEHCT/050	50	7-13.6
	FPEHCT/063	63	7-13.6
	FPEHCT/075	75	7-13.6
	FPEHCT/090	90	7-21
	FPEHCT/110	110	7-21
	FPEHCT/125	125	7-17
	FPEHCT/160	160	7-21
	FPEHCT/180	180	7-17
	FPEHCT/200	200	7-17
	FPEHCT/225	225	7-17
	FPEHCT/250	250	7-17



ELECTROFUSION REDUCING TEES

	Code	Size (OD) mm	SDR
90° Reducing Tee PN16 SDR 11	FPEHCRT/050X040	50x40	7-21
	FPEHCRT/063X050	63x50	7-21
	FPEHCRT/090X063	90x63	7-21
	FPEHCRT/110X063	110x63	7-21
	FPEHCRT/110X090	110x90	7-21
	FPEHCRT/125X090	125x90	7-21
	FPEHCRT/125X110	125x110	7-21
	FPEHCRT/160X090	160x90	7-21
	FPEHCRT/160X110	160x110	7-21
	FPEHCRT/160X125	160x125	7-21
	FPEHCRT/180X090	180x90	7-17
	FPEHCRT/180X125	180x125	7-17
	FPEHCRT/200X090	200x90	7-17
	FPEHCRT/200X110	200x110	7-17
	FPEHCRT/225X090	225x90	7-17
	FPEHCRT/225X110	225x110	7-17
	FPEHCRT/250X090	250x90	7-17
	FPEHCRT/250X110	250x110	7-17



POLYVALVES

	Code	Size (OD) mm
Full Bore Polyvalves	VPEHFB/025	25mm
	VPEHFB/032	32mm
	VPEHFB/050	50mm
	VPEHFB/063	63mm
	VPEHFB/090	90mm
	VPEHFB/110	110mm
Reduced Bore Polyvalves	VPEH/125	125mm
	VPEH/160	160mm



ELECTROFUSION END CAPS

	Code	Size (OD) mm	SDR
END CAP Coupler PN16 SDR 11	FPEHCCAP/020	20	7-11
	FPEHCCAP/025	25	7-11
	FPEHCCAP/032	32	7-11
	FPEHCCAP/040	40	7-11
	FPEHCCAP/050	50	7-11
	FPEHCCAP/063	63	7-11
	FPEHCCAP/075	75	7-11
	FPEHCCAP/090	90	7-17
	FPEHCCAP/110	110	7-17
	FPEHCCAP/125	125	7-17
	FPEHCCAP/160	160	7-17
	FPEHCCAP/180	180	7-17
	FPEHCCAP/200	200	7-17
	FPEHCCAP/225	225	7-17
	FPEHCCAP/250	250	7-17
	FPEHCCAP/280	280	7-17
	FPEHCCAP/315	315	7-17

ELECTROFUSION REDUCING COUPLERS

	Code	Size (OD) mm	SDR
Reducing Coupler PN16 SDR 11	FPEHCR/025X020	25 x 20	7-11
	FPEHCR/032X020	32 x 20	7-11
	FPEHCR/032X025	32 x 25	7-11
	FPEHCR/040X020	40 x 20	7-11
	FPEHCR/040X032	40 x 32	7-11
	FPEHCR/050X032	50 x 32	7-11
	FPEHCR/050X040	50 x 40	7-11
	FPEHCR/063X032	63 x 32	7-11
	FPEHCR/063X040	63 x 40	7-11
	FPEHCR/063X050	63 x 50	7-11
	FPEHCR/075X063	75 x 63	7-11
	FPEHCR/090X050	90 x 50	7-17
	FPEHCR/090X063	90 x 63	7-17
	FPEHCR/090X075	90 x 75	7-17
	FPEHCR/110X063	110 x 63	7-17
	FPEHCR/110X090	110 x 90	7-17
	FPEHCR/125X090	125 x 90	7-17
	FPEHCR/125X110	125 x 110	7-17
	FPEHCR/160X090	160 x 90	7-17
	FPEHCR/160X110	160 x 110	7-17
	FPEHCR/160X125	160 x 125	7-17
	FPEHCR/180X125	180 x 125	7-17

	Code	Size (OD) mm
Flex Restraint	FPEHCFLEX	160-1600



*Special tool required for installation

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PE100 METRIC



ELECTROFUSION & SPIGOT PIPING SYSTEMS

ELECTROFUSION 90° ELBOWS

	Code	Size (OD) mm	SDR
90° Elbow PN16 SDR 11	FPEHCEL90/020	20	7-11
	FPEHCEL90/025	25	7-11
	FPEHCEL90/032	32	7-11
	FPEHCEL90/040	40	7-17
	FPEHCEL90/050	50	7-17
	FPEHCEL90/063	63	7-17
	FPEHCEL90/075	75	7-17
	FPEHCEL90/090	90	7-17
	FPEHCEL90/110	110	7-17
	FPEHCEL90/125	125	7-17
	FPEHCEL90/140	140	7-17
	FPEHCEL90/160	160	7-17
	FPEHCEL90/180	180	7-17
	FPEHCEL90/200	200	7-17
	FPEHCEL90/225	225	7-17
	FPEHCEL90/250	250	7-17

ELECTROFUSION 45° ELBOWS

	Code	Size (OD) mm	SDR
45° Elbow PN16 SDR 11	FPEHCEL45/032	32	7-11
	FPEHCEL45/040	40	7-17
	FPEHCEL45/050	50	7-17
	FPEHCEL45/063	63	7-17
	FPEHCEL45/075	75	7-17
	FPEHCEL45/090	90	7-17
	FPEHCEL45/110	110	7-17
	FPEHCEL45/125	125	7-17
	FPEHCEL45/140	140	7-17
	FPEHCEL45/160	160	7-17
	FPEHCEL45/180	180	7-17
	FPEHCEL45/200	200	7-17
	FPEHCEL45/225	225	7-17
	FPEHCEL45/250	250	7-17

ELECTROFUSION 22° ELBOWS

	Code	Size (OD) mm	SDR
22° Elbow PN16 SDR 11	FPEHCEL22/090	90	7-17
	FPEHCEL22/110	110	7-17
	FPEHCEL22/125	125	7-17
	FPEHCEL22/160	160	7-17
	FPEHCEL22/180	180	7-17



ELECTROFUSION ADJUSTABLE ELBOWS

	Code	Size (OD) mm	SDR
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Adjustable Elbow 2 Couplers PN16 SDR 11



Suitable for welding at any angle of ±12° per side

Adjustable Elbow 1 Sided Coupler/Spigot PN16 SDR 11



Suitable for welding at any angle of ±12° one side



ELECTROFUSION ADJUSTABLE ELBOWS

	Code	Size (OD) mm	SDR
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FPEHCELADJ/090	90	7-17
FPEHCELADJ/110	110	7-17
FPEHCELADJ/125	125	7-17
FPEHCELADJ/160	160	7-21
FPEHCELADJ/180	180	7-17
FPEHCELADJ/200	200	7-17
FPEHCELADJ/225	225	7-17
FPEHCELADJ/250	250	7-17

FPEHCELSDJSP/110	110	7-17
FPEHCELSDJSP/125	125	7-17
FPEHCELSDJSP/160	160	7-21
FPEHCELSDJSP/180	180	7-17
FPEHCELSDJSP/200	200	7-17
FPEHCELSDJSP/225	225	7-17
FPEHCELSDJSP/250	250	7-17

PE TO STEEL ROLL GROOVE ADAPTORS

	Code	Size (OD) mm	SDR
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PE TO Steel Roll Groove Adaptor PN16 SDR 11	FPEHRGA/125X4	125 x 4"	7-17
	FPEHRGA/180X6	10 x 6"	7-17



PE100 METRIC



SADDLES

ELECTROFUSION TAPPING SADDLES			
	Code	Size (OD) mm	SDR
Tapping Saddle Underclamp PN16 SDR 11	FPEHUTS/040X020	40 x 20	7-11
	FPEHUTS/040X032	40 x 32	7-11
	FPEHUTS/050X020	50 x 20	7-11
	FPEHUTS/050X025	50 x 25	7-11
	FPEHUTS/050X032	50 x 32	7-11
	FPEHUTS/063X020	63 x 20	7-11
	FPEHUTS/063X025	63 x 25	7-11
	FPEHUTS/063X032	63 x 32	7-11
	FPEHUTS/063X040	63 x 40	7-11
	FPEHUTS/063X050	63 x 50	7-11
	FPEHUTS/063X063	63 x 63	7-11
	FPEHUTS/075X020	75 x 20	7-11
	FPEHUTS/075X032	75 x 32	7-11
	FPEHUTS/075X040	75 x 40	7-11
	FPEHUTS/075X050	75 x 50	7-11
	FPEHUTS/075X063	75 x 63	7-11
	FPEHUTS/090X020	90 x 20	7-17
	FPEHUTS/090X032	90 x 32	7-17
	FPEHUTS/090X040	90 x 40	7-17
	FPEHUTS/090X050	90 x 50	7-17
	FPEHUTS/090X063	90 x 63	7-17
	FPEHUTS/110X020	110 x 20	7-17
	FPEHUTS/110X032	110 x 32	7-17
	FPEHUTS/110X040	110 x 40	7-17
	FPEHUTS/110X050	110 x 50	7-17
	FPEHUTS/110X063	110 x 63	7-17
	FPEHUTS/125X020	125 x 20	7-17
	FPEHUTS/125X032	125 x 32	7-17
	FPEHUTS/125X040	125 x 40	7-17
	FPEHUTS/125X050	125 x 50	7-17
	FPEHUTS/125X063	125 x 63	7-17
	FPEHUTS/140X032	140 x 32	7-17
	FPEHUTS/140X040	140 x 40	7-17
	FPEHUTS/140X050	140 x 50	7-17
	FPEHUTS/140X063	140 x 63	7-17
	FPEHUTS/160X020	160 x 20	7-17
	FPEHUTS/160X032	160 x 32	7-17
	FPEHUTS/160X040	160 x 40	7-17
	FPEHUTS/160X050	160 x 50	7-17
	FPEHUTS/160X063	160 x 63	7-17
	FPEHUTS/180X020	180 x 20	7-17
	FPEHUTS/180X032	180 x 32	7-17
	FPEHUTS/180X040	180 x 40	7-17
	FPEHUTS/180X050	180 x 50	7-17
	FPEHUTS/180X063	180 x 63	7-17
	FPEHUTS/200X020	200 x 20	7-17
	FPEHUTS/200X032	200 x 32	7-17
	FPEHUTS/200X040	200 x 40	7-17
	FPEHUTS/200X050	200 x 50	7-17
	FPEHUTS/200X063	200 x 63	7-17
	FPEHUTS/225X020	225 x 20	7-17
	FPEHUTS/225X032	225 x 32	7-17
	FPEHUTS/225X040	225 x 40	7-17
	FPEHUTS/225X050	225 x 50	7-17
	FPEHUTS/225X063	225 x 63	7-17
	FPEHUTS/250X020	250 x 20	7-17
	FPEHUTS/250X032	250 x 32	7-17
	FPEHUTS/250X040	250 x 40	7-17
	FPEHUTS/250X050	250 x 50	7-17
	FPEHUTS/250X063	250 x 63	7-17



ELECTROFUSION BRANCH SADDLES			
	Code	Size (OD) mm	SDR
Branch Saddle Underclamp Spigot Off Take PN16 SDR 11	FPEHUBS/063X032	63 x 32	7-11
	FPEHUBS/063X040	63 x 40	7-11
	FPEHUBS/063X050	63 x 50	7-11
	FPEHUBS/063X063	63 x 63	7-11
	FPEHUBS/075X032	75 x 32	7-11
	FPEHUBS/075X040	75 x 40	7-11
	FPEHUBS/075X050	75 x 50	7-11
	FPEHUBS/075X063	75 x 63	7-11
	FPEHUBS/090X032	90 x 32	7-17
	FPEHUBS/090X040	90 x 40	7-17
	FPEHUBS/090X050	90 x 50	7-17
	FPEHUBS/090X063	90 x 63	7-17
	FPEHUBS/110X032	110 x 32	7-17
	FPEHUBS/110X040	110 x 40	7-17
	FPEHUBS/110X050	110 x 50	7-17
	FPEHUBS/110X063	110 x 63	7-17
	FPEHUBS/110X090	110 x 90	7-17
	FPEHUBS/125X032	125 x 32	7-17
	FPEHUBS/125X040	125 x 40	7-17
	FPEHUBS/125X050	125 x 50	7-17
	FPEHUBS/125X063	125 x 63	7-17
	FPEHUBS/125X090	125 x 90	7-17
	FPEHUBS/140X040	140 x 40	7-17
	FPEHUBS/140X063	140 x 63	7-17
	FPEHUBS/140X090	140 x 90	7-17
	FPEHUBS/160X032	160 x 32	7-17
	FPEHUBS/160X040	160 x 40	7-17
	FPEHUBS/160X050	160 x 50	7-17
	FPEHUBS/160X063	160 x 63	7-17
	FPEHUBS/160X090	160 x 90	7-17
	FPEHUBS/160X110	160 x 110	7-17
	FPEHUBS/180X032	180 x 32	7-17
	FPEHUBS/180X040	180 x 40	7-17
	FPEHUBS/180X050	180 x 50	7-17
	FPEHUBS/180X063	180 x 63	7-17
	FPEHUBS/180X090	180 x 90	7-17
	FPEHUBS/180X110	180 x 110	7-17
	FPEHUBS/200X063	200 x 63	7-17
	FPEHUBS/200X090	200 x 90	7-17
	FPEHUBS/200X110	200 x 110	7-17
	FPEHUBS/225X063	225 x 63	7-17
	FPEHUBS/225X090	225 x 90	7-17
	FPEHUBS/225X110	225 x 110	7-17
	FPEHUBS/250X063	250 x 63	7-17
	FPEHUBS/250X090	250 x 90	7-17
	FPEHUBS/250X110	250 x 110	7-17
	FPEHUBS/280X090	280 x 90	7-17
	FPEHUBS/315X090	315 x 90	7-17
Branch Saddle Underclamp BSP Off Take PN16 SDR 11	FPEHUBSBSP/063X11/4	63 x 1 1/4"	7-17
	FPEHUBSBSP/075X11/4	75 x 1 1/4"	7-17
	FPEHUBSBSP/090X2	90 x 2"	7-17
	FPEHUBSBSP/110X2	110 x 2"	7-17
	FPEHUBSBSP/125X2	125 x 2"	7-17
	FPEHUBSBSP/140X2	140 x 2"	7-17
	FPEHUBSBSP/160X2	160 x 2"	7-17
	FPEHUBSBSP/180X2	180 x 2"	7-17
	FPEHUBSBSP/200X2	200 x 2"	7-17
	FPEHUBSBSP/225X2	225 x 2"	7-17
	FPEHUBSBSP/250X2	250 x 2"	7-17



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PE100 METRIC



SADDLES

COMPRESSION TAPPING SADDLES

	Code	Size (OD) mm
Tapper Swivel Tee Metric PE	PLTAPSAD/063X025	63 x 25
	PLTAPSAD/125X025	125 x 25
	PLTAPSAD/180X025	180 x 25



Refer to our Compression Fittings catalogue for other sizes.

TAPPING SADDLE TOOLS

	Code
Allen Key for Tapping Saddle	PLASSONKEY/12MM

TOPLOAD BRANCH SADDLES*

	Code	Size (OD) mm	SDR
Topload Branch Saddle, Spigot Off Take, SDR11	FPEHTLBS/280-400X090	280-400x90	7-17
	FPEHTLBS/280-400X110	280-400x110	7-17
	FPEHTLBS/280-400X125	280-400x125	7-17
	FPEHTLBS/280-400X160	280-400x160	7-17
	FPEHTLBS/315-355X250	315-355x250	7-17
	FPEHTLBS/400X250	400x250	7-17
	FPEHTLBS/450-800X090	450-800x90	7-26
	FPEHTLBS/450-800X110	450-800x110	7-26
	FPEHTLBS/450-800X125	450-800x125	7-26
	FPEHTLBS/450-800X160	450-800x160	7-26
	FPEHTLBS/450X180	450x180	11-26
	FPEHTLBS/450X250	450x250	11-26
	FPEHTLBS/450X315	450x315	11-26
	FPEHTLBS/500-630X250	500-630x250	7-26
	FPEHTLBS/500X315	500x315	7-26
	FPEHTLBS/560X315	560x315	7-26
	FPEHTLBS/560X400	560x400	7-26
	FPEHTLBS/630X315	630x315	7-26
	FPEHTLBS/630X355	630x355	7-26
	FPEHTLBS/630X400	630x400	7-26
	FPEHTLBS/710X250	710x250	11-26
	FPEHTLBS/710X315	710x315	11-26
	FPEHTLBS/710X400	710x400	11-26
	FPEHTLBS/800X250	800x250	11-26
	FPEHTLBS/800X315	800x315	7-26
	FPEHTLBS/800X400	800x400	11-26
	FPEHTLBS/900X315	900x315	11-26
Topload Branch Saddle, BSP Brass Female Off Take, SDR11	FPEHTLTS/250-400X2	250-400x2"	7-17
	FPEHTLTS/450-800X2	450-800x2"	7-17

Rated to PN16
Other sizes available on request.



*Topload tool & cutter required for installation.

TOPLOAD SADDLES*

	Code	Size (OD) mm	SDR
Topload Saddle, Fixed 225mm 90° Off Take	FPEHWWTLBS/315-450X225	315-450x225	11-33
	FPEHWWTLBS/450-630X225	450-630x225	11-33
	FPEHWWTLBS/630-800X225	630-800x225	11-33
Topload Saddle, Fixed 110mm 45° Off Take	FPEHWYEBS/160-200X110	160-200x110	11-26
	FPEHWYEBS/225-315X110	225-315x110	11-26
Topload Saddle, Adjustable 160mm Off Take	FPEHWWBSAD/225-260X160	225-250x160	11-26
	FPEHWWBSAD/280-315X160	280-315x160	11-26
	FPEHWWBSAD/355-560X160	355-560x160	11-26
Topload Repair Saddle	FPEHCTRLS/250-900		
Topload Sensor Saddle, SS 316 BSP	FPEHTLSS/110-400X1/2	110-400x1/2"	11
	FPEHTLSS/110-400X3/4	110-400x3/4"	11
	FPEHTLSS/110-400X1	10-400x1"	11
	FPEHTLSS/450-1200X1/2	450-1200x1/2"	11
	FPEHTLSS/450-1200X3/4	450-1200x3/4"	11
	FPEHTLSS/450-1200X1	450-1200x1"	11

*Topload tool and cutter required for installation.

TOPLOAD TOOLS AND CUTTERS

NOTE:

Approved top loading tools and cutters must be used when installing Saddles. These can be purchased or hired from Asmuss. Please contact our sales team for further information.

PE100 METRIC



ELECTROFUSION TRANSITION FITTINGS

ELECTROFUSION BRASS TRANSITION COUPLINGS

	Code	Size (OD) mm x in	SDR
Transition Coupling Male Brass	FPEHMBA/020X1/2	20 x 1/2	7-11
	FPEHMBA/025X3/4	25 x 3/4	7-11
	FPEHMBA/032X1	32 x 1	7-11
	FPEHMBA/032X11/4	32 x 1 1/4	7-11
	FPEHMBA/040X1	40 x 1	7-11
	FPEHMBA/040X11/4	40 x 1 1/4	7-11
	FPEHMBA/040X11/2	40 x 1 1/2	7-11
	FPEHMBA/050X11/2	50 x 1 1/2	7-11
	FPEHMBA/050X2	50 x 2	7-11
	FPEHMBA/063X11/4	63 x 1 1/4	7-11
	FPEHMBA/063X11/2	63 x 1 1/2	7-11
	FPEHMBA/063X2	63 x 2	7-11
	FPEHMBA/075X2	75 x 2	7-17
	FPEHMBA/075X21/2	75 x 2 1/2	7-17
Transition Coupling Female Brass BSP OUTLET PN16 SDR 11	FPEHFBA/020X1/2	20 x 1/2	7-11
	FPEHFBA/025X3/4	25 x 3/4	7-11
	FPEHFBA/032X1	32 x 1	7-11
	FPEHFBA/040X11/4	40 x 1 1/4	7-11
	FPEHFBA/050X11/2	50 x 1 1/2	7-11
	FPEHFBA/050X2	50 x 2	7-11
	FPEHFBA/063X11/2	63 x 1 1/2	7-11
	FPEHFBA/063X2	63 x 2	7-11

ELECTROFUSION STAINLESS STEEL TRANSITION ADAPTORS

	Code	Size (OD) mm x in	SDR
Transition Coupling Male St. Steel BSP Outlet PN16 SDR 11	FPEHMSA/040X11/4	40 x 1 1/4	7-11
	FPEHMSA/050X11/2	50 x 1 1/2	7-11
	FPEHMSA/063X11/2	63 x 1 1/2	7-11
	FPEHMSA/063X2	63 x 2	7-11



SPIGOT BRASS TRANSITION ADAPTORS

	Code	Size (OD) mm	SDR
Transition Adaptor Male Brass Spigot	FPEHMASP/020X1/2	20 x 1/2	7-11
	FPEHMASP/025X3/4	25 x 3/4	7-11
	FPEHMASP/032X1	32 x 1	7-11
	FPEHMASP/032X11/2	32 x 1 1/2	7-11
	FPEHMASP/032X11/4	32 x 1 1/4	7-11
	FPEHMASP/032X3/4	32 x 3/4	7-11
	FPEHMASP/040X1	40 x 1	7-11
	FPEHMASP/040X11/4	40 x 1 1/4	7-11
	FPEHMASP/040X11/2	40 x 1 1/2	7-11
	FPEHMASP/040X2	40 x 2	7-11
	FPEHMASP/050X1	50 x 1	7-11
	FPEHMASP/050X11/4	50 x 1 1/4	7-11
	FPEHMASP/050X11/2	50 x 1 1/2	7-11
	FPEHMASP/050X2	50 x 2	7-11
	FPEHMASP/063X11/4	63 x 1 1/4	7-11
Transition Adaptor Female Brass Spigot	FPEHMASP/063X11/2	63 x 1 1/2	7-11
	FPEHMASP/063X2	63 x 2	7-11
	FPEHFASP/020X1/2	20 x 1/2	7-11
	FPEHFASP/025X3/4	25 x 3/4	7-11
	FPEHFASP/032X3/4	32 x 3/4	7-11
	FPEHFASP/032X1	32 x 1	7-11
	FPEHFASP/032X11/2	32 x 1 1/2	7-11
	FPEHFASP/040X1	40 x 1	7-11
	FPEHFASP/040X11/4	40 x 1 1/4	7-11
	FPEHFASP/040X11/2	40 x 1 1/2	7-11

SPIGOT PE TRANSITION ADAPTOR

	Code	Size (OD) mm x in	SDR
Spigot PE Transition Adaptor PN16 SDR 11	FPEHNIPTLS/025X3/4	25 x 3/4"	7-11
	FPEHNIPTLS/032X1	32 x 1"	7-11
	FPEHNIPTLS/040X1	40 x 1"	7-11
	FPEHNIPTLS/040X11/4	40 x 1 1/4"	7-11
	FPEHNIPTLS/040X11/2	40 x 1 1/2"	7-11
	FPEHNIPTLS/050X11/2	50 x 1 1/2"	7-11
	FPEHNIPTLS/063X11/2	63 x 1 1/2"	7-11
	FPEHNIPTLS/063X2	63 x 2"	7-11



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PE100 METRIC

SIMONA

SDR11 SPIGOT FITTINGS

LONG SPIGOT STUB FLANGES

	Code	Size (OD) mm
PE100 SDR11 Long Spigot Stub Flange	FPEHSF/025	25mm
	FPEHSF/032	32mm
	FPEHSF/040	40mm
	FPEHSF/050	50mm
	FPEHSF/063	63mm
	FPEHSF/075	75mm
	FPEHSF/090	90mm
	FPEHSF/110	110mm
	FPEHSF/125	125mm
	FPEHSF/140	140mm
	FPEHSF/160	160mm
	FPEHSF/180	180mm
	FPEHSF/200	200mm
	FPEHSF/225	225mm
	FPEHSF/250	250mm
	FPEHSF/280	280mm
	FPEHSF/315	315mm
	FPEHSF/355	355mm
	FPEHSF/400	400mm
	FPEHSF/450	450mm
	FPEHSF/500	500mm
	FPEHSF/560	560mm
	FPEHSF/630	630mm

FULL BORE FULL FACE FLANGES

	Code	Size (OD) mm
Full Faced PE100 SDR11 Slim Flange Assembly Complete with FBE 4087 PN16 Backing Ring	SlimFlangeFFN/250X200	250 X 200mm
	SlimFlangeFFN/315X250	315 X 250mm
	SlimFlangeFFN/355X300	355 X 300mm
Full Faced PE100 SDR11 Slim Flange Assembly Complete with SS 316 4087 PN16 Backing Ring	SlimFlangeFFNSS/250X200	250 X 200mm
	SlimFlangeFFNSS/315X250	315 X 250mm
	SlimFlangeFFNSS/355X300	355 X 300mm



LONG SPIGOT 90° ELBOWS

	Code	Size (OD) mm
PE100 SDR11 Long Spigot Elbow 90 °	FPEHEL90/025	25mm
	FPEHEL90/032	32mm
	FPEHEL90/040	40mm
	FPEHEL90/050	50mm
	FPEHEL90/063	63mm
	FPEHEL90/075	75mm
	FPEHEL90/090	90mm
	FPEHEL90/110	110mm
	FPEHEL90/125	125mm
	FPEHEL90/140	140mm
	FPEHEL90/160	160mm
	FPEHEL90/180	180mm
	FPEHEL90/200	200mm
	FPEHEL90/225	225mm
	FPEHEL90/250	250mm
	FPEHEL90/280	280mm
	FPEHEL90/315	315mm
	FPEHEL90/355	355mm
	FPEHEL90/400	400mm
	FPEHEL90/450	450mm
	FPEHEL90/500	500mm



LONG SPIGOT 45° ELBOWS

	Code	Size (OD) mm
PE100 SDR11 Long Spigot Elbow 45 °	FPEHEL45/025	25mm
	FPEHEL45/032	32mm
	FPEHEL45/040	40mm
	FPEHEL45/050	50mm
	FPEHEL45/063	63mm
	FPEHEL45/075	75mm
	FPEHEL45/090	90mm
	FPEHEL45/110	110mm
	FPEHEL45/125	125mm
	FPEHEL45/140	140mm
	FPEHEL45/160	160mm
	FPEHEL45/180	180mm
	FPEHEL45/200	200mm
	FPEHEL45/225	225mm
	FPEHEL45/250	250mm
	FPEHEL45/280	280mm
	FPEHEL45/315	315mm
	FPEHEL45/355	355mm
	FPEHEL45/400	400mm
	FPEHEL45/450	450mm
	FPEHEL45/500	500mm



REDUCED BORE FLANGES

	Code	Size (OD) mm
PE100 SDR11 Reduced Bore Flange	P5316.J.250200	250 X 200mm
	P5316.J.315250	315 X 250mm
	P5316.J.315300	315 x 300mm
	P5316.J.450375	450 X 375mm

Standard - FBE Coated 4087 b/Ring. Long Spigot. Multiple SDR ratings, Backing Ring material and drillings available



PE100 METRIC

SDR11 SPIGOT FITTINGS

LONG SPIGOT REDUCERS

**PE100 SDR11
Long Spigot Reducer**



	Code	Size (OD) mm
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FPEHR/025X020	25 X 20mm
FPEHR/032X020	32 X 20mm
FPEHR/032X025	32 X 25mm
FPEHR/040X020	40 X 20mm
FPEHR/040X025	40 X 25mm
FPEHR/040X032	40 X 32mm
FPEHR/050X032	50 X 32mm
FPEHR/050X040	50 X 40mm
FPEHR/063X032	63 X 32mm
FPEHR/063X040	63 X 40mm
FPEHR/063X050	63 X 50mm
FPEHR/075X040	75 X 40mm
FPEHR/075X050	75 X 50mm
FPEHR/075X063	75 X 63mm
FPEHR/090X050	90 X 50mm
FPEHR/090X063	90 X 63mm
FPEHR/090X075	90 X 75mm
FPEHR/110X063	110 X 63mm
FPEHR/110X075	110 X 75mm
FPEHR/110X090	110 X 90mm
FPEHR/125X063	125 X 63mm
FPEHR/125X075	125 X 75mm
FPEHR/125X090	125 X 90mm
FPEHR/125X110	125 X 110mm
FPEHR/140X125	140 X 125mm
FPEHR/160X090	160 X 90mm
FPEHR/160X110	160 X 110mm
FPEHR/160X125	160 X 125mm
FPEHR/160X140	160 X 140mm
FPEHR/180X090	180 X 90mm
FPEHR/180X125	180 X 125mm
FPEHR/180X140	180 X 140mm
FPEHR/180X160	180 X 160M
FPEHR/200X160	200 X 160mm
FPEHR/200X180	200 X 180mm
FPEHR/225X160	225 X 160mm
FPEHR/225X180	225 X 180mm
FPEHR/225X200	225 X 200mm
FPEHR/250X180	250 X 180mm
FPEHR/250X200	250 X 200mm
FPEHR/250X225	250 X 225mm
FPEHR/280X225	280 X 225mm
FPEHR/280X250	280 X 250mm
FPEHR/315X225	315 X 225mm
FPEHR/315X250	315 X 250mm
FPEHR/355X250	355 X 250mm
FPEHR/355X315	355 X 315mm
FPEHR/450X355	450 X 355mm

SIMONA

LONG SPIGOT TEES

	Code	Size (OD) mm
PE100 SDR11 Long Spigot Tee	FPEHT/020	20mm
	FPEHT/025	25mm
	FPEHT/032	32mm
	FPEHT/040	40mm
	FPEHT/050	50mm
	FPEHT/063	63mm
	FPEHT/075	75mm
	FPEHT/090	90mm
	FPEHT/110	110mm
	FPEHT/125	125mm
	FPEHT/140	140mm
	FPEHT/160	160mm
	FPEHT/180	180mm
	FPEHT/200	200mm
	FPEHT/225	225mm
	FPEHT/250	250mm
	FPEHT/280	280mm
	FPEHT/315	315mm
	FPEHT/355	355mm
	FPEHT/400	400mm
	FPEHT/450	450mm
	FPEHT/500	500mm
	FPEHT/560	560mm
	FPEHT/630	630mm

LONG SPIGOT HYDRANT TEES

	Code	Size (OD) mm
PE100 SDR11 Long Spigot Hydrant Tee	FPEHHT/125	125 X Hydrant
	FPEHHT/180	180 X Hydrant
	FPEHHT/250	250 X Hydrant

LONG SPIGOT END CAPS

	Code	Size (OD) mm
PE100 SDR11 Long Spigot Cap	FPEHCAP/025	25mm
	FPEHCAP/032	32mm
	FPEHCAP/040	40mm
	FPEHCAP/050	50mm
	FPEHCAP/063	63mm
	FPEHCAP/075	75mm
	FPEHCAP/090	90mm
	FPEHCAP/110	110mm
	FPEHCAP/125	125mm
	FPEHCAP/140	140mm
	FPEHCAP/160	160mm
	FPEHCAP/180	180mm
	FPEHCAP/200	200mm
	FPEHCAP/225	225mm
	FPEHCAP/250	250mm
	FPEHCAP/280	280mm
	FPEHCAP/315	315mm
	FPEHCAP/355	355mm
	FPEHCAP/400	400mm

THE SMARTER CHOICE.

PE100 METRIC

SDR17 SPIGOT FITTINGS

LONG SPIGOT TEES		
	Code	Size (OD) mm
PE100 SDR17 Long Spigot Tee	FPE17HT/090	90mm
	FPE17HT/110	110mm
	FPE17HT/125	125mm
	FPE17HT/140	140mm
	FPE17HT/160	160mm
	FPE17HT/180	180mm
	FPE17HT/200	200mm
	FPE17HT/225	225mm
	FPE17HT/250	250mm
	FPE17HT/280	280mm
	FPE17HT/315	315mm
	FPE17HT/355	355mm
	FPE17HT/400	400mm
	FPE17HT/450	450mm
	FPE17HT/500	500mm
	FPE17HT/560	560mm
	FPE17HT/630	630mm



ANGLE BRANCH WYE		
	Code	Size (OD) mm
PE100 SDR17 Long Spigot Angle Branch Wye	FPE17HWYE/110	110mm
	FPE17HWYE/160	160mm
	FPE17HWYE/200	200mm
	FPE17HWYE/225	225mm
	FPE17HWYE/250	250mm



LONG SPIGOT STUB FLANGES		
	Code	Size (OD) mm
PE100 SDR17 Long Spigot Stub Flange	FPE17HSF/090	90mm
	FPE17HSF/110	110mm
	FPE17HSF/125	125mm
	FPE17HSF/140	140mm
	FPE17HSF/160	160mm
	FPE17HSF/180	180mm
	FPE17HSF/200	200mm
	FPE17HSF/225	225mm
	FPE17HSF/250	250mm
	FPE17HSF/280	280mm
	FPE17HSF/315	315mm
	FPE17HSF/355	355mm
	FPE17HSF/400	400mm
	FPE17HSF/450	450mm
	FPE17HSF/500	500mm
	FPE17HSF/560	560mm
	FPE17HSF/630	630mm



LONG SPIGOT 90° ELBOWS		
	Code	Size (OD) mm
PE100 SDR17 Long Spigot Elbow 90°	FPE17HEL90/090	90mm
	FPE17HEL90/110	110mm
	FPE17HEL90/125	125mm
	FPE17HEL90/140	140mm
	FPE17HEL90/160	160mm
	FPE17HEL90/180	180mm
	FPE17HEL90/200	200mm
	FPE17HEL90/225	225mm
	FPE17HEL90/250	250mm
	FPE17HEL90/280	280mm
	FPE17HEL90/315	315mm
	FPE17HEL90/355	355mm
	FPE17HEL90/400	400mm
	FPE17HEL90/450	450mm
	FPE17HEL90/500	500mm



LONG SPIGOT 45° ELBOWS		
	Code	Size (OD) mm
PE100 SDR17 Long Spigot Elbow 45°	FPE17HEL45/090	90mm
	FPE17HEL45/110	110mm
	FPE17HEL45/125	125mm
	FPE17HEL45/140	140mm
	FPE17HEL45/160	160mm
	FPE17HEL45/180	180mm
	FPE17HEL45/200	200mm
	FPE17HEL45/225	225mm
	FPE17HEL45/250	250mm
	FPE17HEL45/280	280mm
	FPE17HEL45/315	315mm
	FPE17HEL45/355	355mm
	FPE17HEL45/400	400mm
	FPE17HEL45/450	450mm
	FPE17HEL45/500	500mm



LONG SPIGOT REDUCERS		
	Code	Size (OD) mm
PE100 SDR17 Long Spigot Reducer	FPE17HR/090X075	90 X 75mm
	FPE17HR/110X063	110 X 63mm
	FPE17HR/110X090	110 X 90mm
	FPE17HR/125X110	125 X 110mm
	FPE17HR/140X125	140 X 125mm
	FPE17HR/160X110	160 X 110mm
	FPE17HR/160X125	160 X 125mm
	FPE17HR/160X140	160 X 140mm
	FPE17HR/180X110	180 X 110mm
	FPE17HR/180X140	180 X 140mm
	FPE17HR/180X160	180 X 160mm
	FPE17HR/200X160	200 X 160mm
	FPE17HR/225X160	225 X 160mm
	FPE17HR/225X200	225 X 200mm
	FPE17HR/250X200	250 X 200mm
	FPE17HR/250X225	250 X 225mm
	FPE17HR/280X250	280 X 250mm
	FPE17HR/315X200	315 X 200mm
	FPE17HR/315X225	315 X 225mm
	FPE17HR/315X250	315 X 250mm
	FPE17HR/315X250	315 X 250mm
	FPE17HR/355X250	355 X 250mm
	FPE17HR/355X315	355 X 315mm
	FPE17HR/450X355	450 X 355mm



PE100 METRIC



BUTTWELD FITTINGS

SDR11 BUTT WELD STUB FLANGES

	Code	Size (OD) mm
PE100 SDR11 Butt Weld Stub Flange	FPEHSFBW/250	250mm
	FPEHSFBW/280	280mm
	FPEHSFBW/315	315mm
	FPEHSFBW/355	355mm
	FPEHSFBW/400	400mm
	FPEHSFBW/450	450mm
	FPEHSFBW/500	500mm
	FPEHSFBW/630	630mm
	FPEHSFBW/710	710mm
	FPEHSFBW/800	800mm
Other sizes available on request	FPEHSFBW/900	900mm
	FPEHSFBW/1000	1000mm

SDR11 BUTT WELD TEES

	Code	Size (OD) mm
PE100 SDR11 Butt Weld Tee	FPEHTBW/355	355mm
	FPEHTBW/400	400mm
	FPEHTBW/450	450mm
	FPEHTBW/500	500mm

SDR11 BUTT WELD REDUCERS

	Code	Size (OD) mm
PE100 SDR11 Butt Weld Reducer	FPEHRBW/315X200	315 X 200mm
	FPEHRBW/315X225	315 X 225mm
	FPEHRBW/315X250	315 X 250mm
	FPEHRBW/355X225	355 X 225mm
	FPEHRBW/355X250	355 X 250mm
	FPEHRBW/355X280	355 X 280mm
	FPEHRBW/355X315	355 X 315mm
	FPEHRBW/400X250	400 X 250mm
	FPEHRBW/400X280	400 X 280mm
	FPEHRBW/400X315	400 X 315mm
	FPEHRBW/400X355	400 X 355mm
	FPEHRBW/450X280	450 X 280mm
	FPEHRBW/450X315	450 X 315mm
	FPEHRBW/450X355	450 X 355mm
	FPEHRBW/450X400	450 X 400mm
	FPEHRBW/500X355	500 X 355mm
	FPEHRBW/500X400	500 X 400mm
	FPEHRBW/500X450	500 X 450mm
	FPEHRBW/560X400	560 X 400mm
	FPEHRBW/560X450	560 X 450mm
	FPEHRBW/560X500	560 X 500mm
	FPEHRBW/630X400	630 X 400mm
	FPEHRBW/630X450	630 X 450mm
	FPEHRBW/630X500	630 X 500mm
	FPEHRBW/630X560	630 X 560mm
Other sizes available on request	FPEHRBW/710X560	710 X 560mm
	FPEHRBW/710X630	710 X 630mm

SDR17 BUTT WELD STUB FLANGES

	Code	Size (OD) mm
PE100 SDR17 Butt Weld Stub Flange	FPE17HSFBW/280	280mm
	FPE17HSFBW/315	315mm
	FPE17HSFBW/355	355mm
	FPE17HSFBW/400	400mm
	FPE17HSFBW/450	450mm
	FPE17HSFBW/500	500mm
	FPE17HSFBW/560	560mm
	FPE17HSFBW/630	630mm
	FPE17HSFBW/710	710mm
	FPE17HSFBW/800	800mm
	FPE17HSFBW/900	900mm
Other sizes available on request	FPE17HSFBW/1000	1000mm

SDR17 BUTT WELD TEES

	Code	Size (OD) mm
PE100 SDR17 Butt Weld Tee	FPE17HTBW/355	355mm
	FPE17HTBW/400	400mm
	FPE17HTBW/450	450mm
	FPE17HTBW/500	500mm

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BACKING RINGS

AND DRESSING SETS

FBE COATED BACKING RINGS FOR PE

	Code	Size (OD) mm
FBE Coated Backing Ring for PE 4087 PN16 Drilling	FPEBRNTD/063	63
	FPEBRNTD/090	90
	FPEBRNTD/110	110
	FPEBRNTD/125	125
	FPEBRNTD/160	160
	FPEBRNTD/180	180
	FPEBRNTD/225	225
	FPEBRNTD/250	250
	FPEBRNTD/315	315
	FPEBRNTD/355	355
	FPEBRNTD/400	400
	FPEBRNTD/450	450
	FPEBRNTD/500	500
	FPEBRNTD/560	560
	FPEBRNTD/630	630
FBE Coated Backing Ring for PE Table E Drilling	FPEBRNTE/160	160
	FPEBRNTE/180	180
	FPEBRNTE/200	200
	FPEBRNTE/250	250
	FPEBRNTE/315	315



SS BACKING RINGS FOR PE

	Code	Size (OD) mm	Bolt Length mm
Dressing Set 316SS Bolts Table D EPDM Gasket	FPEHDRESS316TD/063	63	75
	FPEHDRESS316TD/075	75	75
	FPEHDRESS316TD/090	90	90
	FPEHDRESS316TD/110	110	90
	FPEHDRESS316TD/125	125	90
*FPEHDRESS316TD/140	140	90	
FPEHDRESS316TD/160	160	110	
FPEHDRESS316TD/180	180	110	
FPEHDRESS316TD/200	200	110	
FPEHDRESS316TD/225	225	110	
FPEHDRESS316TD/250	250	110	
FPEHDRESS316TD/280	280	110	
FPEHDRESS316TD/315	315	130	
FPEHDRESS316TD/355	355	130	
Dressing Set Galv Bolts Table D EPDM Gasket	FPEHDRESSGTD/063	63	75
	FPEHDRESSGTD/075	75	75
	FPEHDRESSGTD/090	90	90
	FPEHDRESSGTD/110	110	90
	FPEHDRESSGTD/125	125	90
*FPEHDRESSGTD/140	140	90	
FPEHDRESSGTD/160	160	110	
FPEHDRESSGTD/180	180	110	
FPEHDRESSGTD/200	200	110	
FPEHDRESSGTD/225	225	110	
FPEHDRESSGTD/250	250	110	
FPEHDRESSGTD/280	280	110	
FPEHDRESSGTD/315	315	130	
FPEHDRESSGTD/355	355	130	



* Table D/E



* Table D/E

GALVANISED BACKING RINGS FOR PE

	Code	Size (OD) mm
Galvanised Backing Ring for PE 4087 PN16 Drilling	FPEBRGTD/032	32
	FPEBRGTD/040	40
	FPEBRGTD/050	50
	FPEBRGTD/063	63
	FPEBRGTD/075	75
	FPEBRGTD/090	90
	FPEBRGTD/110	110
	FPEBRGTD/125	125
	FPEBRGTD/140	140
	FPEBRGTD/160	160
	FPEBRGTD/180	180
	FPEBRGTD/200	200
	FPEBRGTD/225	225
	FPEBRGTD/250	250
	FPEBRGTD/280	280
	FPEBRGTD/315	315
	FPEBRGTD/355	355
	FPEBRGTD/400	400
	FPEBRGTD/450	450
	FPEBRGTD/500	500
	FPEBRGTD/560	560
	FPEBRGTD/630	630
	FPEBRGTD/710	710
	FPEBRGTD/800	800
	FPEBRGTD/900	900
	FPEBRGTD/1000	1000
	FPEBRGTD/1200	1200
Galvanised Backing Ring for PE Table E Drilling	FPEBRGTE/160	160
	FPEBRGTE/180	180
	FPEBRGTE/200	200
	FPEBRGTE/225	225
	FPEBRGTE/250	250
	FPEBRGTE/280	280
	FPEBRGTE/315	315
	FPEBRGTE/450	450

SS BACKING RINGS FOR PE

	Code	Size (OD) mm
SS 316 Backing Ring for PE 4087 PN16 Drilling	FPEBRSSSTD/090	90
	FPEBRSSSTD/110	110
	FPEBRSSSTD/125	125
	FPEBRSSSTD/160	160
	FPEBRSSSTD/180	180
	FPEBRSSSTD/225	225
	FPEBRSSSTD/250	250
	FPEBRSSSTD/315	315
	FPEBRSSSTD/355	355
	FPEBRSSSTD/400	400
	FPEBRSSSTD/450	450
	FPEBRSSSTD/500	500
	FPEBRSSSTD/630	630
SS 316 Backing Ring for PE Table E Drilling	FPEBRSSSTE/160	160
	FPEBRSSSTE/280	280
	FPEBRSSSTE/450	450
	FPEBRSSSTE/560	560

ADVANTAGE 29 SERIES

FULL BORE, LONG SPIGOT, FABRICATED MITRED BENDS

Asmuss has supplied bespoke fabricated fittings for major projects for many years. As the size of pipe manufactured in New Zealand increases, so too has the demand for off the shelf large bore fittings. Our Plasson and Simona moulded HDPE spigot fittings range has increased to follow HDPE capability, and we can now offer standard pricing for large bore fabricated bends and tees on a made to order basis. Other fittings such as reducing tees and reducers are also available on a POA basis.

The fabricated fittings are made from PE100 pipe made in accordance with AS/NZS 4130 and the fabrication fittings follow POP006 PIPA guidelines.

ADVANTAGE 29 SERIES: FULL BORE, LONG SPIGOT, FABRICATED MITRED BENDS

Manufactured In Accordance with POP006, the 29 Series bends are manufactured to the exact dimensional requirements in terms of pressure rating and specific SDR. The mitre configurations are designed using POP006 PN=fB xPN Pipe. The mitre angles shall not be greater than 15 degrees.

ADVANTAGE 29 SERIES - FULL BORE SDR11/PN16 MITRE BENDS						
	Code	Size OD (mm)		Code	Size OD (mm)	
11° SDR11/PN16 1 Mitre Bend	FFPEH29B11DEG/110 FFPEH29B11DEG/125 FFPEH29B11DEG/160 FFPEH29B11DEG/180 FFPEH29B11DEG/200 FFPEH29B11DEG/225 FFPEH29B11DEG/250 FFPEH29B11DEG/280 FFPEH29B11DEG/315 FFPEH29B11DEG/355 FFPEH29B11DEG/400 FFPEH29B11DEG/450 FFPEH29B11DEG/500 FFPEH29B11DEG/560 FFPEH29B11DEG/630 FFPEH29B11DEG/710 FFPEH29B11DEG/800 FFPEH29B11DEG/900 FFPEH29B11DEG/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000		45° SDR11/PN16 3 Mitre Bend	FFPEH29B45DEG/110 FFPEH29B45DEG/125 FFPEH29B45DEG/160 FFPEH29B45DEG/180 FFPEH29B45DEG/200 FFPEH29B45DEG/225 FFPEH29B45DEG/250 FFPEH29B45DEG/280 FFPEH29B45DEG/315 FFPEH29B45DEG/355 FFPEH29B45DEG/400 FFPEH29B45DEG/450 FFPEH29B45DEG/500 FFPEH29B45DEG/560 FFPEH29B45DEG/630 FFPEH29B45DEG/710 FFPEH29B45DEG/800 FFPEH29B45DEG/900 FFPEH29B45DEG/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000
22.5° SDR11/PN16 2 Mitre Bend	FFPEH29B22.5DEG/110 FFPEH29B22.5DEG/125 FFPEH29B22.5DEG/160 FFPEH29B22.5DEG/180 FFPEH29B22.5DEG/200 FFPEH29B22.5DEG/225 FFPEH29B22.5DEG/250 FFPEH29B22.5DEG/280 FFPEH29B22.5DEG/315 FFPEH29B22.5DEG/355 FFPEH29B22.5DEG/400 FFPEH29B22.5DEG/450 FFPEH29B22.5DEG/500 FFPEH29B22.5DEG/560 FFPEH29B22.5DEG/630 FFPEH29B22.5DEG/710 FFPEH29B22.5DEG/800 FFPEH29B22.5DEG/900 FFPEH29B22.5DEG/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000		90° SDR11/PN16 6 Mitre Bend	FFPEH29B90DEG/110 FFPEH29B90DEG/125 FFPEH29B90DEG/160 FFPEH29B90DEG/180 FFPEH29B90DEG/200 FFPEH29B90DEG/225 FFPEH29B90DEG/250 FFPEH29B90DEG/280 FFPEH29B90DEG/315 FFPEH29B90DEG/355 FFPEH29B90DEG/400 FFPEH29B90DEG/450 FFPEH29B90DEG/500 FFPEH29B90DEG/560 FFPEH29B90DEG/630 FFPEH29B90DEG/710 FFPEH29B90DEG/800 FFPEH29B90DEG/900 FFPEH29B90DEG/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000

FURTHER OPTIONS AVAILABLE ON REQUEST:

- We are able to fabricate to all other dedicated PN ratings
- Fully moulded bends are available in some sizes
- 30° and 60° options are available in all sizes
- Butt Welded options are available in all sizes and angles

THE SMARTER CHOICE.

ADVANTAGE 29 SERIES

FULL BORE, LONG SPIGOT, FABRICATED MITRED BENDS

ADVANTAGE 29 SERIES - FULL BORE SDR17/PN10 MITRE BENDS

	Code	Size OD (mm)		Code	Size OD (mm)
11° SDR17/PN10 1 Mitre Bend	FFPE17H29B11DEG/110 FFPE17H29B11DEG/125 FFPE17H29B11DEG/160 FFPE17H29B11DEG/180 FFPE17H29B11DEG/200 FFPE17H29B11DEG/225 FFPE17H29B11DEG/250 FFPE17H29B11DEG/280 FFPE17H29B11DEG/315 FFPE17H29B11DEG/355 FFPE17H29B11DEG/400 FFPE17H29B11DEG/450 FFPE17H29B11DEG/500 FFPE17H29B11DEG/560 FFPE17H29B11DEG/630 FFPE17H29B11DEG/710 FFPE17H29B11DEG/800 FFPE17H29B11DEG/900 FFPE17H29B11DEG/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000	45° SDR17/PN10 3 Mitre Bend	FFPE17H29B45DEG/110 FFPE17H29B45DEG/125 FFPE17H29B45DEG/160 FFPE17H29B45DEG/180 FFPE17H29B45DEG/200 FFPE17H29B45DEG/225 FFPE17H29B45DEG/250 FFPE17H29B45DEG/280 FFPE17H29B45DEG/315 FFPE17H29B45DEG/355 FFPE17H29B45DEG/400 FFPE17H29B45DEG/450 FFPE17H29B45DEG/500 FFPE17H29B45DEG/560 FFPE17H29B45DEG/630 FFPE17H29B45DEG/710 FFPE17H29B45DEG/800 FFPE17H29B45DEG/900 FFPE17H29B45DEG/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000
22.5° SDR17/PN10 2 Mitre Bend	FFPE17H29B22.5DEG/110 FFPE17H29B22.5DEG/125 FFPE17H29B22.5DEG/160 FFPE17H29B22.5DEG/180 FFPE17H29B22.5DEG/200 FFPE17H29B22.5DEG/225 FFPE17H29B22.5DEG/250 FFPE17H29B22.5DEG/280 FFPE17H29B22.5DEG/315 FFPE17H29B22.5DEG/355 FFPE17H29B22.5DEG/400 FFPE17H29B22.5DEG/450 FFPE17H29B22.5DEG/500 FFPE17H29B22.5DEG/560 FFPE17H29B22.5DEG/630 FFPE17H29B22.5DEG/710 FFPE17H29B22.5DEG/800 FFPE17H29B22.5DEG/900 FFPE17H29B22.5DEG/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000	90° SDR17/PN10 6 Mitre Bend	FFPE17H29B90DEG/110 FFPE17H29B90DEG/125 FFPE17H29B90DEG/160 FFPE17H29B90DEG/180 FFPE17H29B90DEG/200 FFPE17H29B90DEG/225 FFPE17H29B90DEG/250 FFPE17H29B90DEG/280 FFPE17H29B90DEG/315 FFPE17H29B90DEG/355 FFPE17H29B90DEG/400 FFPE17H29B90DEG/450 FFPE17H29B90DEG/500 FFPE17H29B90DEG/560 FFPE17H29B90DEG/630 FFPE17H29B90DEG/710 FFPE17H29B90DEG/800 FFPE17H29B90DEG/900 FFPE17H29B90DEG/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000

FURTHER OPTIONS AVAILABLE ON REQUEST:

- We are able to fabricate to all other dedicated PN ratings
- Fully moulded bends are available in some sizes
- 30° and 60° options are available in all sizes
- Butt Welded options are available in all sizes and angles

ADVANTAGE 28 SERIES

REDUCED BORE, LONG SPIGOT, FABRICATED MITRED BENDS

Manufactured In Accordance with POP006, the 28 Series bends made from pipe with an increased SDR dimension to achieve the desired PN rating. This option requires less mitres and can be used if a reduced bore is acceptable.

**ADVANTAGE 28 SERIES -
REDUCED BORE PN16 MITRE BENDS**

	Code	Size (OD) mm
22.5° PN16 1 Mitre Bend	FFPEH28B22.5DEGPN16/110 FFPEH28B22.5DEGPN16/125 FFPEH28B22.5DEGPN16/160 FFPEH28B22.5DEGPN16/180 FFPEH28B22.5DEGPN16/200 FFPEH28B22.5DEGPN16/225 FFPEH28B22.5DEGPN16/250 FFPEH28B22.5DEGPN16/280 FFPEH28B22.5DEGPN16/315 FFPEH28B22.5DEGPN16/355 FFPEH28B22.5DEGPN16/400 FFPEH28B22.5DEGPN16/450 FFPEH28B22.5DEGPN16/500 FFPEH28B22.5DEGPN16/560 FFPEH28B22.5DEGPN16/630 FFPEH28B22.5DEGPN16/710 FFPEH28B22.5DEGPN16/800 FFPEH28B22.5DEGPN16/900 FFPEH28B22.5DEGPN16/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000
45° PN16 2 Mitre Bend	FFPEH28B45DEGPN16/110 FFPEH28B45DEGPN16/125 FFPEH28B45DEGPN16/160 FFPEH28B45DEGPN16/180 FFPEH28B45DEGPN16/200 FFPEH28B45DEGPN16/225 FFPEH28B45DEGPN16/250 FFPEH28B45DEGPN16/280 FFPEH28B45DEGPN16/315 FFPEH28B45DEGPN16/355 FFPEH28B45DEGPN16/400 FFPEH28B45DEGPN16/450 FFPEH28B45DEGPN16/500 FFPEH28B45DEGPN16/560 FFPEH28B45DEGPN16/630 FFPEH28B45DEGPN16/710 FFPEH28B45DEGPN16/800 FFPEH28B45DEGPN16/900 FFPEH28B45DEGPN16/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000
90° PN16 3 Mitre Bend	FFPEH28B90DEGPN16/110 FFPEH28B90DEGPN16/125 FFPEH28B90DEGPN16/160 FFPEH28B90DEGPN16/180 FFPEH28B90DEGPN16/200 FFPEH28B90DEGPN16/225 FFPEH28B90DEGPN16/250 FFPEH28B90DEGPN16/280 FFPEH28B90DEGPN16/315 FFPEH28B90DEGPN16/355 FFPEH28B90DEGPN16/400 FFPEH28B90DEGPN16/450 FFPEH28B90DEGPN16/500 FFPEH28B90DEGPN16/560 FFPEH28B90DEGPN16/630 FFPEH28B90DEGPN16/710 FFPEH28B90DEGPN16/800 FFPEH28B90DEGPN16/900 FFPEH28B90DEGPN16/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000

**ADVANTAGE 28 SERIES -
REDUCED BORE PN10 MITRE BENDS**

	Code	Size (OD) mm
22.5° PN10 1 Mitre Bend	FFPEH28B22.5DEGPN10/110 FFPEH28B22.5DEGPN10/125 FFPEH28B22.5DEGPN10/160 FFPEH28B22.5DEGPN10/180 FFPEH28B22.5DEGPN10/200 FFPEH28B22.5DEGPN10/225 FFPEH28B22.5DEGPN10/250 FFPEH28B22.5DEGPN10/280 FFPEH28B22.5DEGPN10/315 FFPEH28B22.5DEGPN10/355 FFPEH28B22.5DEGPN10/400 FFPEH28B22.5DEGPN10/450 FFPEH28B22.5DEGPN10/500 FFPEH28B22.5DEGPN10/560 FFPEH28B22.5DEGPN10/630 FFPEH28B22.5DEGPN10/710 FFPEH28B22.5DEGPN10/800 FFPEH28B22.5DEGPN10/900 FFPEH28B22.5DEGPN10/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000
45° PN10 2 Mitre Bend	FFPEH28B45DEGPN10/110 FFPEH28B45DEGPN10/125 FFPEH28B45DEGPN10/160 FFPEH28B45DEGPN10/180 FFPEH28B45DEGPN10/200 FFPEH28B45DEGPN10/225 FFPEH28B45DEGPN10/250 FFPEH28B45DEGPN10/280 FFPEH28B45DEGPN10/315 FFPEH28B45DEGPN10/355 FFPEH28B45DEGPN10/400 FFPEH28B45DEGPN10/450 FFPEH28B45DEGPN10/500 FFPEH28B45DEGPN10/560 FFPEH28B45DEGPN10/630 FFPEH28B45DEGPN10/710 FFPEH28B45DEGPN10/800 FFPEH28B45DEGPN10/900 FFPEH28B45DEGPN10/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000
90° PN10 3 Mitre Bend	FFPEH28B90DEGPN10/110 FFPEH28B90DEGPN10/125 FFPEH28B90DEGPN10/160 FFPEH28B90DEGPN10/180 FFPEH28B90DEGPN10/200 FFPEH28B90DEGPN10/225 FFPEH28B90DEGPN10/250 FFPEH28B90DEGPN10/280 FFPEH28B90DEGPN10/315 FFPEH28B90DEGPN10/355 FFPEH28B90DEGPN10/400 FFPEH28B90DEGPN10/450 FFPEH28B90DEGPN10/500 FFPEH28B90DEGPN10/560 FFPEH28B90DEGPN10/630 FFPEH28B90DEGPN10/710 FFPEH28B90DEGPN10/800 FFPEH28B90DEGPN10/900 FFPEH28B90DEGPN10/1000	110 125 160 180 200 225 250 280 315 355 400 450 500 560 630 710 800 900 1000

THE SMARTER CHOICE.

HDPE LONG SPIGOT

FITTINGS & ACCESSORIES

LONG SPIGOT EQUAL TEES

	Code	Size (OD) mm
PE100 PN8 Long Spigot Equal Tee	FFPEHET/630	630
	FFPEHET/710	710
	FFPEHET/800	800
	FFPEHET/900	900
	FFPEHET/1000	1000



Note: Moulded fittings available 90-630mm
Further options available on request

LONG SPIGOT REDUCING TEES

	Code	Size (OD) mm
PE100 PN8 Long Spigot Reducing Tee	FPE17HRT/090X075	90 X 75mm
	FPE17HRT/160X110	160 X 110mm
	FPE17HRT/200X160	200 X 160mm
	FPE17HRT/225X110	225 X 110mm
	FPE17HRT/225X160	225 X 160mm
	FPE17HRT/225X90	225 X 90mm
	FPE17HRT/250X110	250 X 110mm
	FPE17HRT/250X160	250 X 160mm
	FPE17HRT/315X160	315 X 160mm



Note: Electrofusion Reducing Saddles are available as an alternative in sizes up to 400mm. Refer to our Civil Catalogue.
Further options available on request

LONG SPIGOT HYDRANT TEES

	Code	Size (OD) mm
PE100 SDR11 Long Spigot Hydrant Tee	FPEHHT/125	125 X Hydrant
	FPEHHT/180	180 X Hydrant
	FPEHHT/250	250 X Hydrant



Note: FBE coating is standard on all Ductile Iron components
Further options available on request

FULL BORE - TRUE-SLIM FULL FACE FLANGES

	Code	Size (OD) mm
PE100 SDR11 Slim Flange Assembly FBE Coated Backing Ring	SLIMFLANGEFFN/250X200	250 X 200mm
	SLIMFLANGEFFN/315X250	315 X 250mm
	SLIMFLANGEFFN/355X300	355 X 300mm



PN16 Rated

PE100 SDR11 Slim Flange Assembly 316 St. Steel Backing Ring	SLIMFLANGEFFNS-S/250X200	250 X 200mm
	SLIMFLANGEFFNS-S/315X250	315 X 250mm
	SLIMFLANGEFFNS-S/355X300	355 X 300mm



PN16 Rated

Other slim flanges available on request

PE100 IMPERIAL



SERIES 3 ELECTROFUSION AND SPIGOT PIPING SYSTEMS

Quality and Standards

Plasson ElectroFusion fittings are manufactured using PE 4710 black compounded resins listed in the PPI TR-4 and conform to international standards for potable water including NSF 61. The fittings are designed, tested and quality controlled in accordance with Plasson's internal standards. These standards are based on ASTM D2513 (for Gas Piping Systems) ASTM F1055 (Electrofusion Fittings)

Asmuss recommends that the installation of all PE pipe fittings, only be undertaken by suitably qualified and experienced operators.

SDR 11 ELECTROFUSION COUPLERS

	Code	Size (OD)
Coupler	FPEGHC/025	1"
	FPEGHC/032	1½"
	FPEGHC/050	2"
	FPEGHC/080	3"
	FPEGHC/100	4"
	FPEGHC/150	6"

LONG SPIGOT END CAPS

	Code	Size (OD)
PE100 Spigot Cap	FPEGHCap/025	1"
	FPEGHCap/032	1½"
	FPEGHCap/050	2"
	FPEGHCap/080	3"
	FPEGHCap/100	4"

ELECTROFUSION TEES

	Code	Size (OD)
90° Equal Tee	FPEGHCT/025	1"
	FPEGHCT/032	1½"
	FPEGHCT/050	2"
	FPEGHCT/080	3"
	FPEGHCT/100	4"

LONG SPIGOT REDUCERS

	Code	Size (OD)
PE100 Spigot Reducer	FPEGHR/050X015	2 x ½"
	FPEGHR/050X025	2 x 1"
	FPEGHR/080X050	3 x 2"
	FPEGHR/100X050	4 x 2"
	FPEGHR/100X080	4 x 3"

ELECTROFUSION 90° ELBOWS

	Code	Size (OD)
90° Elbow	FPEGHCEL90/025	1"
	FPEGHCEL90/032	1½"
	FPEGHCEL90/050	2"
	FPEGHCEL90/080	3"
	FPEGHCEL90/100	4"

ELECTROFUSION 45° ELBOWS

	Code	Size (OD)
45° Elbow	FPEGHCEL45/025	1"
	FPEGHCEL45/032	1½"
	FPEGHCEL45/050	2"
	FPEGHCEL45/080	3"
	FPEGHCEL45/100	4"

ELECTROFUSION ADJUSTABLE ELBOWS

	Code	Size (OD)
Adjustable Elbow 2 Couplers	FPEGHCELADJ/100	4"

Suitable for welding at any angle of ±12° per side

ELECTROFUSION REDUCING COUPLERS

	Code	Size (OD)
Reducing Coupler	FPEGHCR/050X032	2 x 1½"

THE SMARTER CHOICE.

PE100 IMPERIAL



SERIES 3 ELECTROFUSION AND SPIGOT PIPING SYSTEMS

LONG SPIGOT STUB FLANGES

	Code	Size (OD)
PE100 Spigot Stub Flange	FPEGHSF/050	2"
	FPEGHSF/080	3"
	FPEGHSF/100	4"



PE TO STEEL TRANSITIONS

	Code	Size (OD)
PE100 IPS x Steel	FPEGHSTF/025X1	1 x 1"
	FPEGHSTF/032X11/4	1 1/4 x 1 1/4"
	FPEGHSTF/050X2	2 x 2"
	FPEGHSTF/080X3	3 x 3"
	FPEGHSTF/100X4	4 x 4"
PE100 IPS X STEEL WITH BSP THREAD	FPEGHSTFBSP/025X1	1 x 1"
	FPEGHSTFB- SP/032X11/4	1 1/4 x 1 1/4"
	FPEGHSTFBSP/050X2	2 x 2"
	FPEGHSTFBSP/080X3	3 x 3"
	FPEGHSTFBSP/100X4	4 x 4"

METRIC TO IMPERIAL PE TRANSITIONS

	Code	Size (OD)
PE100 Metric x IPS	FPEGHTR/032X1	32mm x 1"
	FPEGHTR/063X2	63mm x 2"
	FPEGHTR/125X4	125mm x 4"



ELECTROFUSION TAPPING SADDLES

	Code	Size (OD)
Tapping Saddle Underclamp	FPEGHUTS/032X025	1 1/4 x 1"
	FPEGHUTS/050X025	2 x 1"
	FPEGHUTS/050X050	2 x 2"
	FPEGHUTS/080X025	3 x 1"
	FPEGHUTS/080X050	3 x 2"
	FPEGHUTS/100X025	4 x 1"
	FPEGHUTS/100X050	4 x 2"
Tapping Saddle Underclamp High Flow	FPEGHUTSHV/080X032	3 x 1 1/4"
	FPEGHUTSHV/080X050	3 x 2"
	FPEGHUTSHV/100X032	4 x 1 1/4"
	FPEGHUTSHV/100X050	4 x 2"
Allen Key for Tapping Saddle	PLASSONKEY/12MM	

FULL BORE POLYVALVES

	Code	Size (OD)
Full Bore	VPEHFBIPS/025	1"
	VPEHFBIPS/050	2"



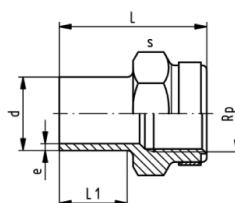
INDUSTRIAL PE100

PIPE FITTINGS

Asmuss offers a range of PE fittings that are suitable for chemical applications, particularly for chemical storage tanks. If you have any further requirement for specialist fittings for chemical applications please contact us.

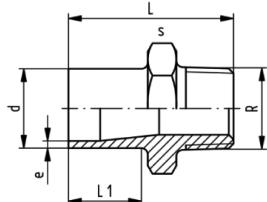
ADAPTOR SOCKET

	Code	d (mm)	Rp (in)	DN (mm)	FM
Adaptor Socket SDR11, Metric Rp BSP Thread	FPEHADSOPT/020	20	1/2	15	IR
	FPEHADSOPT/025	25	3/4	20	IR
	FPEHADSOPT/032	32	1	25	IR
	FPEHADSOPT/040	40	1 1/4	32	IR
	FPEHADSOPT/050	50	1 1/2	40	IR
	FPEHADSOPT/063	63	2	50	IR



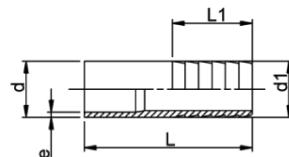
ADAPTOR NIPPLE

	Code	d (mm)	R (in)	DN (mm)	FM
Adaptor Nipple SDR11, Metric R BSP Thread	FPEHNIPT/020	20	1/2	15	IR
	FPEHNIPT/025	25	3/4	20	IR
	FPEHNIPT/032	32	1	25	IR
	FPEHNIPT/040	40	1 1/4	32	IR
	FPEHNIPT/050	50	1 1/2	40	IR
	FPEHNIPT/063	63	2	50	IR



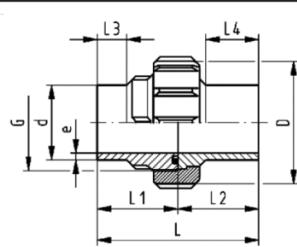
HOSE CONNECTOR

	Code	d (mm)	D1 (in)	DN (mm)	FM
Hose Connector SDR11, Metric	FPEHHOTSP/020	20	1/4	15	IR
	FPEHHOTSP/025	25	3/4	20	IR
	FPEHHOTSP/032	32	1	25	IR
	FPEHHOTSP/040	40	1 1/4	32	IR
	FPEHHOTSP/050	50	1 1/2	40	IR
	FPEHHOTSP/063	63	2	50	IR



PE100 SOCKET UNION

	Code	d (mm)	PN	FM	DN (mm)	D1 (in)
Socket Union SDR11 EPDM	753518606	20	16	IR	48	1
	753518607	25	16	IR	58	1 1/4
	753518608	32	16	IR	65	1 1/2
	753518609	40	16	IR	79	2
	753518610	50	16	IR	91	2 1/4
	753518611	63	16	IR	111	2 3/4



PE DRAINAGE



HDPE PIPING SYSTEM

The Geberit Polyethylene (PE) drainage system is ideally suited for use in a wide range of applications including: above and below ground drainage, normal and industrial waste and stormwater, as well as rainwater discharge inside domestic and industrial buildings.



Standards and Quality Marks

Geberit PE Drainage is produced in conformity with the unified standard EN 1519 and has Watermark License W210 under MP52 Spec 005: - Sanitary plumbing pipes and pipe fittings.

Benefits

- Quick and simple to install, via either butt welding or electrofusion welding
- Safe, secure and flexible
- Fewer blockages as PE's non-wettable surface resists build up and aids faster flow to reduce the likelihood of blockages
- High impact resistance, even at low temperatures
- Low noise transmission
- Wide temperature range
- Excellent abrasion resistance
- Good chemical resistance, please contact our sales team for suitability

Applications

A Geberit PE Drainage system is ideally suited to applications where high integrity is required:

- DWV services and ducts in and under buildings
- Industrial waste drainage
- Hot and cold waste lines
- Sewer or drain rehabilitation
- Where ground or structural movement could occur (e.g. earthquakes)
- Siphonic roof drainage systems
- "Greasy" tradewaste

For information relating to Siphonic drainage systems and Sovent ventilated stack systems please contact our sales team.

PE DRAINAGE PIPE				
	Code	Size OD (mm)	Wall Thickness (mm)	Internal Diameter (mm)
PE Drainage Pipe 5 Metre Lengths	PPED/040	40	3	34
	PPED/050	50	3	44
	PPED/056	56	3	50
	PPED/063	63	3	57
	PPED/075	75	3	69
	PPED/090	90	3.5	83
	PPED/110	110	4.3	101.4
	PPED/125	125	4.9	115.2
	PPED/160	160	6.2	147.6
	*PPED/200	200	7.7	184.6
	*PPED/250	250	9.7	230.6
	*PPED/315	315	12.2	290.6
*SDR26 rated				
PE Drainage Pipe 5 Metre Lengths	PPED33/200	200	6.2	187.6
	PPED33/250	250	7.8	234.4
	PPED33/315	315	9.8	295.4
SDR33 rated				

PE DRAINAGE



HDPE PIPING SYSTEM

PE DRAINAGE FITTINGS

	Code	Size OD (mm)		Code	Size OD (mm)	
Electrofusion Coupler	FPEDEC/040 FPEDEC/050 FPEDEC/056 FPEDEC/063 FPEDEC/075 FPEDEC/090 FPEDEC/110 FPEDEC/125 FPEDEC/160 FPEDEC/200 FPEDEC/250 FPEDEC/315	40 50 56 63 75 90 110 125 160 200 250 315		Equal Tee	FPEDT/040 FPEDT/050 FPEDT/056 FPEDT/063 FPEDT/075 FPEDT/090 FPEDT/110 FPEDT/160 FPEDT/200 FPEDT/250 FPEDT/315	40 50 56 63 75 90 110 160 200 250 315
Elbow 45°	FPEDEL45/040 FPEDEL45/050 FPEDEL45/056 FPEDEL45/063 FPEDEL45/075 FPEDEL45/090 FPEDEL45/110 FPEDEL45/125 FPEDEL45/160 FPEDEL45/200 *FPEDEL45/250 *FPEDEL45/315	40 50 56 63 75 		Reducing Tee	FPEDRT/050X040 FPEDRT/056X050 FPEDRT/075X040 FPEDRT/075X050 FPEDRT/075X056 FPEDRT/075X063 FPEDRT/110X040 FPEDRT/110X050 FPEDRT/110X056 FPEDRT/110X063 FPEDRT/110X075 FPEDRT/110X090	50 x 40 56 x 50 75 x 40 75 x 50 75 x 56 75 x 63 110 x 40 110 x 50 110 x 56 110 x 63 110 x 75 110 x 90
Bend 88°	FPEDEL88/040 FPEDEL88/050 FPEDEL88/056 FPEDEL88/063 FPEDEL88/075 FPEDEL88/090 FPEDEL88/110 FPEDEL88/125 *FPEDEL88/160	40 50 56 63 75 90 110 125 160		88.5° Swept Tee	FPEDRT/160X075 FPEDRT/160X110 FPEDRT/200X110 FPEDRT/200X160 FPEDRT/250X110 FPEDRT/250X160 FPEDRT/315X160 FPEDRT/315X200 FPEDRT/315X250	160 x 75 160 x 110 200 x 110 200 x 160 250 x 110 250 x 160 315 x 160 315 x 200 315 x 250
90° Bend Long Spigot	FPEDB90LS/040 FPEDB90LS/050 FPEDB90LS/056 FPEDB90LS/063 FPEDB90LS/075 FPEDB90LS/090 FPEDB90LS/110 *FPEDB90LS/160	40 50 56 63 75 90 110 160		Access Pipe With Screw Cap 88°	FPEDST/110x110	110
90° Segmented Bend	*FPEDEL90/200 *FPEDEL90/250 *FPEDEL90/315	200 250 315		Access Pipe With Oval Cover	FPEDAP/063 FPEDAP/075 FPEDAP/090 FPEDAP/110 FPEDAP/160	63 75 90 110 160
*Prefabricated to order				4 Way Riser	FPEDAP/200 FPEDAP/250 FPEDAP/315	200 250 315
Stub Flange	FPEDSF/050 FPEDSF/056 FPEDSF/063 FPEDSF/075 FPEDSF/090 FPEDSF/110 FPEDSF/160 FPEDSF/200 FPEDSF/250 FPEDSF/315	50 56 63 75 90 110 160 200 250 315		Ball Chambers with 2, 3 or 4 branches - available on request	FPED4WR/110X056	110/56

THE SMARTER CHOICE.

PE DRAINAGE

GEBERIT

HDPE PIPING SYSTEM

PE DRAINAGE FITTINGS

	Code	Size OD (mm)		Code	Size OD (mm)
Wye Junction 45°	FPEDWYE/040 FPEDWYE/050 FPEDWYE/056 FPEDWYE/063 FPEDWYE/075 FPEDWYE/090 FPEDWYE/110 FPEDWYE/125 FPEDWYE/160 *FPEDWYE/200 *FPEDWYE/250 *FPEDWYE/315	40 50 56 63 75 90 110 125 160 200 250 315		45° Double Branch 	FPEDDWYE/110X110 110 x 110
Reducing Wye Junction	FPEDWYE/050X040 FPEDWYE/056X050 FPEDWYE/063X040 FPEDWYE/063X050 FPEDWYE/063X056 FPEDWYE/075X040 FPEDWYE/075X050 FPEDWYE/075X056 FPEDWYE/075X063 FPEDWYE/090X040 FPEDWYE/090X050 FPEDWYE/090X056 FPEDWYE/090X063 FPEDWYE/090X075 FPEDWYE/110X040 FPEDWYE/110X050 FPEDWYE/110X056 FPEDWYE/110X075 FPEDWYE/110X090 FPEDWYE/125X063 FPEDWYE/125X075 FPEDWYE/125X090 FPEDWYE/125X110 FPEDWYE/160X075 FPEDWYE/160X090 FPEDWYE/160X110 FPEDWYE/160X125 *FPEDWYE/200X110 *FPEDWYE/200X125 *FPEDWYE/200X160 *FPEDWYE/250X110 *FPEDWYE/250X160 *FPEDWYE/250X200 *FPEDWYE/315X110 *FPEDWYE/315X160 *FPEDWYE/315X200 *FPEDWYE/315X250	50 x 40 56 x 50 63 x 40 63 x 50 63 x 56 75 x 40 75 x 50 75 x 56 75 x 63 90 x 40 90 x 50 90 x 56 90 x 63 90 x 75 110 x 40 110 x 50 110 x 56 110 x 75 110 x 90 125 x 63 125 x 75 125 x 90 125 x 110 160 x 75 160 x 90 160 x 110 160 x 125 200 x 110 200 x 125 200 x 160 250 x 110 250 x 160 250 x 200 315 x 110 315 x 160 315 x 200 315 x 250		Eccentric Reducer 	FPEDER/050X040 FPEDER/056X040 FPEDER/056X050 FPEDER/063X050 FPEDER/063X056 FPEDER/075X040 FPEDER/075X050 FPEDER/075X056 FPEDER/075X063 FPEDER/090X050 FPEDER/090X056 FPEDER/090X063 FPEDER/090X075 FPEDER/110X040 FPEDER/110X050 FPEDER/110X056 FPEDER/110X063 FPEDER/110X075 FPEDER/110X090 FPEDER/125X050 FPEDER/125X056 FPEDER/125X063 FPEDER/125X075 FPEDER/125X090 FPEDER/125X110 FPEDER/160X110 FPEDER/160X125
			Note: Can be EF or Butt Welded		
Loose Nut Threaded Adaptor	FPEDLNUT/050X11/2 FPEDLNUT/050X2	50 x 1½" 50 x 2"		Long Spigot Eccentric Reducer 	FPEDERLS/200X110 FPEDERLS/200X125 FPEDERLS/200X160 FPEDERLS/250X200 FPEDERLS/315X200 FPEDERLS/315X250
Male Threaded Adaptor				Male Threaded Adaptor 	FPEDMA/050X11/2 FPEDMA/056X2 FPEDMA/063X2 FPEDMA/075X21/2
Female Threaded Adaptor				Female Threaded Adaptor 	FPEDFA/040X1 FPEDFA/050X11/2 FPEDFA/056X2 FPEDFA/063X2 FPEDFA/075X21/2

PE DRAINAGE

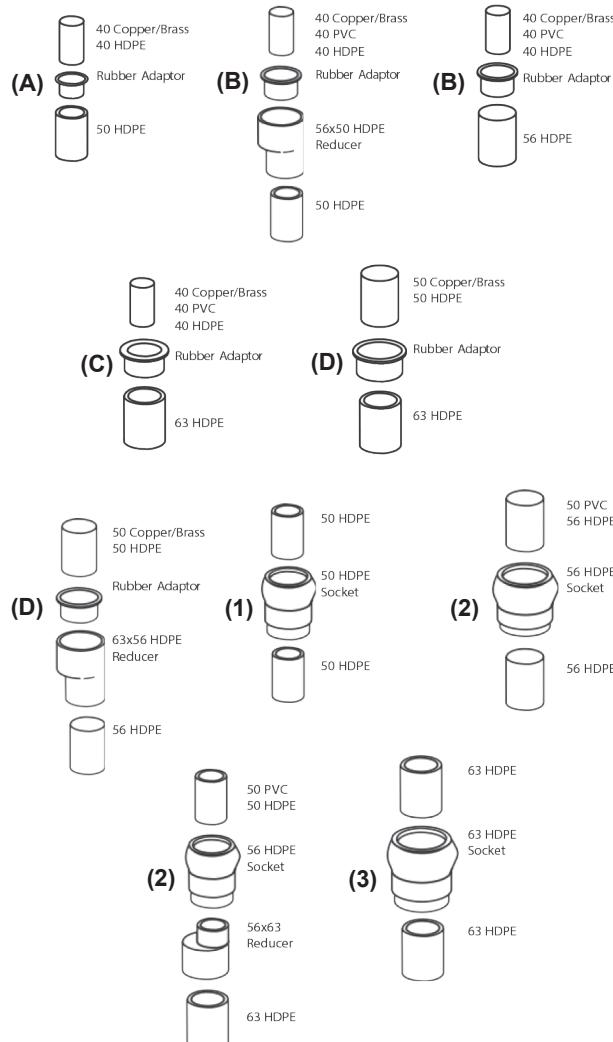


HDPE PIPING SYSTEM

PE DRAINAGE FITTINGS

	Code	Size OD (mm)
Pan Connector 	FPEDPC/110	110 x 135 Rubber
Screwed End Cap 	FPEDSEC/040 FPEDSEC/050 FPEDSEC/056 FPEDSEC/060 FPEDSEC/070 FPEDSEC/090 FPEDSEC/110	40 50 56 63 75 90 110
Long Spigot Screwed End Cap	FPEDSECLS/056 FPEDSECLS/075 FPEDSECLS/090	56 75 90
S Trap 	FPEDSTRAP/050X050 FPEDSTRAP/050X056	50 50x56
P Trap 	FPEDPTRAP/050X050 FPEDPTRAP/050X056	50 50x56
P Trap - Short Fixed 	FPEDSPT/050 FPEDSPT/056 FPEDSPT/063 FPEDSPT/075 FPEDSPT/090 FPEDSPT/110 FPEDSPT/160	50 56 63 75 90 110 160
Note: Other P Trap sizes also available		
P Trap - Long Fixed 	FPEDLPT/050 FPEDLPT/056 FPEDLPT/063 FPEDLPT/075 FPEDLPT/090 FPEDLPT/110 FPEDLPT/160	50 56 63 75 90 110 160
Note: Other P Trap sizes also available		
P Trap Short Adjustable 	FPEDAPT/110	110
Note: Other P Trap sizes also available		

Adaptors from 50, 56, 63mm HDPE to the fixture trap or tundish



Reduce pipe > 63mm using PE eccentric reducer then adaptors from above

KEY	Code	Size OD (mm)
(A)	FPEDRTA/050X040	50 x 40
(B)	FPEDRTA/056X040	56 x 40
(C)	FPEDRTA/063X040	63 x 40
(D)	FPEDRTA/063X050	63 x 50
(Butt Weld only)		
(1)	FPEDRRJ/050	50
(2)	FPEDRRJ/056	56
(3)	FPEDRRJ/063	63
OR Long Spigot for EF		
(1)	FPEDRRJLS/050	50
(2)	FPEDRRJLS/056	56
(63mm not available)		

THE SMARTER CHOICE.

PE DRAINAGE

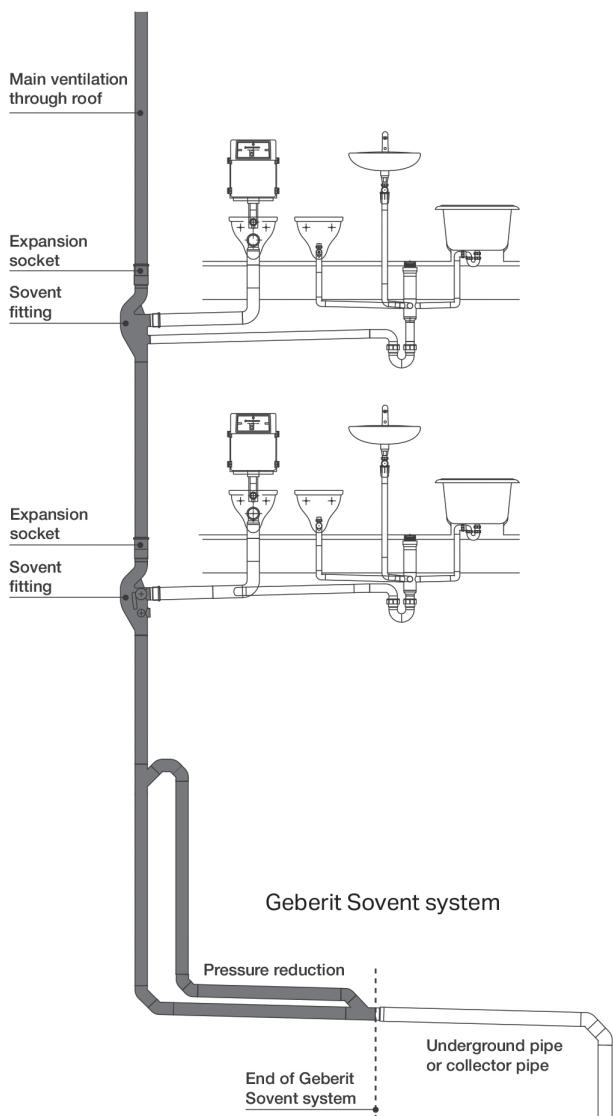
GEBERIT

HDPE PIPING SYSTEM

PE DRAINAGE FITTINGS		
	Code	Size OD (mm)

Due to its high capacity and excellent performance Geberit Sovent is an ideal drainage system for:

- High-rise office buildings
- Hotels
- Multi-storey residential buildings



Why is Geberit Sovent a better solution?

There is a simple answer to that:

- Better performance, less space, labour and material cost

Better performance.

In comparison with conventional systems, Geberit Sovent:

- Reduces the pneumatic and hydraulic pressure
- Offers versatile branch joining possibilities
- Reduces stack sizes with the same loading capacities as a secondary ventilated system
- Saves space

Sovent Ventilation Branch	FPEDVBHF/110	110
	FPEDVB/160	160
• Pre-fabricated ventilation branches offered to reduce In-situ welding and costs		
• More than one PE/PVC ring seal adaptor: can be welded to a ventilation branch		
• Off take locations and orientation to be confirmed at time of order		
Expansion Joint	FPEDEJ/050	50
	FPEDEJ/056	56
	FPEDEJ/063	63
	FPEDEJ/075	75
	FPEDEJ/090	90
	FPEDEJ/110	110
	FPEDEJ/125	125
	FPEDEJ/160	160
	FPEDEJ/200	200
	FPEDEJ/250	250
	FPEDEJ/315	315
Ring Seal Adaptor	FPEDRRJ/040	40
	FPEDRRJ/050	50
	FPEDRRJ/056	56
	FPEDRRJ/063	63
	FPEDRRJ/075	75
	FPEDRRJ/090	90
	FPEDRRJ/110	110
	FPEDRRJ/160	160
PE Slab Adaptor	FPEDSLAB/110	110
Long Spigot Weld On End Cap	FPEDWECLS/050	50
	FPEDWECLS/056	56
	FPEDWECLS/075	75
	FPEDWECLS/090	90
	FPEDWECLS/110	110
	FPEDWECLS/160	160
EF (Anchor) Tape	FPEDEFTAPE/110	110
	FPEDEFTAPE/160	160
	FPEDEFTAPE/200	200
	FPEDEFTAPE/250	250
	FPEDEFTAPE/315	315
Open Weave Cloth	FPEDOC	
Electrofusion Control Unit	GEBERITESG3	40 - 315

PE Drainage Tooling and Accessories are also available. Please refer to our Machines and Tooling Catalogue.

PE DRAINAGE



HDPE PIPING SYSTEM

GEBERIT PLUVIA SIPHONIC ROOF DRAINAGE SYSTEM

Double the amount of rainwater discharge.

Half the pipe diameter.

Geberit Pluvia outlets have been specially constructed to ensure rapid removal of rainwater from the roof using siphonic principles with a vacuum effect.

Greater installation flexibility.

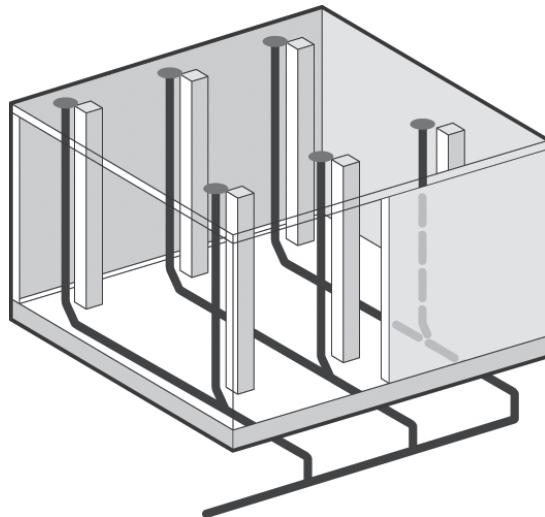
The Pluvia system is simpler because no slopes are required for horizontal pipe runs, reducing ceiling space. Smaller pipe diameters can lead to lower material cost and greater installation flexibility.

service package for customers from training to designing and onsite technical support. Fully accredited, our staff are able to assist consultants with the design of the Pluvia roof drainage system.

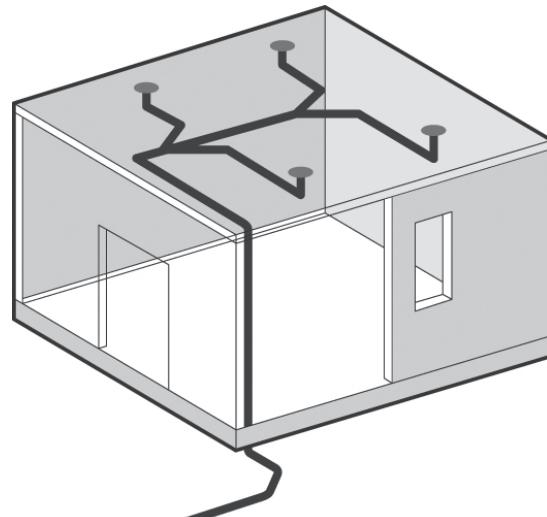
Service and support.

Geberit offers a comprehensive

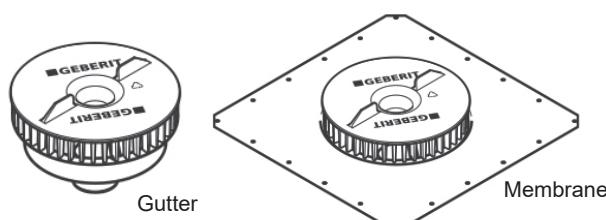
Advantages of Geberit Pluvia over conventional roof drainage systems



- Many roof outlets
- Pipe laying necessary on a slope
- Many stacks
- Complicated underground pipes
- Large pipe dimensions



- Fewer roof outlets due to the high drainage capacity per roof outlet
- Space savings
- Reduced construction effort
- Smaller pipe dimensions
- Self-cleaning of the pipes due to high flow speeds
- Architectural freedom



Roof outlets are a key component of a siphonic roof drainage system. Geberit roof outlets are available in gutter and membrane styles. Various sizes are available.

Roof outlets are not sold individually as they are supplied as part of the total siphonic system.

Each siphonic system is custom designed to suit individual buildings and roofs and the required ARI.

Siphonic roof drainage systems are quoted as a lump sum, and must be ordered as a package.

Pipework Support:

It is recommended that Geberit siphonic roof drainage systems are installed using a suspension rail system and appropriate pipe clamps. Anchor brackets (fixed points) must be provided when the pipeline changes orientation and also to control expansion and contraction.

Please enquire about pipe clamps designed to be used with the EF (anchor) tape listed below.

THE SMARTER CHOICE.

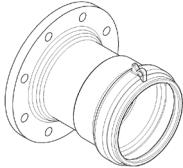
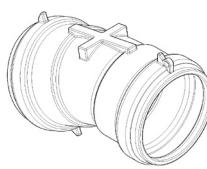
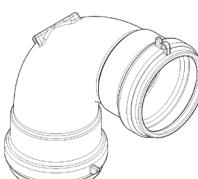
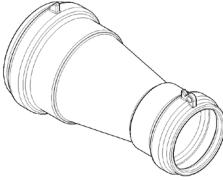
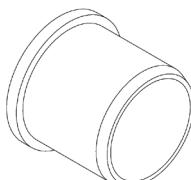
ASMUSS DUCTILE IRON FITTINGS

BITUMEN COATED - IRRIGATION FITTINGS

The Asmuss range of Bitumen Coated and Irrigation Ductile Iron fittings, where applicable, are manufactured AS/NZS2280.

Flanged fittings are drilled to AS/NZS4087 PN16 for D.I. (fig. B5). Other drilling standards are also available on request.

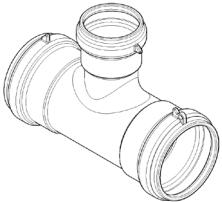
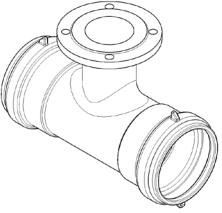
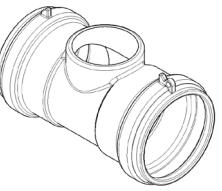
Flanged branch tees marked with an "H*" (80NB, & 100NB) are slotted and will suit a standard AS/NZS4087 drilling and AS2129 3 1/2" (90NB) – hydrant drilling.

ASMUSS DUCTILE IRON FITTINGS					
	Code	NB (mm)		Code	NB (mm)
S1 Socket Bend 11.25° 	DIBRRJ11100	100	S1 Socket Flange Adaptors 	DIFS080	80
	DIBRRJ11150	150		DIFS100	100
	DIBRRJ11200	200		DIFS125	125
	DIBRRJ11250	250		DIFS150	150
	DIBRRJ11300	300		DIFS175	175
	DIBRRJ11375	375		DIFS175-200 T/E	175
S1 Socket Bend 22.5° 	DIBRRJ22100	100		DIFS200	200
	DIBRRJ22150	150		DIFS200 T/E	200
	DIBRRJ22175	175		DIFS225	225
	DIBRRJ22200	200		DIFS225-250	225
	DIBRRJ22250	250		DIFS250	250
	DIBRRJ22300	300		DIFS250 T/E	250
S1 Socket Bend 45° 	DIBRRJ45080	80		DIFS300	300
	DIBRRJ45100	100		DIFS375	375
	DIBRRJ45125	125		DIFS375-400 T/E	375
	DIBRRJ45150	150			
	DIBRRJ45175	175			
	DIBRRJ45200	200			
Socket Bend 90° 	DIBRRJ45225	225			
	DIBRRJ45250	250			
	DIBRRJ45300	300			
	DIBRRJ45375	375			
			S1 Socket Reducers 	DIRRRJ100080	100x80
				DIRRRJ125100	125x100
				DIRRRJ150100	150x100
				DIRRRJ150125	150x125
				DIRRRJ175150	175x150
				DIRRRJ200100	200x100
End Caps 	DIRRRJ200150	200x150		DIRRRJ200175	200x175
				DIRRRJ225175	225x175
				DIRRRJ225200	225x200
				DIRRRJ250200	250x200
				DIRRRJ250225	250x225
				DIRRRJ300200	300x200
				DIRRRJ300250	300x250
				DIRRRJ375300	375x300

LARGER SIZES ARE AVAILABLE ON REQUEST

ASMUSS DUCTILE IRON FITTINGS

BITUMEN COATED - IRRIGATION FITTINGS

ASMUSS DUCTILE IRON FITTINGS					
	Code	NB (mm)		Code	NB (mm)
S1 Socket Tees	DIRRJT080080	80x80	S1 Socket Flanged Branch Tees	DIRRBFT080080	80x80
	DIRRJT100080	100x80		DIRRBFT100080	100x80 (H*)
	DIRRJT100100	100x100		DIRRBFT100100	100x100 (H*)
	DIRRJT125100	125x100		DIRRBFT150080	150x80 (H*)
	DIRRJT125125	125x125		DIRRBFT150100	150x100 (H*)
	DIRRJT150080	150x80		DIRRBFT150150	150x150
	DIRRJT150100	150x100		DIRRBFT175150	175x150
	DIRRJT150125	150x125		DIRRBFT200100	200x100 (H*)
	DIRRJT150150	150x150		DIRRBFT200150	200x150
	DIRRJT175100	175x150		DIRRBFT200200	200x200
	DIRRJT175125	175x125		DIRRBFT225200	225x200
	DIRRJT175150	175x150		DIRRBFT250150	250x150
	DIRRJT175175	175x175		DIRRBFT250250	250x250
	DIRRJT200100	200x100		DIRRBFT300100	300x100 (H*)
	DIRRJT200125	200x125		DIRRBFT300150	300x150
	DIRRJT200150	200x150		DIRRBFT300300	300x300
	DIRRJT200175	200x175		DIRRBFT375300	375x300
	DIRRJT200200	200x200			
	DIRRJT225150	225x150			
	DIRRJT225225	225x225			
	DIRRJT250200	250x200			
	DIRRJT250250	250x250			
	DIRRJT300200	300x200			
	DIRRJT300300	300x300			
	DIRRJT375375	375x375			
			S1 Socket Irrigation Tees	DIIT100080	100x80
				DIIT100100	100x100
				DIIT125100	125x100
				DIIT125125	125x125
				DIIT150100	150x100
				DIIT150125	150x125
				DIIT175100	175x100
				DIIT175125	175x125
				DIIT200100	200x100
				DIIT200125	200x125
				DIIT200150	200x150
				DIIT225125	225x125
				DIIT225150	225x150
				DIIT250125	250x125
				DIIT250150	250x150
				DIIT300125	300x125
				DIIT300150	300x150

THE SMARTER CHOICE.

ASMUSS DUCTILE IRON FITTINGS

NYLON COATED

Certified Product

The Asmuss range of Ductile Iron Fittings is manufactured and certified to AS/NZS2280, Ductile Iron Pipes and Fittings. These products have been independently assessed and certified to AS/NZS 2280.

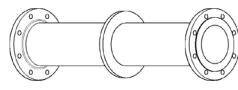
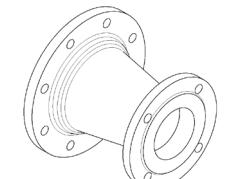
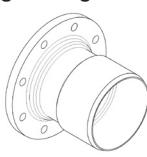
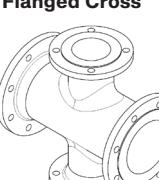
Asmuss Ductile Iron Fittings are supplied with a Polymeric coating to AS/NZS4158, for maximum corrosion protection.

Flanged fittings are drilled to AS/NZS4087 PN16 for D.I. (fig. B5), however other drilling standards are available on request.

Flanged branch tees marked with an "H*" (80mm & 100mm) are slotted and will suit a standard AS/NZS4087 drilling and AS2129 3 1/2" (90) - hydrant drilling.

All Double Seal fittings can be supplied with sealing rings to suit either Series 1 PVC or Series 2 PVC / DI pipe. Please specify at time of ordering.

ASMUSS DUCTILE IRON FITTINGS

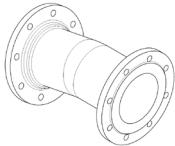
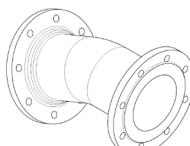
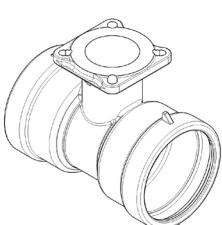
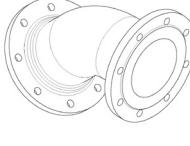
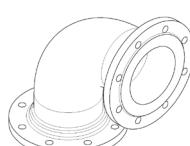
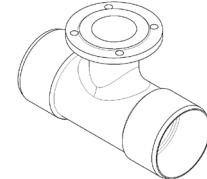
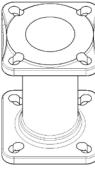
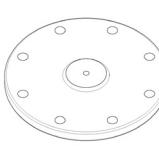
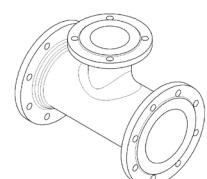
	Code	NB (mm)		Code	NB (mm)
Socket Bend 11.25° Double Seal 	DIBRRJ11100DS-N DIBRRJ11150DS-N DIBRRJ11200DS-N	100 150 200	Pipe Straight 	DIPDF080225-N DIPDF100150-N DIPDF100225-N DIPDF100300-N DIPDF100500-N DIPDF1001000-N DIPDF150300-N DIPDF150500-N DIPDF1501000-N DIPDF200300-N DIPDF200500-N DIPDF2001000-N DIPDF250300-N DIPDF250500-N DIPDF2501000-N DIPDF300300-N DIPDF300500-N DIPDF3001000-N	80 x 225L 100 x 150L 100 x 225L 100 x 300L 100 x 500L 100 x 1000L 150 x 300L 150 x 500L 150 x 1000L 200 x 300L 200 x 500L 200 x 1000L 250 x 300L 250 x 500L 250 x 1000L 300 x 300L 300 x 500L 300 x 1000L
Socket Bend 22.5° Double Seal 	DIBRRJ22100DS-N DIBRRJ22150DS-N DIBRRJ22200DS-N	100 150 200	Pipe Straight with Puddle Flange at Centre 	DIPDF1001000PF-N DIPDF1501000PF-N DIPDF2001000PF-N DIPDF2501000PF-N DIPDF3001000PF-N	100 x 1000L 150 x 1000L 200 x 1000L 250 x 1000L 300 x 1000L
Socket Bend 45° Double Seal 	DIBRRJ45100DS-N DIBRRJ45150DS-N DIBRRJ45200DS-N	100 150 200	Flanged Reducer 	DIRF100080-N DIRF150100-N DIRF200100-N DIRF200150-N DIRF225200-N DIRF250150-N DIRF250200-N DIRF250225-N DIRF300150-N DIRF300200-N DIRF300250-N * DIRF375300-N	100 x 80 150 x 100 200 x 100 200 x 150 225 x 200 250 x 150 250 x 200 250 x 225 300 x 150 300 x 200 300 x 250 375 x 300
Socket Flange Adaptor Double Seal 	DIFS100DS-N DIFS150DS-N DIFS200DS-N	100 150 200	Spigot Flange Adaptor 	DIFAC080-N DIFAC100-N DIFAC150-N DIFAC200-N DIFAC225-N DIFAC250-N DIFAC300-N * DIFAC375-N	80 100 150 200 225 250 300 375
Flanged Cross 	DICF100100-N DICF150100-N DICF150150-N DICF200200-N	100x100 150x100 150x150 200x200		*Optional 400 drilling on 375 flange	

LARGER SIZES ARE AVAILABLE ON REQUEST

ASMUSS DUCTILE IRON FITTINGS

NYLON COATED

ASMUSS DUCTILE IRON FITTINGS

	Code	NB (mm)		Code	NB (mm)	
Flanged Bend 11.25°	DIBF11100-N DIBF11150-N DIBF11200-N DIBF11250-N DIBF11300-N	100 150 200 250 300		Socket Branch Flanged Tee Double Seal	DIRRJBFT100080DS-N DIRRJBFT100100DS-N DIRRJBFT150080DS-N DIRRJBFT150100DS-N DIRRJBFT150150DS-N DIRRJBFT200080DS-N DIRRJBFT200100DS-N	100 x 80H* 100 x 100H* 150 x 80H* 150 x 100H* 150 x 150 200 x 80H* 200 x 100H*
Flanged Bend 22.5°	DIBF22100-N DIBF22150-N DIBF22200-N DIBF22250-N DIBF22300-N	100 150 200 250 300				
Flanged Bend 45°	DIBF45100-N DIBF45150-N DIBF45200-N DIBF45250-N DIBF45300-N DIBF45375-N	100 150 200 250 300 375		Spigot - Flanged Branch Tee	DITBF100100-N DITBF150080-N DITBF150100-N DITBF150150-N DITBF200100-N DITBF200150-N DITBF200200-N DITBF250100-N DITBF300100-N DITBF300150-N	100 x 100H* 150 x 80H* 150 x 100H* 150 x 150 200 x 100 200 x 150 200 x 200 250 x 100H* 300 x 100H* 300 x 150
Flanged Bend 90°	DIBF90080-N DIBF90100-N DIBF90150-N DIBF90200-N DIBF90250-N DIBF90300-N DIBF90375-N	80 100 150 200 250 300 375				
Hydrant Riser	DIHR100-N DIHR150-N DIHR225-N DIHR300-N DIHR450-N DIHR600-N DIHR150050-N	100 150 225 300 450 600 150 x 50 BSP		Flanged Tee	DITF080080-N DITF100080-N DITF100100-N DITF150080-N DITF150100-N DITF150150-N DITF200080-N DITF200100-N DITF200150-N DITF200200-N DITF250080-N DITF250100-N DITF250150-N DITF250250-N DITF300080-N DITF300100-N DITF300150-N DITF300200-N DITF300300-N * DITF375100-N * DITF375200-N * DITF375375-N	80 x 80 100 x 80H* 100 x 100 150 x 80H* 150 x 100 150 x 150 200 x 80H* 200 x 100 200 x 150 200 x 200 250 x 80H* 250 x 100 250 x 150 250 x 250 300 x 80H* 300 x 100 300 x 150 300 x 200 300 x 300 375 x 100H* 375 x 200 375 x 375
Slotted drilling pattern to suit 80NB and hydrant						
Blank Flange	DIBF080-N DIBF100-N DIBF150-N DIBF200-N DIBF250-N DIBF300-N DIBF375-N	80 100 150 200 250 300 375				
Blank Flange, Tapped 50 BSP	DIBF080T-N DIBF100T-N DIBF150T-N DIBF200T-N DIBF250T-N DIBF300T-N DIBF375T-N	80 100 150 200 250 300 375				

*Hydrant drilling on 80 & 100NB branches

*Slotted hydrant drilling on 80 & 100NB branches

*Slotted hydrant drilling on 80 & 100NB branches

× Optional 400 drilling for 375 flanges

THE SMARTER CHOICE.

METAL VALVES

AVK RESILIENT SEAT GATE VALVES AND HAND WHEELS

	Code	Size OD (mm)		Code	Size OD (mm)
Anti-Clockwise Closing, Double Flanged	VRACC050	50		VRACC08500C	80
	VRACC08500AK	80		VRACC10500CK	100
	VRACC10500AK	100		VRACC15500CK	150
	VRACC15500AK	150		VRACC20500CK	200
	VRACC20500AK	200		VRACC25500CK	250
	VRACC25500AK	250			
	VRACC30500AK	300			
	VRACC37500AK	375			
	VRDCC45500A	450			
	VRDCC50500A	500			
*Larger sizes available on request					
Handwheel (only) Anti-Clockwise Closing	VZDHW08500A7K	80-150		VZDHW08500C7K	80-150
	VZDHW20500A7K	200		VZDHW20500C7K	200
	VZDHW22500A7K	225-300		VZDHW22500C7K	225-300
	VZDHW37500A7K	375-400			

Certified Product



Manufactured and Independently certified by SAI Global to AS/NZS 2638.2.2002.
 Ductile Iron body, with a Rilsan Nylon 11 coating to AS4158. Fully EPDM Encapsulated Resilient Seated Wedge, with Stainless Steel and Gunmetal internals. Available as Anti-clockwise Closing for Underground use, flanged to AS4087 Fig B5 (Table D). Clockwise closing available for above ground use, supplied with handwheel, and flanged ends.
 Maximum working Pressure 16 Bar, Body Tested to 24 Bar.

BELGICAST RESILIENT SEATED GATE VALVE

	Code	Size OD (mm)
Belgicast Resilient Seated Gate Valve BSP Thread	ZZ6NZ0270	50



HYDRANT VALVES

	Code	Size		Code	Size
AVK Squat Hydrant	ZZ6NZ6138	Squat			
			AVK Tall Hydrant	ZZ6N6135	Tall



METAL VALVES

GATE VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Kitz DZR Gate Valve 	VGASFH015	15	Body	DR Brass	Thread MAX Working Temperature Cold Working Pressure Size	BSP 180°C 16 bar 15-50 NB
	VGASFH020	20	Bonnet	DR Brass		
	VGASFH025	25	Wedge	DR Brass		
	VGASFH032	32	Stem	DR Brass		
	VGASFH040	40	Hand Wheel	Ductile Iron		
	VGASFH050	50	Packing	PTFE		
			Threading	BS21 Rp		
A-Gate Brass Gate Valve 	AGVFF/015	15	Body	Brass	Thread MAX Working Temperature Cold Working Pressure Size	BSP 180°C 16 bar 15-100 NB
	AGVFF/020	20	Bonnet	Brass		
	AGVFF/025	25	Wedge	Brass		
	AGVFF/032	32	Stem	Brass		
	AGVFF/040	40	Hand Wheel	Ductile Iron		
	AGVFF/050	50	Packing	PTFE		
	AGVFF/065	65	Threading	BS21 Rp		
	AGVFF/080	80				
	AGVFF/100	100				
						Tee handle available on request.
Stainless Steel Gate Valve 	HSGAVSS/015	15	Stem	316 Stainless Steel	Thread MAX Working Temperature Cold Working Pressure Size	BSP 180°C 14 bar 15-50 NB
	HSGAVSS/020	20	Body	CF8M		
	HSGAVSS/025	25	Bonnet	CF8M		
	HSGAVSS/032	32	Wedge	CF8M		
	HSGAVSS/040	40	Wedge	CF8M		
	HSGAVSS/050	50	Gasket	PTFE		
			Hand wheel	Ductile Iron		
			Name Plate	Aluminium Alloy		
			Nut	304 Stainless Steel		
CMO Stainless Steel Knife Gate Valve ANSI 150 Drilling 	CMVA5V2I1/080	80	Body	CF8M	Flange MAX Working Temperature Cold Working Pressure Size	ANSI 150 & AS2129 T/E 90°C 5 to 10 Bar depending on size 80-300 NB
	CMVA5V2I1/100	100	Gland Packing	Synthetic + PTFE		
	CMVA5V2I1/150	150	Gland	CF8M		
	CMVA5V2I1/200	200	Gate	316 Stainless Steel		
	CMVA5V2I1/250	250	Yoke	Steel		
	CMVA5V2I1/300	300	Hand Wheel	Ductile Iron		
			Stem	304 Stainless Steel		
			Clevis	CF8		
			Seat	EPDM		
CMO Stainless Steel Knife Gate Valve Table E Drilling 	CMVA7V2I1/080	80			Bi Directional, Bonneted, other Knife Gate Valve Types, and Body Materials available on request.	
	CMVA7V2I1/100	100				
	CMVA7V2I1/125	125				
	CMVA7V2I1/150	150				
	CMVA7V2I1/200	200				
	CMVA7V2I1/250	250				
	CMVA7V2I1/300	300				



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METAL VALVES

GLOBE VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Kitz Bronze Globe Valve Screwed Bonnet	VGLBC/015	15	Body	LG2 Gunmetal Bronze	Thread	BSP
	VGLBC/020	20		LG2 Gunmetal Bronze	MAX Working Temperature	220°C
	VGLBC/025	25		LG2 Gunmetal Bronze	Cold Working Pressure	20 Bar
	VGLBC/032	32		LG2 Gunmetal Bronze	Size	15-50 NB
	VGLBC/040	40		LG2 Gunmetal Bronze	Applications – For use on Water Oil & Gas, and 125 PSI Saturated Steam	
	VGLBC/050	50		CZ121 Brass		
				CZ121 Brass		
				Ductile Iron		
				PTFE		
Kitz Bronze Globe Valve Union Bonnet	VGLBD/015	15	Body	LG2 Gunmetal Bronze	Thread	BSP
	VGLBD/020	20		LG2 Gunmetal Bronze	MAX Working Temperature	220°C
	VGLBD/025	25		LG2 Gunmetal Bronze	Cold Working Pressure	30 Bar
	VGLBD/032	32		LG2 Gunmetal Bronze	Size	15-50 NB
	VGLBD/040	40		GF PTFE	Applications – For use on Water Oil & Gas, and 150 PSI Saturated Steam	
	VGLBD/050	50		CZ121 Brass		
				CZ121 Brass		
				Ductile Iron		
				PTFE		
Stainless Steel Globe Valve	HSGL/015	15	Body	316 Stainless Steel	Thread	BSP
	HSGL/020	20		316 Stainless Steel	MAX Working Temperature	180°C
	HSGL/025	25		316 Stainless Steel	Cold Working Pressure	14 Bar
	HSGL/032	32		316 Stainless Steel	Size	15-50 NB
	HSGL/040	40		316 Stainless Steel		
	HSGL/050	50		316 Stainless Steel		
				PTFE		
				316 Stainless Steel		
				316 Stainless Steel		
				PTFE		
				316 Stainless Steel		
				316 Stainless Steel		
				316 Stainless Steel		
				Ductile Iron		
				Aluminium Alloy		
				304 Stainless Steel		
Stainless Steel Needle Valve	VMNV/006	6	Body	316 Stainless Steel	Thread	BSP
	VMNV/008	8		304 Stainless Steel	MAX Working Temperature	230°C
	VMNV/010	10		PTFE	Cold Working Pressure	408 Bar
	VMNV/015	15		316 Stainless Steel	Size	6-25 NB
	VMNV/020	20		304 Stainless Steel		
	VMNV/025	25				

METAL VALVES

CHECK VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
RUB Brass Swing Check Valve (Metal Seated) 	BVCM/015	15	Body	Brass		Thread
	BVCM/020	20	Bonnet	Brass		MAX Working Temperature
	BVCM/025	25	Hinge Pin Nut	Brass		200°C
	BVCM/032	32	Clapper	Brass		Cold Working Pressure
	BVCM/040	40	Seat	Brass or NBR		12 bar
	BVCM/050	50				Size
	BVCM/065	65				15-80 NB
	BVCM/080	80				For horizontal installation. Applications - oil, water.
RUB Brass Swing Check Valve (NBR Soft Seated) 	BVCS/015	15				
	BVCS/020	20				
	BVCS/025	25				
	BVCS/032	32				
	BVCS/040	40				
	BVCS/050	50				
	BVCS/065	65				
	BVCS/080	80				
Europa Brass Spring Check Valve 	BVEC/010	10	Body	Brass CW 617N		Thread
	BVEC/015	15	Pin	Brass CW614N		MAX Working Temperature
	BVEC/020	20	Plate	304 Stainless Steel		80°C
	BVEC/025	25	Seat	NBR		Cold Working Pressure
	BVEC/032	32	Spring	302 Stainless Steel		Up to 25 Bar
	BVEC/040	40				Size
	BVEC/050	50				10-100 NB
	BVEC/065	65				Suitable for hot/cold water, oils.
	BVEC/080	80				Applications – Can be fitted in horizontal, vertical or oblique position.
	BVEC/100	100				
RUB Brass Spring Check Valve 	BVVC/008	8	Body	Brass CW 617N		Thread
	BVVC/010	10	Plate	Polymeric resin		MAX Working Temperature
	BVVC/015	15	Seat	NBR		80°C
	BVVC/020	20	Spring	Stainless Steel AISI 302		Cold Working Pressure
	BVVC/025	25				up to 40 Bar
	BVVC/032	32				Size
	BVVC/040	40				8-100 NB
	BVVC/050	50				Suitable for hot/cold water, oils.
	BVVC/065	65				Applications – Can be fitted in horizontal, vertical or oblique position.
	BVVC/080	80				
	BVVC/100	100				
Stainless Steel Swing Check Valve 	HSCV/015	15	Body	SS CF8M		Thread
	HSCV/020	20	Bonnet	SS CF8M		MAX Working Temperature
	HSCV/025	25	Hanger Pin	316 Stainless Steel		230°C
	HSCV/032	32	Disc	CF8M		Cold Working Pressure
	HSCV/040	40	Plug	316 Stainless Steel		63 bar
	HSCV/050	50	Plug Gasket	PTFE		Size
						15-50 NB
						Applications – water, oil, chemicals, corrosive environment and liquids.
Stainless Steel In-line Spring Check Valve 	VMCV/015	15	Body	316 Stainless Steel		Thread
	VMCV/020	20	Disc	316 Stainless Steel		MAX Working Temperature
	VMCV/025	25	Spring	316 Stainless Steel		180°C
	VMCV/032	32	Spring Cap	316 Stainless Steel		Cold Working Pressure
	VMCV/040	40	Cap	316 Stainless Steel		63 bar
	VMCV/050	50	Joint Gasket	PTFE		Size
						15-50 NB
						Socket weld available on request.
						Applications – water, oil, air, gases, chemicals, corrosive environment and liquids.

THE SMARTER CHOICE.

METAL VALVES

CHECK VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS
			Part	Material	
A-Check Wafer Dual Plate Check Valve 	ACVCI316/050	50	Body	Cast Iron	Fits Flanges T/E, ANSI 125, PN16 MAX Working Temperature 80°C Cold Working Pressure 16 Bar Size 50-300 NB
	ACVCI316/065	65	Spring	316 Stainless Steel	
	ACVCI316/080	80	Disc	Ductile Iron/ 316 Stainless Steel	
	ACVCI316/100	100	Seat	EPDM	
	ACVCI316/125	125	Shaft	304/316 Stainless Steel	
	ACVCI316/150	150	Flange Gasket	EPDM	
	ACVCI316/200	200			
	ACVCI316/250	250			
	ACVCI316/300	300			
	ACVCI316/350	350			
	ACVCI316/400	400			
Ball Check Valve 	ACVBC/050	50	Body	Ductile Iron	MAX Working Temperature 80°C Cold Working Pressure 16 Bar Ends BSP / AS2129 T/E & D Size 50-300 NB
	ACVBC/065	65	Cover	Ductile Iron	
	ACVBC/080	80	Ball	Metal + NBR	
	ACVBDF/080	80	Gasket	EPDM	
	ACVBDF/100	100			
	ACVBDF/125	125			
	ACVBDF/150	150			
	ACVBDF/200	200			
	ACVBDF/250	250			
	ACVBDF/300	300			
*ACVBC = BSP Threaded *ACVBDF = Flanged			Application – Irrigation Service.		

SAFETY RELIEF VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS
			Part	Material	
VYC Relief Valves Model 095 AP 	VYCO95AP/015	15	Type	AP – Open Cap with Lever	Pressure Range Air & Gases 0.5 to 16 Bar Pressure Range Steam 0.5 to 13 Bar MAX Temperature 230°C Size 15-50 NB Open Lever not suitable for back pressure applications. Available in Stainless Steel on Request. Under 3.5Bar set Pressure seat needs to be Silicon or Viton
	VYCO95AP/020	20	Design	ISO 4126-1:2004	
	VYCO95AP/025	25	Complies with	Directive 97/23/EC & ATEX 94/9/CE	
	VYCO95AP/032	32	Body & Trim Material	Brass EN-CW617N	
	VYCO95AP/040	40	Connections	BSP M/F	
	VYCO95AP/050	50	Seat	PTFE	
VYC Relief Valves Model 095 ES 	VYCO95ES/015	15	Type	ES – Closed Cap	Pressure Range Air & Gases 0.5 to 16 Bar Pressure Range Steam 0.5 to 13 Bar MAX Temperature 230°C Size 15-50 NB Closed Cap suitable for back pressure applications. Available in Stainless Steel on Request. Under 3.5Bar set Pressure seat needs to be Silicon or Viton
	VYCO95ES/020	20	Design	ISO 4126-1:2004	
	VYCO95ES/025	25	Complies with	Directive 97/23/EC & ATEX 94/9/CE	
	VYCO95ES/032	32	Body & Trim Material	Brass EN-CW617N	
	VYCO95ES/040	40	Connections	BSP M/F	
	VYCO95ES/050	50	Seat	PTFE	

METAL VALVES

BALL VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Stainless Steel Full Bore Ball Valve 3 Piece 	VMBVSS/008	8	Body	316 Stainless Steel	Thread	BSPT
	VMBVSS/010	10		316 Stainless Steel		180°C
	VMBVSS/015	15		316 Stainless Steel		
	VMBVSS/020	20		316 Stainless Steel		
	VMBVSS/025	25		RPTFE	Cold Working Pressure	69 Bar
	VMBVSS/032	32		PTFE	Size	8-80 NB
	VMBVSS/040	40			Also available with socket weld ends. Applications – For air, water, hot/cold corrosive fluids in harsh environments.	
	VMBVSS/050	50				
	VMBVSS/080	80				
Stainless Steel Full Bore Ball Valve 2 Piece 	VMBVSS2/008	8	Body	316 Stainless Steel	Thread	BSPT
	VMBVSS2/010	10		316 Stainless Steel		180°C
	VMBVSS2/015	15		316 Stainless Steel		
	VMBVSS2/020	20		316 Stainless Steel		
	VMBVSS2/025	25		RPTFE	Cold Working Pressure	69 Bar
	VMBVSS2/032	32		PTFE	Size	8-80 NB
	VMBVSS2/040	40			Also available with socket weld ends. Applications – For air, water, hot/cold corrosive fluids in harsh environments.	
	VMBVSS2/050	50				
	VMBVSS2/080	80				
Stainless Steel Full Bore Ball Valve w/ Mounting Pad 	VMBVISO/008	8	Body	316 Stainless Steel	Thread	BSPT
	VMBVISO/010	10		316 Stainless Steel		180°C
	VMBVISO/015	15		316 Stainless Steel		
	VMBVISO/020	20		316 Stainless Steel		
	VMBVISO/025	25		RPTFE	Cold Working Pressure	69 Bar
	VMBVISO/032	32		Live Loaded PTFE	Size	8-100 NB
	VMBVISO/040	40			To ISO5211. Also available with socket weld ends. Applications – For air, water, hot/cold corrosive fluids in harsh environments.	
	VMBVISO/050	50				
	VMBVISO/080	80				
	VMBVISO/100	100				
A-Ball Stainless Steel 3 Way Ball Valve, L Port, Female/Female 	ABVSSL/010	10	Body	316 Stainless Steel	Thread	BSPP
	ABVSSL/015	15		316 Stainless Steel		180°C
	ABVSSL/020	20		316 Stainless Steel		
	ABVSSL/025	25		316 Stainless Steel		
	ABVSSL/032	32		RPTFE	Cold Working Pressure	55 Bar
	ABVSSL/040	40		SS	Size	10-50 NB
	ABVSSL/050	50			Steam seats available on request.	
	ABVSSL/065	65				
	ABVSSL/080	80				
A-Ball Stainless Steel 3 Way Ball Valve, T Port, Female/Female 	ABVSST/008	8	Body	316 Stainless Steel	Thread	BSPT
	ABVSST/015	15		316 Stainless Steel		210°C
	ABVSST/020	20		316 Stainless Steel		
	ABVSST/025	25		316 Stainless Steel		
	ABVSST/032	32		CTFE	Cold Working Pressure	69 Bar
	ABVSST/040	40		PTFE	Size	8-80 NB
	ABVSST/050	50			Also available with socket weld ends. Applications - For air, water, hot/cold corrosive fluids in harsh environments.	
	ABVSST/080	80				
A-Ball Stainless Steel 3 Way Ball Valve, Steam Seat T Port, 	ABVSSST/015	15	Body	316 Stainless Steel	Thread	BSPT
	ABVSSST/020	20		316 Stainless Steel		210°C
	ABVSSST/025	25		316 Stainless Steel		
	ABVSSST/032	32		CTFE	Cold Working Pressure	69 Bar
	ABVSSST/040	40		PTFE	Size	8-80 NB
	ABVSSST/050	50			Also available with socket weld ends. Applications - For air, water, hot/cold corrosive fluids in harsh environments.	

THE SMARTER CHOICE.

METAL VALVES

BALL VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material	Thread	BSPP MxF & FxF
RUB S.51 Brass Ball Valve Long Pattern Female/Female Lever Handle	BVT201/008	8	Body Seat Retainer Seat Ball Stem Packing Lever Lever Retaining Nut	Brass (Nickel Plated)	MAX Working Temperature Cold Working Pressure Size	170°C 30 Bar 8-100 NB
	BVT201/010	10		Brass (Nickel Plated)		
	BVT201/015	15		PTFE		
	BVT201/020	20		Brass (Chromium plated)		
	BVT201/025	25		Brass		
	BVT201/032	32		Viton (Double O Ring)		
	BVT201/040	40		Geomet Coated Steel		
	BVT201/050	50		Geomet Coated Steel		
	BVT201/065	65				
	BVT201/080	80				
	BVT201/100	100				
RUB S.51 Brass Ball Valve Long Pattern Male/Female Lever Handle	BVT202/008	8	Body Seat Retainer Seat Ball Stem Packing Lever Lever Retaining Nut	Brass	MAX Working Temperature Cold Working Pressure Size	170°C 30 Bar 8-100 NB
	BVT202/010	10		Brass		
	BVT202/015	15		PTFE		
	BVT202/020	20		Brass (Chromium plated)		
	BVT202/025	25		Brass		
	BVT202/032	32		Viton (Double O Ring)		
	BVT202/040	40		Geomet Coated Steel		
	BVT202/050	50		Geomet Coated Steel		
RUB S.51 Brass Ball Valve Long Pattern Female/Female T Handle	BVT207/008	8	Body Seat Retainer Seat Ball Stem Packing Lever Lever Retaining Nut	Brass	MAX Working Temperature Cold Working Pressure Size	170°C 30 Bar 8-100 NB
	BVT207/010	10		Brass		
	BVT207/015	15		PTFE		
	BVT207/020	20		Brass (Chromium plated)		
	BVT207/025	25		Brass		
				Viton (Double O Ring)		
				Geomet Coated Steel		
				Geomet Coated Steel		
RUB S.51 Brass Ball Valve Long Pattern Male/Female T Handle	BVT208/008	8	Body Seat Retainer Seat Ball Stem Packing Lever Lever Retaining Nut	Brass	MAX Working Temperature Cold Working Pressure Size	170°C 30 Bar 8-100 NB
	BVT208/010	10		Brass		
	BVT208/015	15		PTFE		
	BVT208/020	20		Brass (Chromium plated)		
	BVT208/025	25		Brass		
				Viton (Double O Ring)		
				Geomet Coated Steel		
				Geomet Coated Steel		
RUB S.51 Brass Ball Valve Long Pattern Female/Female Lockable Handle	BVTLH/015	15	Body Seat Retainer Seat Ball Stem Packing Lever Lever Retaining Nut	Brass	MAX Working Temperature Cold Working Pressure Size	170°C 30 Bar 8-100 NB
	BVTLH/020	20		Brass		
	BVTLH/025	25		PTFE		
	BVTLH/032	32		Brass (Chromium plated)		
	BVTLH/040	40		Brass		
	BVTLH/050	50		Viton (Double O Ring)		
				Geomet Coated Steel		
				Geomet Coated Steel		

METAL VALVES

KITZ BUTTERFLY VALVES

KITZ BUTTERFLY VALVES, CONCENTRIC WITH BONDED SEAT

DN 50-300, EPDM/NBR liner for drinking water, SS316 disc

Kitz Figure DJ range of concentric butterfly valves are available in wafer and lug design with lever and gearbox.

The design has bonded seats and spherical design for discs and seats to minimise wear and prolong service life.

The valve is available with EPDM and NBR Linings and has a low operating torque.

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS
			Part	Material	
Kitz Wafer Butterfly Valve, EPDM 	VBFWE050	50	Body	Ductile Iron	Flanges - Wafer Universal: AS2129 D/E EN 1092 PN 10/16 ANSI 125/150
	VBFWE065	65	Handle / Gearbox	Aluminium	
	VBFWE080	80	Disc	316 Stainless Steel	
	VBFWE100	100	Seat	EPDM or NBR	
	VBFWE125	125	Bushing	Epoxy Glass Fibre Composite	
	VBFWE150	150	Notch Plate	316 Stainless Steel	
	VBFWE200	200	O-Ring	EPDM or Nitrile	
	VBFWE250	250			
	VBFWE300	300			
Lever Handle as standard 50-200mm Gearbox 250-300mm 	VBFWN050	50	Cold Working Pressure	16 Bar	Lever Operated up to DN200, Gear Operated above.
	VBFWN065	65	MAX Working Temperature EPDM	EPDM 110°C	
	VBFWN080	80	MAX Working Temperature Nitrile	Nitrile 80°C	
	VBFWN100	100	Size	50-300 NB	
	VBFWN125	125			
	VBFWN150	150			
	VBFWN200	200			
	VBFWN250	250			
	VBFWN300	300			

THE SMARTER CHOICE.

METAL VALVES

KITZ BUTTERFLY VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS
			Part	Material	
Kitz Lugged Butterfly Valve, ANSI 150, EPDM	VBFLAE050	50	Body	Ductile Iron	Flanges - Lugged AS2129 D/E EN 1092 PN 10/16 ANSI 125/150
	VBFLAE065	65	Handle / Gearbox	Aluminium	
	VBFLAE080	80			
	VBFLAE100	100	Disc	316 Stainless Steel	
	VBFLAE125	125	Seat	EPDM or NBR	
	VBFLAE150	150	Bushing	Epoxy Glass Fibre Composite	
	VBFLAE200	200	Notch Plate	316 Stainless Steel	
	VBFLAE250	250	O-Ring	EPDM or Nitrile	
	VBFLAE300	300			
Lever Handle as standard 50-200mm Gearbox 250-300mm					Cold Working Pressure 16 Bar MAX Working Temperature EPDM 110°C MAX Working Temperature Nitrile 80°C Size 50-300 NB
Kitz Lugged Butterfly Valve, ANSI 150, NBR	VBFLAN050	50			Lever Operated up to DN200, Gear Operated above.
	VBFLAN065	65			
	VBFLAN080	80			
	VBFLAN100	100			
	VBFLAN125	125			
	VBFLAN150	150			
	VBFLAN200	200			
	VBFLAN250	250			
	VBFLAN300	300			
Lever Handle as standard 50-200mm Gearbox 250-300mm					
Kitz Lugged Butterfly Valve, Table E, EPDM	VBFLEE050	50			
	VBFLEE065	65			
	VBFLEE080	80			
	VBFLEE100	100			
	VBFLEE125	125			
	VBFLEE150	150			
	VBFLEE200	200			
	VBFLEE250	250			
	VBFLEE300	300			
Lever Handle as standard 50-200mm Gearbox 250-300mm					
Kitz Lugged Butterfly Valve, Table E, NBR	VBFLEN050	50			
	VBFLEN065	65			
	VBFLEN080	80			
	VBFLEN100	100			
	VBFLEN125	125			
	VBFLEN150	150			
	VBFLEN200	200			
	VBFLEN250	250			
	VBFLEN300	300			
Lever Handle as standard 50-200mm Gearbox 250-300mm					
Kitz Lugged Butterfly Valve, EN1092, PN16, EPDM	VBFLME050	50			
	VBFLME065	65			
	VBFLME080	80			
	VBFLME100	100			
	VBFLME125	125			
	VBFLME150	150			
	VBFLME200	200			
	VBFLME250	250			
	VBFLME300	300			
Lever Handle as standard 50-200mm Gearbox 250-300mm					

METAL VALVES

AVK BUTTERFLY VALVES

AVK BUTTERFLY VALVES, CONCENTRIC WITH LOOSE LINER

DN 50-300, EPDM liner for drinking water, SS316 disc, square shaft

AVK's Series 576 range of concentric butterfly valves are available in wafer and lug design with lever and gearbox. The design is with anti-blowout shaft, hexagon connection, low friction bearings and an EPDM liner with reinforced seating area and profiled flange gaskets.

	Code	Size NB (mm)	STANDARDS	FEATURES
AVK Wafer Butterfly Valve 	VBFWAVK050 VBFWAVK065 VBFWAVK080 VBFWAVK100 VBFWAVK125 VBFWAVK150 VBFWAVK200 VBFWAVK250 VBFWAVK300	50 65 80 100 125 150 200 250 300	Designed according to EN 593 Face to face according to EN 558 Table 2 Basic Series 20 Universal Wafer Body	Ductile iron body with long neck for insulation Anti-blowout 2-stub shaft with uneven hexagon for safe assembly Both shafts carried by low friction PTFE coated bearings Loose liner of drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft. Slim disc design with internal hexagon for drive shaft connection Dew point blocker for heat insulation from lever or wormgear Anti blow-out plate at the top and a plug at the bottom Two POM bearings and an EPDM O-ring at the top as backup sealing 350 µm epoxy coating, RAL 5017 Lever of high strength reinforced synthetic material with 10 position notch plate (DN 50-200) Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 250-300)
Lever Handle as standard 50-200mm Gearbox 250-300mm				
AVK Lugged Butterfly Valve 4087, PN16, EPDM 	VBFLAVKD/E050 VBFLAVKD/E065 VBFLAVKD/E080 VBFLAVKD/E125 VBFLAVKD100 VBFLAVKD150 VBFLAVKD200 VBFLAVKD250 VBFLAVKD300	50 65 80 100 125 150 200 250 300	Designed according to EN 593 Face to face according to EN 558 Table 2 Basic Series 20 Lugged Body drilling to AS 2129 table D / AS/NZS 4087 PN16	Ductile iron body with long neck for insulation Anti-blowout 2-stub shaft with uneven hexagon for safe assembly Both shafts carried by low friction PTFE coated bearings Loose liner of drinking water approved EPDM with reinforced seating area and integrated, profiled flange gaskets. The shaft holes are dimensioned to create compression around the shaft. Slim disc design with internal hexagon for drive shaft connection Dew point blocker for heat insulation from lever or wormgear Anti blow-out plate at the top and a plug at the bottom Two POM bearings and an EPDM O-ring at the top as backup sealing 350 µm epoxy coating, RAL 5017 Lever of high strength reinforced synthetic material with 10 position notch plate (DN 50-200) Self locking gearbox with handwheel, adjustable end stops and mechanical position indicator (DN 250-300)
Lever Handle as standard 50-200mm Gearbox 250-300mm				
AVK Lugged Butterfly Valve Table E, EPDM 	VBFLAVKE100 VBFLAVKE150 VBFLAVKE200 VBFLAVKEG250 VBFLAVKEG300	100 150 200 250 300		
Lever Handle as standard 50-200mm Gearbox 250-300mm				

THE SMARTER CHOICE.

METAL VALVES

WATER AND WASTEWATER VALVES

VALMATIC VALVES						
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Valmatic ABF Butterfly Valve Undrilled 	VBFDBFG100	100	Body	Ductile Iron FBE Coated	Flanges	Drilling TBC
	VBFDBFG150	150	Disc	Ductile Iron FBE Coated	Max Pressure	17 Bar
	VBFDBFG200	200	Shaft	316 Stainless Steel	Max Temperature	80°C
	VBFDBFG250	250	Bearings	PTFE Impregnated Stainless Steel	Certified to	AWWA C504
	VBFDBFG300	300	Disc Seal	NBR	Size	100 - 3600 NB
	VBFDBFG350	350	Seal Retainer	316 Stainless Steel		
	VBFDBFG400	400	Fastenings	316 Stainless Steel		
	VBFDBFG450	450				
	VBFDBFG500	500				
	VBFDBFG600	600				
	VBFDBFG750	700				
* Other sizes available on request.						
 American Water Works Association						
Valmatic Camcentric Plug Valve 	VPDBFBG080	80	Body	Ductile Iron FBE Coated	Flanges	Drilling TBC
	VPDBFBG100	100	Packing	NBR Vee Packing	Max Pressure	10 Bar
	VPDBFBG150	150	Bearing Seals	NBR Grit Guard (Patented)	Max Temperature	80°C
	VPDBFBG200	200	Bearings	PTFE Impregnated Stainless Steel	Certified to	AWWA C517 Certified
	VPDBFBG250	250	Plug / Shaft	NBR Encapsulated Ductile Iron	Size	80 - 300NB
	VPDBFBG300	300	Bolts	316 Stainless Steel		
* Other sizes available on request.						
 American Water Works Association						
Valmatic Swingflex Check Valve 	Available on Request	Body	Ductile Iron FBE Coated	Flanges	Drilling TBC	
		Cover	Ductile Iron FBE Coated	Max Pressure	17 Bar	
		Disc	NBR Encapsulated Steel	Max Temperature	80°C	
		Cover Bolts	316 Stainless Steel	Certified to	AWWA C508 Certified	
		Cover Gasket	Non-Asbestos Fibre	Size	80 - 600NB	
* Other sizes available on request.						
 American Water Works Association						
Valmatic Surgebuster Check Valve 	Available on Request	Body	Ductile Iron FBE Coated	Flanges	Drilling TBC	
		Cover	Ductile Iron FBE Coated	Max Pressure	PN17	
		Disc	NBR Encapsulated Steel	Max Temperature	80°C	
		Disc Accelerator	Stainless Steel	Certified to	AWWA C508 Certified	
		Cover Bolts	316 Stainless Steel	Size	50 - 1200NB	
		Cover Gasket	Non-Asbestos Fibre			
* Other sizes available on request.						
 American Water Works Association						

METAL VALVES

WATER AND WASTEWATER VALVES

VALMATIC VALVES

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Valmatic Silent Check Valve 	VCGS080	80	Body	Cast Iron	Flanges	Drilling TBC
	VCGS100	100	Disc	Lead Free Bronze	Max Pressure	17 Bar
	VCGS150	150	Seat	Lead Free Bronze	Max Temperature	80°C
	VCGS200	200	Resilient Seat	NBR / EPDM	Certified to	AWWA C508 Certified
	VCGS250	250	Spring	T316 Stainless Steel	Size	80 - 600NB
	VCGS300	300				* Other sizes available on request.
	VCGS400	400				
	VCGS450	450				
	VCGS500	500				
	VCGS600	600				
Valmatic Water Air Release Valve 	VAN015	15	Body	Ductile Iron FBE Coated	Thread	NPT
	VAN020	20	Cover	Ductile Iron FBE Coated	Max Pressure	12 Bar
	VAN025	25	Float	316 Stainless Steel	Max Temperature	80°C
	VAN050	50	Seal	NBR	Certified to	AWWA C512 Certified
	VAN080	80	Fastenings	316 Stainless Steel	Size	15 - 80 NB
Valmatic Water Air Vacuum Valve 	VAVN050	50	Body	Ductile Iron FBE Coated	Thread	NPT
	VAVN050X025	50x25	Cover	Ductile Iron FBE Coated	Max Pressure	upto PN20
	VAVN080	80	Float	316 Stainless Steel	Max Temperature	80°C
			Seal	NBR	Certified to	AWWA C512 Certified
			Fastenings	316 Stainless Steel	Size	50 - 80 NB
Valmatic Water Combination Air Valve 	VACN025	25	Body	Ductile Iron FBE Coated	Thread	NPT
	VACN050	50	Cover	Ductile Iron FBE Coated	Max Pressure	upto PN20
	VACN080	80	Float	316 Stainless Steel	Max Temperature	80°C
	VACN100	100	Seal	NBR	Certified to	AWWA C512 Certified
			Fastenings	316 Stainless Steel	Size	25 - 100 NB

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METAL VALVES

WATER AND WASTEWATER VALVES

VALMATIC VALVES					
	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS
			Part	Material	
Valmatic Wastewater Air Release Valve	 Available on request		Body	Ductile Iron FBE Coated	Thread NPT
			Cover	Ductile Iron FBE Coated	Max Pressure 10 Bar
			Float	316 Stainless Steel	Max Temperature 80°C
			Seal	NBR	Certified to AWWA C512 Certified
			Fastenings	316 Stainless Steel	Size Available on request
					Note: Air Valves should be sized to suit a required discharge capacity.
Valmatic Wastewater Air Vacuum Valve	 Available on request		Body	Ductile Iron FBE Coated	Thread NPT
			Cover	Ductile Iron FBE Coated	Max Pressure 10 Bar
			Float	316 Stainless Steel	Max Temperature 80°C
			Seal	NBR	Certified to AWWA C512 Certified
			Fastenings	316 Stainless Steel	Size Available on request
					Note: Air Valves should be sized to suit a required discharge capacity.
Valmatic Wastewater Combination Air Valve	VACNWW050	50	Body	Ductile Iron FBE Coated	Thread NPT
	VACNWW050025	50x25	Cover	Ductile Iron FBE Coated	Max Pressure 10 Bar
	VACNWW080	80	Float	316 Stainless Steel	Max Temperature 80°C
	VACNWW100	100	Seal	NBR	Certified to AWWA C512 Certified
			Fastenings	316 Stainless Steel	Size 25 - 100 NB
					* Other sizes available on request. Note: Air Valves should be sized to suit a required discharge capacity.

METAL VALVES

WATER AND WASTEWATER VALVES

OTHER VALVES

	MATERIALS		SPECIFICATIONS	
	Part	Material		
Proco 740 Inline Duckbill Check Valves	Body	Neoprene	Flanges	In-Line
	Connection	Slip in expanding clamp	Max Pressure	To Suit Customer Requirements
	Clamp Material	Duplex Stainless Steel	Max Temperature	82°C (Neoprene)
			Certified	AWWA, UL,FSA, NAHAD
			Size	50 - 1800NB
				On Indent.
				Other materials are available on request.
				Other Designs available on request.
Larner Johnson Valves	Body	Ductile Iron, Cast Steel, & Aluminium Bronze	Flanges	To Suit
	Plunger/Needle	Stainless Steel Gr 1.4301	Max Pressure	50 Bar
	Nose Piece	Aluminium Bronze	Max Temperature	82°C (Neoprene)
	Pilot Valve	Aluminium Bronze	Max Velocity	Up to 12m/sec
	Cross Shaft	Stainless Steel Gr 1.4057	Size	80 - 2500NB
	O Rings	EPDM		On Indent.
	Fastenings	Stainless Steel A2		Other materials are available on request.
				Other Designs available on request.
Metso Neles RA Series Segmented Ball Valve	Body	316 Stainless Steel	Type	V-Port Control Valve
	Segmented Ball	"329 Stainless Steel + Chromium"	Flanges	Flangeless, reduced bore, Metso face to face length Body Class 300/ PN 40
	Stem	329 Duplex Stainless Steel	Pressure/Shut off Control	up to 50 Bar / 35 Bar
	Back Seal	Stainless Steel + PTFE	Temperature	up to 600°C
	Packing	"PTFE Graphite optional"	Flow Characteristic	Equal Percentage
	Seats	Cobolt Based Alloy PTFE Optional	Approvals	Fire test to BS6755 and API607 4th edition
	Bearing	PTFE + Stainless Steel Net	Options	Pneumatic Actuation, Limit Switch Pneumatic Positioner, Electro-Pneumatic Positioner (Smart), & Electric
				Suitable for Water & Wastewater Flow Control.
Prisma Pneumatic Actuators	Body	Aluminium Rilsan coated both internally & externally. Stainless Steel Option	Design	Atex directive 94-9-EC
	Valve mounting	ISO-5211	Rotation	90 degrees
	Switch mounting	VDI/VDE 3845 NAMUR	MAX Working Pressure	8 Bar
	Torques for Double Acting @ 5.5 Bar Air supply	15.5 Nm – 4600 Nm	Working Temperature	-32 to 90°C
	Torques for Spring Return @ 5.5 Bar Air supply	5.5 Nm – 4011 Nm	Springs	Pre-loaded & captured
			Stroke adjustment	From 85 to 92 degrees
			Protection	IP67
Aluminium				
Stainless Steel				

THE SMARTER CHOICE.

METAL VALVES

WATER AND WASTEWATER VALVES

OTHER VALVES

	MATERIALS		SPECIFICATIONS	
	Part	Material	Protection	IP67
Prisma Limit Switch 	Switches	Polyester coated Aluminium	Protection	IP67
		V3 or P&F Proximity	Terminal Connections	8 Terminal connections
			Position Indication	Coloured with "Open" or "Close"
Solenoid Valve 	Material	Polyamide or Aluminium	Protection	IP65 with cable plug
			Voltage	24 DC, 24/110/230 AC 50-60 Hz
			Connections	3/2, 5/2, and 5/3
			Port Size	Threaded 1/4"

Rotork Actuators and Controls

Available on request.



MACK Pilot Operated Control Valves

Available on request.



FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

STANDARD AND IDENTIFICATION: Standard for production and use EN 10242 : 1994. Fittings made of high quality blackheart malleable cast iron to ASTM A-197, ASTM A47.

THREADS: The threads are cut according to AS 1722.1 / ISO 7/1. Parallel internal thread (RP) and tapered external thread (R).

APPLICATION: All the fittings are adequate for the supply of water at recommended maximum working pressures of 1379kPa and gas, steam and compressed air at recommended maximum working pressure of 1034 kPa. Note: Working pressures may also be limited by relevant pressure piping codes or Industry regulations.

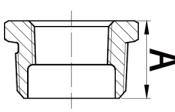
DIMENSIONS: All the fittings are manufactured to the specifications of standard BS EN 10242, BS 143, BS 1256.

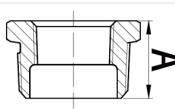
INSPECTION: All the fittings are inspected for conformity with the specifications of standard EN 10242.

MARKING: All the fittings, when possible, are marked with brand and/or with the nominal size identification.

HOT DIP: The fittings are delivered in hot dip galvanised finish, as prescribed by the standard EN 10242.

LEAK TEST: Applying the standard EN 10242 each individual fitting is subjected to a pressure test with a min. hydrostatic pressure of 2068 kPa, which is equivalent to a pneumatic pressure of min. 500 kPa, without showing any sign of leakage or abnormality.

Galvanised Malleable Hexagon Bush				
	Code	Size (mm)	A	Approx Weight
	GB008006	8 x 6	20	0.02
	GB010006	10 x 6	20	0.02
	GB010008	10 x 8	20	0.02
	GB015006	15 x 6	24	0.04
	GB015008	15 x 8	24	0.04
	GB015010	15 x 10	24	0.03
	GB020006	20 x 6	26	0.07
	GB020008	20 x 8	26	0.07
	GB020010	20 x 10	26	0.06
	GB020015	20 x 15	26	0.05
	GB025008	25 x 8	29	0.11
	GB025010	25 x 10	29	0.11
	GB025015	25 x 15	29	0.10
	GB025020	25 x 20	29	0.10
	GB032010	32 x 10	31	0.18
	GB032015	32 x 15	31	0.18
	GB032020	32 x 20	31	0.17
	GB032025	32 x 25	31	0.13
	GB040010	40 x 10	31	0.24
	GB040015	40 x 15	31	0.24
	GB040020	40 x 20	31	0.24
	GB040025	40 x 25	31	0.20
	GB040032	40 x 32	31	0.14
	GB050010	50 x 10		0.28
	GB050015	50 x 15	48	0.32

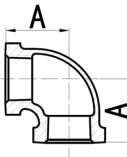
Galvanised Malleable Hexagon Bush (continued)				
	Code	Size (mm)	A	Approx Weight
	GB050020	50 x 20	48	0.32
	GB050025	50 x 25	35	0.39
	GB050032	50 x 32	35	0.34
	GB050040	50 x 40	35	0.28
	GB065025	65 x 25	54	0.66
	GB065032	65 x 32	54	0.57
	GB065040	65 x 40	40	0.58
	GB065050	65 x 50	40	0.50
	GB080025	80 x 25	59	0.98
	GB080032	80 x 32	59	0.95
	GB080040	80 x 40	59	0.87
	GB080050	80 x 50	44	0.91
	GB080065	80 x 65	44	0.63
	GB100050	100 x 50	69	1.50
	GB100065	100 x 65	69	1.62
	GB100080	100 x 80	51	1.28
	GB125100	125 x 100	47	2.02
	GB150080	150 x 80	86	4.20
	GB150100	150 x 100	86	4.29
	GB150125	150 x 125	69	2.94

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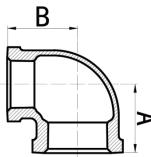
FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

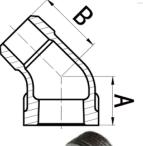
Galvanised Malleable Female-Female Elbow 90°

	Code	Size (mm)	A	Approx Weight
	GE006	6	19	0.03
	GE008	8	21	0.05
	GE010	10	25	0.07
	GE015	15	28	0.08
	GE020	20	33	0.13
	GE025	25	38	0.20
	GE032	32	45	0.31
	GE040	40	50	0.45
	GE050	50	58	0.68
	GE065	65	69	1.01
	GE080	80	78	1.46
	GE100	100	96	2.59
	GE150	15	131	6.72

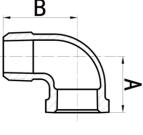
Galvanised Malleable Female-Female Reducing Elbow 90°

	Code	Size (mm)	A	B	Approx Weight
	GER015008	15 x 8	24	24	0.07
	GER015010	15 x 10	26	26	0.12
	GER020010	20 x 10	28	28	0.12
	GER020015	20 x 15	30	31	0.10
	GER025010	25 x 10	30	32	0.16
	GER025015	25 x 15	32	34	0.13
	GER025020	25 x 20	35	36	0.16
	GER032015	32 x 15	32	37	0.18
	GER032020	32 x 20	36	41	0.22
	GER032025	32 x 25	40	42	0.25
	GER040015	40 x 15	34	41	0.25
	GER040020	40 x 20	37	42	0.30
	GER040025	40 x 25	42	46	0.30
	GER040032	40 x 32	46	48	0.37
	GER050015	50 x 15	35	47	0.33
	GER050020	50 x 20	40	48	0.41
	GER050025	50 x 25	43	50	0.42
	GER050032	50 x 32	47	53	0.53
	GER050040	50 x 40	52	56	0.55

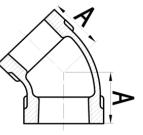
Galvanised Malleable Male-Female Elbow 45°

	Code	Size (mm)	A	B	Approx Weight
	GEMF45015	15	22	28	0.08
	GEMF45020	20	25	32	0.13
	GEMF45025	25	28	37	0.20
	GEMF45032	32	33	43	0.32
	GEMF45040	40	36	46	0.41
	GEMF45050	50	43	55	0.68
	GEMF45065	65	49.5	65	0.81

Galvanised Malleable Male-Female Elbow 90°

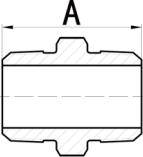
	Code	Size (mm)	A	B	Approx Weight
	GEMF006	6	19	25	0.02
	GEMF008	8	21	28	0.04
	GEMF010	10	25	32	0.07
	GEMF015	15	28	37	0.07
	GEMF020	20	33	43	0.12
	GEMF025	25	38	52	0.19
	GEMF032	32	45	60	0.31
	GEMF040	40	50	65	0.40
	GEMF050	50	58	74	0.65
	GEMF065	65	69	88	0.98
	GEMF080	80	78	98	1.42
	GEMF100	100	96	118	2.47

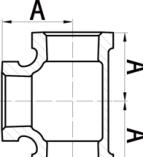
Galvanised Malleable Female-Female Elbow 45°

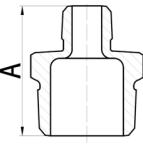
	Code	Size (mm)	A	Approx Weight
	GE45010	10	20	0.07
	GE45015	15	22	0.07
	GE45020	20	25	0.12
	GE45025	25	28	0.17
	GE45032	32	33	0.27
	GE45040	40	50	0.35
	GE45050	50	58	0.61
	GE45065	65	69	0.87
	GE45080	80	78	1.25
	GE45100	100	96	2.38

FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

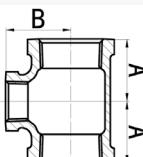
Galvanised Malleable Hexagon Nipple				
	Code	Size (mm)	A	Approx Weight
	GN006	6	29	0.02
	GN008	8	36	0.03
	GN010	10	38	0.04
	GN015	15	44	0.05
	GN020	20	47	0.09
	GN025	25	53	0.11
	GN032	32	57	0.18
	GN040	40	59	0.22
	GN050	50	68	0.39
	GN065	65	75	0.58
	GN080	80	83	0.84
	GN100	100	95	1.18
	GN150	150	110	3.13

	Galvanised Malleable Equal Tee			
	Code	Size (mm)	A	Approx Weight
	GT006	6	19	0.04
	GT008	8	21	0.07
	GT010	10	25	0.10
	GT015	15	28	0.11
	GT020	20	33	0.18
	GT025	25	38	0.27
	GT032	32	45	0.44
	GT040	40	50	0.56
	GT050	50	58	0.89
	GT065	65	69	1.38
	GT080	80	78	1.98
	GT100	100	96	3.39
	GT150	150	131	8.92

Galvanised Malleable Hexagon Reducing Nipple				
	Code	Size (mm)	A	Approx Weight
	GNR015008	15 x 8	44	0.06
	GNR015010	15 x 10	44	0.09
	GNR020010	20 x 10	47	0.09
	GNR020015	20 x 15	47	0.09
	GNR025015	25 x 15	53	0.12
	GNR025020	25 x 20	53	0.13
	GNR032015	32 x 15	57	0.21
	GNR032020	32 x 20	57	0.21
	GNR032025	32 x 25	57	0.21
	GNR040015	40 x 15	59	0.25
	GNR040020	40 x 20	59	0.24
	GNR040025	40 x 25	59	0.25
	GNR040032	40 x 32	59	0.25
	GNR050015	50 x 15	68	0.44
	GNR050020	50 x 20	68	0.44
	GNR050025	50 x 25	68	0.44
	GNR050032	50 x 32	68	0.43
	GNR050040	50 x 40	68	0.43
	GNR065050	65 x 50	75	0.68
	GNR080050	80 x 50	83	0.99
	GNR080065	80 x 65	83	0.98
	GNR100080	100 x 80	87	1.42

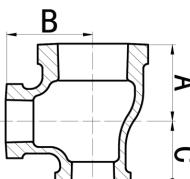
FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

Galvanised Malleable Reducing Tee					
	Code	Size (mm)	A	B	Approx Weight
	GTR015008	15 x 8	24	24	0.11
	GTR015010	15 x 10	26	26	0.13
	GTR020010	20 x 10	28	28	0.18
	GTR020015	20 x 15	30	31	0.16
	GTR025010	25 x 10	30	32	0.27
	GTR025015	25 x 15	32	34	0.21
	GTR025020	25 x 20	35	36	0.24
	GTR032010	32 x 10	32	36	0.36
	GTR032015	32 x 15	34	38	0.29
	GTR032020	32 x 20	36	41	0.34
	GTR032025	32 x 25	40	42	0.37
	GTR040010	40 x 10	34	39	0.47
	GTR040015	40 x 15	36	42	0.37
	GTR040020	40 x 20	38	44	0.40
	GTR040025	40 x 25	42	46	0.45
	GTR040032	40 x 32	46	48	0.51
	GTR050010	50 x 10	36	46	0.67
	GTR050015	50 x 15	38	48	0.56
	GTR050020	50 x 20	40	50	0.59
	GTR050025	50 x 25	44	52	0.65
	GTR050032	50 x 32	48	54	0.72
	GTR050040	50 x 40	52	55	0.78
	GTR065040	65 x 40	55	63	1.02
	GTR065050	65 x 50	61	66	1.17
	GTR080040	80 x 40	58	71	1.40
	GTR080050	80 x 50	64	73	1.56
	GTR100020	100 x 20	53	79	1.90
	GTR100050	100 x 50	70	86	2.34
	GTR100065	100 x 65	84	92	2.69
	GTR100080	100 x 80	82	90	2.87
	GTR150080	150 x 80	92.5	120.5	8.77
	GTR150100	150 x 100	105	125.5	9.66

FITTINGS

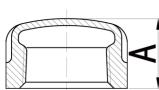
GALVANISED MALLEABLE IRON PIPE FITTINGS

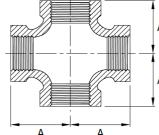
Galvanised Malleable Reducing Street Tee						
	Code	Size (mm)	A	B	C	Approx Weight
			Mainway x Mainway x Branch			
	GTR201515	20 x 15 x 15	30	31	28	0.18
	GTR251525	25 x 15 x 25	38	38	34	0.31
	GTR252015	25 x 20 x 15	35	36	31	0.26
	GTR252020	25 x 20 x 20	35	36	33	0.28
	GTR252532	25 x 25 x 32	42	40	42	0.45
	GTR252540	25 x 25 x 40	46	42	46	0.51
	GTR252550	25 x 25 x 50	51	48.5	51	0.66
	GTR322515	32 x 25 x 15	34	38	32	0.34
	GTR322520	32 x 25 x 20	36	41	35	0.39
	GTR322525	32 x 25 x 25	40	42	38	0.45
	GTR322532	32 x 25 x 32	45	45	42	0.50
	GTR323240	32 x 32 x 40	48	46	48	0.62
	GTR323250	32 x 32 x 50	54	48	54	0.77
	GTR402525	40 x 25 x 25	42	46	38	0.51
	GTR402532	40 x 25 x 32	45	47	41.5	0.56
	GTR402540	40 x 25 x 40	40	40	46	0.79
	GTR403215	40 x 32 x 15	36	42	34	0.44
	GTR403225	40 x 32 x 25	42	46	40	0.55
	GTR403232	40 x 32 x 32	46	48	45	0.60
	GTR403240	40 x 32 x 40	50	50	48	0.66
	GTR404050	40 x 40 x 50	55	52	55	0.90
	GTR502550	50 x 25 x 50	58	58	52	0.94
	GTR503225	50 x 32 x 25	40	51	44	0.66
	GTR503250	50 x 32 x 50	58	58	54	1.15
	GTR504025	50 x 40 x 25	44	52	42	0.72
	GTR504032	50 x 40 x 32	48	54	46	0.80
	GTR504050	50 x 40 x 50	58	58	55	1.02

THE SMARTER CHOICE.

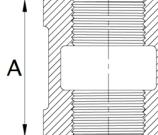
FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

Galvanised Malleable Cap				
	Code	Size (mm)	A	Approx Weight
	GC008	8	15	0.02
	GC010	10	17	0.03
	GC015	15	19	0.04
	GC020	20	22	0.06
	GC025	25	24	0.09
	GC032	32	27	0.14
	GC040	40	27	0.17
	GC050	50	32	0.29
	GC065	65	35	0.44
	GC080	80	38	0.66
	GC100	100	45	1.11
	GC150	150	61	4.19

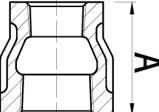
Galvanised Malleable Cross				
	Code	Size (mm)	A	Approx Weight
	GX010	10	25	0.12
	GX015	15	28	0.13
	GX020	20	33	0.21
	GX025	25	38	0.36
	GX032	32	45	0.55
	GX040	40	50	0.66
	GX050	50	58	1.06
	GX065	65	69	1.71
	GX080	80	78	2.33

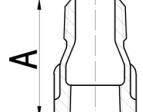
Galvanised Malleable Square Head Plug				
	Code	Size (mm)	A	Approx Weight
	GP006	6	11	0.01
	GP008	8	14	0.01
	GP010	10	15	0.02
	GP015	15	18	0.03
	GP020	20	20	0.05
	GP025	25	23	0.06
	GP032	32	29	0.13
	GP040	40	30	0.15
	GP050	50	36	0.24
	GP065	65	39	0.40
	GP080	80	44	0.63
	GP100	100	58	1.04
	GP150	150	71.5	2.33

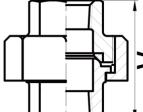
Galvanised Malleable Socket				
	Code	Size (mm)	A	Approx Weight
	GS008	8	27	0.04
	GS010	10	30	0.06
	GS015	15	36	0.06
	GS020	20	39	0.10
	GS025	25	45	0.15
	GS032	32	50	0.23
	GS040	40	55	0.30
	GS050	50	65	0.49
	GS065	65	74	0.72
	GS080	80	80	1.04
	GS100	100	94	1.71

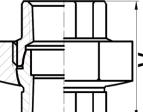
FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

Galvanised Malleable Reducing Socket				
	Code	Size (mm)	A	Approx Weight
	GSR008006	8 x 6	27	0.03
	GSR010008	10 x 8	30	0.05
	GSR015008	15 x 8	36	0.06
	GSR015010	15 x 10	36	0.07
	GSR020008	20 x 8	39	0.09
	GSR020010	20 x 10	39	0.10
	GSR020015	20 x 15	39	0.09
	GSR025008	25 x 8	45	0.13
	GSR025010	25 x 10	45	0.14
	GSR025015	25 x 15	45	0.12
	GSR025020	25 x 20	45	0.13
	GSR032015	32 x 15	50	0.19
	GSR032020	32 x 20	50	0.19
	GSR032025	32 x 25	50	0.20
	GSR040015	40 x 15	55	0.21
	GSR040020	40 x 20	55	0.23
	GSR040025	40 x 25	55	0.25
	GSR040032	40 x 32	55	0.28
	GSR050015	50 x 15	65	0.36
	GSR050020	50 x 20	65	0.36
	GSR050025	50 x 25	65	0.38
	GSR050032	50 x 32	65	0.40
	GSR050040	50 x 40	74	0.43
	GSR065025	65 x 25	74	0.51
	GSR065032	65 x 32	74	0.55
	GSR065040	65 x 40	74	0.57
	GSR065050	65 x 50	74	0.64
	GSR080025	80 x 25	80	0.82
	GSR080032	80 x 32	80	0.75
	GSR080040	80 x 40	80	0.80
	GSR080050	80 x 50	80	0.84
	GSR080065	80 x 65	80	0.91
	GSR100050	100 x 50	94	1.32
	GSR100065	100 x 65	94	1.34
	GSR100080	100 x 80	94	1.48
	GSR150100	150 x 100	105	4.56

Galvanised Malleable Male Female Socket				
	Code	Size (mm)	A	Approx Weight
	GSMF015	15	40	0.07
				

Galvanised Malleable Steel to Brass Female-Female Union				
	Code	Size (mm)	A	Approx Weight
	GUB008	8	36.5	0.10
	GUB010	10	41	0.14
	GUB015	15	43.5	0.17
	GUB020	20	49.5	0.26
	GUB025	25	52.5	0.37
	GUB032	32	57.5	0.52
	GUB040	40	61	0.75
	GUB050	50	70	0.94
	GUB065	65	82	1.64
	GUB080	80	89	2.07
	GUB100	100	98	3.64

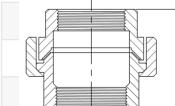
Galvanised Malleable Female-Female Mac Union				
	Code	Size (mm)	A	Approx Weight
	GUM015	15	46	0.24
	GUM020	20	49	0.29
	GUM025	25	55	0.41
	GUM032	32	64	0.67
	GUM040	40	74.5	1.04
	GUM050	50	83	1.52

THE SMARTER CHOICE.

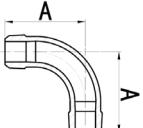
FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

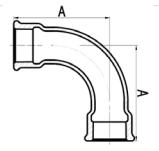
Galvanised Malleable Steel to Steel Female-Female Union

	Code	Size (mm)	A	Approx Weight
	GUT020	20	50	0.20
	GUT025	25	55	0.30
	GUT050	50	75	1.20

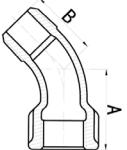
Galvanised Malleable Male-Male 90°

	Code	Size (mm)	A	Approx Weight
	GBEM015	15	48	0.08
	GBEM020	20	60	0.19
	GBEM025	25	75	0.30
	GBEM032	32	95	0.59
	GBEM040	40	105	0.60
	GBEM050	50	130	1.06
	GBEM065	65	165	2.25
	GBEM080	80	190	3.28
	GBEM100	100	245	5.91

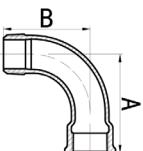
Galvanised Malleable Female-Female Bend 90°

	Code	Size (mm)	A	Approx Weight
	GBE010	10	48	0.08
	GBE015	15	55	0.12
	GBE020	20	69	0.22
	GBE025	25	85	0.33
	GBE032	32	105	0.59
	GBE040	40	116	0.75
	GBE050	50	140	1.30
	GBE065	65	176	2.14
	GBE080	80	205	3.28
	GBE100	100	260	5.91

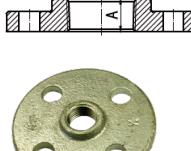
Galvanised Malleable Male-Female 45°

	Code	Size (mm)	A	B	Approx Weight
	GBEMF45015	15	36	30	0.08
	GBEMF45020	20	43	36	0.14
	GBEMF45025	25	51	42	0.21
	GBEMF45032	32	64	54	0.38
	GBEMF45040	40	68	58	0.47
	GBEMF45050	50	81	70	0.78
	GBEMF45065	65	99	86	1.24

Galvanised Malleable Male-Female 90°

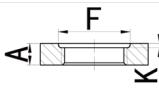
	Code	Size (mm)	A	B	Approx Weight
	GBEMF008	8	40	36	0.04
	GBEMF010	10	48	42	0.07
	GBEMF015	15	55	48	0.10
	GBEMF020	20	69	60	0.19
	GBEMF025	25	85	75	0.30
	GBEMF032	32	105	95	0.54
	GBEMF040	40	116	105	0.69
	GBEMF050	50	140	130	1.20
	GBEMF065	65	176	165	1.89
	GBEMF080	80	205	290	2.97
	GBEMF100	100	260	245	5.55

Galvanised Malleable Flange BS10 Drilled Table D

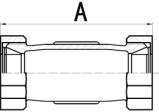
	Code	Size (mm)	A	Approx Weight
	GFT015	15	15	0.17
	GFT020	20	16	0.23
	GFT025	25	19	0.33
	GFT032	32	21	0.47
	GFT040	40	21	0.63
	GFT050	50	26	0.84
	GFT065	65	30	1.16
	GFT080	80	33	1.87
	GFT100	100	39	2.25
	GFT150	150	40	4.74

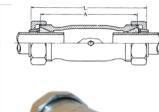
FITTINGS

GALVANISED MALLEABLE IRON PIPE FITTINGS

Galvanised Malleable Backnut						
	Code	Size (mm)	A	F	K	Approx Weight
	GBNUT015	15	7.9	24.6	1.5	0.03
	GBNUT020	20	8.6	31.2	1.5	0.04
	GBNUT025	25	9.7	38.1	1.5	0.06
	GBNUT032	32	10.7	47.2	1.5	0.09
	GBNUT040	40	11.9	53.9	1.5	0.12
	GBNUT050	50	13.5	66.8	2.3	0.20
	GBNUT065	65	16			0.28
	GBNUT080	80	20.8			0.56
	GBNUT100	100	20.3	127	3.3	1.08

Galvanised Malleable Riken (HI-LA) Male - Female Compression Adaptor with Locking Ring						
	Code	Size (mm)	A	L	Approx Weight	
	GCRA015	15	50	62	0.19	
	GCRA020	20	53	65	0.27	
	GCRA025	25	58.5	70.5	0.38	
	GCRA032	32	62	75	0.48	
	GCRA040	40	64.5	77.5	0.59	
	GCRA050	50	72	88	0.93	

Galvanised Malleable Female-Female Long Compression Coupling				
	Code	Size (mm)	A	Approx Weight
	GCC015	15	93	0.38
	GCC020	20	101	0.47
	GCC025	25	109	0.74
	GCC032	32	114	0.86
	GCC040	40	118	1.04
	GCC050	50	121	1.37

Galvanised Malleable Riken (HI-LA) Compresion Coupling with Locking Rings						
	Code	Size (mm)	A	L	Approx Weight	
	GCRC015	15	87.5	112.5	0.38	
	GCRC020	20	94	119	0.56	
	GCRC025	25	100	125	0.69	
	GCRC032	32	106	132	0.95	
	GCRC040	40	112.5	139.5	1.25	
	GCRC050	50	119	151	1.74	

THE SMARTER CHOICE.

FITTINGS

HIGH PRESSURE FITTINGS

SIZE

NPS 1/8" ~ 4"(6mm ~ 100mm)

RATING

Threaded end – 3000lbs. Socket Weld End – 3000lbs. Butt Weld end – Schedule 80.

SPECIFICATIONS

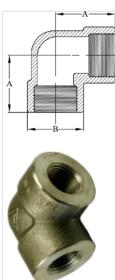
A: DIN.SPEC: ASME B16.11-2001 (REVISION OF ASME 16.11 -1996 MSS – SP – 79,83,95, 97 AND BOTHWELL SPEC JSB0203, B2316
B: MATERIAL SPEC: ASTM A105

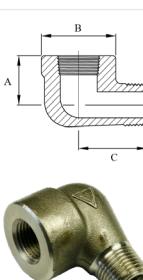
MARKING

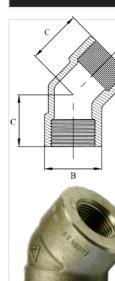
1. Carbon and alloy steel: marked by stamping.
2. 3/8" under: brand only.
3. 1/2" TO 4": marked brand, material, heat no. B16 (belong to ANSI B16. 11 product), pressure and size.

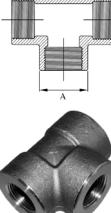
FINISHING

BLACK, GALVANIZED (ON REQUEST), YELLOW DICHROMATE (ON REQUEST)

3000lb Threaded Female - Female Elbow 90 ASME B16.11						
	Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
	NP3E008		8	25	25	0.14
	NP3E010		10	28	33	0.29
	NP3E015	BP3E015	15	33	38	0.42
	NP3E020	BP3E020	20	38	46	0.69
	NP3E025	BP3E025	25	44	56	1.11
	NP3E032	BP3E032	32	51	62	1.34
	NP3E040	BP3E040	40	60	75	2.63
	NP3E050	BP3E050	50	64	84	3.14
	NP3E065		65	83	102	5.51
	NP3E080		80	95	121	8.42

3000lb Threaded Male - Female Elbow 90 ASME B16.11						
	Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
	NP3EMF008		8	22	25	0.11
	NP3EMF010		10	25	32	0.22
	NP3EMF015		15	28	38	0.31
	NP3EMF020		20	35	44	0.55
	NP3EMF025		25	44	51	1.17
	NP3EMF032		32	51	62	1.27
	NP3EMF040		40	54	70	2.06
	NP3EMF050		50	64	84	2.75

3000lb Threaded Female - Female Elbow 45o ASME B16.11						
	Code NPT Thread	Code BSP Thread	Size (mm)	B	C	Approx Weight
	NP3E45008		8	25	19	0.12
	NP3E45010		10	33	22	0.24
	NP3E45015	BP3E45015	15	38	25	0.37
	NP3E45020	BP3E45020	20	46	28	0.56
	NP3E45025	BP3E45025	25	56	33	0.94
	NP3E45032	BP3E45032	32	62	35	1.03
	NP3E45040	BP3E45040	40	75	43	2.05
	NP3E45050	BP3E45050	50	84	44	2.23

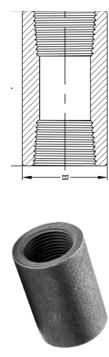
High Pressure ASME B16.11 Threaded Equal Tee						
	Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
	NP3T008		8	25	50	0.19
	NP3T010		10	33	56	0.38
	NP3T015	BP3T015	15	38	66	0.55
	NP3T020	BP3T020	20	46	76	0.85
	NP3T025	BP3T025	25	56	88	1.49
	NP3T032	BP3T032	32	62	102	1.76
	NP3T040	BP3T040	40	75	120	3.27
	NP3T050	BP3T050	50	84	128	3.53

FITTINGS

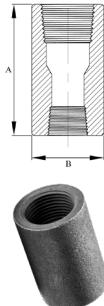
HIGH PRESSURE FITTINGS

3000lb Threaded Coupling ASME B16.11

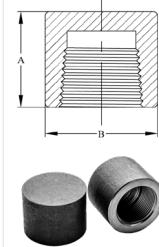
	Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
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3000lb Threaded Reducing Coupling ASME B16.11

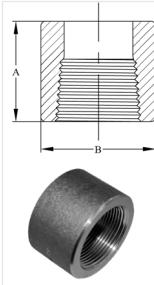
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3000lb Threaded Cap ASME B16.11

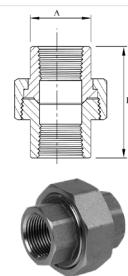
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3000lb Threaded Half Coupling ASME B16.11

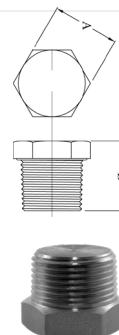
	Code NPT Thread	Size (mm)	A	B	Approx Weight
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3000lb Threaded Union ASME B16.11

	Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
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3000lb Hexagon Plug ASME B16.11

	Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
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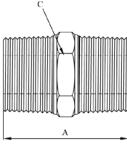
NP3P006			6	11.1	16	0.01
NP3P008			8	15.9	17	0.03
NP3P010			10	17.5	21	0.04
NP3P015	BP3P015		15	22.2	22	0.07
NP3P020	BP3P020		20	27	26	0.13
NP3P025	BP3P025		25	34.9	29	0.22
NP3P032	BP3P032		32	44.5	35	0.47
NP3P040	BP3P040		40	50.8	37	0.59
NP3P050	BP3P050		50	63.5	40	1.03
NP3P065			65	76.2	46	1.62

THE SMARTER CHOICE.

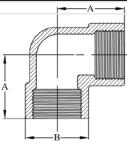
FITTINGS

HIGH PRESSURE FITTINGS

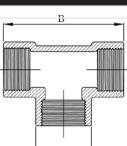
3000lb Hexagon Nipple ASME B16.11

	Code NPT Thread	Code BSP Thread	Size (mm)	A	C	Approx Weight
	NP3N008		8	36	15	0.03
	NP3N010		10	40	18	0.04
	NP3N015	BP3N015	15	48	22	0.07
	NP3N020	BP3N020	20	52	27	0.10
	NP3N025	BP3N025	25	60	35	0.19
	NP3N032	BP3N032	32	60	46	0.37
	NP3N040	BP3N040	40	68	50	0.38
	NP3N050	BP3N050	50	71	62	0.54

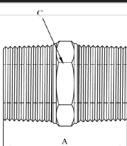
6000lb Threaded Female - Female Elbow 90 ASME B16.11

	Code	Size (mm)	A	B	Approx Weight
	NP6E015	15	38	46	0.80
	NP6E020	20	44	56	1.31
	NP6E025	25	51	62	1.61
	NP6E040	40	64	84	3.79

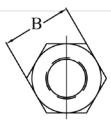
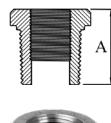
6000lb Threaded Equal Tee ASME B16.11

	Code	Size (mm)	A	B	Approx Weight
	NP6T015	15	46	76	0.98
	NP6T020	20	56	88	1.65
	NP6T025	25	62	102	2.17
	NP6T040	40	84	128	4.71

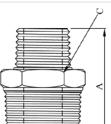
6000lb Hexagon Nipple ASME B16.11

	Code	Size (mm)	A	C	Approx Weight
	NP6N015	15	48	22	0.09
	NP6N020	20	52	27	0.16
	NP6N025	25	60	35	0.30
	NP6N032	32	60	46	0.53
	NP6N040	40	68	50	0.59
	NP6N050	50	71	62	0.96

3000lb Hexagon Head Bush ASME B16.11

	Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
	NP3B010008		10 x 8	17	17.5	0.02
	NP3B015008		15 x 8	19	22.2	0.05
	NP3B015010	BP3B015010	15 x 10	19	22.2	0.03
	NP3B020008		20 x 8	22	27	0.10
	NP3B020015	BP3B020015	20 x 15	22	27	0.06
	NP3B025008		25 x 8	25	34.9	0.19
	NP3B025015	BP3B025015	25 x 15	25	34.9	0.15
	NP3B025020	BP3B025020	25 x 20	25	34.9	0.11
	NP3B032015	BP3B032015	32 x 15	28	44.5	0.32
	NP3B032020	BP3B032020	32 x 20	28	44.5	0.25
	NP3B032025	BP3B032025	32 x 25	28	44.5	0.20
	NP3B040015		40 x 15	29	50.8	0.44
	NP3B040020		40 x 20	29	50.8	0.40
	NP3B040025	BP3B040025	40 x 25	29	50.8	0.31
	NP3B040032	BP3B040032	40 x 32	31	50.8	0.18
	NP3B050015		50 x 15	31	63.5	0.83
	NP3B050020		50 x 20	31	63.5	0.76
	NP3B050025		50 x 25	31	63.5	0.69
	NP3B050032		50 x 32	31	63.5	0.55
	NP3B050040	BP3B050040	50 x 40	31	63.5	0.41
	NP3B080050		80 x 50	38	88.9	1.43

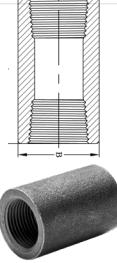
3000lb Reducing Hexagon Nipple ASME B16.11

	Code NPT Thread	Size (mm)	A	C	Approx Weight
	NP3NR015008	15 x 8	43	22	0.08
	NP3NR015010	15 x 10	44	22	0.07
	NP3NR020015	20 x 15	50	27	0.12
	NP3NR025015	25 x 15	55	35	0.23
	NP3NR025020	25 x 20	56	35	0.20
	NP3NR032015	32 x 15	55	46	0.45
	NP3NR032020	32 x 20	55	46	0.39
	NP3NR032025	32 x 25	60	46	0.38
	NP3NR040015	40 x 15	62	50	0.60
	NP3NR040020	40 x 20	63	50	0.55
	NP3NR040025	40 x 25	67	50	0.52
	NP3NR040032	40 x 32	68	50	0.62
	NP3NR050040	50 x 40	70	62	0.80

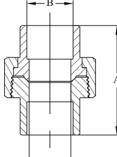
FITTINGS

HIGH PRESSURE FITTINGS

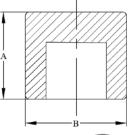
6000lb Threaded Coupling ASME B16.11

	Code	Size (mm)	A	B	Approx Weight
	NP6CF008	8	35	25	0.10
	NP6CF015	15	48	38	0.32
	NP6CF020	20	51	44	0.49
	NP6CF025	25	60	57	0.87
	NP6CF032	32	67	64	1.09
	NP6CF040	40	79	76	1.94
	NP6CF050	50	86	92	2.87

3000lb Socket Weld Union ASME B16.11

	Code	Size (mm)	A	B	C	Approx Weight
	SW3U010	10	46.0	18.03	13.28	0.25
	SW3U015	15	49.0	22.23	16.56	0.35
	SW3U020	20	56.9	27.56	21.69	0.49
	SW3U025	25	62.0	34.29	27.41	0.76
	SW3U032	32	71.1	43.05	35.81	1.10
	SW3U040	40	76.5	49.15	41.66	1.45
	SW3U050	50	86.1	61.62	53.26	2.38

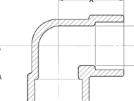
3000lb Socket Weld Cap ASME B16.11

	Code	Size (mm)	A	B	Approx Weight
	SW3C015	15	15.9	31.14	0.11
	SW3C020	20	18.9	37.00	0.16
	SW3C025	25	22.1	45.28	0.25
	SW3C032	32	22.1	54.84	0.45
	SW3C040	40	23.7	61.50	0.59
	SW3C050	50	28.7	75.06	0.96

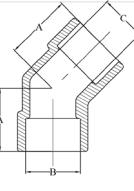
3000lb Socket Weld Branch Outlet ASME B31.1 & MSS-SP97

	Code	Size (mm)	A	B	Approx Weight
	TOLN008	8	19.0	22.0	0.06
		10	20.6	25.9	0.10
	TOLN015	15	25.4	31.4	0.13
	TOLN020	20	26.9	37.1	0.22
	TOLN025	25	33.3	45.5	0.37
	TOLN032	32	33.3	57.0	0.42
	TOLN040	40	35.0	64.0	0.64
	TOLN050	50	38.1	76.0	0.89

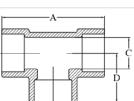
3000lb Socket Weld Elbow 90 ASME B16.11

	Code	Size (mm)	A	B	C	Approx Weight
	SW3E008	8	20.5	14.2	9.3	0.08
	SW3E010	10	23.0	17.6	12.6	0.11
	SW3E015	15	25.0	21.8	15.8	0.23
	SW3E020	20	31.5	27.2	21.0	0.31
	SW3E025	25	35.0	33.9	26.7	0.50
	SW3E032	32	39.5	42.7	35.1	0.84
	SW3E040	40	44.5	48.8	40.9	1.00
	SW3E050	50	54.0	61.2	52.5	1.63
	SW3E065	65	57.0	73.9	62.7	3.36
	SW3E080	80	73.0	89.8	78.0	5.00

3000lb Socket Weld Elbow 45 ASME B16.11

	Code	Size (mm)	A	B	C	Approx Weight
	SW3E45008	8	17.5	14.2	9.3	0.08
	SW3E45010	10	17.5	17.6	12.6	0.09
	SW3E45015	15	20.5	21.8	15.8	0.20
	SW3E45020	20	25.5	27.2	21	0.26
	SW3E45025	25	26.5	33.9	26.7	0.43
	SW3E45032	32	30	42.7	35.1	0.69
	SW3E45040	40	33	48.8	40.9	0.79
	SW3E45050	50	41.5	61.2	52.5	1.35
	SW3E45065	65	44.5	73.9	62.7	2.53

3000lb Socket Weld Tee ASME B16.11

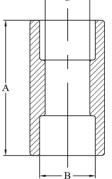
	Code	Size (mm)	A	B	C	D	Approx Weight
	SW3T008	8	41	14.2	9.3	20.5	0.11
	SW3T010	10	46	17.6	12.6	23.0	0.15
	SW3T015	15	50	21.8	15.8	25.0	0.32
	SW3T020	20	63	27.2	21.0	31.5	0.41
	SW3T025	25	70	33.9	26.7	35.0	0.64
	SW3T032	32	79	42.7	35.1	39.5	1.04
	SW3T040	40	89	48.8	40.9	44.5	1.22
	SW3T050	50	108	61.2	52.5	54.0	2.04

THE SMARTER CHOICE.

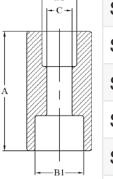
FITTINGS

HIGH PRESSURE FITTINGS

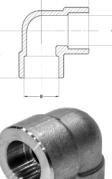
High Pressure ASME B16.11 Socket Weld Coupling

	Code	Size (mm)	A	B	C	Approx Weight
	SW3CF008	8	25.5	14.2	9.3	0.05
	SW3CF010	10	25.5	17.6	12.6	0.07
	SW3CF015	15	28.5	21.8	15.8	0.13
	SW3CF020	20	34.5	27.2	21.0	0.19
	SW3CF025	25	37.5	33.9	26.7	0.30
	SW3CF032	32	37.5	42.7	35.1	0.41
	SW3CF040	40	37.5	48.8	40.9	0.48
	SW3CF050	50	51.0	61.2	52.5	0.86
	SW3CF065	65	51.0	73.9	62.7	1.40
	SW3CF080	80	51.0	89.8	78.0	1.98

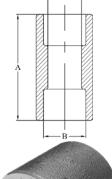
3000lb Socket Weld Reducing Coupling ASME B16.11

	Code	Size (mm)	A	B1	B2	C	Approx Weight
	SW3CR015010	15 x 10	28.5	21.8	17.6	12.6	0.23
	SW3CR020015	20 x 15	34.5	27.2	21.8	15.8	0.21
	SW3CR025015	25 x 15	37.5	33.9	21.8	15.8	0.39
	SW3CR025020	25 x 20	37.5	33.9	27.2	21.0	0.35
	SW3CR032015	32 x 15	37.5	42.7	21.8	15.8	0.67
	SW3CR032020	32 x 20	37.5	42.7	27.2	21.0	0.64
	SW3CR032025	32 x 25	37.5	42.7	33.9	26.7	0.57
	SW3CR040015	40 x 15	37.5	48.8	21.8	15.8	0.85
	SW3CR040020	40 x 20	37.5	48.8	27.2	21.0	0.81
	SW3CR040025	40 x 25	37.5	48.8	33.9	26.7	0.77
	SW3CR040032	40 x 32	37.5	48.8	42.7	35.1	0.63
	SW3CR050015	50 x 15	51.0	61.2	21.8	15.8	1.66
	SW3CR050020	50 x 20	51.0	61.2	27.2	21.0	1.72
	SW3CR050025	50 x 25	51.0	61.2	33.9	26.7	1.54
	SW3CR050032	50 x 32	51.0	61.2	42.7	35.1	1.35
	SW3CR050040	50 x 40	51.0	61.2	48.8	40.9	1.26

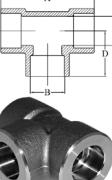
6000lb Socket Weld Elbow 90 ASME B16.11

	Code	Size (mm)	A	B	C	Approx Weight
	SW6E015	15	28.5	21.8	11.8	0.44
	SW6E020	20	35	27.2	15.6	0.73
	SW6E025	25	39.5	33.9	20.7	1.21
	SW6E040	40	50.5	48.8	34	2.79

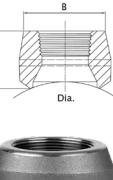
6000lb Socket Weld Coupling ASME B16.11

	Code	Size (mm)	A	B	C	Approx Weight
	SW6CF015	15	28.5	21.8	11.8	0.17
	SW6CF020	20	34.5	27.2	15.6	0.27
	SW6CF025	25	37.5	33.9	20.7	0.44
	SW6CF032	32	37.5	42.7	29.5	0.58
	SW6CF040	40	37.5	48.8	34.0	0.76
	SW6CF050	50	51.0	61.2	42.9	1.62

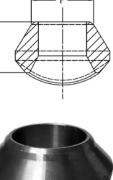
6000lb Socket Weld Tee ASME B16.11

	Code	Size (mm)	A	B	C	D	Approx Weight
	SW6T015	15	57	21.8	11.8	28.5	0.56
	SW6T020	20	70	27.2	15.6	35.0	0.94
	SW6T025	25	79	33.9	20.7	39.5	1.49
	SW6T040	40	101	48.8	34.0	50.5	3.37
	SW6T050	50	114	61.2	42.9	57.0	3.95

3000lb Threaded Branch Outlet ASME B31.1 & MSS-SP97

	Code NPT Thread	Code BSP Thread	Size (mm)	A	B	Approx Weight
	TOLN008	TOLB008	8	19.0	22.0	0.06
		TOLB010	10	20.6	25.9	0.10
	TOLN015	TOLB015	15	25.4	31.4	0.13
	TOLN020	TOLB020	20	26.9	37.1	0.22
	TOLN025	TOLB025	25	33.3	45.5	0.37
	TOLN032	TOLB032	32	33.3	57.0	0.42
	TOLN040	TOLB040	40	35.0	64.0	0.64
	TOLN050	TOLB050	50	38.1	76.0	0.89

3000lb Butt Weld Branch Outlet ASME B31.1 & MSS-SP97

	Code	Size (mm)	A	F	Approx Weight
	WOL015	15	19.1	21.3	0.09
	WOL020	20	22.4	26.7	0.17
	WOL025	25	26.9	33.4	0.28
	WOL032	32	31.8	42.2	0.42
	WOL040	40	33.3	48.3	0.64
	WOL050	50	38.1	60.3	0.87
	WOL065	65	41.1	73.0	1.21
	WOL080	80	44.4	88.9	1.98
	WOL100	100	50.8	114.3	3.13

FITTINGS

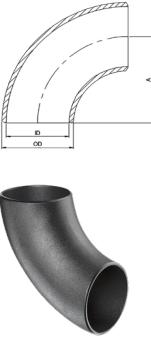
BUTT WELD FITTINGS

Asmuss stocks Butt Weld fittings made from high quality carbon alloy steel to ASTM A234 which can be used in various piping systems. The advantages of Butt Weld include:

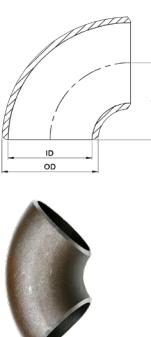
- Welding a fitting to the pipe means that it is permanently leak proof.
- The continuous metal structure formed between the pipe and fitting adds strength to the system.
- Smoother inner surface and gradual direction change reduce the pressure losses and turbulence and minimises the action of corrosion and abrasion.
- A welded system utilises minimal space.

We stock a range of Shell Approved Butt Weld fittings; please check requirements with our sales team.

Long Radius Elbow 90 Degree Lightweight JIS B 2311

	Code	NB (mm)	OD	ID	F	T	Approx Weight
	BWE90L025	25	34.0	27.6	38.1	3.2	0.15
	BWE90L032	32	42.7	35.7	47.6	3.5	0.25
	BWE90L040	40	48.6	41.6	57.2	3.5	0.35
	BWE90L050	50	60.5	52.9	76.2	3.8	0.63
	BWE90L065	65	76.3	67.9	95.3	4.2	1.12
	BWE90L080	80	89.1	80.7	114.3	4.2	1.58
	BWE90L100	100	114.3	105.3	152.4	4.5	2.91
	BWE90L125	125	139.8	130.8	190.5	4.5	4.49
	BWE90L150	150	165.2	155.2	228.6	5.0	7.09
	BWE90L200	200	216.3	204.7	304.8	5.8	14.40
	BWE90L250	250	267.4	254.2	381.0	6.6	25.40
	BWE90L300	300	318.5	304.7	457.2	6.9	38.10
	BWE90L350	350	355.6	339.8	533.4	7.9	56.70
	BWE90L400	400	406.4	390.6	609.9	7.9	63.00

Short Radius Elbow 90° Standard ASTM A234 WPB ANSI B16.9

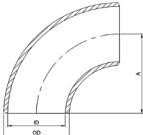
	Code	NB (mm)	OD	ID	A	T	Approx Weight
	BWES90020	20	26.7	21.0		2.9	0.11
	BWES90025	25	33.4	26.6	25	3.4	0.10
	BWES90032	32	42.2	35.1	32	3.6	0.17
	BWES90040	40	48.3	40.9	38	3.7	0.25
	BWES90050	50	60.3	52.5	51	3.9	0.45
	BWES90065	65	73.0	62.7	64	5.2	0.90
	BWES90080	80	88.9	77.9	76	5.5	1.37
	BWES90090	90	101.6	90.1	89	5.7	3.84
	BWES90100	100	114.3	102.3	102	6.0	2.60
	BWES90125	125	141.3	128.2	127	6.6	4.35
	BWES90150	150	168.3	154.1	152	7.1	6.70
	BWES90200	200	219.1	202.7	203	8.2	13.60
	BWES90250	250	273.0	254.5	254	9.3	24.00
	BWES90300	300	323.8	304.7	305	9.5	35.30
	BWES90400	400	406.4	387.3	406	9.5	59.50

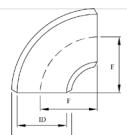


THE SMARTER CHOICE.

FITTINGS

BUTT WELD FITTINGS

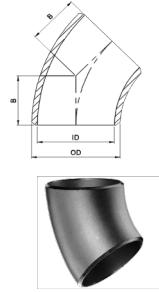
	Long Radius Elbow 90° Standard ASTM A234 WPB ANSI B16.9						
	Code	NB (mm)	OD	ID	A	T	Approx Weight
	BWE90015	15	21.3	15.8	38	2.8	0.08
	BWE90020	20	26.7	21.0	38	2.9	0.08
	BWE90025	25	33.4	26.6	38	3.4	0.15
	BWE90032	32	42.2	35.1	48	3.6	0.25
	BWE90040	40	48.3	40.9	57	3.7	0.36
	BWE90050	50	60.3	52.5	76	3.9	0.65
	BWE90065	65	73.0	62.7	95	5.2	1.29
	BWE90080	80	88.9	77.9	114	5.5	2.02
	BWE90090	90	101.6	90.1	133	5.7	2.84
	BWE90100	100	114.3	102.3	152	6.0	3.84
	BWE90125	125	141.3	128.2	190	6.6	6.51
	BWE90150	150	168.3	154.1	229	7.1	10.10
	BWE90200	200	219.1	202.7	305	8.2	20.30
	BWE90250	250	273.0	254.5	381	9.3	36.00
	BWE90300	300	323.8	304.7	457	9.5	53.00
	BWE90350	350	355.6	336.5	533	9.5	68.00
	BWE90400	400	406.4	387.3	610	9.5	89.20
	BWE90450	450	457.0	437.9	686	9.5	113.00
	BWE90500	500	508.0	488.9	762	9.5	140.00
	BWE90600	600	610.0	590.9	914	9.5	202.00

	Short Radius Elbow 90° Lightweight JIS B 2311						
	Code	NB (mm)	OD	ID	F	T	Approx Weight
	BWES90L065	65	76.3	67.9	63.5	4.2	0.75
	BWES90L080	80	89.1	80.7	76.2	4.2	1.05
	BWES90L100	100	114.3	105.3	101.6	4.5	1.94
	BWES90L125	125	139.8	130.8	127.0	4.5	2.71
	BWES90L150	150	165.2	155.2	152.4	5.0	5.40
	BWES90L200	200	216.3	204.7	203.2	5.8	9.61
	BWES90L250	250	267.4	254.2	254.0	6.6	16.90
	BWES90L300	300	318.5	304.7	304.8	6.9	25.40

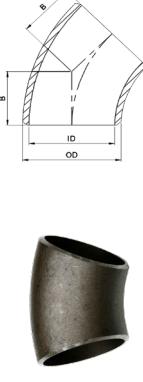
FITTINGS

BUTT WELD FITTINGS

Long Radius Elbow 45 Degree Lightweight JIS B 2311

	Code	NB (mm)	OD	ID	B	T	Approx Weight
	BWE45L050	50	60.5	52.9	31.6	3.8	0.55
	BWE45L065	65	76.3	67.9	39.5	4.2	0.55
	BWE45L080	80	89.1	80.7	47.3	4.2	0.90
	BWE45L100	100	114.3	105.3	63.1	4.5	1.59
	BWE45L125	125	139.8	130.8	78.9	4.5	2.86
	BWE45L150	150	165.2	155.2	94.7	5.0	4.14
	BWE45L200	200	216.3	204.7	126.3	5.8	2.60
	BWE45L250	250	267.4	254.2	157.8	6.6	4.70
	BWE45L300	300	318.5	304.7	189.4	6.9	6.80

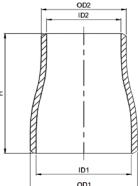
Long Radius Elbow 45° Standard ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	B	T	Approx Weight
	BWE45015	15	21.3	15.8	16	2.8	0.04
	BWE45020	20	26.7	21.0	19	2.9	0.04
	BWE45025	25	33.4	26.6	22	3.4	0.08
	BWE45032	32	42.2	35.1	25	3.6	0.13
	BWE45040	40	48.3	40.9	29	3.7	0.18
	BWE45050	50	60.3	52.5	35	3.9	0.33
	BWE45065	65	73.0	62.7	44	5.2	0.65
	BWE45080	80	88.9	77.9	51	5.5	1.01
	BWE45100	100	114.3	102.3	64	6.0	1.92
	BWE45125	125	141.3	128.2	79	6.6	3.26
	BWE45150	150	168.3	154.1	95	7.1	5.05
	BWE45200	200	219.1	202.7	127	8.2	10.20
	BWE45250	250	273.0	254.5	159	9.3	18.00
	BWE45300	300	323.8	304.7	190	9.5	26.50
	BWE45350	350	355.6	336.5	222	9.5	34.00
	BWE45400	400	406.4	387.3	254	9.5	44.60
	BWE45500	500	508.0	488.9	318	9.5	70.00
	BWE45600	600	610.0	590.9	381	9.5	100.90

THE SMARTER CHOICE.

FITTINGS

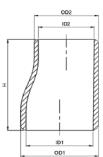
BUTT WELD FITTINGS

Concentric Reducer Lightweight JIS B 2311										
	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx KG/3
	BWRCL032025	32 x 25	42.7	35.7	34.0	27.6	50.8	3.5	3.2	0.16
	BWRCL040025	40 x 25	48.6	41.6	34.0	27.6	63.5	3.5	3.2	0.22
	BWRCL050025	50 x 25	60.5	52.9	34.0	27.6	76.2	3.8	3.2	0.32
	BWRCL050032	50 x 32	60.5	52.9	42.7	35.7	76.2	3.8	3.5	0.35
	BWRCL050040	50 x 40	60.5	52.9	48.6	41.6	76.2	3.8	3.5	0.37
	BWRCL065040	65 x 40	76.3	67.9	48.6	41.6	88.9	4.2	3.5	0.45
	BWRCL080050	80 x 50	89.1	80.7	60.5	52.9	88.9	4.2	3.8	0.66
	BWRCL080065	80 x 65	89.1	80.7	76.3	67.9	88.9	4.2	4.2	0.73
	BWRCL100040	100 x 40	114.3	105.3	48.6	41.6	101.6	4.5	3.5	0.80
	BWRCL100050	100 x 50	114.3	105.3	60.5	52.9	101.6	4.5	3.8	0.97
	BWRCL100065	100 x 65	114.3	105.3	76.3	67.9	101.6	4.5	4.2	1.04
	BWRCL100080	100 x 80	114.3	105.3	89.1	80.7	101.6	4.5	4.2	1.10
	BWRCL125065	125 x 65	139.8	130.8	76.3	67.9	127.0	4.5	4.2	1.50
	BWRCL125080	125 x 80	139.8	130.8	89.1	80.7	127.0	4.5	4.2	1.58
	BWRCL125080	125 x 80	139.8	130.8	89.1	80.7	127.0	4.5	4.2	1.58
	BWRCL125100	125 x 100	139.8	130.8	114.3	105.3	127.0	4.5	4.5	1.74
	BWRCL150065	150 x 65	165.2	155.2	76.3	67.9	139.7	5.0	4.2	2.09
	BWRCL150080	150 x 80	165.2	155.2	89.1	80.7	139.7	5.0	4.2	2.22
	BWRCL150100	150 x 100	165.2	155.2	114.3	105.3	139.7	5.0	4.5	2.36
	BWRCL150125	150 x 125	165.2	155.2	139.8	130.8	139.7	5.0	4.5	2.55
	BWRCL200080	200 x 80	216.3	204.7	89.1	80.7	152.4	5.8	4.2	0.00
	BWRCL200100	200 x 100	216.3	204.7	114.3	105.3	152.4	5.8	4.5	3.67
	BWRCL200125	200 x 125	216.3	204.7	139.8	130.8	152.4	5.8	4.5	3.87
	BWRCL200150	200 x 150	216.3	204.7	165.2	155.2	152.4	5.8	5.0	4.17
	BWRCL250150	250 x 150	267.4	254.2	165.2	155.2	177.8	6.6	5.0	6.32
	BWRCL250200	250 x 200	267.4	254.2	216.3	204.7	177.8	6.6	5.8	6.87
	BWRCL300150	300 x 150	318.5	304.7	165.2	155.2	203.2	6.9	5.0	7.24
	BWRCL300200	300 x 200	318.5	304.7	216.3	204.7	203.2	6.9	5.8	9.29
	BWRCL300250	300 x 250	318.5	304.7	267.4	254.2	203.2	6.9	6.6	9.97

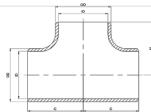
FITTINGS

BUTT WELD FITTINGS

Eccentric Reducer Lightweight JIS B2311

	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx KG/3
	BWREL080050	80 x 50	89.1	80.7	60.5	52.9	88.9	4.2	3.8	1.00
	BWREL080065	80 x 65	89.1	80.7	76.3	67.9	88.9	4.2	4.2	0.73
	BWREL100065	100 x 65	114.3	105.3	76.3	67.9	101.6	4.5	4.2	1.04
	BWREL100080	100 x 80	114.3	105.3	89.1	80.7	101.6	4.5	4.2	1.60
	BWREL125065	125 x 65	139.8	130.8	76.3	67.9	127.0	4.5	4.2	1.50
	BWREL125080	125 x 80	139.8	130.8	89.1	80.7	127.0	4.5	4.2	1.58
	BWREL125100	125 x 100	139.8	130.8	114.3	105.3	127.0	4.5	4.5	2.72
	BWREL150080	150 x 80	165.2	155.2	89.1	80.7	139.7	5.0	4.2	2.25
	BWREL150100	150 x 100	165.2	155.2	114.3	105.3	139.7	5.0	4.5	2.36
	BWREL150125	150 x 125	165.2	155.2	139.8	130.8	139.7	5.0	4.5	2.55
	BWREL200100	200 x 100	216.3	204.7	114.3	105.3	152.4	5.8	4.5	3.67
	BWREL200125	200 x 125	216.3	204.7	139.8	130.8	152.4	5.8	4.5	3.87
	BWREL200150	200 x 150	216.3	204.7	165.2	155.2	152.4	5.8	5.0	4.17
	BWREL250150	250 x 150	267.4	254.2	165.2	155.2	177.8	6.6	5.0	6.32
	BWREL250200	250 x 200	267.4	254.2	216.3	204.7	177.8	6.6	5.8	6.87
	BWREL300250	300 x 250	318.5	304.7	267.4	254.2	203.2	6.9	6.6	9.97

Equal Tee Lightweight JIS B 2311

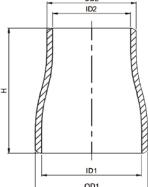
	Code	NB (mm)	OD	ID	C, M	T	Approx Weight
	BWTL050	50	60.5	52.9	63.5	3.8	0.76
	BWTL065	65	76.3	67.9	76.2	4.2	1.42
	BWTL080	80	89.1	80.7	85.7	4.2	1.87
	BWTL100	100	114.3	105.3	104.8	4.5	3.13
	BWTL125	125	139.8	130.8	123.8	4.5	7.50
	BWTL150	150	165.2	155.2	142.9	5.0	6.84
	BWTL200	200	216.3	204.7	177.8	5.8	12.80
	BWTL250	250	267.4	254.2	215.9	6.6	21.80
	BWTL300	300	318.5	304.7	254.0	6.9	32.00

Concentric Reducer Standard ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
	BWRC020015	20 x 15	26.7	21.0	21.3	15.8	38	2.9	2.8	0.06
	BWRC025015	25 x 15	33.4	26.6	21.3	15.8	51	3.4	2.8	0.11
	BWRC025020	25 x 20	33.4	26.6	26.7	21.0	51	3.4	2.9	0.12
	BWRC032015	32 x 15	42.2	35.1	21.3	15.8	51	3.6	2.8	0.13
	BWRC032020	32 x 20	42.2	35.1	26.7	21.0	51	3.6	2.9	0.14
	BWRC032025	32 x 25	42.2	35.1	33.4	26.6	51	3.6	3.4	0.16
	BWRC040015	40 x 15	48.3	40.9	21.3	15.8	64	3.7	2.8	0.20
	BWRC040020	40 x 20	48.3	40.9	26.7	21.0	64	3.7	2.9	0.22

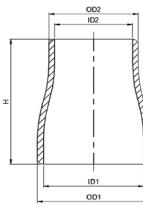
FITTINGS

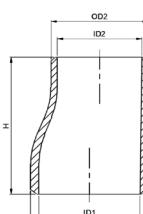
BUTT WELD FITTINGS

Concentric Reducer Standard ASTM A234 WPB ANSI B16.9 (continued)										
	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
	BWRC040025	40 x 25	48.3	40.9	33.4	26.6	64	3.7	3.4	0.22
	BWRC040032	40 x 32	48.3	40.9	42.2	35.1	64	3.7	3.6	0.24
	BWRC050015	50 x 15	60.3	52.5	21.3	15.8	76	3.9	2.8	0.30
	BWRC050020	50 x 20	60.3	52.5	26.7	21.0	76	3.9	2.9	0.30
	BWRC050025	50 x 25	60.3	52.5	33.4	26.6	76	3.9	3.4	0.32
	BWRC050032	50 x 32	60.3	52.5	42.2	35.1	76	3.9	3.6	0.35
	BWRC050040	50 x 40	60.3	52.5	48.3	40.9	76	3.9	3.7	0.37
	BWRC065020	65 x 20	73.0	62.7	26.7	21.0	89	5.2	2.9	0.00
	BWRC065025	65 x 25	73.0	62.7	33.4	26.6	89	5.2	3.4	0.59
	BWRC065032	65 x 32	73.0	62.7	42.2	35.1	89	5.2	3.6	0.63
	BWRC065040	65 x 40	73.0	62.7	48.3	40.9	89	5.2	3.7	0.66
	BWRC065050	65 x 50	73.0	62.7	60.3	52.5	89	5.2	3.9	0.72
	BWRC080025	80 x 25	88.9	77.9	33.4	26.6	89	5.5	3.4	0.50
	BWRC080032	80 x 32	88.9	77.9	42.2	35.1	89	5.5	3.6	0.75
	BWRC080040	80 x 40	88.9	77.9	48.3	40.9	89	5.5	3.7	0.78
	BWRC080050	80 x 50	88.9	77.9	60.3	52.5	89	5.5	3.9	0.85
	BWRC080065	80 x 65	88.9	77.9	73.0	62.7	89	5.5	5.2	0.93
	BWRC100040	100 x 40	114.3	102.3	48.3	40.9	102	6.0	3.7	1.27
	BWRC100050	100 x 50	114.3	102.3	60.3	52.5	102	6.0	3.9	1.27
	BWRC100065	100 x 65	114.3	102.3	73.0	62.7	102	6.0	5.2	1.37
	BWRC100080	100 x 80	114.3	102.3	88.9	77.9	102	6.0	5.5	1.45
	BWRC125065	125 x 65	141.3	128.2	73.0	62.7	127	6.6	5.2	2.16
	BWRC125080	125 x 80	141.3	128.2	88.9	77.9	127	6.6	5.5	2.27
	BWRC125100	125 x 100	141.3	128.2	114.3	102.3	127	6.6	6.0	2.50
	BWRC150050	150 x 50	168.3	154.1	60.3	52.5	140	7.1	3.9	2.50
	BWRC150065	150 x 65	168.3	154.1	73.0	62.7	140	7.1	5.2	2.92
	BWRC150080	150 x 80	168.3	154.1	88.9	77.9	140	7.1	5.5	3.04
	BWRC150100	150 x 100	168.3	154.1	114.3	102.3	140	7.1	6.0	3.30
	BWRC150125	150 x 125	168.3	154.1	141.3	128.2	140	7.1	6.6	3.57
	BWRC200080	200 x 80	219.1	202.7	88.9	77.9	152	8.2	5.5	4.97
	BWRC200100	200 x 100	219.1	202.7	114.3	102.3	152	8.2	6.0	5.10
	BWRC200125	200 x 125	219.1	202.7	141.3	128.2	152	8.2	6.6	5.40
	BWRC200150	200 x 150	219.1	202.7	168.3	154.1	152	8.2	7.1	5.71
	BWRC250100	250 x 100	273.0	254.5	114.3	102.3	178	9.3	6.0	8.06
	BWRC250125	250 x 125	273.0	254.5	141.3	128.2	178	9.3	6.6	10.50
	BWRC250150	250 x 150	273.0	254.5	168.3	154.1	178	9.3	7.1	8.78
	BWRC250200	250 x 200	273.0	254.5	219.1	202.7	178	9.3	8.2	9.58
	BWRC300150	300 x 150	323.8	304.7	168.3	154.1	203	9.5	7.1	11.80
	BWRC300200	300 x 200	323.8	304.7	219.1	202.7	203	9.5	8.2	12.70
	BWRC300250	300 x 250	323.8	304.7	273.0	254.5	203	9.5	9.3	13.60
	BWRC350150	350 x 150	355.6	336.5	168.3	154.1	330	9.5	7.1	25.00
	BWRC350200	350 x 200	355.6	336.5	219.1	202.7	330	9.5	8.2	21.80

FITTINGS

BUTT WELD FITTINGS

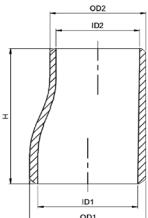
Concentric Reducer Standard ASTM A234 WPB ANSI B16.9 (continued)											
	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight	
	BWRC350250	350 x 250	355.6	336.5	273.0	254.5	330	9.5	9.3	23.60	
	BWRC350300	350 x 300	355.6	336.5	323.8	304.7	330	9.5	9.5	25.40	
	BWRC400200	400 x 200	406.4	387.3	219.1	202.7	356	9.5	8.2	25.60	
	BWRC400250	400 x 250	406.4	387.3	273.0	254.5	356	9.5	9.3	27.80	
	BWRC400300	400 x 300	406.4	387.3	323.8	304.7	356	9.5	9.5	29.60	
	BWRC400350	400 x 350	406.4	387.3	355.6	336.5	356	9.5	9.5	31.00	
	BWRC450250	450 x 250	457.0	437.9	273.0	254.5	381	9.5	9.3	31.60	
	BWRC450300	450 x 300	457.0	437.9	323.8	304.7	381	9.5	9.5	34.30	
	BWRC450350	450 x 350	457.0	437.9	355.6	336.5	381	9.5	9.5	35.70	
	BWRC450400	450 x 400	457.0	437.9	406.4	387.3	381	9.5	9.5	37.80	
	BWRC500300	500 x 300	508.0	488.9	323.8	304.7	508	9.5	9.5	56.30	
	BWRC500400	500 x 400	508.0	488.9	406.4	387.3	508	9.5	9.5	56.00	
	BWRC500450	500 x 450	508.0	488.9	457.0	437.9	508	9.5	9.5	60.00	
	BWRC600400	600 x 400	610.0	590.9	406.4	387.3	508	9.5	9.5	68.40	

Eccentric Reducer Standard ASTM A234 WPB ANSI B16.9											
	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight	
	BWRE020015	20 x 15	26.7	21.0	21.3	15.8	38	2.9	2.8	0.06	
	BWRE025015	25 x 15	33.4	26.6	21.3	15.8	51	3.4	2.8	0.05	
	BWRE025020	25 x 20	33.4	26.6	26.7	21.0	51	3.4	2.9	0.16	
	BWRE032015	32 x 15	42.2	35.1	21.3	15.8	51	3.6	2.8	0.13	
	BWRE032020	32 x 20	42.2	35.1	26.7	21.0	51	3.6	2.9	0.14	
	BWRE032025	32 x 25	42.2	35.1	33.4	26.6	51	3.6	3.4	0.16	
	BWRE040015	40 x 15	48.3	40.9	21.3	15.8	64	3.7	2.8	0.20	
	BWRE040020	40 x 20	48.3	40.9	26.7	21.0	64	3.7	2.9	0.20	
	BWRE040025	40 x 25	48.3	40.9	33.4	26.6	64	3.7	3.4	0.22	
	BWRE040032	40 x 32	48.3	40.9	42.2	35.1	64	3.7	3.6	0.24	
	BWRE050015	50 x 15	60.3	52.5	21.3	15.8	76	3.9	2.8	0.37	
	BWRE050020	50 x 20	60.3	52.5	26.7	21.0	76	3.9	2.9	0.30	
	BWRE050025	50 x 25	60.3	52.5	33.4	26.6	76	3.9	3.4	0.32	
	BWRE050032	50 x 32	60.3	52.5	42.2	35.1	76	3.9	3.6	0.35	
	BWRE050040	50 x 40	60.3	52.5	48.3	40.9	76	3.9	3.7	0.37	
	BWRE065025	65 x 25	73.0	62.7	33.4	26.6	89	5.2	3.4	0.59	
	BWRE065032	65 x 32	73.0	62.7	42.2	35.1	89	5.2	3.6	0.63	
	BWRE065040	65 x 40	73.0	62.7	48.3	40.9	89	5.2	3.7	0.66	

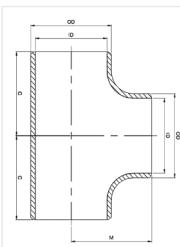
FITTINGS

BUTT WELD FITTINGS

Eccentric Reducer Standard Weight ASTM A234 WPB ANSI B16.9 (continued)

	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
	BWRE065050	65 x 50	73.0	62.7	60.3	52.5	89	5.2	3.9	0.72
	BWRE080025	80 x 25	88.9	77.9	33.4	26.6	89	5.5	3.4	0.70
	BWRE080032	80 x 32	88.9	77.9	42.2	35.1	89	5.5	3.6	0.75
	BWRE080040	80 x 40	88.9	77.9	48.3	40.9	89	5.5	3.7	0.78
	BWRE080050	80 x 50	88.9	77.9	60.3	52.5	89	5.5	3.9	0.85
	BWRE080065	80 x 65	88.9	77.9	73.0	62.7	89	5.5	5.2	0.93
	BWRE100032	100 x 32	114.3	102.3	42.2	35.1	102	6.0	3.6	1.05
	BWRE100040	100 x 40	114.3	102.3	48.3	40.9	102	6.0	3.7	1.16
	BWRE100050	100 x 50	114.3	102.3	60.3	52.5	102	6.0	3.9	1.27
	BWRE100065	100 x 65	114.3	102.3	73.0	62.7	102	6.0	5.2	1.37
	BWRE100080	100 x 80	114.3	102.3	88.9	77.9	102	6.0	5.5	1.45
	BWRE125080	125 x 80	141.3	128.2	88.9	77.9	127	6.6	5.5	2.27
	BWRE125100	125 x 100	141.3	128.2	114.3	102.3	127	6.6	6.0	2.50
	BWRE150080	150 x 80	168.3	154.1	88.9	77.9	140	7.1	5.5	3.04
	BWRE150100	150 x 100	168.3	154.1	114.3	102.3	140	7.1	6.0	3.30
	BWRE150125	150 x 125	168.3	154.1	141.3	128.2	140	7.1	6.6	3.57
	BWRE200100	200 x 100	219.1	202.7	114.3	102.3	152	8.2	6.0	5.10
	BWRE200125	200 x 125	219.1	202.7	141.3	128.2	152	8.2	6.6	5.40
	BWRE200150	200 x 150	219.1	202.7	168.3	154.1	152	8.2	7.1	5.71

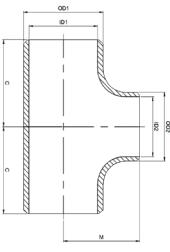
Equal Tee Standard Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	C, M	T	Approx Weight
	BWT015	15	21.3	15.8	25	2.8	0.08
	BWT020	20	26.7	21.0	29	2.9	0.11
	BWT025	25	33.4	26.6	38	3.4	0.24
	BWT032	32	42.2	35.1	48	3.6	0.46
	BWT040	40	48.3	40.9	57	3.7	0.71
	BWT050	50	60.3	52.5	64	3.9	0.99
	BWT065	65	73.0	62.7	76	5.2	1.90
	BWT080	80	88.9	77.9	86	5.5	2.85
	BWT090	90	101.6	90.1	95	5.7	3.83
	BWT100	100	114.3	102.3	105	6.0	4.83
	BWT125	125	141.3	128.2	124	6.6	8.00
	BWT150	150	168.3	154.1	143	7.1	10.20
	BWT200	200	219.1	202.7	178	8.2	22.90
	BWT250	250	273.0	254.5	216	9.3	36.60
	BWT300	300	323.8	304.7	254	9.5	58.40
	BWT350	350	355.6	336.5	279	9.5	83.20
	BWT400	400	406.4	387.3	305	9.5	96.30
	BWT450	450	457.0	437.9	343	9.5	83.90
	BWT500	500	508.0	488.9	381	9.5	139.00

FITTINGS

BUTT WELD FITTINGS

Reducing Tee Standard Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD1	ID1	OD2	ID2	C	M	T1	T2	Approx Weight
	BWTR020015	20 x 15	26.7	21.0	21.3	15.8	29	29	2.9	2.8	0.12
	BWTR025015	25 x 15	33.4	26.6	21.3	15.8	38	38	3.4	2.8	0.22
	BWTR025020	25 x 20	33.4	26.6	26.7	21.0	38	38	3.4	2.9	0.23
	BWTR032015	32 x 15	42.2	35.1	21.3	15.8	48	48	3.6	2.8	0.37
	BWTR032020	32 x 20	42.2	35.1	26.7	21.0	48	48	3.6	2.9	0.37
	BWTR032025	32 x 25	42.2	35.1	33.4	26.6	48	48	3.6	3.4	0.39
	BWTR040015	40 x 15	48.3	40.9	21.3	15.8	57	57	3.7	2.8	0.52
	BWTR040020	40 x 20	48.3	40.9	26.7	21.0	57	57	3.7	2.9	0.52
	BWTR040025	40 x 25	48.3	40.9	33.4	26.6	57	57	3.7	3.4	0.55
	BWTR040032	40 x 32	48.3	40.9	42.2	35.1	57	57	3.7	3.6	0.68
	BWTR050015	50 x 15	60.3	52.5	21.3	15.8	64	44	3.9	2.8	
	BWTR050020	50 x 20	60.3	52.5	26.7	21.0	64	44	3.9	2.9	0.73
	BWTR050025	50 x 25	60.3	52.5	33.4	26.6	64	51	3.9	3.4	0.74
	BWTR050032	50 x 32	60.3	52.5	42.2	35.1	64	57	3.9	3.6	0.89
	BWTR050040	50 x 40	60.3	52.5	48.3	40.9	64	60	3.9	3.7	0.93
	BWTR065025	65 x 25	73.0	62.7	33.4	26.6	76	57	5.2	3.4	1.48
	BWTR065032	65 x 32	73.0	62.7	42.2	35.1	76	64	5.2	3.6	1.56
	BWTR065040	65 x 40	73.0	62.7	48.3	40.9	76	67	5.2	3.7	1.47
	BWTR065050	65 x 50	73.0	62.7	60.3	52.5	76	70	5.2	3.9	1.53
	BWTR080025	80 x 25	88.9	77.9	33.4	26.6	86	70	5.5	3.4	2.00
	BWTR080032	80 x 32	88.9	77.9	42.2	35.1	86	70	5.5	3.6	2.08
	BWTR080040	80 x 40	88.9	77.9	48.3	40.9	86	73	5.5	3.7	2.08
	BWTR080050	80 x 50	88.9	77.9	60.3	52.5	86	76	5.5	3.9	2.14
	BWTR080065	80 x 65	88.9	77.9	73.0	62.7	86	83	5.5	5.2	2.27
	BWTR100040	100 x 40	114.3	102.3	48.3	40.9	105	86	6.0	3.7	3.43
	BWTR100050	100 x 50	114.3	102.3	60.3	52.5	105	89	6.0	3.9	3.55
	BWTR100065	100 x 65	114.3	102.3	73.0	62.7	105	95	6.0	5.2	3.69
	BWTR100080	100 x 80	114.3	102.3	88.9	77.9	105	98	6.0	5.5	3.82
	BWTR125080	125 x 80	141.3	128.2	88.9	77.9	124	111	6.6	5.5	6.10
	BWTR125100	125 x 100	141.3	128.2	114.3	102.3	124	117	6.6	6.0	6.18
	BWTR150065	150 x 65	168.3	154.1	73.0	62.7	143	121	7.1	5.2	8.32
	BWTR150080	150 x 80	168.3	154.1	88.9	77.9	143	124	7.1	5.5	8.52
	BWTR150100	150 x 100	168.3	154.1	114.3	102.3	143	130	7.1	6.0	8.81
	BWTR150125	150 x 125	168.3	154.1	141.3	128.2	143	137	7.1	6.6	9.08
	BWTR200080	200 x 80	219.1	202.7	88.9	77.9	178	156	8.2	5.5	15.70
	BWTR200100	200 x 100	219.1	202.7	114.3	102.3	178	156	8.2	6.0	18.00
	BWTR200125	200 x 125	219.1	202.7	141.3	128.2	178	162	8.2	6.6	18.40
	BWTR200150	200 x 150	219.1	202.7	168.3	154.1	178	168	8.2	7.1	18.80
	BWTR250100	250 x 100	273.0	254.5	114.3	102.3	216	184	9.3	6.0	29.60
	BWTR250125	250 x 125	273.0	254.5	141.3	128.2	216	191	9.3	6.6	30.10
	BWTR250150	250 x 150	273.0	254.5	168.3	154.1	216	194	9.3	7.1	30.50
	BWTR250200	250 x 200	273.0	254.5	219.1	202.7	216	203	9.3	8.2	32.40

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FITTINGS

BUTT WELD FITTINGS

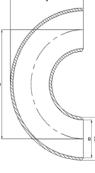
Reducing Tee Std Weight ASTM A234 WPB ANSI B16.9 (continued)

	Code	NB (mm)	OD1	ID1	OD2	ID2	C	M	T1	T2	Approx Weight
	BWTR300150	300 x 150	323.8	304.7	168.3	154.1	254	219	9.5	7.1	51.20
	BWTR300200	300 x 200	323.8	304.7	219.1	202.7	254	229	9.5	8.2	53.10
	BWTR300250	300 x 250	323.8	304.7	273.0	254.5	254	241	9.5	9.3	55.20

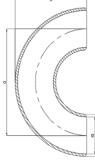
Cap Standard ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	E	T	Approx Weight
	BWC020	20	26.7	21.0	25	2.9	0.05
	BWC025	25	33.4	26.6	38	3.4	0.11
	BWC032	32	42.2	35.1	38	3.6	0.14
	BWC040	40	48.3	40.9	38	3.7	0.17
	BWC050	50	60.3	52.5	44	3.9	0.23
	BWC065	65	73.0	62.7	51	5.2	0.39
	BWC080	80	88.9	77.9	64	5.5	0.66
	BWC100	100	114.3	102.3	76	6.0	1.17
	BWC125	125	141.3	128.2	89	6.6	1.91
	BWC150	150	168.3	154.1	102	7.1	2.90
	BWC200	200	219.1	202.7	127	8.2	5.19
	BWC250	250	273.0	254.5	152	9.3	9.15
	BWC300	300	323.8	304.7	178	9.5	13.30
	BWC350	350	355.6	336.5	191	9.5	15.90
	BWC400	400	406.4	387.3	203	9.5	20.00
	BWC450	450	457.0	437.9	229	9.5	25.60
	BWC500	500	508.0	488.9	254	9.5	31.90
	BWC600	600	610.0	590.9	305	9.5	45.10

Long Radius Elbow 180° Std Weight ATSM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	K	O	T	Approx Weight
	BWE180020	20	26.7	21.0	51	76	2.9	0.22
	BWE180025	25	33.4	26.6	56	76	3.4	0.32
	BWE180032	32	42.2	35.1	70	95	3.6	0.46
	BWE180040	40	48.3	40.9	83	114	3.7	0.73
	BWE180050	50	60.3	52.5	106	152	3.9	1.14
	BWE180065	65	73.0	62.7	132	190	5.2	2.50
	BWE180080	80	88.9	77.9	159	229	5.5	3.64
	BWE180100	100	114.3	102.3	210	305	6.0	8.18
	BWE180125	125	141.3	128.2	381	262	6.6	13.18
	BWE180150	150	168.3	154.1	457	313	7.1	21.82
	BWE180200	200	219.1	202.7	610	414	8.2	44.99

Short Radius Elbow 180° Std Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	K	O	T	Approx Weight
	BWES180025	25	33.4	26.6	41	51	3.4	0.20
	BWES180032	32	42.2	35.1	52	64	3.6	0.34
	BWES180040	40	48.3	40.9	62	76	3.7	0.48
	BWES180050	50	60.3	52.5	81	102	3.9	0.87
	BWES180065	65	73.0	62.7	100	127	5.2	1.72
	BWES180080	80	88.9	77.9	121	152	5.5	2.70
	BWES180100	100	114.3	102.3	159	203	6.0	5.12
	BWES180150	150	168.3	154.1	237	305	7.1	13.50

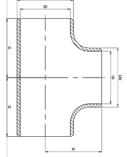
FITTINGS

BUTT WELD FITTINGS

Long Radius Elbow 90° XS Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	A	T	Approx Weight
	BWEX90015	15	21.3	13.8	38	3.7	0.10
	BWEX90020	20	26.7	18.9	38	3.9	0.10
	BWEX90025	25	33.4	24.3	38	4.6	0.19
	BWEX90032	32	42.2	32.5	48	4.9	0.33
	BWEX90040	40	48.3	38.1	57	5.1	0.49
	BWEX90050	50	60.3	49.2	76	5.5	0.89
	BWEX90065	65	73.0	59.0	95	7	1.70
	BWEX90080	80	88.9	73.7	114	7.6	2.74
	BWEX90100	100	114.3	97.2	152	8.6	5.34
	BWEX90125	125	141.3	122.2	190	9.5	9.25
	BWEX90150	150	168.3	146.4	229	11	15.30
	BWEX90200	200	219.1	193.7	305	12.7	30.90
	BWEX90250	250	273.0	247.6	381	12.7	48.80
	BWEX90300	300	323.8	298.4	457	12.7	69.90

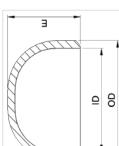
Equal Tee XS Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	C, M	T	Approx Weight
	BWTX015	15	21.3	13.8	25	3.7	0.11
	BWTX020	20	26.7	18.9	29	3.9	0.16
	BWTX025	25	33.4	24.3	38	4.6	0.32
	BWTX032	32	42.2	32.5	48	4.9	0.56
	BWTX040	40	48.3	38.1	57	5.1	0.81
	BWTX050	50	60.3	49.2	64	5.5	1.20
	BWTX065	65	73.0	59.0	76	7.0	2.28
	BWTX080	80	88.9	73.7	86	7.6	3.25
	BWTX100	100	114.3	97.2	105	8.6	5.77
	BWTX150	150	168.3	146.4	143	11.0	14.50
	BWTX200	200	219.1	193.7	178	12.7	27.10
	BWTX250	250	273.0	247.6	216	12.7	41.70
	BWTX300	300	323.8	298.4	254	12.7	114.95

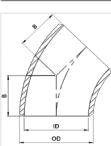
Short Radius Elbow 90° XS Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	A	T	Approx Weight
	BWES90X032	32	42.2	32.5	32	4.9	0.22
	BWES90X040	40	48.3	38.1	38	5.1	0.32
	BWES90X050	50	60.3	49.2	51	5.5	0.60
	BWES90X065	65	73.0	59.0	64	7.0	1.14
	BWES90X080	80	88.9	73.7	76	7.6	1.83
	BWES90X100	100	114.3	97.2	102	8.6	3.56
	BWES90X150	150	168.3	146.4	152	11	10.20
	BWES90X200	200	219.1	193.7	203	12.7	20.60

Cap XS Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	E	T	Approx Weight
	BWCX015	15	21.3	13.8	25	3.7	0.05
	BWCX025	25	33.4	24.3	38	4.6	0.15
	BWCX040	40	48.3	38.1	38	5.1	0.24
	BWCX050	50	60.3	49.2	44	5.5	0.33
	BWCX065	65	73.0	59.0	51	7.0	0.53
	BWCX080	80	88.9	73.7	64	7.6	0.92
	BWCX100	100	114.3	97.2	76	8.6	1.67
	BWCX125	125	141.3	122.2	89	9.5	2.78
	BWCX150	150	168.3	146.4	102	11.0	4.47
	BWCX200	200	219.1	193.7	127	12.7	8.05
	BWCX250	250	273.0	247.6	152	12.7	12.50

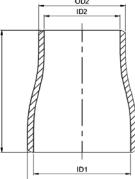
Long Radius Elbow 45° XS Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD	ID	B	T	Approx Weight
	BWEX45015	15	21.3	13.8	16	3.7	0.05
	BWEX45020	20	26.7	18.9	19	3.9	0.05
	BWEX45025	25	33.4	24.3	22	4.6	0.10
	BWEX45032	32	42.2	32.5	25	4.9	0.17
	BWEX45040	40	48.3	38.1	29	5.1	0.24
	BWEX45050	50	60.3	49.2	35	5.5	0.45
	BWEX45065	65	73.0	59.0	44	7.0	0.85
	BWEX45080	80	88.9	73.7	51	7.6	1.37
	BWEX45100	100	114.3	97.2	64	8.6	2.67
	BWEX45150	150	168.3	146.4	95	11	7.65
	BWEX45200	200	219.1	193.7	127	12.7	15.40

THE SMARTER CHOICE.

FITTINGS

BUTT WELD FITTINGS

Concentric Reducer XS Weight ASTM A234 WPB ANSI B16.9										
	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
	BWRCX020015	20 x 15	26.7	18.9	21.3	13.8	38	3.9	3.7	0.07
	BWRCX025015	25 x 15	33.4	24.3	21.3	13.8	51	4.6	3.7	0.13
	BWRCX025020	25 x 20	33.4	24.3	26.7	18.9	51	4.6	3.9	0.15
	BWRCX032015	32 x 15	42.2	32.5	21.3	13.8	51	4.9	3.7	0.17
	BWRCX032020	32 x 20	42.2	32.5	26.7	18.9	51	4.9	3.9	0.19
	BWRCX032025	32 x 25	42.2	32.5	33.4	24.3	51	4.9	4.6	0.23
	BWRCX040015	40 x 15	48.3	38.1	21.3	13.8	64	5.4	3.7	0.25
	BWRCX040020	40 x 20	48.3	38.1	26.7	18.9	64	5.4	3.9	0.27
	BWRCX040025	40 x 25	48.3	38.1	33.4	24.3	64	5.4	4.6	0.29
	BWRCX040032	40 x 32	48.3	38.1	42.2	32.5	64	5.4	4.9	0.32
	BWRCX050025	50 x 25	60.3	49.2	33.4	24.3	76	5.5	4.6	0.43
	BWRCX050032	50 x 32	60.3	49.2	42.2	32.5	76	5.5	4.9	0.54
	BWRCX050040	50 x 40	60.3	49.2	48.3	38.1	76	5.5	5.4	0.51
	BWRCX065025	65 x 25	73.0	59.0	33.4	24.3	89	7.0	4.6	0.73
	BWRCX065050	65 x 50	73.0	59.0	60.3	49.2	89	7.0	5.5	0.92
	BWRCX080040	80 x 40	88.9	73.7	48.3	38.1	89	7.6	5.4	1.04
	BWRCX080050	80 x 50	88.9	73.7	60.3	49.2	89	7.6	5.5	1.13
	BWRCX080065	80 x 65	88.9	73.7	73.0	59.0	89	7.6	7.0	1.23
	BWRCX100050	100 x 50	114.3	97.2	60.3	49.2	102	8.6	5.5	1.75
	BWRCX100065	100 x 65	114.3	97.2	73.0	59.0	102	8.6	7.0	1.86
	BWRCX100080	100 x 80	114.3	97.2	88.9	73.7	102	8.6	7.6	2.02
	BWRCX125100	125 x 100	141.3	122.2	114.3	97.2	127	9.5	8.6	3.54
	BWRCX150050	150 x 50	168.3	146.4	60.3	49.2	140	11.0	5.5	4.38
	BWRCX150080	150 x 80	168.3	146.4	88.9	73.7	140	11.0	7.6	4.56
	BWRCX150100	150 x 100	168.3	146.4	114.3	97.2	140	11.0	8.6	5.03
	BWRCX150125	150 x 125	168.3	146.4	141.3	122.2	140	11.0	9.5	5.38
	BWRCX200100	200 x 100	219.1	193.7	114.3	97.2	152	12.7	8.6	7.77
	BWRCX200150	200 x 150	219.1	193.7	168.3	146.4	152	12.7	11.0	8.76
	BWRCX250200	250 x 200	273.0	247.6	219.1	193.7	178	12.7	12.7	12.90

FITTINGS

BUTT WELD FITTINGS

Eccentric Reducer XS Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD1	ID1	OD2	ID2	H	T1	T2	Approx Weight
 	BWREX020015	20 x 15	26.7	18.9	21.3	13.8	38	3.9	3.7	0.07
	BWREX025015	25 x 15	33.4	24.3	21.3	13.8	51	4.6	3.7	0.14
	BWREX025020	25 x 20	33.4	24.3	26.7	18.9	51	4.6	3.9	0.14
	BWREX040025	40 x 25	48.3	38.1	33.4	24.3	64	5.4	4.6	0.29
	BWREX050020	50 x 20	60.3	49.2	26.7	18.9	76	5.5	3.9	0.40
	BWREX050025	50 x 25	60.3	49.2	33.4	24.3	76	5.5	4.6	0.44
	BWREX050040	50 x 40	60.3	49.2	48.3	38.1	76	5.5	5.4	0.51
	BWREX065050	65 x 50	73.0	59.0	60.3	49.2	89	7.0	5.5	0.95
	BWREX080040	80 x 40	88.9	73.7	48.3	38.1	89	7.6	5.4	1.04
	BWREX080050	80 x 50	88.9	73.7	60.3	49.2	89	7.6	5.5	1.13
	BWREX080065	80 x 65	88.9	73.7	73.0	59.0	89	7.6	7.0	1.25
	BWREX100050	100 x 50	114.3	97.2	60.3	49.2	102	8.6	5.5	1.75
	BWREX100065	100 x 65	114.3	97.2	73.0	59.0	102	8.6	7.0	1.90
	BWREX100080	100 x 80	114.3	97.2	88.9	73.7	102	8.6	7.6	2.13
	BWREX150080	150 x 80	168.3	146.4	88.9	73.7	140	11.0	7.6	4.60
	BWREX150100	150 x 100	168.3	146.4	114.3	97.2	140	11.0	8.6	4.96
	BWREX200150	200 x 150	219.1	193.7	168.3	146.4	152	12.7	11.0	8.75

Reducing Tee XS Weight ASTM A234 WPB ANSI B16.9

	Code	NB (mm)	OD1	OD2	ID1	ID2	C	M	T1	T2	Approx Weight
 	BWTRX020015	20 x 15	26.7	18.9	21.3	13.8	29	29	3.9	3.7	0.15
	BWTRX025015	25 x 15	33.4	24.3	21.3	13.8	38	38	4.6	3.7	0.28
	BWTRX040020	40 x 20	48.3	38.1	26.7	18.9	57	57	5.1	3.9	0.69
	BWTRX040025	40 x 25	48.3	38.1	33.4	24.3	57	57	5.1	4.6	0.73
	BWTRX050025	50 x 25	60.3	49.2	33.4	24.3	64	51	5.5	4.6	1.01
	BWTRX050040	50 x 40	60.3	49.2	48.3	38.1	64	60	5.5	5.1	1.11
	BWTRX080025	80 x 25	88.9	73.7	33.4	24.3	86	70	7.6	4.6	2.65
	BWTRX080050	80 x 50	88.9	73.7	60.3	49.2	86	76	7.6	5.5	2.85
	BWTRX100050	100 x 50	114.3	97.2	60.3	49.2	105	89	8.6	5.5	4.93
	BWTRX100080	100 x 80	114.3	97.2	88.9	73.7	105	98	8.6	7.6	5.33
	BWTRX150080	150 x 80	168.3	146.4	88.9	73.7	143	124	11.0	7.6	12.8

THE SMARTER CHOICE.

FITTINGS

STEEL FITTINGS

STEEL UNIONS

Black steel Unions are used in a wide range of make-and-break joints such as : Filters, valves, hoses, machinery etc.; general piping installations requiring periodic disconnections; high or low pressure assemblies in air, oil, gas and water. Available in Steel-Steel, Steel-Bronze and Bronze-Bronze seats in Female-Female and Male-Female types.

SEATINGS

Ball to Cone Seating in the following combinations:

Steel-Steel

This is a general purpose combination recommended where vibration is present. The seats are Integral and therefore are the most economically priced. This union will suit almost any application. Zinc coating improves the efficiency of the joints to a marked degree where corrosion is present.

Steel-Bronze

A good seat combination where corrosion due to the material used in the line or where condensation is present and when periodic disconnection is required.

Zinc coating improves the efficiency of the joint.

Bronze-Bronze

Should corrosion – due to material in the pipe line or condensation be a major factor, and where consistent disconnection is required, this seat combination is advised. Ideally suited to steam lines.

Zinc coating improves the corrosion resistance of the seat area.

THREADING

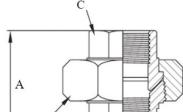
Taper threads only.

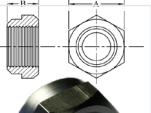
External (R) and internal (RC) series to AS 1722 Part 1.

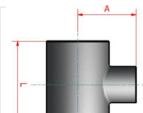
SPECIFICATIONS

Asmuss Steel Fittings are pressure tested by application of internal pressure, under which they are required to withstand, without signs of leakage, failure or plastic deformation the following tests:

- All sizes of unions up to 2" nominal bore individually tested to 2000 p.s.i. and sample tested to 3000 p.s.i.
- All sizes of unions over 2" nominal bore individually tested to 1500 p.s.i.
- All sizes of ordinary sockets samples tested to 750 p.s.i.
- All sizes of other fittings sample tested to 750 p.s.i.

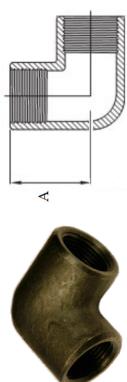
Black Mild Steel Female-Female Union								
	Steel-Steel Code	Bronze-Steel Code	Bronze-Bronze Code	NB (mm)	A	B	C	Approx Weight
	WBUB008			8	42	35	21	0.15
	WBUS010	WBUB010		10	42	35	21	0.18
	WBUS015	WBUB015	WBUBB015	15	46	42	26	0.28
	WBUS020	WBUB020	WBUBB020	20	54	52	34	0.44
	WBUS025	WBUB025	WBUBB025	25	61	61	40	0.62
	WBUS032	WBUB032	WBUBB032	32	71	76	50	0.95
	WBUS040	WBUB040	WBUBB040	40	82	83	56	1.26
	WBUS050	WBUB050	WBUBB050	50	88	101	70	1.80

Black Mild Steel Hexagon Cap					
	Code	NB (mm)	A	B	Approx Weight
	WSBPH/015	15	28.6	16	0.04
					

Black Mild Steel Reducing Tee					
	Code	NB (mm)	A	L	Approx Weight
	WBTR020015	20 x 15	35	70	0.30
	WBTR032020	32 x 20	51	102	0.60
	WBTR040025	40 x 25	52	104	1.00
	WBTR050015	50 x 15	64	108	1.55
	WBTR050025	50 x 25	64	108	1.45

FITTINGS

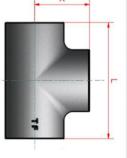
STEEL FITTINGS

Black & Galvanised Mild Steel Female-Female Elbow 90°						
	Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
	WBE006		6	16	0.09	
	WBE008		8	22	0.07	
	WBE010		10	24	0.09	
	WBE015	WGE015	15	32	0.17	
	WBE020	WGE020	20	35	0.26	
	WBE025	WGE025	25	43	0.42	
	WBE032	WGE032	32	51	0.64	
	WBE040	WGE040	40	52	0.76	
	WBE050	WGE050	50	64	1.22	
	WBE065		65	76	2.00	
	WBE080		80	89	2.71	
	WBE100		100			5.77

Black & Galvanised Mild Steel Female-Female Elbow 90°						
	Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
	WBEMF008		8	19	27	0.04
	WBEMF010		10	21	29	0.07
	WBEMF015	WGEMF015	15	25	35	0.13
	WBEMF020	WGEMF020	20	30	40	0.19
	WBEMF025	WGEMF025	25	37	46	0.34
	WBEMF032	WGEMF032	32	43	54	0.62
	WBEMF040	WGEMF040	40	49	57	0.73
	WBEMF050	WGEMF050	50	59	70	1.25

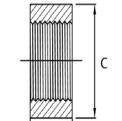
Black & Galvanised Mild Hexagon Steel Nipple						
	Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
	WBN006		6	25	11	0.01
	WBN008		8	31	16	0.03
	WBN010		10	33	19	0.04
	WBN015	WGN015	15	43	22	0.07
	WBN020	WGN020	20	48	27	0.10
	WBN025	WGN025	25	52	35	0.17
	WBN032	WGN040	32	59	47	0.31
	WBN040	WGN050	40	61	52	0.41
	WBN050		50	68	61	0.61
	WBN065		65	80	79	1.16
	WBN080		80	89	92	0.14
	WBN100		100	102	117	3.91

Black & Galvanised Mild Steel Reducing Nipple						
	Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
	WBNR008006		8 x 6	30	16	0.02
	WBNR010006		10 x 6	31	19	0.03
	WBNR010008		10 x 8	34	19	0.03
	WBNR015006		15 x 6	40	22	0.06
	WBNR015008		15 x 8	40	22	0.06
	WBNR015010		15 x 10	40	22	0.06
	WBNR020008		20 x 8	42	27	0.08
	WBNR020010		20 x 10	42	27	0.09
	WBNR020015	WGNR020015	20 x 15	47	27	0.10
	WBNR025015	WGNR025015	25 x 15	50	35	0.16
	WBNR025020		25 x 20	50	35	0.16
	WBNR032015		32 x 15	55	47	0.31
	WBNR032020		32 x 20	55	47	0.29
	WBNR032025		32 x 25	57	47	0.30
	WBNR040020		40 x 20	57	52	0.39
	WBNR040025		40 x 25	59	52	0.37
	WBNR040032		40 x 32	63	52	0.39
	WBNR050025		50 x 25	62	61	0.64
	WBNR050032		50 x 32	66	61	0.53
	WBNR050040		50 x 40	66	61	0.57

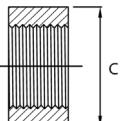
Black & Galvanised Mild Steel Equal Tee						
	Code Black	Code Galvanised	NB (mm)	A	L	Approx Weight
	WBT006		6	16	32	0.14
	WBT008		8	22	44	0.09
	WBT010		10	24	48	0.10
	WBT015	WGT015	15	32	64	0.20
	WBT020	WGT020	20	35	70	0.23
	WBT025	WGT025	25	43	86	0.46
	WBT032	WGT032	32	51	102	0.71
	WBT040	WGT040	40	52	104	0.87
	WBT050	WGT050	50	64	128	1.45
	WBT065		65	76	152	2.31
	WBT080		80	89	178	3.25
	WBT100		100	112	233	7.50

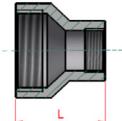
FITTINGS

STEEL FITTINGS

Black Mild Steel Half Socket					
	Code Black	NB (mm)	A	C	Approx Weight
	WBSH010	10	12	22	0.02
	WBSH015	15	16	27	0.04
	WBSH020	20	19	32.5	0.05
	WBSH025	25	21	39.5	0.08
	WBSH032	32	25	49	0.12
	WBSH040	40	25	56	0.16
	WBSH050	50	28	68	0.24
	WBSH065	65	30	84	0.36

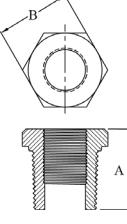
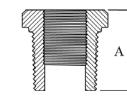
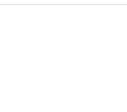
Black Mild Steel Profile Socket					
	Code Black	NB (mm)	A	B	Approx Weight
	WBSP025032	25 x 32	33.5	42.4	0.10
	WBSP025040	25 x 40	32.5	48.3	0.10
	WBSP025050	25 x 50	31.2	60.3	0.10
	WBSP025065	25 x 65	30.3	76.0	0.10
	WBSP025080	25 x 80	29.8	88.9	0.10
	WBSP025100	25 x 100	29.2	114.0	0.10
	WBSP025150	25 x 150	28.5	165.1	0.10
	WBSP032040	32 x 40	37.0	48.3	0.14
	WBSP032050	32 x 50	34.2	60.3	0.14
	WBSP032065	32 x 65	32.5	76.0	0.14
	WBSP032080	32 x 80	31.6	88.9	0.14
	WBSP032100	32 x 100	30.6	114.0	0.14
	WBSP032150	32 x 150	30.5	165.1	0.14
	WBSP040050	40 x 50	37.6	60.3	0.19
	WBSP040065	40 x 65	34.9	76.0	0.19
	WBSP040080	40 x 80	33.7	88.9	0.19
	WBSP040100	40 x 100	32.2	114.0	0.19
	WBSP040150	40 x 150	30.7	165.1	0.19
	WBSP050050	50 x 50	48.1	60.3	0.23
	WBSP050065	50 x 65	41.1	76.0	0.23
	WBSP050080	50 x 80	38.6	88.9	0.23
	WBSP050100	50 x 100	36.0	114.0	0.23
	WBSP050150	50 x 150	33.5	165.1	0.23
	WBSP050080	50 X 80	38.6	88.9	0.23
	WBSP050100	50 X 100	36	114	0.23
	WBSP050150	50 X 150	33.5	165.1	0.23

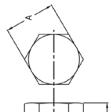
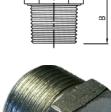
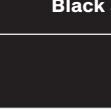
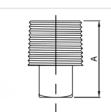
Black & Galvanised Mild Steel Socket						
	Code Black	Code Galvanised	NB (mm)	A	C	Approx Weight
	WBSF006	WGSF006	6	19	15	0.02
	WBSF008	WGSF008	8	19	18.5	0.03
	WBSF010	WGSF010	10	28	22	0.04
	WBSF015	WGSF015	15	37	27	0.08
	WBSF020	WGSF020	20	39	32.5	0.10
	WBSF025	WGSF025	25	46	39.5	0.16
	WBSF032	WGSF032	32	51	49	0.25
	WBSF040	WGSF040	40	51	56	0.32
	WBSF050	WGSF050	50	60	68	0.47
	WBSF065	WGSF065	65	69	84	0.71
	WBSF080	WGSF080	80	75	98	1.02
	WBSF100	WGSF100	100	87	124	2.10
	WBSF125	WGSF125	125	96	151	2.50
	WBSF150	WGSF150	150	96	177	2.84

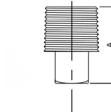
Black Mild Steel Reducing Socket				
	Code Black	NB (mm)	L	Approx Weight
	WBSR010008	10 x 8	29	0.04
	WBSR015008	15 x 8	49	0.08
	WBSR015010	15 x 10	38	0.08
	WBSR020010	20 x 10	43	0.13
	WBSR020015	20 x 15	41	0.11
	WBSR025015	25 x 15	51	0.20
	WBSR025020	25 x 20	49	0.19
	WBSR032015	32 x 15	59	0.30
	WBSR032020	32 x 20	57	0.29
	WBSR032025	32 x 25	56	0.27
	WBSR040015	40 x 15	65	0.42
	WBSR040020	40 x 20	64	0.45
	WBSR040025	40 x 25	62	0.45
	WBSR040032	40 x 32	60	0.44
	WBSR050015	50 x 15	70	0.49
	WBSR050020	50 x 20	68	0.50
	WBSR050025	50 x 25	67	0.56
	WBSR050032	50 x 32	65	0.54
	WBSR050040	50 x 40	64	0.55

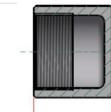
FITTINGS

STEEL FITTINGS

Black & Galvanised Mild Steel Bush						
	Code Black	Code Galvanised	NB (mm)	A	B	Approx Weight
	WBB008006		8 x 6	12.5	14	0.01
	WBB010006		10 x 6	12.5	17	0.02
	WBB010008		10 x 8	12.5	17	0.02
	WBB015006		15 x 6	17.5	22	0.04
	WBB015008		15 x 8	17.5	22	0.05
	WBB015010		15 x 10	17.5	22	0.03
	WBB020006		20 x 6	19	27	0.08
	WBB020008		20 x 8	19	27	0.08
	WBB020010		20 x 10	19	27	0.70
	WBB020015	WGB020015	20 x 15	19	27	0.05
	WBB025008		25 x 8	21	36	0.14
	WBB025010		25 x 10	21	36	0.14
	WBB025015	WGB025015	25 x 15	21	36	0.13
	WBB025020	WGB025020	25 x 20	21	36	0.10
	WBB032015		32 x 15	24	46	0.27
	WBB032020	WGB032020	32 x 20	24	46	0.24
	WBB032025	WGB032025	32 x 25	24	46	0.19
	WBB040015	WGB040015	40 x 15	24	50	0.32
	WBB040020	WGB040020	40 x 20	24	50	0.31
	WBB040025	WGB040025	40 x 25	24	50	0.26
	WBB040032		40 x 32	24	50	0.27
	WBB050015		50 x 15	27	65	0.59
	WBB050020	WGB050020	50 x 20	27	65	0.56
	WBB050025		50 x 25	27	65	0.53
	WBB050032	WGB050032	50 x 32	27	65	0.46
	WBB050040	WGB050040	50 x 40	27	65	0.40
	WBB065040		65 x 40	32	78	0.93
	WBB065050		65 x 50	32	78	0.68
	WBB080050		80 x 50	35	90	1.40
	WBB080065		80 x 65	35	90	0.86

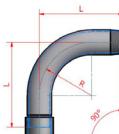
Black Mild Steel Hexagon Head Plug						
	Code Black	Code Galvanised	NB (mm)	A	C	Approx Weight
	WBPS006		6	12.5	6	0.01
	WBPS008		8	15.7	6	0.02
	WBPS010		10	20.1	10	0.03
	WBPS015	WGP015	15	23.2	10	0.05
	WBPS020	WGP020	20	26.5	12	0.08
	WBPS025	WGP025	25	28.8	12	0.12
	WBPS032	WGP032	32	35.1	16	0.23
	WBPS040	WGP040	40	35.1	16	0.33
	WBPS050	WGP050	50	42.4	19	0.60
	WBPS065		65	45.7	19	1.02
	WBPS080		80	51.8	22	1.42

Black and Galvanised Mild Steel Square Head Plug					
	Code Black	NB (mm)	A	B	Approx Weight
	WBPH006	6	12	9.5	0.01
	WBPH008	8	14	12.5	0.02
	WBPH010	10	17	12.5	0.03
	WBPH015	15	22	17.5	0.05
	WBPH020	20	27	19	0.08
	WBPH025	25	36	21	0.12
	WBPH032	32	46	24	0.23
	WBPH040	40	50	24	0.33
	WBPH050	50	65	27	0.60
	WBPH080	80	90	35	1.42
	WBPH100	100	115	40	2.44

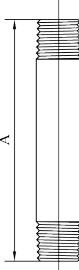
Black & Galvanised Mild Steel Cap					
	Code Black	Code Galvanised	NB (mm)	L	Approx Weight
	WBC015		15	37	0.10
	WBC020	WGC020	20	38	0.15
	WBC025	WGC025	25	44	0.26
	WBC032		32	51	0.40
	WBC040		40	54	0.60
	WBC050		50	60	0.95

FITTINGS**STEEL FITTINGS**

Black & Galvanised Mild Steel Male-Female Bend 90°

	Code Black	Code Galvanised	NB (mm)	L	R	Approx Weight
	WBLB006	WGLB006	6	51	32	0.04
	WBLB008	WGLB008	8	64	41	0.08
	WBLB010	WGLB010	10	73	48	0.12
	WBLB015	WGLB015	15	86	50	0.19
	WBLB020	WGLB020	20	102	60	0.30
	WBLB025	WGLB025	25	121	70	0.58
	WBLB032	WGLB032	32	146	89	0.88
	WBLB040	WGLB040	40	165	105	1.16
	WBLB050	WGLB050	50	203	127	1.91
	WBLB065	WGLB065	65	248	180	3.28
	WBLB080	WGLB080	80	292	205	5.24
	WBLB100	WGLB100	100	431	297	10.30
	WBLB150		150	622	437	22.00

Black & Galvanised Mild Steel Barrel Nipple (continued)

	Code Black	Code Galvanised	NB (mm)	A	Approx Weight
	WBBN01550	WGBN01550	15	50	0.05
	WBBN01560	WGBN01560	15	60	0.06
	WBBN01570	WGBN01570	15	70	0.07
	WBBN01580	WGBN01580	15	80	0.09
	WBBN01590	WGBN01590	15	90	0.10
	WBBN02040		20	40	0.05
	WBBN02050	WGBN02050	20	50	0.06
	WBBN02060	WGBN02060	20	60	0.08
	WBBN02070	WGBN02070	20	70	0.10
	WBBN02080	WGBN02080	20	80	0.11
	WBBN02090	WGBN02090	20	90	0.13
	WBBN02550	WGBN02550	25	50	0.10
	WBBN02560	WGBN02560	25	60	0.12
	WBBN02570	WGBN02570	25	70	0.15
	WBBN02580	WGBN02580	25	80	0.17
	WBBN02590	WGBN02590	25	90	0.20
	WBBN03250		32	50	0.15
	WBBN03260	WGBN03260	32	60	0.15
	WBBN03270	WGBN03270	32	70	0.18
	WBBN03280	WGBN03280	32	80	0.21
	WBBN03290	WGBN03290	32	90	0.24
	WBBN04050		40	50	0.13
	WBBN04060	WGBN04060	40	60	0.17
	WBBN04070	WGBN04070	40	70	0.20
	WBBN04080	WGBN04080	40	80	2.84
	WBBN04090	WGBN04090	40	90	0.28
	WBBN05060	WGBN05060	50	60	0.22
	WBBN05070	WGBN05070	50	70	0.28
	WBBN05080	WGBN05080	50	80	0.33
	WBBN05090	WGBN05090	50	90	0.38
		WGBN0570	65	70	0.32
	WBBN06580	WGBN06580	65	80	0.39
	WBBN06590	WGBN06590	65	90	0.45
	WBBN08050		80	50	0.24
	WBBN08060		80	60	0.32
	WBBN08070		80	70	0.72
	WBBN08080	WGBN08080	80	80	0.49
	WBBN08090	WGBN08090	80	90	0.58
	WBBN10075		100	75	0.92
	WBBN10080	WGBN10080	100	80	0.98
	WBBN10090	WGBN10090	100	90	0.80

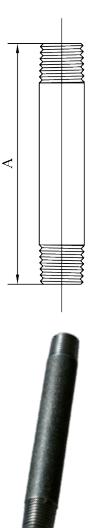
Black & Galvanised Mild Steel Barrel Nipple

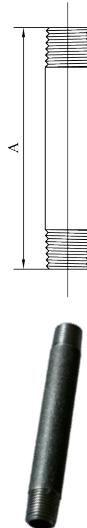
	Code Black	Code Galvanised	NB (mm)	A	Approx Weight
	WGBN00630	WGBN00630	6	30	0.01
	WBBN00640	WGBN00640	6	40	0.01
	WGBN00650	WGBN00650	6	50	0.02
	WBBN00660	WGBN00660	6	60	0.02
	WBBN00670	WGBN00670	6	70	0.03
	WBBN00680	WGBN00680	6	80	0.03
	WBBN00690	WGBN00690	6	90	0.03
		WGBN00825	8	25	0.01
	WBBN00830	WGBN00830	8	30	0.01
	WBBN00840	WGBN00840	8	40	0.02
	WBBN00850	WGBN00850	8	50	0.03
	WBBN00860	WGBN00860	8	60	0.03
	WBBN00870	WGBN00870	8	70	0.04
	WBBN00880	WGBN00880	8	80	0.05
	WBBN00890	WGBN00890	8	90	0.05
	WBBN01025		10	25	0.02
	WBBN01030	WGBN01030	10	30	0.02
	WBBN01040	WGBN01040	10	40	0.03
	WBBN01050	WGBN01050	10	50	0.04
	WBBN01060	WGBN01060	10	60	0.04
	WBBN01070	WGBN01070	10	70	0.05
	WBBN01080	WGBN01080	10	80	0.06
	WBBN01090	WGBN01090	10	90	0.07
	WBBN01540		15	40	0.04

FITTINGS

STEEL FITTINGS

Black Mild Steel Close Nipple					
	Code Black	Code Galvanised	NB (mm)	A	Approx Weight
		WGBN006CT	6	23	0.01
	WBBN008CT	WGBN008CT	8	27	0.01
	WBBN010CT		10	28	0.02
	WBBN015CT	WGBN015CT	15	37	0.03
	WBBN020CT	WGBN020CT	20	40	0.04
	WBBN025CT	WGBN025CT	25	46	0.08
	WBBN032CT	WGBN032CT	32	51	0.11
	WBBN040CT	WGBN040CT	40	51	0.13
	WBBN050CT	WGBN050CT	50	60	0.22
	WBBN065CT	WGBN065CT	65	69	0.30
	WBBN080CT	WGBN080CT	80	75	0.42
	WBBN100CT	WGBN100CT	100	75	0.73

Black & Galvanised Mild Steel Barrel Piece					
	Code Black	Code Galvanised	Metric Size	A	Approx Weight
		WGBP006100	6	100	0.04
	WBBP006130		6	130	0.05
	WBBP006150	WGBP006150	6	150	0.05
	WBBP008100	WGBP008100	8	100	0.06
		WGBP008120	8	120	0.07
	WBBP008130	WGBP008130	8	130	0.08
	WBBP008150	WGBP008150	8	150	0.09
	WBBP010100	WGBP010100	10	100	0.08
		WGBP010120	10	120	0.09
	WBBP010130	WGBP010130	10	130	0.10
	WBBP010150	WGBP010150	10	150	0.12
		WGBP010200	10	200	0.16
		WGBP010250	10	250	0.20
		WGBP010300	10	300	0.25
	WBBP015100	WGBP015100	15	100	0.11
	WBBP015110	WGBP015110	15	110	0.12
	WBBP015120	WGBP015120	15	120	0.13
	WBBP015130	WGBP015130	15	130	0.15
	WBBP015140		15	140	0.16
	WBBP015150	WGBP015150	15	150	0.17
	WBBP015200	WGBP015200	15	200	0.23
	WBBP015250	WGBP015250	15	250	0.29
	WBBP015300	WGBP015300	15	300	0.35
	WBBP015400	WGBP015400	15	400	0.48
	WBBP015450	WGBP015450	15	450	0.54
	WBBP015500	WGBP015500	15	500	0.60

Black & Galvanised Mild Steel Barrel Piece (continued)						
	Code Black	Code Galvanised	Metric Size	A	Approx Weight	
		WBBP015500	WGBP015500	15	500	0.60
	WBBP015600	WGBP015600	15	600	0.72	
		WGBP015900	15	900	1.09	
	WBBP020100	WGBP020100	20	100	0.14	
	WBBP020110		20	110	0.16	
	WBBP020120		20	120	0.17	
	WBBP020130	WGBP020130	20	130	0.19	
	WBBP020140		20	140	0.21	
	WBBP020150	WGBP020150	20	150	0.22	
	WBBP020200	WGBP020200	20	200	0.30	
	WBBP020250	WGBP020250	20	250	0.38	
	WBBP020300	WGBP020300	20	300	0.46	
	WBBP020400	WGBP020400	20	400	0.62	
	WBBP020450	WGBP020450	20	450	0.70	
	WBBP020500	WGBP020500	20	500	0.78	
	WBBP020600	WGBP020600	20	600	0.93	
		WGBP020900	20	900	1.41	
	WBBP025100	WGBP025100	25	100	0.22	
	WBBP025110	WGBP025110	25	110	0.24	
	WBBP025120	WGBP025120	25	120	0.27	
	WBBP025130	WGBP025130	25	130	0.29	
	WBBP025140		25	140	0.32	
	WBBP025150	WGBP025150	25	150	0.34	
	WBBP025200	WGBP025200	25	200	0.46	
	WBBP025250	WGBP025250	25	250	0.59	
	WBBP025300	WGBP025300	25	300	0.71	
	WBBP025400	WGBP025400	25	400	0.95	
	WBBP025450	WGBP025450	25	450	1.07	
	WBBP025500	WGBP025500	25	500	1.20	
	WBBP025600	WGBP025600	25	600	1.44	
		WGBP025800	25	800	1.93	
		WGBP0251000	25	1000	2.50	
	WBBP032100	WGBP032100	32	100	0.27	
	WBBP032120	WGBP032120	32	120	0.34	
	WBBP032130	WGBP032130	32	130	0.37	
	WBBP032150	WGBP032150	32	150	0.43	
	WBBP032200	WGBP032200	32	200	0.59	
	WBBP032250	WGBP032250	32	250	0.75	
	WBBP032300	WGBP032300	32	300	0.90	
	WBBP032400	WGBP032400	32	400	1.22	
	WBBP032450	WGBP032450	32	450	1.37	
	WBBP032500	WGBP032500	32	500	1.53	

FITTINGS

STEEL FITTINGS

Black & Galvanised Mild Steel Barrel Piece (continued)

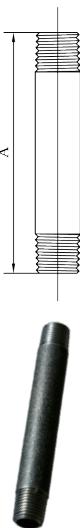
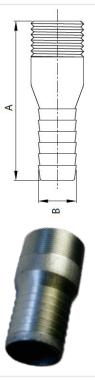
	Code Black	Code Galvanised	Metric Size	A	Approx Weight
	WBBP015600	WGBP015600	15	600	0.72
		WGBP015900	15	900	1.09
WBBP020100	WGBP020100		20	100	0.14
WBBP020110			20	110	0.16
WBBP020120			20	120	0.17
WBBP020130	WGBP020130		20	130	0.19
WBBP020140			20	140	0.21
WBBP020150	WGBP020150		20	150	0.22
WBBP020200	WGBP020200		20	200	0.30
WBBP020250	WGBP020250		20	250	0.38
WBBP020300	WGBP020300		20	300	0.46
WBBP020400	WGBP020400		20	400	0.62
WBBP020450	WGBP020450		20	450	0.70
WBBP020500	WGBP020500		20	500	0.78
WBBP020600	WGBP020600		20	600	0.93
	WGBP020900		20	900	1.41
WBBP025100	WGBP025100		25	100	0.22
WBBP025110	WGBP025110		25	110	0.24
WBBP025120	WGBP025120		25	120	0.27
WBBP025130	WGBP025130		25	130	0.29
WBBP025140			25	140	0.32
WBBP025150	WGBP025150		25	150	0.34
WBBP025200	WGBP025200		25	200	0.46
WBBP025250	WGBP025250		25	250	0.59
WBBP025300	WGBP025300		25	300	0.71
WBBP025400	WGBP025400		25	400	0.95
WBBP025450	WGBP025450		25	450	1.07
WBBP025500	WGBP025500		25	500	1.20
WBBP025600	WGBP025600		25	600	1.44
	WGBP025800		25	800	1.93
	WGBP0251000		25	1000	2.50
WBBP032100	WGBP032100		32	100	0.27
WBBP032120	WGBP032120		32	120	0.34
WBBP032130	WGBP032130		32	130	0.37
WBBP032150	WGBP032150		32	150	0.43
WBBP032200	WGBP032200		32	200	0.59
WBBP032250	WGBP032250		32	250	0.75
WBBP032300	WGBP032300		32	300	0.90
WBBP032400	WGBP032400		32	400	1.22
WBBP032450	WGBP032450		32	450	1.37
WBBP032500	WGBP032500		32	500	1.53
WBBP032600	WGBP032600		32	600	1.84

Black & Galvanised Mild Steel Barrel Piece (continued)

	Code Black	Code Galvanised	Metric Size	A	Approx Weight
	WGBP0322000		32	2000	6.40
WBBP040100	WGBP040100		40	100	0.31
WBBP040110	WGBP040110		40	110	0.35
WBBP040120	WGBP040120		40	120	0.38
WBBP040130	WGBP040130		40	130	0.42
WBBP040140	WGBP040140		40	140	0.46
WBBP040150	WGBP040150		40	150	0.49
WBBP040200	WGBP040200		40	200	0.67
WBBP040250	WGBP040250		40	250	0.85
WBBP040300	WGBP040300		40	300	1.03
WBBP040400	WGBP040400		40	400	1.39
WBBP040450	WGBP040450		40	450	1.57
WBBP040500	WGBP040500		40	500	1.76
WBBP040600	WGBP040600		40	600	2.12
	WGBP0402100		40	2100	7.53
WBBP050100	WGBP050100		50	100	0.43
WBBP050110	WGBP050110		50	110	0.48
WBBP050120	WGBP050120		50	120	0.53
WBBP050130	WGBP050130		50	130	0.58
WBBP050150	WGBP050150		50	150	0.68
WBBP050200	WGBP050200		50	200	0.94
WBBP050250	WGBP050250		50	250	1.19
WBBP050300	WGBP050300		50	300	1.45
WBBP050400	WGBP050400		50	400	1.97
WBBP050450	WGBP050450		50	450	2.21
WBBP050500	WGBP050500		50	500	2.47
WBBP050600	WGBP050600		50	600	2.98
	WGBP0501000		50	1000	5.02
	WGBP0501200		50	1200	6.03
WBBP065100	WGBP065100		65	100	0.52
WBBP065130	WGBP065130		65	130	0.82
WBBP065150	WGBP065150		65	150	0.84
WBBP065200	WGBP065200		65	200	1.17
WBBP065250	WGBP065250		65	250	1.50
WBBP065300	WGBP065300		65	300	1.82
WBBP065400	WGBP065400		65	400	2.43
WBBP065450	WGBP065450		65	450	2.76
WBBP065500	WGBP065500		65	500	3.12
WBBP065600	WGBP065600		65	600	3.77
WBBP080100	WGBP080100		80	100	0.78
WBBP080130	WGBP080130		80	130	0.92
WBBP080150	WGBP080150		80	150	1.09

FITTINGS

STEEL FITTINGS

Black & Galvanised Mild Steel Barrel Piece (continued)						Galvanised Mild Steel Hose Tail					
	Code Black	Code Galvanised	Metric Size	A	Approx Weight		Code	NB (mm)	A	B	Approx Weight
	WBBP080200	WGBP080200	80	200	1.51		WGHT015	15	79.5	13.5	0.08
	WBBP080250	WGBP080250	80	250	1.93		WGHT020	20	81.0	19.8	0.09
WBBP080300	WGBP080300	80	300	2.36	WGHT025		25	89.0	26.2	0.15	
WBBP080400	WGBP080400	80	400	3.20	WGHT032		32	95.0	32.5	0.25	
WBBP080450	WGBP080450	80	450	3.63	WGHT040		40	112.5	38.6	0.32	
	WGBP080465	80	465	3.75	WGHT050		50	124.0	51.3	0.39	
WBBP080500	WGBP080500	80	500	4.05	WGHT065		65	131.0	63.5	0.71	
WBBP080600	WGBP080600	80	600	4.90	WGHT080		80	163.0	80.0	1.36	
	WGBP080720	80	720	5.91	WGHT100		100	174.0	102.5	2.05	
WBBP100100	WGBP100100	100	100	0.92	WGHT150		150	182.0	155.0	2.61	
WBBP100130	WGBP100130	100	130	1.28							
WBBP100150	WGBP100150	100	150	1.52							
WBBP100200	WGBP100200	100	200	2.13							
WBBP100250	WGBP100250	100	250	2.73							
WBBP100300	WGBP100300	100	300	3.34							
WBBP100400	WGBP100400	100	400	4.55							
WBBP100450	WGBP100450	100	450	5.10							
	WGBP100465	100	465	5.34							
WBBP100500	WGBP100500	100	500	5.76							
WBBP100600	WGBP100600	100	600	6.97							
	WGBP100720	100	720	8.68							
	WGBP1001000	100	1000	11.50							
WBBP125200		125	200	3.58							
	WGBP125400	125	400	7.10							
	WGBP125465	125	465	7.85							
	WGBP125500	125	500	8.45							
	WGBP125600	125	600	9.31							
	WGBP125720	125	720	11.24							
	WGBP1251000	125	1000	16.76							
WBBP150150	WGBP150150	150	150	2.35							
	WGBP150465	150	465	9.30							
	WGBP150720	150	720	19.74							

THE SMARTER CHOICE.

FLANGES

SPECIFICATIONS

ANSI B16.5 – Pipe Flanges and Flanged Fittings (American)

AS2129 – Flanges for Pipes, Valves and Fittings (Australian)

BS4504 – Circular Flanges for Pipe, Valves and Fittings (PN designated) – (now BS EN1092) (European)

AS4087 – Metallic Flanges for Waterworks Purposes (Australian)

BS10 – Specification for Flanges and bolting for Pipes, Valves and Fittings (British)

**AS2129 is a replica of BS10 but is stated in mm rather than inches. In some sizes bolt holes are slightly larger to give better clearance

APPLICATION

Water Supply, Oil, Gas, Petrochemical, Irrigation, Fire Services, General Industry, Construction.

MARKING

All Flanges when possible will display a heat number, size, table, grade and dimensional standard.

PLATE STEEL FLANGES

Plate flanges are mainly used for light duty, lower pressure or non-critical applications, commonly referring to AS2129, BS10 or AS4087 standards. The manufacturing method involves cutting and machining from plate steel.

FORGED STEEL FLANGES

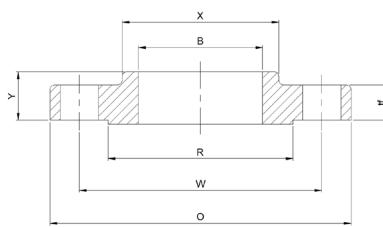
Forged Steel flanges are commonly used and specified in the Oil, Gas, Petrochemical and mining sectors, where pressure, temperature and safety considerations often specify the ANSI B16.5, ASME B16.47 or BS4504 standards. The manufacturing method involves the hot forging of suitable steels prior to final machining.

MATERIALS

Mild Carbon Steel, ASTM A105, BS4504 (DIN) flanges from PN6 TO PN40.

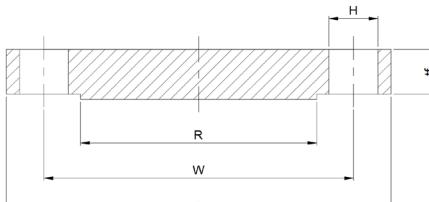
Asmuss can also offer a wide range of products on request.

ANSI CL150 RF Slip On Flange B16.5 A105N												
Code	Pipe Dimensions		Flange Dimensions				Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y				H	W	
FL150SO015S	15	21.3	90	22.2	9.6	14	30	34.9	4	15.9	60.3	0.44
FL150SO020S	20	26.7	100	27.7	11.2	14	38	42.9	4	15.9	69.9	0.63
FL150SO025S	25	33.4	110	34.5	12.7	16	49	50.8	4	15.9	79.4	0.78
FL150SO032S	32	42.2	115	43.2	14.3	19	59	63.5	4	15.9	88.9	1.03
FL150SO040S	40	48.3	125	49.5	15.9	21	65	73.0	4	15.9	98.4	1.42
FL150SO050S	50	60.3	150	61.9	17.5	24	78	92.1	4	19.1	120.7	2.06
FL150SO065S	65	73.0	180	74.6	20.7	27	90	104.8	4	19.1	139.7	3.28
FL150SO080S	80	88.9	190	90.7	22.3	29	108	127.0	4	19.1	152.4	3.85
FL150SO100S	100	114.3	230	116.1	22.3	32	135	157.2	8	19.1	190.5	5.3
FL150SO125S	125	141.3	255	143.8	22.3	35	164	185.7	8	22.2	215.9	6.07
FL150SO150S	150	168.3	280	170.7	23.9	38	192	215.9	8	22.2	241.3	7.45
FL150SO200S	200	219.1	345	221.5	27.0	43	246	269.9	8	22.2	298.5	12.1
FL150SO250S	250	273.0	405	276.2	28.6	48	305	323.8	12	25.4	362	16.5
FL150SO300S	300	323.8	485	327.0	30.2	54	365	381.0	12	25.4	431.8	26.2
FL150SO350S	350	355.6	535	359.2	33.4	56	400	412.8	12	28.6	476.3	34.6
FL150SO400S	400	406.4	595	410.5	35.0	62	457	469.9	16	28.6	539.8	44.8
FL150SO450S	450	457.2	635	461.8	38.1	67	505	533.4	16	31.8	577.9	52
FL150SO500S	500	508.0	700	513.1	41.3	71	559	584.2	20	31.8	635	61.9
FL150SO600S	600	609.6	815	616.0	46.1	81	663	692.2	20	35.0	749.3	86.9



FLANGES

ANSI CL150 Blind Flange B16.5 A105N									
Code	Pipe Dimensions		Flange Dimensions		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	R	n	H	W	
FL150BL015S	15	21.3	90	9.6	34.9	4	15.9	60.3	0.42
FL150BL020S	20	26.7	100	11.2	42.9	4	15.9	69.9	0.61
FL150BL025S	25	33.4	110	12.7	50.8	4	15.9	79.4	0.86
FL150BL032S	32	42.2	115	14.3	63.5	4	15.9	88.9	1.17
FL150BL040S	40	48.3	125	15.9	73.0	4	15.9	98.4	1.53
FL150BL050S	50	60.3	150	17.5	92.1	4	19.1	120.7	2.42
FL150BL065S	65	73.0	180	20.7	104.8	4	19.1	139.7	3.94
FL150BL080S	80	88.9	190	22.3	127.0	4	19.1	152.4	4.93
FL150BL100S	100	114.3	230	22.3	157.2	8	19.1	190.5	7.00
FL150BL125S	125	141.3	255	22.3	185.7	8	22.2	215.9	8.63
FL150BL150S	150	168.3	280	23.9	215.9	8	22.2	241.3	11.30
FL150BL200S	200	219.1	345	27.0	269.9	8	22.2	298.5	19.60
FL150BL250S	250	273.0	405	28.6	323.8	12	25.4	362.0	28.80
FL150BL300S	300	323.8	485	30.2	381.0	12	25.4	431.8	43.20
FL150BL350S	350	355.6	535	33.4	412.8	12	28.6	476.3	58.10
FL150BL400S	400	406.4	595	35.0	469.9	16	28.6	539.8	76.00
FL150BL450S	450	457.2	635	38.1	533.4	16	31.8	577.9	93.70
FL150BL500S	500	508.0	700	41.3	584.2	20	31.8	635.0	122.00
FL150BL600S	600	609.6	815	46.1	692.2	20	35.0	749.3	185.00

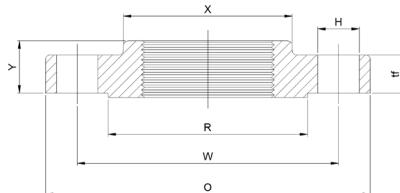



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FLANGES

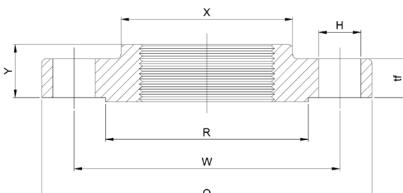
ANSI CL150 RF BSP Screwed Flange B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions			Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	Y				X	R	
FLSC150015S	15	21.3	90	9.6	14	30	34.9	4	15.9	60.3	0.45
FLSC150020S	20	26.7	100	11.2	14	38	42.9	4	15.9	69.9	0.68
FLSC150025S	25	33.4	110	12.7	16	49	50.8	4	15.9	79.4	0.89
FLSC150032S	32	42.2	115	14.3	19	59	63.5	4	15.9	88.9	1.13
FLSC150040S	40	48.3	125	15.9	21	65	73.0	4	15.9	98.4	1.36
FLSC150050S	50	60.3	150	17.5	24	78	92.1	4	19.1	120.7	2.26



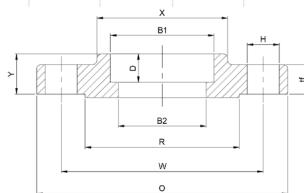
ANSI CL150 RF BSP Screwed Flange Galvanized B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions			Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	Y				X	R	
FLSC150G015S	15	21.3	90	9.6	14	30	34.9	4	15.9	60.3	0.45
FLSC150G020S	20	26.7	100	11.2	14	38	42.9	4	15.9	69.9	0.68
FLSC150G025S	25	33.4	110	12.7	16	49	50.8	4	15.9	79.4	0.89
FLSC150G032S	32	42.2	115	14.3	19	59	63.5	4	15.9	88.9	1.13
FLSC150G040S	40	48.3	125	15.9	21	65	73.0	4	15.9	98.4	1.36
FLSC150G050S	50	60.3	150	17.5	24	78	92.1	4	19.1	120.7	2.26



ANSI CL150 RF Socket Weld Flange B16.5 A105N

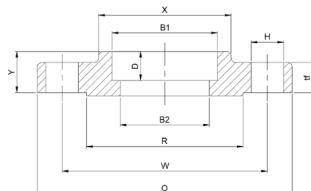
Code	Pipe Dimensions		Flange Dimensions						Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B1	B2	tf	D	Y				X	R	
FL150SW020S	20	26.7	100	27.7	20.9	11.2	11	14	38	42.9	4	15.9	69.9	0.71
FL150SW025S	25	33.4	110	34.5	26.6	12.7	13	16	49	50.8	4	15.9	79.4	0.81
FL150SW040S	40	48.3	125	49.5	40.9	15.9	16	21	65	73.0	4	15.9	98.4	1.36
FL150SW050S	50	60.6	150	61.9	52.5	17.5	17	24	78	92.1	4	19.1	120.7	2.10



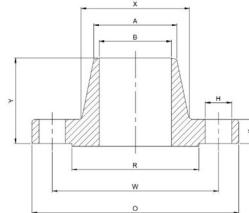
FLANGES

ANSI CL150 RF Socket Weld Flange B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions						Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B1	B2	tf	D	Y	X	R	N	H	W	
FL150SWX015S	15	21.3	90	22.2	13.8	9.6	10	14	30	34.9	4	15.9	60.3	0.42
FL150SWX020S	20	26.7	100	27.7	18.9	11.2	11	14	38	42.9	4	15.9	69.9	0.59
FL150SWX025S	25	33.4	110	34.5	24.2	12.7	13	16	49	50.8	4	15.9	79.4	0.81
FL150SWX032S	32	42.2	115	43.2	32.5	14.3	14	19	59	63.5	4	15.9	88.9	1.07
FL150SWX040S	40	48.3	125	49.5	38.2	15.9	16	21	65	73.0	4	15.9	98.4	1.36
FL150SWX050S	50	60.6	150	61.9	49.3	17.5	17	24	78	92.1	4	19.1	120.7	2.10


ANSI CL150 RF Weld Neck Flange B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions						Hub		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R	N	H	W	H	W	
FL150WN015S	15	21.3	90	15.8	9.6	46	21.3	30	34.9	4	15.9	60.3	0.48		
FL150WN020S	20	26.7	100	20.9	11.2	51	26.7	38	42.9	4	15.9	69.9	0.71		
FL150WN025S	25	33.4	110	26.6	12.7	54	33.4	49	50.8	4	15.9	79.4	1.01		
FL150WN032S	32	42.4	115	35.1	14.3	56	42.2	59	63.5	4	15.9	88.9	1.33		
FL150WN040S	40	48.3	125	40.9	15.9	60	48.3	65	73.0	4	15.9	98.4	1.72		
FL150WN050S	50	60.3	150	52.5	17.5	62	60.3	78	92.1	4	19.1	120.7	2.58		
FL150WN065S	65	73.0	180	62.7	20.7	68	73.0	90	104.8	4	19.1	139.7	4.11		
FL150WN080S	80	88.9	190	77.9	22.3	68	88.9	108	127.0	4	19.1	152.4	4.92		
FL150WN100S	100	114.3	230	102.3	22.3	75	114.3	135	157.2	8	19.1	190.5	6.84		
FL150WN125S	125	141.3	255	128.2	22.3	87	141.3	164	185.7	8	22.2	215.9	8.56		
FL150WN150S	150	168.3	280	154.1	23.9	87	168.3	192	215.9	8	22.2	241.3	10.60		
FL150WN200S	200	219.1	345	202.7	27.0	100	219.1	246	269.9	8	22.2	298.5	17.60		
FL150WN250S	250	273.0	405	254.6	28.6	100	273.0	305	323.8	12	25.4	362.0	24.00		
FL150WN300S	300	323.8	485	304.8	30.2	113	323.8	365	381.0	12	25.4	431.8	36.50		
FL150WN350S	350	355.6	535		33.4	125	355.6	400	412.8	12	28.6	476.3	48.40		
FL150WN400S	400	406.4	595		35.0	125	406.4	457	469.9	16	28.6	539.8	60.60		
FL150WN450S	450	457.2	635		38.1	138	457.0	505	533.4	16	31.8	577.9	68.30		
FL150WN500S	500	508.0	700		41.3	143	508.0	559	584.2	20	31.8	635.0	84.50		
FL150WN600S	600	609.6	815		46.1	151	610.0	663	692.2	20	35.0	749.3	115.00		

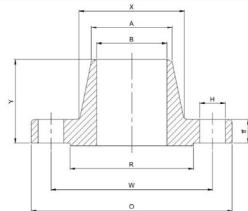


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FLANGES

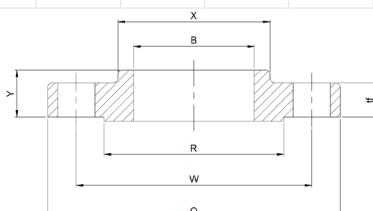
ANSI CL150 RF Weld Neck Flange B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions				Hub		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R	N	H	W	
FL150WNX020S	20	26.7	100	18.9	11.2	51	26.7	38	42.9	4	15.9	69.9	0.87
FL150WNX025S	25	33.4	110	24.2	12.7	54	33.4	49	50.8	4	15.9	79.4	1.01
FL150WNX032S	32	42.4	115	32.5	14.3	56	42.2	59	63.5	4	15.9	88.9	1.33
FL150WNX040S	40	48.3	125	38.2	15.9	60	48.3	65	73.0	4	15.9	98.4	1.72
FL150WNX050S	50	60.3	150	49.3	17.5	62	60.3	78	92.1	4	19.1	120.7	2.58
FL150WNX065S	65	73.0	180	59	20.7	68	73.0	90	104.8	4	19.1	139.7	4.11
FL150WNX080S	80	88.9	190	73.7	22.3	68	88.9	108	127.0	4	19.1	152.4	4.92
FL150WNX100S	100	114.3	230	97.2	22.3	75	114.3	135	157.2	8	19.1	190.5	6.84
FL150WNX150S	150	168.3	280	146.4	23.9	87	168.3	192	215.9	8	22.2	241.3	10.60
FL150WNX200S	200	219.1	345	193.7	27.0	100	219.1	246	269.9	8	22.2	298.5	17.60
FL150WNX250S	250	273.0	405	247.7	28.6	100	273.0	305	323.8	12	25.4	362.0	24.00
FL150WNX300S	300	323.8	485	298.5	30.2	113	323.8	365	381.0	12	25.4	431.8	36.50



ANSI CL300 RF Slip On Flange B16.5 A105N

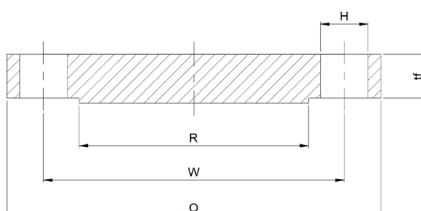
Code	Pipe Dimensions		Flange Dimensions				Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	X	R	N	H	W	
FL300SO015S	15	21.3	95	22.2	12.7	21	38	34.9	4	15.9	66.7	0.64
FL300SO020S	20	26.7	115	27.7	14.3	24	48	42.9	4	19.1	82.6	1.12
FL300SO025S	25	33.4	125	34.5	15.9	25	54	50.8	4	19.1	88.9	1.36
FL300SO032S	32	42.2	135	43.2	17.5	25	64	63.5	4	19.1	98.4	1.68
FL300SO040S	40	48.3	155	49.5	19.1	29	70	73.0	4	22.2	114.3	2.49
FL300SO050S	50	60.3	165	61.9	20.7	32	84	92.1	8	19.1	127.0	2.87
FL300SO065S	65	73.0	190	74.6	23.9	37	100	104.8	8	22.2	149.2	4.32
FL300SO080S	80	88.9	210	90.7	27.0	41	117	127.0	8	22.2	168.3	5.85
FL300SO100S	100	114.3	255	116.1	30.2	46	146	157.2	8	22.2	200.0	9.61
FL300SO125S	125	141.3	280	143.8	33.4	49	178	185.7	8	22.2	235.0	12.30
FL300SO150S	150	168.3	320	170.7	35.0	51	206	215.9	12	22.2	269.9	15.60
FL300SO200S	200	219.1	380	221.5	39.7	60	260	269.9	12	25.4	330.2	24.20
FL300SO250S	250	273.0	445	276.2	46.1	65	321	323.8	16	28.6	387.4	34.10
FL300SO300S	300	323.8	520	372.0	49.3	71	375	381.0	16	31.8	450.8	49.80



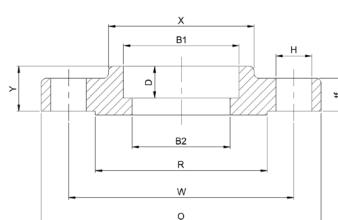
FLANGES

ANSI CL300 Blind Flange B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions		Di-	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf				R	N	
FL300BL015S	15	21.3	95	12.7	34.9	4	15.9	66.7	0.64	
FL300BL020S	20	26.7	115	14.3	42.9	4	19.1	82.6	1.11	
FL300BL025S	25	33.4	125	15.9	50.8	4	19.1	88.9	1.39	
FL300BL032S	32	42.2	135	17.5	63.5	4	19.1	98.4	1.79	
FL300BL040S	40	48.3	155	19.1	73.0	4	22.2	114.3	2.66	
FL300BL050S	50	60.3	165	20.7	92.1	8	19.1	127.0	3.18	
FL300BL065S	65	73.0	190	23.9	104.8	8	22.2	149.2	4.85	
FL300BL080S	80	88.9	210	27.0	127.0	8	22.2	168.3	6.81	
FL300BL100S	100	114.3	255	30.2	157.2	8	22.2	200.0	11.50	
FL300BL125S	125	141.3	280	33.4	185.7	8	22.2	235.0	15.60	
FL300BL150S	150	168.3	320	35.0	215.9	12	22.2	269.9	20.90	
FL300BL200S	200	219.1	380	39.7	269.9	12	25.4	330.2	34.30	
FL300BL250S	250	273.0	445	46.1	323.8	16	28.6	387.4	54.98	
FL300BL300S	300	323.8	520	49.3	381.0	16	31.8	450.8	78.80	
FL300BL350S	350	355.6	585	52.4	412.8	20	31.8	514.4	113.60	
FL300BL400S	400	406.4	650	55.6	469.9	20	34.9	571.5	137.00	
FL300BL450S	450	457.2	710	58.8	533.4	24	34.9	628.6	179.50	
FL300BL500S	500	508.0	775	62	584.2	24	34.9	685.8	229.50	
FL300BL600S	600	609.6	915	68.3	692.2	24	41.3	812.8	359.10	


ANSI CL300 RF Socket Weld Flange B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions						Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B1	B2	D	tf	Y				X	R	N
FL300SW025S	25	33.4	125	34.5	26.6	13	15.9	25	54	50.8	4	19.1	88.9	1.40
FL300SW032S	32	42.2	135	43.2	35.1	14	17.5	25	64	63.5	4	19.1	98.4	1.75
FL300SW050S	50	60.3	165	61.9	52.5	17	20.7	32	84	92.1	8	19.1	127.0	3.07

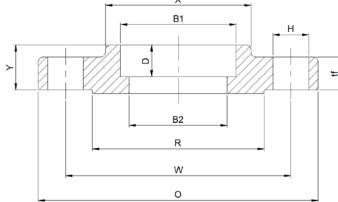


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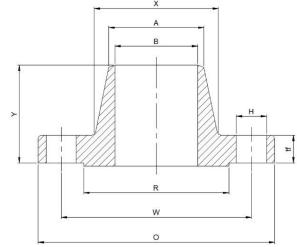
ANSI CL300 RF Socket Weld Flange B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions						Hub	Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B1	B2	D	tf	Y				X	R	N
FL300SWX015S	15	21.3	95	22.2	13.8	10	12.7	21	38	34.9	4	15.9	66.7	0.73
FL300SWX020S	20	26.7	115	27.7	18.9	11	14.3	24	48	42.9	4	19.1	82.6	1.13
FL300SWX025S	25	33.4	125	34.5	24.2	13	15.9	25	54	50.8	4	19.1	88.9	1.40
FL300SWX032S	32	42.2	135	43.2	32.5	14	17.5	25	64	63.5	4	19.1	98.4	1.75
FL300SWX040S	40	48.3	155	49.5	38.2	16	19.1	29	70	73.0	4	22.2	114.3	2.55
FL300SWX050S	50	60.3	165	61.9	49.3	17	20.7	32	84	92.1	8	19.1	127.0	3.13



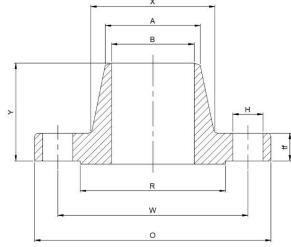

ANSI CL300 RF Weld Neck Flange B16.5 A105N

Code	Pipe Dimensions		Flange Dimensions					Neck		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R			H	W	
FL300WN025S	25	33.4	125	26.6	15.9	60	33.4	54	50.8	4	19.1	88.9	1.52	
FL300WN032S	32	42.2	135	35.1	17.5	64	42.2	64	63.5	4	19	98.4	2.03	
FL300WN040S	40	48.3	155	40.9	19.1	67	48.3	70	73.0	4	22.2	114.3	2.89	
FL300WN050S	50	60.3	165	52.5	20.7	68	60.3	84	92.1	8	19.1	127.0	3.40	
FL300WN065S	65	73.0	190	62.7	23.9	75	73.0	100	104.8	8	22.2	149.2	5.20	
FL300WN080S	80	88.9	210	77.9	27.0	78	88.9	117	127.0	8	22.2	168.3	6.93	
FL300WN100S	100	114.3	255	102.3	30.2	84	114.3	146	157.2	8	22.2	200.0	11.20	
FL300WN150S	150	168.3	320	154.1	35.0	97	168.3	206	215.9	12	22.2	269.9	19.10	
FL300WN200S	200	219.1	380	202.7	39.7	110	219.1	260	269.9	12	25.4	330.2	29.90	
FL300WN250S	250	273.0	445	254.6	46.1	116	273.0	321	323.8	16	28.6	387.4	42.70	
FL300WN300S	300	323.8	520	304.8	49.3	129	323.8	375	381.0	16	31.8	450.8	61.80	
FL300WN350S	350	355.6	585		52.4	141	355.6	425	412.8	20	31.8	514.4	85.80	




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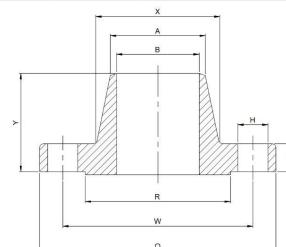
ANSI CL300 RF WELD Neck Flange B16.5 A105N													
Code	Pipe Dimensions		Flange Dimensions				Neck		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	B	tf	Y	A	X	R	N	H	W	
FL300WNX015S	15	21.3	95	13.8	12.7	51	21.3	38	34.9	4	15.9	66.7	0.64
FL300WNX020S	20	26.7	115	18.9	14.3	56	26.7	48	42.9	4	19.1	82.6	1.12
FL300WNX025S	25	33.4	125	24.2	15.9	60	33.4	54	50.8	4	19.1	88.9	1.36
FL300WNX032S	32	42.2	135	32.5	17.5	64	42.2	64	63.5	4	19.1	98.4	1.68
FL300WNX040S	40	48.3	155	38.2	19.1	67	48.3	70	73.0	4	22.2	114.3	2.49
FL300WNX050S	50	60.3	165	49.3	20.7	68	60.3	84	92.1	8	19.1	127.0	2.87
FL300WNX065S	65	73.0	190	59.0	23.9	75	73.0	100	104.8	8	22.2	149.2	4.32
FL300WNX080S	80	88.9	210	73.7	27.0	78	88.9	117	127.0	8	22.2	168.3	5.85
FL300WNX100S	100	114.3	255	97.2	30.2	84	114.3	146	157.2	8	22.2	200.0	9.61
FL300WNX125S	125	141.3	280	122.3	33.4	97	141.3	178	185.7	8	22.2	235.0	12.30
FL300WNX150S	150	168.3	320	146.4	35.0	97	168.3	206	215.9	12	22.2	269.9	15.60
FL300WNX200S	200	219.1	380	193.7	39.7	110	219.1	260	269.9	12	25.4	330.2	24.20
FL300WNX250S	250	273.0	445	247.7	46.1	116	273.0	321	323.8	16	28.6	387.4	34.10
FL300WNX300S	300	323.8	520	298.5	49.3	129	323.8	375	381.0	16	31.8	450.8	49.80
FL300WNX350S	350	355.6	585		52.4	141	355.6	425	412.8	20	31.8	514.4	84.37
FL300WNX400S	400	406.4	650		55.6	144	406.4	483	469.9	20	35.0	571.5	113.00
FL300WNX450S	450	457.2	710		58.8	157	457.0	533	533.4	24	35.0	628.6	140.00
FL300WNX500S	500	508.0	775		62.0	160	508.0	587	584.2	24	35.0	685.6	178.00
FL300WNX600S	600	609.6	915		68.3	167	610.0	702	692.2	24	41.3	812.8	250.00



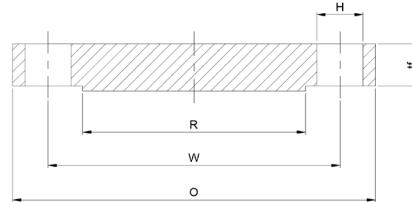

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ANSI CL600 RF Weld Neck Flange B16.5 A105N												
Code	Pipe Dimensions		Flange Dimensions			Neck		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	Y	A	X	R	N	H	W	
FL600WNX015S	15	21.3	95	14.3	52	21.3	38	34.9	4	15.9	66.7	0.94
FL600WNX020S	20	26.7	115	15.9	57	26.7	48	42.9	4	19.1	82.6	1.59
FL600WNX025S	25	33.4	125	17.5	62	33.4	54	50.8	4	19.1	88.9	1.76
FL600WNX040S	40	48.3	155	22.3	70	48.3	70	73.0	4	22.2	114.3	3.49
FL600WNX050S	50	60.3	165	25.4	73	60.5	84	92.1	8	19.1	127.0	4.36
FL600WNX065S	65	73.0	190	28.6	79	73.0	100	104.8	8	22.2	149.2	6.43
FL600WNX080S	80	88.9	210	31.8	83	88.9	117	127.0	8	22.2	168.3	8.53
FL600WNX100S	100	114.3	275	38.1	102	114.3	152	157.2	8	25.4	215.9	17.40
FL600WNX150S	150	168.3	355	47.7	117	168.3	222	215.9	12	28.6	292.1	34.90
FL600WNX200S	200	219.1	420	55.6	133	219.1	273	269.9	12	31.8	349.2	53.90
FL600WNX250S	250	273.0	510	63.5	152	273.0	343	323.8	16	35.0	431.8	86.50
FL600WNX300S	300	323.8	560	66.7	156	323.8	400	381.0	20	35.0	489.0	103.00

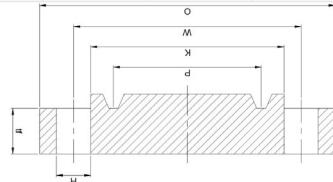



Code	Pipe Dimensions		Flange Dimensions		Raised Face	Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	R	N	H	W	
FL600BL015S	15	21.3	95	14.3	34.9	4	15.9	66.7	0.70
FL600BL020S	20	26.7	115	15.9	42.9	4	19.1	82.6	1.50
FL600BL025S	25	33.4	125	17.5	50.8	4	19.1	88.9	1.60
FL600BL040S	40	48.3	155	22.3	73.0	4	22.2	114.3	3.25
FL600BL050S	50	60.3	165	25.4	92.1	8	19.1	127.0	4.15
FL600BL065S	65	73.0	190	28.6	104.8	8	22.2	149.2	6.13
FL600BL080S	80	88.9	210	31.8	127.0	8	22.2	168.3	8.44
FL600BL100S	100	114.3	275	38.1	157.2	8	25.4	215.9	17.30
FL600BL150S	150	168.3	355	47.7	215.9	12	28.6	292.1	36.10
FL600BL200S	200	219.1	420	55.6	269.9	12	31.8	349.2	58.90
FL600BL250S	250	273.0	510	63.5	323.8	16	35.0	431.8	98.00

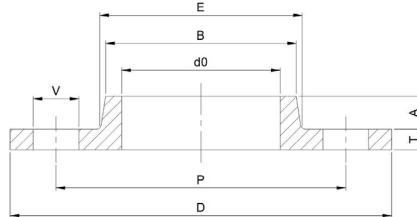



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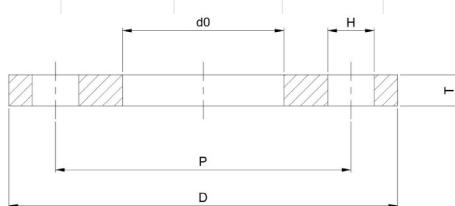
Code	Pipe Dimensions		Flange Dimensions		Raised Face		Number Holes	Drilling Template		Approx Weight
	NB	OD	O	tf	K	P		N	H	
FL600BLRTJ050S	50	60.3	165	25.4	108	82.6	8	19.1	127.0	4.15
FL600BLRTJ080S	80	88.9	210	31.8	146	123.8	8	22.2	168.3	8.44
FL600BLRTJ100S	100	114.3	275	38.1	175	149.2	8	25.4	215.9	17.30
FL600BLRTJ150S	150	168.3	355	47.7	241	211.1	12	28.6	292.1	36.10
FL600BLRTJ200S	200	219.1	420	55.6	302	269.9	12	31.8	349.2	58.90
FL600BLRTJ250S	250	273.0	510	63.5	356	323.9	16	35.0	431.8	97.50
FL600BLRTJ300S	300	323.8	560	66.7	413	381.0	20	35.0	489.0	124.00



Code	Pipe Dimensions		Flange Dimensions						Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	A	B	E		V	P	
FLTDSO100	100	114.3	215	116.5	10	19	133	140	4	18	178	2.63
FLTDSO125	125	139.7	255	142.5	13	19	160	171	8	18	210	4.15
FLTDSO150	150	165.1	280	168.0	13	19	186	197	8	18	235	4.95
FLTDSO200	200	219.1	335	222.1	13	22	241	254	8	18	292	6.76
FLTDSO250	250	273.0	405	275.5	16	27	298	310	8	22	356	11.78
FLTDSO300	300	323.9	455	326.8	19	29	349	360	12	22	406	15.10



Code	Pipe Dimensions		Flange Dimensions				Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	N	H	P		
FLTDSO080P	80	88.9	185	90.9	12	4	18	146	1.96	
FLTDSO100P	100	114.3	215	116.5	12	4	18	178	2.44	
FLTDSO150P	150	165.1	280	168.0	13	8	18	235	3.94	
FLTDSO250P	250	273.0	405	275.5	16	8	22	356	8.81	

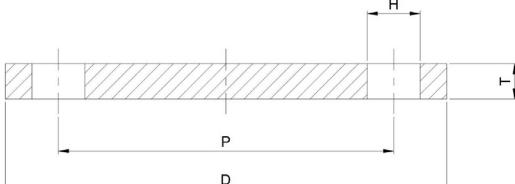


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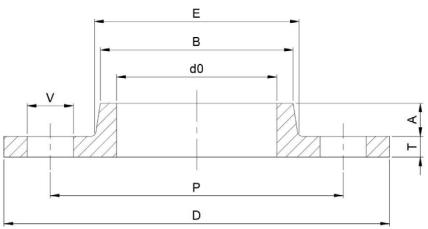
Blind Flange AS2129 - Table D

Code	Pipe Dimensions		Flange Dimensions		Number Holes	Drilling		Approx Weight
	NB	OD	D	T		N	H	
FLTDBL100	100	114.3	215	12	4	18	178	3.45
FLTDBL150	150	165.1	280	13	8	18	235	6.27
FLTDBL200	200	219.1	335	13	8	18	292	6.67
FLTDBL250	250	273.0	405	16	8	22	356	16.14
FLTDBL300	300	323.9	455	19	12	22	406	24.45



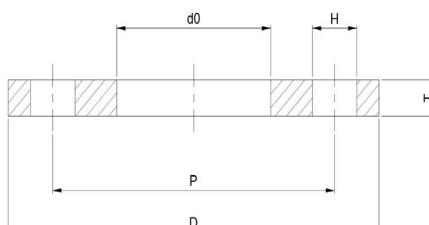

Slip On Forged Flat Face Flange As2129 - Table E

Code	Pipe Dimensions		Flange Dimensions						Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	A	B	E		N	V	
FLTESO015	15	21.3	95	23.1	6	10	33	38	4	14	67	0.40
FLTESO020	20	26.9	100	28.7	6	11	38	44	4	14	73	0.37
FLTESO025	25	33.7	115	35.4	7	11	48	52	4	14	83	0.60
FLTESO032	32	42.4	120	44.5	8	11	56	58	4	14	87	0.70
FLTESO040	40	48.3	135	50.3	9	13	62	70	4	14	98	1.05
FLTESO050	50	60.3	150	62.3	10	13	75	79	4	18	114	1.31
FLTESO065	65	76.1	165	78.2	10	16	90	93	4	18	127	1.55
FLTESO080	80	88.9	185	90.9	11	16	106	112	4	18	146	2.15
FLTESO100	100	114.3	215	116.5	13	19	133	140	8	18	178	3.31
FLTESO125	125	139.7	255	142.5	14	19	160	171	8	18	210	4.75
FLTESO150	150	165.1	280	168.0	17	19	186	191	8	22	235	6.00
FLTESO150-172 ID	150	168.3	280	172.0	17	19	186	191	8	22	235	5.80
FLTESO200	200	219.1	335	222.1	19	22	241	249	8	22	292	8.74
FLTESO250	250	273.0	405	275.5	22	27	298	310	12	22	356	14.05
FLTESO300	300	323.9	455	326.8	25	29	349	354	12	26	406	17.83




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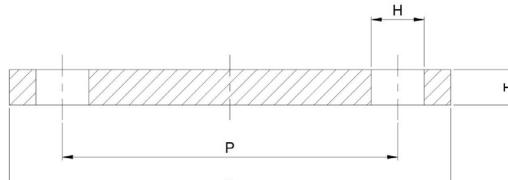
Slip On Plate Flange AS2129 (Table E)									
Code	Pipe Dimensions		Flange Dimensions			Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T		H	P	
FLTESO015P	15	21.3	95	23.1	12	4	14	67	0.34
FLTESO050P	50	60.3	150	62.3	12	4	18	114	1.34
FLTESO065P	65	76.1	165	78.2	12	4	18	127	1.57
FLTESO080P	80	88.9	185	90.9	12	4	18	146	1.85
FLTESO100P	100	114.3	215	116.5	13	8	18	178	2.52
FLTESO125P	125	139.7	255	142.5	14	8	18	210	3.72
FLTESO150P	150	165.1	280	168.0	17	8	22	235	5.02
FLTESO150P-172 ID	150	168.3	280	172.0	17	8	22	235	4.85
FLTESO200P	200	219.1	335	222.1	19	8	22	292	6.96
FLTESO250P	250	273.0	405	275.5	22	12	22	356	11.46
FLTESO300P	300	323.9	455	326.8	25	12	26	406	14.78
FLTESO350P	350	355.6	525	358.6	29	12	26	470	25.73
FLTESO400P	400	406.4	580	410.4	32	12	26	521	32.05
FLTESO450P	450	457.2	640	461.2	35	16	26	584	40.50
FLTESO500P	500	508.0	705	512.0	38	16	26	641	53.24
FLTESO550P	550	558.8	760		44	16	30	699	67.50
FLTESO600P	600	609.6	825	613.6	48	16	33	756	85.50
FLTESO700P	700	711.2	910		51	20	33	845	94.50




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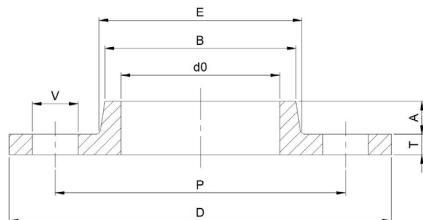
Blind Flange AS2129 - Table E								
Code	Pipe Dimensions		Flange Dimensions		Number Holes	Drilling		Approx Weight
	NB	OD	D	T		H	P	
FLTEBL015	15	21.3	95	12	4	14	67	0.65
FLTEBL020	20	26.9	100	12	4	14	73	0.73
FLTEBL025	25	33.7	115	12	4	14	83	0.98
FLTEBL032	32	42.4	120	12	4	14	87	1.05
FLTEBL040	40	48.3	135	12	4	14	98	1.32
FLTEBL050	50	60.3	150	12	4	18	114	1.63
FLTEBL065	65	76.1	165	12	4	18	127	2.02
FLTEBL080	80	88.9	185	12	4	18	146	2.45
FLTEBL100	100	114.3	215	13	8	18	178	3.60
FLTEBL125	125	139.7	255	14	8	18	210	5.52
FLTEBL150	150	165.1	280	17	8	22	235	8.00
FLTEBL200	200	219.1	335	19	8	22	292	13.15
FLTEBL250	250	273.0	405	22	12	22	356	21.85
FLTEBL300	300	323.9	455	25	12	26	406	31.38
FLTEBL350	350	355.6	525	29	12	26	470	48.98
FLTEBL400	400	406.4	580	32	12	26	521	65.34
FLTEBL450	450	457.2	640	35	16	26	584	86.90
FLTEBL500	500	508.0	705	38	16	26	641	114.50
FLTEBL600	600	609.6	825	48	16	33	756	




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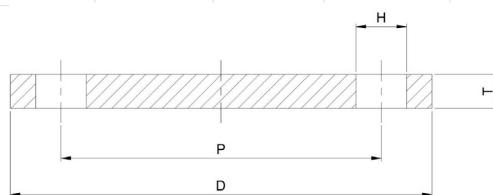
Slip On Forged Flat Face Flange As2129 - Table H

Code	Pipe Dimensions		Flange Dimensions						Number Holes	Drilling		Approx Weight
	NB	OD	D	d0	T	A	B	E		V	P	
FLTHSO015	15	21.3	115	23.1	13	10	33	48	4	18	83	1.04
FLTHSO020	20	26.9	115	28.7	13	11	38	48	4	18	83	1.00
FLTHSO025	25	33.7	120	35.4	14	11	48	52	4	18	87	1.16
FLTHSO032	32	42.4	135	44.5	17	11	56	64	4	18	98	1.73
FLTHSO040	40	48.3	140	50.3	17	13	62	70	4	18	105	1.85
FLTHSO050	50	60.3	165	62.3	19	13	75	93	4	18	127	2.80
FLTHSO065	65	76.1	185	78.2	19	16	90	112	8	18	146	3.45
FLTHSO080	80	88.9	205	90.9	22	16	106	130	8	18	165	4.90
FLTHSO100	100	114.3	230	116.5	25	19	133	152	8	18	191	6.67
FLTHSO125	125	139.7	280	142.5	29	19	160	191	8	22	235	11.20
FLTHSO150	150	165.1	305	168.0	29	19	186	216	12	22	260	12.00
FLTHSO200	200	219.1	370	222.1	32	22	241	279	12	22	324	18.95
FLTHSO250	250	273.0	430	275.5	35	27	298	329	12	26	381	25.80
FLTHSO300	300	323.9	490	326.8	41	29	349	386	16	26	438	36.50



Blind Flange AS2129 - Table H

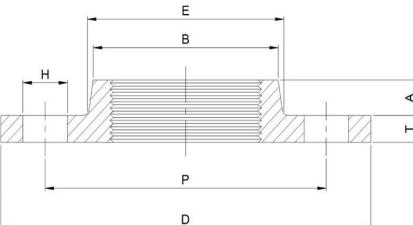
Code	Pipe Dimensions		Flange Dimensions			Number Holes	Drilling		Approx Weight
	NB	OD	D	T	N		H	P	
FLTHBL015	15	21.3	115	13	4	18	83		0.99
FLTHBL020	20	26.9	115	13	4	18	83		1.00
FLTHBL025	25	33.7	120	14	4	18	87		1.18
FLTHBL032	32	42.4	135	17	4	18	98		1.95
FLTHBL040	40	48.3	140	17	4	18	105		2.10
FLTHBL050	50	60.3	165	19	4	18	127		3.09
FLTHBL065	65	76.1	185	19	8	18	146		3.76
FLTHBL080	80	88.9	205	22	8	18	165		5.53
FLTHBL100	100	114.3	230	25	8	18	191		8.02
FLTHBL125	125	139.7	280	29	8	22	235		13.45
FLTHBL150	150	165.1	305	29	12	22	260		15.77
FLTHBL200	200	219.1	370	32	12	22	325		26.20



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FLANGES

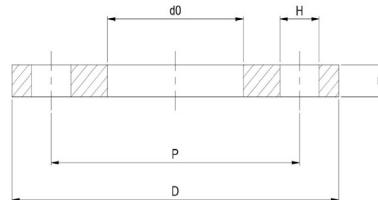
Threaded BSP Flat Face Flange AS2129 (Table E)											
Code	Pipe Dimensions		Flange Dimensions					Number Holes	Drilling		Approx Weight
	NB	OD	D	T	A	B	E		H	P	
FLSCTE015	15	21.3	95	6	10	33	38	4	14	67	0.37
FLSCTE020	20	26.9	100	6	11	38	44	4	14	73	0.40
FLSCTE025	25	33.7	115	7	11	48	52	4	14	83	0.65
FLSCTE032	32	42.4	120	8	11	56	58	4	14	87	0.74
FLSCTE040	40	48.3	135	9	13	62	70	4	14	98	1.02
FLSCTE050	50	60.3	150	10	13	75	79	4	18	114	1.36
FLSCTE065	65	76.1	165	10	16	90	93	4	18	127	1.57
FLSCTE080	80	88.9	185	11	16	106	112	4	18	146	2.35
FLSCTE100	100	114.3	215	13	19	133	140	8	18	178	3.45
FLSCTE125	125	139.7	255	14	19	160	171	8	18	210	5.03
FLSCTE150	150	165.1	280	17	19	186	191	8	22	235	6.51




FLANGES

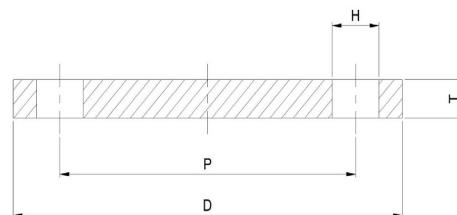
Slip On Plate Flange AS/NZS4087 PN16 fig. B7

Code	Pipe Dimensions		Flange Dimensions			Number Holes	Drilling		Approx Weight
	NB	OD	D	dO	T		H	P	
FLAS4087100P	100	114.3	215	116.5	13	4	18	178	2.64
FLAS4087150P	150	168.3	280	172.0	13	8	18	235	3.94
FLAS4087200P	200	219.1	335	222.1	19	8	18	292	7.09
FLAS4087250P	250	273.0	405	275.5	19	8	22	356	9.30
FLAS4087300P	300	323.9	455	326.8	23	12	22	406	13.67
FLAS4087350P	350	355.6	525	358.6	30	12	26	470	25.70
FLAS4087375P 411 ID	375	406.4	550	410.4	30	12	26	495	24.30
FLAS4087400P	400	406.4	580	410.4	30	12	26	521	30.70
FLAS4087450P	450	457.2	640	461.2	30	12	26	584	35.30
FLAS4087500P	500	508.0	705	512.0	38	12	26	641	54.14
FLAS4087600P	600	609.6	825	613.6	48	16	30	756	87.14



Blind Flange AS/NZS4087 PN16 fig. B7

Code	Pipe Dimensions		Flange Dimensions		Number Holes	Drilling		Approx Weight
	NB	OD	D	T		H	P	
FLAS4087BL100	100	114.3	215	13	4	18	178	3.60
FLAS4087BL150	150	168.3	280	13	8	18	235	6.10
FLAS4087BL200	200	219.1	335	19	8	18	292	13.00
FLAS4087BL250	250	273.0	405	19	8	22	356	18.90
FLAS4087BL300	300	323.9	455	23	12	22	406	29.10
FLAS4087BL375	375	406.4	550	30	12	26	495	54.60
FLAS4087BL450	450	457.2	640	30	12	26	584	76.10
FLAS4087BL500	500	508.0	705	38	16	26	641	114.00
FLAS4087BL600	600	609.6	825	48	16	30	756	198.00

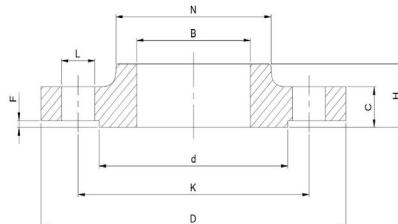


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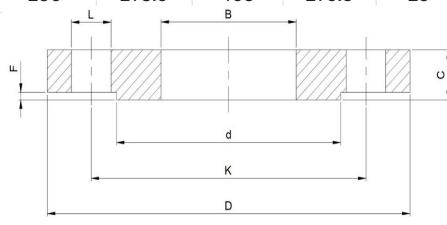
PN16 Slip On RF Flange EN1092-1 Type 12 A105N

Code	Pipe Dimensions		Flange Dimensions					Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	B	C	N	H	d	F	N	L	K	
FL16SO015	15	21.3	95	22.0	16	35	22	45	2	4	14	65	0.66
FL16SO020	20	26.9	105	27.5	18	45	26	58	2	4	14	75	0.95
FL16SO025	25	33.7	115	34.5	18	52	28	68	2	4	14	85	1.14
FL16SO032	32	42.4	140	43.5	18	60	30	78	2	4	18	100	1.69
FL16SO040	40	48.3	150	49.5	18	70	32	88	3	4	18	110	1.86
FL16SO050	50	60.3	165	61.5	18	84	28	102	3	4	18	125	2.53
FL16SO065	65	76.1	185	77.5	18	104	32	122	3	8	18	145	3.06
FL16SO080	80	88.9	200	90.5	20	118	34	138	3	8	18	160	3.70
FL16SO100	100	114.3	220	116.0	20	140	40	158	3	8	18	180	4.62
FL16SO125	125	139.7	250	141.5	22	168	44	188	3	8	18	210	6.30
FL16SO150	150	168.3	285	170.5	22	195	44	212	3	8	22	250	7.75
FL16SO200	200	219.1	340	221.5	24	246	44	268	3	12	22	295	11.30
FL16SO250	250	273.0	405	276.5	26	298	46	320	3	12	26	355	15.60
FL16SO300	300	323.9	460	327.5	28	350	46	378	4	12	26	410	22.00
FL16SO350	350	355.6	520	359.0	30	400	57	438	4	16	26	470	31.20



PN16 Slip On RF Flange EN1092-1 Type 01 A105N

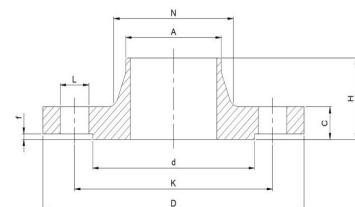
Code	Pipe Dimensions		Flange Dimensions					Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	B	C	d	F	N	L	K			
FL16SO040P	40	48.3	150	49.5	18	88	3	4	18	110	1.60		
FL16SO080P	80	88.9	200	90.5	20	138	3	8	18	160	3.30		
FL16SO100P	100	114.3	220	116.0	22	158	3	8	18	180	4.06		
FL16SO125P	125	139.7	250	141.5	22	188	3	8	18	210	5.00		
FL16SO200P	200	219.1	340	221.5	26	268	3	12	22	295			
FL16SO250P	250	273.0	405	276.5	29	320	3	12	26	355	12.00		



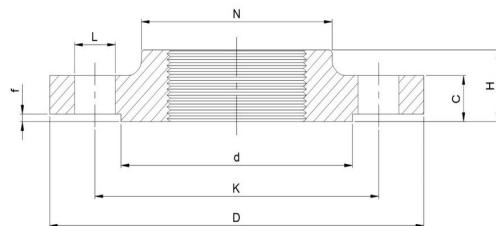
FLANGES

PN16 Weld Neck RF Flange EN1092-1 Type 11 A105N

Code	Pipe Dimensions		Flange Dimensions		Raised Face		Neck			Number Holes	Drilling		Approx Weight
	NB	OD	D	C	d	f	N	A	H		N	L	K
FL16WN025	25	33.7	115	18	68	2	46	33.7	40	4	14	85	1.14
FL16WN032	32	42.4	140	18	78	2	56	42.4	42	4	18	100	1.69
FL16WN040	40	48.3	150	18	88	3	64	48.3	45	4	18	110	1.86
FL16WN050	50	60.3	165	18	102	3	74	60.3	45	4	18	125	2.53
FL16WN065	65	76.1	185	18	122	3	92	76.1	45	8	18	145	3.06
FL16WN080	80	88.9	200	20	138	3	105	88.9	50	8	18	160	3.70
FL16WN100	100	114.3	220	20	158	3	131	114.3	52	8	18	180	4.62
FL16WN125	125	139.7	250	22	188	3	156	139.7	55	8	18	210	6.30
FL16WN150	150	168.3	285	22	212	3	184	168.3	55	8	22	250	7.75
FL16WN200	200	219.1	340	24	268	3	235	219.1	62	12	22	295	11.30


PN16 Galvanised Threaded BSP Flange EN 1092-1 Type 13 A105N

Code	Pipe Dimensions		Flange Dimensions				Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	C	N	H	d	F		N	L	K
FLSC16G040	40	48.3	150	18	70	32	88	3	4	18	110	1.78
FLSC16G050	50	60.3	165	18	84	28	102	3	4	18	125	2.43
FLSC16G065	65	76.1	185	18	104	32	122	3	8	18	145	3.18
FLSC16G080	80	88.9	200	20	118	34	138	3	8	18	160	4.12
FLSC16G100	100	114.3	220	20	140	40	158	3	8	18	180	4.62

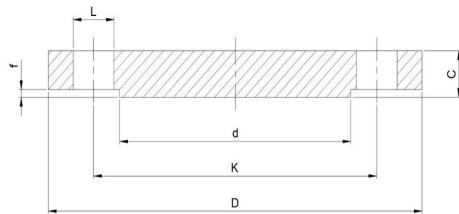


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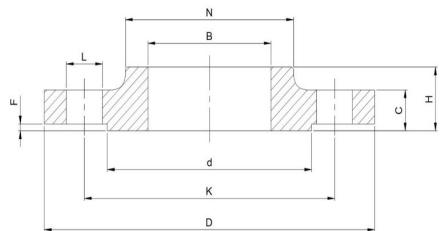
PN16 Blank Flange EN 1092-1 Type 05 A105N

Code	Pipe Dimensions		Flange Dimensions		Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	C	d	F		N	L	
FL16BL025	25	33.7	115	18	68	2	4	14	85	1.20
FL16BL032	32	42.4	140	18	78	2	4	18	100	1.80
FL16BL040	40	48.3	150	18	88	3	4	18	110	2.10
FL16BL050	50	60.3	165	18	102	3	4	18	125	2.90
FL16BL065	65	76.1	185	18	122	3	8	18	145	3.60
FL16BL080	80	88.9	200	20	138	3	8	18	160	4.60
FL16BL100	100	114.3	220	20	158	3	8	18	180	5.60
FL16BL150	150	168.3	285	22	212	3	8	22	250	10.50
FL16BL200	200	219.1	340	24	268	3	12	22	295	16.00
FL16BL250	250	273.0	405	26	320	3	12	26	355	25.00
FL16BL300	300	323.9	460	28	378	4	12	26	410	

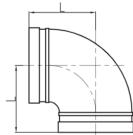


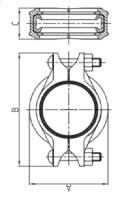
PN40 Slip On RF Flange EN1092-1 Type 12 A105N

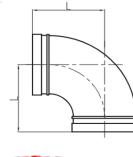
Code	Pipe Dimensions		Flange Dimensions					Raised Face		Number Holes	Drilling		Approx Weight
	NB	OD	D	B	C	N	H	d	F		N	L	
FL40SO025	25	33.7	115	34.5	18	52	28	68	2	4	14	85	1.29
FL40SO032	32	42.4	140	43.5	18	60	30	78	2	4	18	100	1.88
FL40SO040	40	48.3	150	49.5	18	70	32	88	3	4	18	110	2.33
FL40SO050	50	60.3	165	61.5	20	84	34	102	3	4	18	125	2.82
FL40SO065	65	76.1	185	77.5	22	104	38	122	3	8	18	145	3.74
FL40SO080	80	88.9	200	90.5	24	118	40	138	3	8	18	160	4.75
FL40SO100	100	114.3	235	116	24	145	44	162	3	8	22	190	6.52
FL40SO150	150	168.3	300	170.5	28	200	52	218	3	8	26	250	11.80
FL40SO200	200	219.1	375	221.5	34	260	52	285	3	12	30	320	21.50

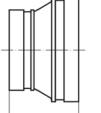


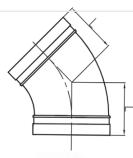
ROLL GROOVE FITTINGS

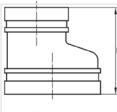
Roll Groove Short Radius Elbow 90°					
	Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
	RGE050S	RGEG050S	50	70	0.62
	RGE065S	RGEG065S	65	76	1.00
	RGE080S	RGEG080S	80	85.5	1.39
	RGE100S	RGEG100S	100	101	1.95
	RGE150S	RGEG150S	150	140	4.90
	RGE200S	RGEG200S	200	165	7.70

Roll Groove Angle Rigid Coupling								
	Code Painted	Code Galvanised	NB (mm)	A	B	C	Approx Weight	
	RGCZA032S	RGCZAG032S	32	66	109.5	45	0.57	
	RGCZA040S	RGCZAG040S	40	72	115	45	0.60	
	RGCZA050S	RGCZAG050S	50	85	131	45	0.72	
	RGCZA065S	RGCZAG065S	65	101	147	45	0.89	
	RGCZA080S	RGCZAG080S	80	115	170	46	0.98	
	RGCZA100S	RGCZAG100S	100	146	200	52	1.47	
	RGCZA125S	RGCZAG125S	125	170	238	52	2.01	
	RGCZA150S	RGCZAG150S	150	198	266	52	2.38	
	RGCZA200S	RGCZAG200S	200	260	346	62	5.74	

Roll Groove Long Radius Elbow 90°					
	Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
		RGELG025S	25	57	0.24
	RGEL032S	RGELG032S	32	70	0.41
	RGEL040S	RGELG040S	40	70	0.48
	RGEL050S	RGELG050S	50	82.5	0.69
	RGEL065S	RGELG065S	65	95	1.18
	RGEL080S	RGELG080S	80	108	1.69
	RGEL100S	RGELG100S	100	127	2.71
	RGEL125S		125	140	4.09
	RGEL150S	RGELG150S	150	165	5.89
	RGEL200S	RGELG200S	200	197	10.43
	RGEL250S	RGELG250S	250	229	24.58
	RGEL300S	RGELG300S	300	254	35.52

Roll Groove Flexible Coupling							
	Code Painted	Code Galvanised	NB (mm)	A	B	C	Approx Weight
	RGCF025S	RGCFG025S	25	55	92	42	0.45
	RGCF032S	RGCFG032S	32	65	104	44	0.56
	RGCF040S	RGCFG040S	40	70	110	44	0.60
	RGCF050S	RGCFG050S	50	83	125	44	0.65
	RGCF065S	RGCFG065S	65	100	145	45	0.86
	RGCF080S	RGCFG080S	80	114	160	45	1.21
	RGCF100S	RGCFG100S	100	145	198	50	1.75
	RGCF125S	RGCFG125S	125	169	230	52	2.52
	RGCF150S	RGCFG150S	150	196	260	52	2.65
	RGCF200S	RGCFG200S	200	258	342	60	5.80
	RGCF250S	RGCFG250S	250	337	406	65	10.79
	RGCF300S	RGCFG300S	300	378	465	65	10.80

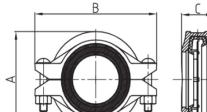
Roll Groove 45° Elbow					
	Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
	RGE45050S	RGE45G050S	50	51	0.70
	RGE45065S	RGE45G065S	65	57	0.87
	RGE45080S	RGE45G080S	80	63.5	1.24
	RGE45100S	RGE45G100S	100	76	1.92
	RGE45125S	RGE45G125S	125	82.5	2.90
	RGE45150S	RGE45G150S	150	89	3.97
	RGE45200S	RGE45G200S	200	108	6.82
		RGE45G250S	250	120.5	14.76

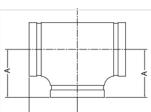
Roll Groove Eccentric Reducer					
	Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
	RGRE080050S		80 x 50	89	1.00
	RGRE080065S	RGREG080065S	80 x 65	89	1.00
	RGRE100050S		100 x 50	102	1.30
	RGRE100065S	RGREG100065S	100 x 65	102	1.30
	RGRE100080S		100 x 80	102	1.60
	RGRE150080S		150 x 80	140	3.50
	RGRE150100S		150 x 100	140	2.52

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ROLL GROOVE FITTINGS

Roll Groove Concentric Reducer					
	Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
 	RGRCG065040S		65 x 40	64	0.48
	RGRC065050S	RGRCG065050S	65 x 50	64	0.49
	RGRC080050S	RGRCG080050S	80 x 50	64	0.56
	RGRC080065S	RGRCG080065S	80 x 65	64	0.72
	RGRC100050S	RGRCG100050S	100 x 50	76	0.84
	RGRC100065S	RGRCG100065S	100 x 65	76	0.94
	RGRC100080S	RGRCG100080S	100 x 80	76	1.03
	RGRC125100S		125 x 100	89	1.38
		RGRCG150050S	150 x 50	102	2.05
		RGRCG150065S	150 x 65	102	1.99
		RGRCG150080S	150 x 80	102	1.85
	RGRC150100S	RGRCG150100S	150 x 100	102	2.08
	RGRC150125S		150 x 125	102	2.12
	RGRC200100S	RGRCG200100S	200 x 100	127	4.90
	RGRC200150S	RGRCG200150S	200 x 150	127	3.79

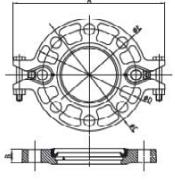
Roll Groove Reducing Flexible Coupling							
	Code Painted	Code Galvanised	NB (mm)	A	B	C	
 	RGCR065050S	RGCRG065050S	65 x 50	100	138	45	0.96
	RGCR080050S	RGCRG080050S	80 x 50	115	168	46	1.62
	RGCR080065S	RGCRG080065S	80 x 65	115	172	46	1.53
	RGCR100050S	RGCRG100050S	100 x 50	144	198	50	2.27
	RGCR100065S	RGCRG100065S	100 x 65	144	202	50	2.15
	RGCR100080S	RGCRG100080S	100 x 80	148	198	50	3.40
	RGCR150100S	RGCRG150100S	150 x 100	197	260	51	3.77
	RGCR200150S	RGCRG200150S	200 x 150	257	335	60	6.22

Roll Groove Equal Tee					
	Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
 		RGTLG040S	40	70	0.72
		RGTLG050S	50	82.5	0.99
	RGTL065S	RGTLG065S	65	95	1.73
	RGTL080S	RGTLG080S	80	108	2.41
	RGTL100S	RGTLG100S	100	127	3.87
	RGTL125S		125	140	5.97
	RGTL150S	RGTLG150S	150	165	7.81
	RGTL200S	RGTLG200S	200	197	15.54
		RGTLG250S	250	229	34.09

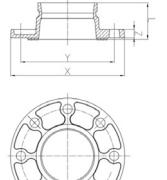
Roll Groove Cap					
	Code Painted	Code Galvanised	NB (mm)	L	Approx Weight
	RGCA040S		40	23.5	0.16
	RGCA050S	RGCAG050S	50	23.5	0.22
	RGCA065S	RGCAG065S	65	24.5	0.34
	RGCA080S	RGCAG080S	80	24	0.50
	RGCA100S	RGCAG100S	100	27	0.78
	RGCA125S		125	25.5	1.70
	RGCA150S	RGCAG150S	150	27	1.60
	RGCA200S	RGCAG200S	200	30	3.71
	RGCA250S		250	32	6.98
	RGCA300S		300	32	15.48

ROLL GROOVE FITTINGS

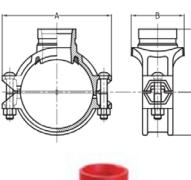
Roll Groove Flange - AS2129 Table E

	Code Painted	Code Galvanised	NB (mm)	Flange Dimensions					Approx Weight
				A	B	C	D	E	
 		RGFG050S	50	211	18.5	150	114	57.5	
	RGF080S	RGFG080S	80	241	18.5	185	146	85.8	1.89
	RGF100S	RGFG100S	100	270	18.5	216	178	110.5	2.40
	RGF150S		150	346	21.5	280	235	160.8	3.99
	RGF200S		200	408	24	335	292	214.9	5.67

Roll Groove Flange Adaptor - AS2129 Tab. E

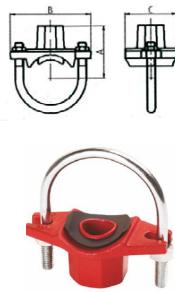
	Code Painted	Code Galvanised	NB (mm)	Flange Dimensions				Approx Weight
				L	X	Y	Z	
 		RGFAG050S	50	65	152	114	16	
	RGFA065S	RGFAG065S	65	70	165	127	16	1.73
	RGFA080S	RGFAG080S	80	70	184	146	16	2.07
	RGFA100S	RGFAG100S	100	70	216	178	16	3.19
	RGFA150S	RGFAG150S	150	70	280	235	18	5.05
		RGFAG200S	200	102	337	292	19	8.50

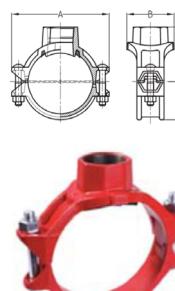
Roll Groove Mechanical Tee - Roll Grooved Outlet

	Code Painted	Code Galvanised	NB (mm)	Dimensions				Approx Weight
				A	B	C	D	
 	RGTMGR050040S		50 x 40	116	76	69.5	39	
	RGTMGR100065S	RGTMGGR100065S	100 x 65	188	104.5	102	70	1.54
	RGTMGR100080S		100 x 80	188	128	102	70	2.41
		RGTMGGR150050S	150 x 50	244	112.5	127	97.5	2.40
	RGTMGR150065S	RGTMGGR150065S	150 x 65	244	112.5	130	97.5	2.49
	RGTMGR150080S	RGTMGGR150080S	150 x 80	244	132	130	97.5	2.70
		RGTMGGR150100S	150 x 100	244	154	135	97.5	3.13
		RGTMGGR200065S	200 x 65	320	118	158	125	3.74

THE SMARTER CHOICE.

ROLL GROOVE FITTINGS

Roll Groove Mechanical U-Bolt Tee - BSP Outlet							
	Code Painted	Code Galvanised	NB (mm)	Dimensions			Approx Weight
				A	B	C	
	RGTMS032015S	RGTMS032015S	32 x 15	54.4	88.9	57.2	0.40
	RGTMS032025S	RGTMS032025S	32 x 25	57.7	88.9	57.2	0.48
	RGTMS040015S	RGTMS040015S	40 x 15	57.7	88.9	57.2	0.39
	RGTMS040020S	RGTMS040020S	40 x 20	57.7	88.9	57.2	0.42
	RGTMS040025S	RGTMS040025S	40 x 25	60.8	88.9	57.2	0.47
	RGTMS050015S	RGTMS050015S	50 x 15	63.3	95.3	57.2	0.40
	RGTMS050020S	RGTMS050020S	50 x 20	63.3	95.3	57.2	0.43
	RGTMS050025S	RGTMS050025S	50 x 25	66.6	95.3	57.2	0.48
	RGTMS050032S	RGTMS050032S	50 x 32	66.6	119.9	76.2	0.40
	RGTMS065015S	RGTMS065015S	65 x 15	69.9	108	57.2	0.43
	RGTMS065020S	RGTMS065020S	65 x 20	69.9	108	57.2	0.46

Roll Groove Mechanical Tee Female BSP Outlet								
	Code Painted	Code Galvanised	NB (mm)	Dimensions			Approx Weight	
				A	B	C		
	RGTMG025015S	RGTMG025015S	25 x 15	86	46	26	24.5	0.26
	RGTMG040025S	RGTMG040025S	40 x 25	101.5	57	56	32.5	0.52
	RGTMG050020S	RGTMG050020S	50 x 20	116	68	60	39	0.64
	RGTMG050025S	RGTMG050025S	50 x 25	116	68	60	39	0.72
	RGTMG050032S	RGTMG050032S	50 x 32	116	76	65	39	0.83
	RGTMG050040S	RGTMG050040S	50 x 40	116	76	65	39	0.85
	RGTMG065020S	RGTMG065020S	65 x 20	137	71	68	49.5	1.12
	RGTMG065025S	RGTMG065025S	65 x 25	137	71	75	49.5	1.12
	RGTMG065032S	RGTMG065032S	65 x 32	137	84.5	75	49.5	1.20
	RGTMG065040S	RGTMG065040S	65 x 40	137	84.5	75	49.5	1.25
	RGTMG080020S	RGTMG080020S	80 x 20	152	72.5	71.5	56.5	1.02
	RGTMG080025S	RGTMG080025S	80 x 25	152	72.5	80	56.5	1.05
	RGTMG080032S	RGTMG080032S	80 x 32	152	85.5	80	56.5	1.13
	RGTMG080040S	RGTMG080040S	80 x 40	152	85.5	80	56.5	1.14
	RGTMG080050S	RGTMG080050S	80 x 50	152	98	80	56.5	1.31
	RGTMG100025S	RGTMG100025S	100 x 25	188	78.5	93	70	1.24
	RGTMG100032S	RGTMG100032S	100 x 32	188	89	95	70	1.32
	RGTMG100040S	RGTMG100040S	100 x 40	188	89	97	70	1.34
	RGTMG100050S	RGTMG100050S	100 x 50	188	104.5	100	70	1.44
	RGTMG100065S	RGTMG100065S	100 x 65	188	104.5	102	70	1.70
	RGTMG100080S	RGTMG100080S	100 x 80	188	128	102	70	1.70
	RGTMG125050S		125 x 50	221.5	95	112	84	2.63
	RGTMG150040S	RGTMG150040S	150 x 40	244	93	118	97.5	2.29
	RGTMG150050S	RGTMG150050S	150 x 50	244	112.5	128.5	97.5	2.46
	RGTMG150065S	RGTMG150065S	150 x 65	244	112.5	128.5	97.5	3.10
	RGTMG150080S	RGTMG150080S	150 x 80	244	132	128.5	97.5	2.90
	RGTMG150100S		150 x 100	244	154	135	97.5	3.60
	RGTMG200050S	RGTMG200050	200 x 50	320	117	160	125	3.82

PIPE HANGERS

Pipe Saddle - Zinc					
	Code	NB (mm)	Pipe OD	Strap Size	Approx Weight
	HASAZ/015	15	21.3	20 x 0.8	0.01
	HASAZ/020	20	26.9	20 x 0.8	0.01
	HASAZ/025	25	33.7	20 x 0.8	0.02
	HASAZ/032	32	42.4	20 x 0.8	0.02
	HASAZ/040	40	48.3	20 x 0.8	0.02
	HASAZ/050	50	60.3	20 x 0.8	
	HASAZ/065	65	76.1	30 x 0.8	0.11

Pipe Saddle - Galvanised					
	Code	NB (mm)	Pipe OD	Strap Size	Approx Weight
	HASAG/015XL	15	21.3	25 x 1.8	
	HASAG/020XL	20	26.9	25 x 1.8	
	HASAG/025XL	25	33.7	25 x 1.8	0.05
	HASAG/025L	25	33.7	25 x 3.0	
	HASAG/032XL	32	42.4	25 x 1.8	0.06
	HASAG/032L	32	42.4	25 x 3.0	
	HASAG/040XL	40	48.3	25 x 1.8	0.06
	HASAG/040L	40	48.3	25 x 3.0	
	HASAG/050XL	50	60.3	25 x 2.3	0.09
	HASAG/050L	50	60.3	25 x 3.0	
	HASAG/050M	50	60.3	40 x 5.0	0.36
	HASAG/065XL	65	76.1	25 x 2.3	
	HASAG/065M	65	76.1	40 x 5.0	0.42
	HASAG/080XL	80	88.9	25 x 2.3	
	HASAG/080M	80	88.9	40 x 5.0	0.44
	HASAG/100XL	100	114.3	25 x 2.3	
	HASAG/100M	100	114.3	40 x 5.0	0.68

Muncing Ring Insulated			
	Code	Metric Size	Pipe OD
	HAMR015IN	15	21.3
	HAMR020IN	20	26.9
	HAMR025IN	25	33.7
	HAMR032IN	32	42.4
	HAMR040IN	40	48.3
	HAMR050IN	50	60.3
	HAMR065IN	65	76.1
	HAMR080IN	80	88.9
	HAMR100IN	100	114.3

Munzing Ring Zinc						
	Code	NB (mm)	Pipe OD	Strap Size	Boss	Approx Weight

	HAMR015ZWB	15	21.3	25 x 2.0	M10	0.10
	HAMR020ZWB	20	26.9	25 x 2.0	M10	0.11
	HAMR025ZWB	25	33.7	25 x 2.0	M10	0.12
	HAMR032ZWB	32	42.4	25 x 2.0	M10	0.12
	HAMR040ZWB	40	48.3	25 x 2.0	M10	0.13
	HAMR050ZWB	50	60.3	25 x 2.5	M10	0.17
	HAMR065ZWB	65	76.1	25 x 2.5	M10	0.20
	HAMR065ZWB12	65	76.1	25 x 2.5	M12	
	HAMR080ZWB	80	88.9	25 x 2.5	M10	0.22
	HAMR080ZWB12	80	88.9	25 x 2.5	M12	
	HAMR100ZWB	100	114.3	25 x 3.0	M10	0.34
	HAMR100ZWB12	100	114.3	25 x 3.0	M12	0.28
	HAMR150ZWB	150	165.1	25 x 3.0	M10	0.40
	HAMR150ZWB12	150	165.1	25 x 3.0	M12	

Munzing Ring Galvanised						
	Code	NB (mm)	Pipe OD	Strap Size	Boss	Approx Weight

	HAMR015GWB	15	21.3	25 x 2.0	M10	0.10
	HAMR020GWB	20	26.9	25 x 2.0	M10	0.11
	HAMR025GWB	25	33.7	25 x 2.0	M10	0.12
	HAMR032GWB	32	42.4	25 x 2.0	M10	0.13
	HAMR040GWB	40	48.3	25 x 2.0	M10	0.14
	HAMR050GWB	50	60.3	25 x 2.5	M10	0.18
	HAMR065GWB	65	76.1	25 x 2.5	M10	0.22
	HAMR065GWB12	65	76.1	25 x 2.5	M12	
	HAMR080GWB	80	88.9	25 x 2.5	M10	0.23
	HAMR080GWB12	80	88.9	25 x 2.5	M12	
	HAMR100GWB	100	114.3	25 x 3.0	M10	0.34
	HAMR100GWB12	100	114.3	25 x 3.0	M12	
	HAMR150GWB12	150	165.1	25 x 5.0	M12	

Base Plates					
	Code	Boss	Orientation	Finish	Approx Weight

	HABP1012HGW	M10 & M12	Horizontal	Galv	0.09
	HABP1012VGW	M10 & M12	Vertical	Galv	0.09
	HABP1012VZWB	M10 & M12	Vertical	Zinc	0.09
	HABP1045GWB	M10	45 Deg	Galv	0.05
	HABP1045ZWB	M10	45 Deg	Zinc	0.10
	HABP10GWB	M10	Flat	Galv	0.05
	HABP10ZWB	M10	Flat	Zinc	0.05
	HABP1245ZWB	M12	45 Deg	Zinc	0.00
	HABP12ZWB	M12	Flat	Zinc	0.05

THE SMARTER CHOICE.

PIPE HANGERS

Two Piece Pipe Clamp

	Code	NB (mm)	Pipe OD	Strap Size	Approx Weight
	HASBG/015	15	21.3	25 x 3.0	0.10
	HASBG/020	20	26.9	25 x 3.0	0.15
	HASBG/025	25	33.7	25 x 3.0	0.14
	HASBG/032	32	42.4	25 x 3.0	0.18
	HASBG/040	40	48.3	25 x 3.0	0.17
	HASBG/050	50	60.3	40 x 6.0	0.74
	HASBG/065	65	76.1	40 x 6.0	0.84
	HASBG/080	80	88.9	40 x 6.0	0.93
	HASBG/100	100	114.3	40 x 6.0	1.01
	HASBG/125	125	139.7	40 x 6.0	0.36
	HASBG/150	150	165.1	40 x 6.0	1.33
	HASBG/200	200	219.1	40 x 6.0	1.65
	HASBG/250	250	273.1	40 x 6.0	2.01
	HASBG/300	300	323.9	75 x 10.0	7.50

Two Piece Pipe Clamp with Yoke - Galvanised

	Code	NB (mm)	Pipe OD	Strap Size	Approx Weight
	HAYCG08025	25	33.7	25 x 3.0	0.21
	HAYCG08032	32	42.4	25 x 3.0	0.23
	HAYCG08040	40	48.3	25 x 3.0	0.24
	HAYCG08050	50	60.3	25 x 3.0	0.27
	HAYCG08065	65	76.1	25 x 3.0	0.30
	HAYCG08080	80	88.9	25 x 3.0	0.32
	HAYCG08100	100	114.3	25 x 3.0	0.39
	HAYCG08125	125	139.7	25 x 3.0	0.42
	HAYCG08150	150	165.1	25 x 3.0	0.48
	HAYCG18050	50	60.3	40 x 6.0	0.99
	HAYCG18065	65	76.1	40 x 6.0	1.09
	HAYCG18080	80	88.9	40 x 6.0	1.15
	HAYCG18100	100	114.3	40 x 6.0	1.31
	HAYCG18125	125	139.7	40 x 6.0	1.42
	HAYCG18150	150	165.1	40 x 6.0	1.58
	HAYCG18200	200	219.1	40 x 6.0	1.88
	HAYCG18250	250	273.1	40 x 6.0	2.27
	HAYCG18300	300	323.9	40 x 6.0	
	HAYCG31250	250	273.1	75 x 10.0	7.70
	HAYCG31300	300	323.9	75 x 10.0	8.70
	HAYCG31350	350	355.6	75 x 10.0	9.30
	HAYCG31400	400	406.4	75 x 10.0	10.10

U-Bolts - Galvanised

	Code	NB (mm)	Internal Diameter	Thread Size
	HAUBG/010X050	50	60	M10
	HAUBG/010X065	65	76	M10
	HAUBG/010X080	80	89	M10
	HAUBG/010X100	100	115	M10
	HAUBG/010X125	125	140	M10
	HAUBG/012X065	65	76	M12
	HAUBG/012X080	80	89	M12
	HAUBG/012X090	90	102	M12
	HAUBG/012X100	100	115	M12
	HAUBG/012X125	125	140	M12
	HAUBG/012X150	150	168	M12
	HAUBG/012X200	200	219	M12
	HAUBG/016X080	80	89	M16
	HAUBG/016X100	100	115	M16
	HAUBG/016X150	150	168	M16
	HAUBG/016X200	200	219	M16
	HAUBG/020X150	150	168	M20
	HAUBG/010X065	10 x 65	76	

U-Bolts - Zinc

	Code	NB (mm)	Internal Diameter	Thread Size
	HAUBZ/008X020	20	27	M8
	HAUBZ/008X025	25	34	M8
	HAUBZ/008X032	32	43	M8
	HAUBZ/008X040	40	48	M8
	HAUBZ/008X050	50	60	M8
	HAUBZ/010X025	25	34	M10
	HAUBZ/010X040	40	48	M10
	HAUBZ/010X050	50	60	M10
	HAUBZ/010X065	65	76	M10
	HAUBZ/010X080	80	89	M10
	HAUBZ/010X100	100	114	M10
	HAUBZ/012X090	90	102	M12
	HAUBZ/012X100	100	114	M12
	HAUBZ/012X150	150	168	M12

PLASTIC VALVES

FOR WATER APPLICATIONS

FIP DOUBLE UNION PVC BALL VALVES						
	Code	Size			Code	Size
VE Ball Valve BSP Ends	VFIPVEBSP/015 VFIPVEBSP/020 VFIPVEBSP/025 VFIPVEBSP/032 VFIPVEBSP/040 VFIPVE/BSP050 VFIPVEBSP/065 VFIPVEBSP/080 VFIPVE/BSP100	15mm 20mm 25mm 32mm 40mm 50mm 65mm 80mm 100mm		VE Ball Valve Socketed Ends	VFIPVE/015 VFIPVE/020 VFIPVE/025 VFIPVE/032 VFIPVE/040 VFIPVE/050 VFIPVE/065 VFIPVE/080 VFIPVE/100	15mm 20mm 25mm 32mm 40mm 50mm 65mm 80mm 100mm
BSP Valve End	VAFIPBSP/015 VAFIPBSP/020 VAFIPBSP/025 VAFIPBSP/032 VAFIPBSP/040 VAFIPBSP/050 VAFIPBSP/065 VAFIPBSP/080 VAFIPBSP/100	15mm 20mm 25mm 32mm 40mm 50mm 65mm 80mm 100mm		Socket Valve End	VAFIPSOCKET/015 VAFIPSOCKET/020 VAFIPSOCKET/025 VAFIPSOCKET/032 VAFIPSOCKET/040 VAFIPSOCKET/050 VAFIPSOCKET/065 VAFIPSOCKET/080 VAFIPSOCKET/100	15mm 20mm 25mm 32mm 40mm 50mm 65mm 80mm 100mm

The FIP VE ball valves are ideally suited to conveying water and harmless fluids. The valves are full bore, with double unions and a safe block design offering fully adjustable removable seats. Ball seats are made from PE-PTFE technopolymer with EPDM O-rings. Valves are available with a PVC body, imperial socket and BSP threaded ends.

+GF+ 565 BUTTERFLY VALVES						
	Code	Size			Code	Size
Wafer Style EPDM Seat with Lever Handle	VGF565/050 VGF565/065 VGF565/080 VGF565/100 VGF565/125 VGF565/150 VGF565/200	50mm 65mm 80mm 100mm 125mm 150mm 200mm		Wafer Style FPM Seat with Lever Handle	VGF565FPM/050 VGF565FPM/065 VGF565FPM/080 VGF565FPM/100 VGF565FPM/125 VGF565FPM/150 VGF565FPM/200	50mm 65mm 80mm 100mm 125mm 150mm 200mm
Wafer Style EPDM Seat Bare Shaft	VGF565BS/050 VGF565BS/065 VGF565BS/080 VGF565BS/100 VGF565BS/125 VGF565BS/150 VGF565BS/200 VGF565BS/250 VGF565BS/300	50mm 65mm 80mm 100mm 125mm 150mm 200mm 250mm 300mm		Wafer Style FPM Seat Bare Shaft	VGF565FPMBS/050 VGF565FPMBS/065 VGF565FPMBS/080 VGF565FPMBS/100 VGF565FPMBS/125 VGF565FPMBS/150 VGF565FPMBS/200 VGF565FPMBS/250 VGF565FPMBS/300	50mm 65mm 80mm 100mm 125mm 150mm 200mm 250mm 300mm

The new Butterfly Valve 565 is made out of high-quality plastics that protect it from corrosion and abrasion, and comes in a wafer design with the same installation length as metal solutions (DN50 – DN300). Offering lockable ergonomic lever, standard 5° ratchet setting and optional electric position indicator, along with Data-Matrix-Code and interface for flexible automation (ISO 5211). Fiber reinforced housing and inner disc: PVDF disc and a EPDM or FKM sleeve

THE SMARTER CHOICE.

PLASTIC VALVES

FOR WATER APPLICATIONS

SPEARS PVC SWING CHECK VALVE					
	Code	Size			Code
Spears PVC Swing Check Valve, White	S1520-07	20mm			S1580-05
	S1520-10	25mm			S1580-07
	S1520-12	32mm			S1580-10
	S1520-15	40mm			S1580-15
	S1520-20	50mm			S1580-20
	S1520-30	80mm			S1580-30
	S1520-40	100mm			S1580-40
	S1520-60	150mm			
	Socketed			Socketed	

PVC utility swing check valves are ideally suited for a range of applications. Available either with or without a spring, they are an economic solution for ensuring flow in one direction only.

PHILMAC VALVES					
	Code	Size			Code
Philmac Ball Valve	PHBV/015	15mm			PHNV/020
	PHBV/020	20mm			PHNV/025
	PHBV/025	25mm			PHNV/032
	PHBV/032	32mm			PHNV/040
	PHBV/040	40mm			PHNV/050
	PHBV/050	50mm			
					

Philmac valves are manufactured from glass reinforced polypropylene (GRP). Their simple rugged construction makes them ideally suited for use above or below ground in irrigation and water distribution lines.

+GF+ ELECTRICALLY ACTUATED VALVES

FOR CHEMICAL PROCESS APPLICATIONS

EA 546 STANDARD ELECTRIC ACTUATOR ASSEMBLY

	Code	Size (NB)		Code	Size (NB)	
	EA15 230 VOLT	EA15546-230V/15 EA15546-230V/20-25 EA15546-230V/32-40 EA15546-230V/50	15mm 20-25mm 32-40mm 50mm		EA15546-24V/15 EA15546-24V/20-25 EA15546-24V/32-40 EA15546-24V/50	15mm 20-25mm 32-40mm 50mm
	EA25 230 VOLT	EA25546-230V/15 EA25546-230V/20-25 EA25546-230V/32-40 EA25546-230V/50	15mm 20-25mm 32-40mm 50mm		EA25546-24V/15 EA25546-24V/20-25 EA25546-24V/32-40 EA25546-24V/50	15mm 20-25mm 32-40mm 50mm
	EA45/120 230 VOLT	EA45546-230V/65 EA120546-230V/80 EA120546-230V/100	65mm 80mm 100mm		EA45546-24V/65 EA120546-24V/80 EA120546-24V/100	65mm 80mm 100mm

Includes EA15/25/45/120 Actuator, Drive Adaptors and Multifunction unit used for the 546 Ball Valves.

VALVE IS NOT INCLUDED

EA 543 STANDARD ELECTRIC ACTUATOR ASSEMBLY

	Code	Size (NB)		Code	Size (NB)
	EA25543-230V/15 EA25543-230V/20-25 EA25543-230V/32-40 EA25543-230V/50	15mm 20-25mm 32-40mm 50mm		EA25543-24V/15 EA25543-24V/20-25 EA25543-24V/32-40 EA25543-24V/50	15mm 20-25mm 32-40mm 50mm

Includes EA25 Actuator and Multifunction unit to assemble the 543 3Way Ball Valves up to 50mm.

VALVE IS NOT INCLUDED

EA 567 STANDARD ELECTRIC ACTUATOR ASSEMBLY

	Code	Size (NB)		Code	Size (NB)
	EA45567-230V/50-65 EA120567-230V/80 EA120567-230V/100-125 EA250567-230V/150	50-65mm 80mm 100-125mm 150mm		EA45567-24V/50-65 EA120567-24V/80 EA120567-24V/100-125 EA250567-24V/150	50-65mm 80mm 100-125mm 150mm

Includes EA45/120 Actuator and Adaptor to assemble the 567 Valves up to 200mm.

VALVE IS NOT INCLUDED

SMART ELECTRIC ACTUATORS TYPE DEA25-250

The smart electric actuator is the first product that can be controlled fully by an app. Furthermore it is not only smart and excellently equipped, it also features very high peak torques ranging from 25 Nm to 250 Nm. Therefore, it is able to automate a wide range of valves.

The actuators can be installed on any common valves with interface according to ISO 5211.

Accessories allow using them not only as an on/off actuator but also in continuous operation.



E-DIASTAR FOR TYPES 514, 515 AND 517

The e-DIASTAR system is based on the diaphragm Valve Type 514 (threaded sockets) and Type 515 (spigots), on which the electric actuator EA-MT is mounted. The diaphragm Valve Type 517 (flange) can be retrofitted after installation. The electric actuator EA-MT opens and closes the diaphragm valve fully automatic.

The e-DIASTAR is used to regulate, close and control volume flows automatically. Especially when transporting contaminated, aggressive or abrasive media, this type of valve has decisive advantages thanks to its simple function and optimized construction. Only the valve body and the replaceable diaphragm are in contact with the medium.



THE SMARTER CHOICE.

+GF+ ELECTRICALLY ACTUATED VALVES

FOR CHEMICAL PROCESS APPLICATIONS

Asmuss build in-house actuation assemblies and can customise to meet your exacting needs, including a wide range of additional accessories. For ease of pricing and ordering we have created a basic actuator assembly kit featuring the appropriate actuator and the adaptor parts to assemble and test a complete actuated valve.

All you have to do is select the assembly and add the valve from our manual price list to get your pricing and for ordering purposes. If you require additional functionality, please contact our office.

ELECTRIC ACTUATION

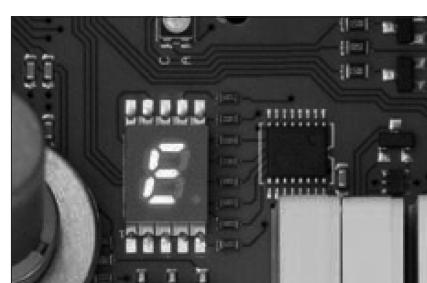
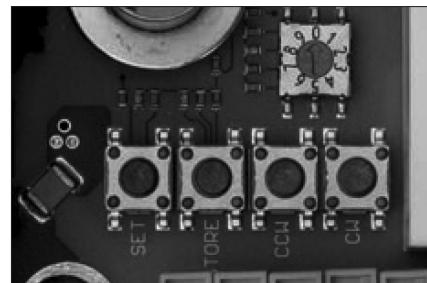
The +GF+ Electric Actuators type EA15, EA25, EA45, EA120 and EA250 are not only well equipped, they are also characterized by very high peak torques from 25 Nm to 250 Nm making them able to automate a wide range of valves. The electric actuators serve to operate valves with a rotating angle of 90° to 180°. The actuators can be installed on any common valves with interfaces according to ISO 5211.

Accessories are available to operate valves in continuous operation.



Features:

- LED Feedback - Reading of the actuator position as well under difficult light conditions
- Integrated feedback
- Electric position feedback for position Open/Close/Middle
- Integrated heater with dial for temperature
- 7-Segment error display
- Position sensor with easy re-adjustment teach-buttons to manually reset open and closed position
- Profibus DP-V0 compatible
- Simple selection and assembly of accessory parts



Related Documents:

- Manual Valves Price List
- GF EA 15-250 Electric Actuator Handbook

EA15, EA25, EA45, EA120, EA250	
Nominal Voltage	AC:100-230V, AC/DC: 24V, 50/60 Hz
Nominal Voltage Tolerance	+/- 15%
Protection class	IP 65 according to EN60529
Pollution degree	2 according to EN61010-1
Overload protection	Current/time dependent, resetting
Over voltage category	II
Ambient temperature	-10 - +50 deg C
Allowable humidity	Max 90 % relative humidity, non-condensing
Housing material	GF PP for Chemical Resistance

	EA15	EA25	EA45	EA120	EA250
Nominal Power	AC 30VA - 100-230V AC/DC 35VA - 24 V	AC 35VA - 100-230V AC/DC 40VA - 24 V	AC 55VA - 100-230V AC/DC 60VA - 24 V	AC 50VA - 100-230V AC/DC 55VA - 24 V	AC 60VA - 100-230V AC/DC 65VA - 24 V
Nominal Torque Mdn (peak)	10(20)Nm	10(25)Nm	20(45)Nm	60(120)Nm	100(250)Nm
Duty Cycle	40%@ 25 deg C/15min	100%	50%	50%	35%
Cycle times/90 deg at Mdn	5 s	5 s	6 s	15 s	20 s
Flange Fittings (Mounting Plate)	F05	F05	F05	F05	F07
Tested cycles (at 20deg C & Mdn)	150,000	250,000	100,000	100,000	75,000
Weight	1.85 kg	2.1kg	2.2 kg	3.6 kg	5.0 kg
Actuating Angle	Max 355 deg set to 90 deg				

+GF+ PNEUMATICALLY ACTUATED VALVES

FOR CHEMICAL PROCESS APPLICATIONS

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All you have to do is select the assembly and add the valve from our manual price list to get your pricing and for ordering purposes. If you require additional functionality, please contact our office.

PA 546 STANDARD PNEUMATIC ACTUATOR ASSEMBLY		
	Code	Size (NB)
PA11 Double Acting	PA11546DA/15	15mm
	PA11546DA/20-25	20-25mm
PA21 Double Acting	PA21546DA/32-40	32-40mm
	PA21546DA/50	50mm
PA40 Double Acting	PA40546DA/80	80mm
PA45 Double Acting	PA45546DA/100	100mm
PA11 Fail Close	PA11546/15	15mm
	PA11546/20-25	20 -25mm
PA21 Fail Close	PA21546/32-40	32- 40mm
	PA21546/50	50mm
PA40 Fail Close / Fail Open	PA40546/80	80mm
	PA40546/100	100mm



Includes PA11/21/40/45 Actuator, Drive Adaptors and Multifunction unit used for the 546 Ball Valves.

VALVE IS NOT INCLUDED

PA 567 STANDARD PNEUMATIC ACTUATOR ASSEMBLY		
	Code	Size (NB)
PA30 Double Acting	PA30567DA/50-65	50-65mm
	PA35567DA/80	80mm
PA40 Double Acting	PA40567DA/100	100mm
	PA50567DA/150	150mm
PA55 Double Acting	PA55567DA/200	200mm
	PA30567/50-65	50-65mm
PA30 Fail Close / Fail Open	PA35567/80	80mm
	PA40567/100	100mm
PA50 Fail Close / Fail Open	PA50567/150	150mm
	PA55567/200	200mm



Includes PA30/35/40/50/55 Actuator, Drive Adaptors and Multifunction unit used for the 567 Ball Valves.

VALVE IS NOT INCLUDED

+GF+ PNEUMATICALLY ACTUATED 3 WAY- BALL VALVES



The 285-288 model incorporates the +GF+ 543 3-Way Bal Valve and a compact pneumatic actuator available in either L or T-Port configuration. The L-Port configuration normally requires a 2 position 90 degree actuator whilst the T-Port valve may require a 3 position Electric Actuator. Available Fail Safe Close, Fail Safe Open or Double Acting. A visual position indicator shows valve position. Please contact us for the valve material and the actuator configuration you require.

The 543 Bal Valves are available in PVC, CPVC, ABS, PP & PVDF.

Refer to the 543+GF+ Brochure for more configuration details.

THE SMARTER CHOICE.

+GF+ PNEUMATICALLY ACTUATED VALVES

FOR CHEMICAL PROCESS APPLICATIONS

+GF+ DIASTAR 10 ACTUATED VALVE						
	Code	Size (NB)		Code	Size (NB)	
PVC-U, Fail Close EPDM Diaphragm EPDM O-Rings Socket Union Ends	VGF10FC/015	15mm		PVC-U, Fail Close PTFE/EPDM Diaphragm FPM O-Rings Socket Union Ends	VGF10PTFEFC/015	15mm
	VGF10FC/020	20mm			VGF10PTFEFC/020	20mm
	VGF10FC/025	25mm			VGF10PTFEFC/025	25mm
	VGF10FC/032	32mm			VGF10PTFEFC/032	32mm
	VGF10FC/040	40mm			VGF10PTFEFC/040	40mm
	VGF10FC/050	50mm			VGF10PTFEFC/050	50mm



This range is optimally suited for all standard applications up to 10 Bar requiring an automated interface to the processing plant.

+GF+ DIASTAR 6 ACTUATED VALVE					
				Code	Size (NB)
The Diastar 6 is a cost effective solution for operation pressures up to 6 Bar. It combines high quality with basic actuator functions. Its compact construction is also an advantage. Available in a range of materials with the fail close only.					
Accessories:					
• Limit Switches					
• DSR 500 Electro-pneumatic Positioners					



OPTIONS & ACCESSORIES								
	Manual Overide				Pneumatically Operated			
	Type	514	515	517	519	Diastar 6	Diastar 10	Diastar 16
Functions	Description	True Union Type	Spigot	Flange	Branched Valve			
	Dimensions				DN15 - DN50			
	Pressure Rating		PN10 / PN16*			PN6	PN10	PN16
	FC					✓	✓	✓
	FO						✓	on request
	DA						✓	on request
Materials	PVC-U	✓	✓	✓		✓	✓	on request
	PVC-C	✓	✓	✓		✓	✓	on request
	ABS	✓	✓			✓	✓	on request
	PP-H	✓	✓	✓	✓	✓	✓	on request
	PP-n		✓			✓	✓	on request
	PVDF	✓	✓	✓	✓	✓	✓	✓
Connection Type	PVDF-HP	✓	✓		✓	✓	✓	✓
	Socket	✓				✓	✓	✓
	Spigot	✓	✓		✓	✓	✓	✓
	Flange			✓		✓	✓	✓
	Threaded Socket	✓				✓	✓	✓
Diaphragm Materials	EPDM	✓	✓	✓	✓	✓	✓	✓
	PTFE/EPDM	✓	✓	✓	✓		✓	✓
	FPM	✓	✓	✓		on request	on request	on request
	NBR	✓	✓	✓		on request	on request	on request
Accessories	Feedback	✓	✓	✓	✓		✓	✓
	Manual Overide						✓	✓
	Stroke Limiter						✓	✓
	Positioner						✓	✓
	Bus Connection					on request	✓	✓

+GF+ PP-H

POLYPROPYLENE PIPING SYSTEM

The +GF+ PP-H piping system is renowned for its excellent resistance to a wide range of chemicals, and its ability to withstand temperatures up to 95°C.

Manufactured from Polypropylene homopolymer PP-H 100 beta (β) - nucleated, the +GF+ PP-H system is designed specifically for industrial applications. It differs from other types of polypropylene in that it has a very fine structure and significantly higher impact strength. This high degree of crystallinity ensures excellent chemical resistance, which is further improved by the use of titanium dioxide pigment.

The +GF+ PP-H system, is joined using either socket fusion or infra-red (IR) welding for high purity applications. Fittings for both jointing methods are detailed within this price list.

Related Documents: • +GF+ Aquatap Brochure

PP-H PIPE			
	Code	Size OD (mm)	Wall Thickness
Pipe, SDR11, PN10	167480710	16mm	1.8mm
	167480711	20mm	1.9mm
	167480712	25mm	2.3mm
	167480713	32mm	2.9mm
	167480714	40mm	3.7mm
	167480715	50mm	4.6mm
	167480716	63mm	5.8mm
	167480717	75mm	6.8mm
	167480718	90mm	8.2mm
	167480719	110mm	10.0mm

Supplied in 5 metre lengths

SOCKET FUSION FITTINGS					
	Code	Size OD (mm)		Code	Size OD (mm)
Plain Socket	727910105	16	Elbow 90°	727100105	16
	727910106	20		727100106	20
	727910107	25		727100107	25
	727910108	32		727100108	32
	727910109	40		727100109	40
	727910110	50		727100110	50
	727910111	63		727100111	63
	727910112	75		727100112	75
	727910113	90		727100113	90
	727910114	110		727100114	110
Equal Tee	727200105	16	Elbow 45°	727150105	16
	727200106	20		727150106	20
	727200107	25		727150107	25
	727200108	32		727150108	32
	727200109	40		727150109	40
	727200110	50		727150110	50
	727200111	63		727150111	63
	727200112	75		727150112	75
	727200113	90		727150113	90
	727200114	110		727150114	110
Plain Cap	727960105	16	Elbow 90° Plain/ Threaded	727100206	20x $\frac{1}{2}$ "
	727960106	20		727100207	25x $\frac{3}{4}$ "
	727960107	25		727100208	32x1"
	727960108	32		727100209	40x1 $\frac{1}{4}$ "
	727960109	40			
	727960110	50			
	727960111	63			
	727960112	75			
	727960113	90			
	727960114	110			

THE SMARTER CHOICE.

+GF+ PP-H

POLYPROPYLENE PIPING SYSTEM

SOCKET FUSION FITTINGS

	Code	Size OD (mm)		Code	Size OD (mm)	
Reducing Bush	727910334 727910337 727910342 727910341 727910347 727910346 727910355 727910354 727910353 727910352 727910361 727910360 727910359 727910358 727910364 727910371 727910370 727910376	20x16 25x20 32x20 32x25 40x25 40x32 50x20 50x25 50x32 50x40 63x25 63x32 63x40 63x50 75x63 90x63 90x75 110x90		Adaptor Nipple Plain/ Threaded	727910505 727910506 727910507 727910508 727910509 727910510 727910511	16x $\frac{3}{8}$ " 20x $\frac{1}{2}$ " 25x $\frac{3}{4}$ " 32x1" 40x $1\frac{1}{4}$ " 50x $1\frac{1}{2}$ " 63x2"
			BSP Thread			
			Stub Flange	727790206 727790207 727790208 727790209 727790210 727790211 727790212 727790213 727790214	20 25 32 40 50 63 75 90 110	
Socket Union EPDM	727510155 727510156 727510157 727510158 727510159 727510160 727510161 727510162 727510163 727510164	16 20 25 32 40 50 63 75 90 110		Adaptor Socket Plain/ Threaded	727910205 727910206 727910207 727910208 727910209 727910210 727910211	20x $\frac{3}{8}$ " 20x $\frac{1}{2}$ " 25x $\frac{3}{4}$ " 32x1" 40x $1\frac{1}{4}$ " 50x $1\frac{1}{2}$ " 63x2"
			BSP Thread			
Socket Union FPM	727520155 727520156 727520157 727520158 727520159 727520160 727520161 727520162 727520163 727520164	16 20 25 32 40 50 63 75 90 110		Equal Tee Threaded Branch	727200206 727200207 727200208 727200209	20x $\frac{1}{2}$ " 25x $\frac{3}{4}$ " 32x1" 40x $1\frac{1}{4}$ "
			BSP Thread			
Reducing Bush Plain/ Threaded	727910433 727910434 727910437 727910441 727910446 727910452	20x $\frac{1}{4}$ " 20x $\frac{3}{8}$ " 25x $\frac{1}{2}$ " 32x $\frac{3}{4}$ " 40x1" 50x $1\frac{1}{4}$ "		Hosetail S/F Spigot- Barb	727960406 727960407 727960408 727960409 727960410 727960411	20 25 32 40 50 63
			BSP Thread			

+GF+ PP-H
POLYPROPYLENE PIPING SYSTEM
INFRARED (IR) FITTINGS

	Code	Size OD (mm)		Code	Size OD (mm)
Elbow 90° 	727108506 727108507 727108508 727108509 727108510 727108511	20 25 32 40 50 63	Stub Flange 	727798506 727798507 727798508 727798509 727798510 727798511	20 25 32 40 50 63
Elbow 45° 	727158506 727158507 727158508 727158509 727158510 727158511	20 25 32 40 50 63	Socket Union FPM 	727528506 727528507 727528508 727528509 727528510 727528511	20 25 32 40 50 63
Socket Union EPDM 	727518506 727518507 727518508 727518509 727518510 727518511	20 25 32 40 50 63	Cap 	727968931 727968932 727968933 727968934 727968935 727968936	20 25 32 40 50 63
Reducer 	727908537 727908542 727908541 727908548 727908547 727908546 727908554 727908553 727908552 727908560 727908559 727908558	25x20 32x20 32x25 40x20 40x25 40x32 50x25 50x32 50x40 63x32 63x40 63x50	Adaptor Socket Plain/ Threaded 	727910266 727910267 727910268 727910269 727910270 727910271	20x½" 25x¾" 32x1" 40x1¼" 50x1½" 63x2"
Equal Tee 	727208506 727208507 727208508 727208509 727208510 727208511	20 25 32 40 50 63	BSP Thread Adaptor Nipple Plain/ Threaded 	727910556 727910557 727910558 727910559 727910560 727910561	20x½" 25x¾" 32x1" 40x1¼" 50x1½" 63x2"
			BSP Thread		

THE SMARTER CHOICE.

+GF+ PVDF

POLYVINYLIDENFLUORIDE PIPING SYSTEM

The +GF+ PVDF piping system is renowned for its outstanding mechanical, physical and chemical characteristics and its ability to withstand a very wide temperature range from -20°C to 140°C.

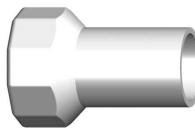
Polyvinylidenefluoride belongs to the class of fluorine polymers, that include polytetrafluor ethylene (PTFE). PTFE is characterized by extreme temperature resistance and the best chemical resistance of all plastics. Unfortunately it is not workable on a thermoplastic basis, which provides limited use as a piping system. In comparison PVDF combines the advantage of good workability in thermoplastic piping systems, while retaining the various advantages of PTFE. The Fluorine content of PVDF is 59%.

This high end piping system is ideally suited for the delivery of pharmaceutical grade purified water (PW) and DI water, using hot water, steam chemical or ozone sanitisation. Due to its excellent chemical resistance it is widely used in chemical distribution systems.

PVDF PIPE			
	Code	Size OD (mm)	Wall Thickness
Pipe, PN16*	PPVDF/016	16mm	1.9mm
	PPVDF/020	20mm	1.9mm
	PPVDF/025	25mm	1.9mm
	PPVDF/032	32mm	2.4mm
	PPVDF/040	40mm	2.4mm
	PPVDF/050	50mm	3.0mm
	PPVDF/063	63mm	3.0mm
	PPVDF/075	75mm	4.3mm
	PPVDF/090	90mm	4.3mm
	PPVDF/110	110mm	5.3mm

PVDF PN16* INFRA RED (IR) WELDED FITTINGS			
	Code	Size OD (mm)	
90° Bend 	735018706	20	
	735018707	25	
	735018708	32	
	735018709	40	
	735018710	50	
	735018711	63	
	735018712	75	
	735018713	90	
	735018714	110	
90° Elbow 	735108606	20	
	735108607	25	
	735108608	32	
	735108609	40	
	735108610	50	
	735108611	63	
45° Elbow 	735158606	20	
	735158607	25	
	735158608	32	
	735158609	40	
	735158610	50	
	735158611	63	
	735158612	75	
	735158613	90	
	735158614	110	
Equal Tee 	735208606	20	
	735208607	25	
	735208608	32	
	735208609	40	
	735208610	50	
	735208611	63	
	735208612	75	
	735208613	90	
	735208614	110	
Socket Union FPM 	735528606	20	
	735528607	25	
	735528608	32	
	735528609	40	
	735528610	50	
	735528611	63	
	735528612	75	
	735528613	90	
	735528614	110	
Reducer 	735908637	25x20	
	735908642	32x20	
	735908641	32x25	
	735908646	40x32	
	735908654	50x25	
	735908653	50x32	
	735908660	63x32	
	735908658	63x50	
	735908664	75x63	
	735908671	90x63	
	735908678	110x63	

+GF+ PVDF
POLYVINYLIDENFLUORIDE PIPING SYSTEM

PVDF PN16* INFRA RED (IR) WELDED FITTINGS					
	Code	Size OD (mm)		Code	Size OD (mm)
Stub Flange DIN 	735798806	20	Female Adaptor Fitting BSP 	735910285	20x $\frac{3}{8}$ "
	735798807	25		735910286	20x $\frac{1}{2}$ "
	735798808	32		735910287	25x $\frac{3}{4}$ "
	735798809	40		735910288	32x1"
	735798810	50		735910289	40x1 $\frac{1}{4}$ "
	735798811	63		735910290	50x1 $\frac{1}{2}$ "
	735798812	75		735910291	63x2"
	735798813	90			
	735798814	110			
Stub Flange ANSI 	735798857	25	Male Adaptor Fitting BSP 	735910555	20x $\frac{3}{8}$ "
	735798858	32		735910556	20x $\frac{1}{2}$ "
	735798859	40		735910557	25x $\frac{3}{4}$ "
	735798860	50		735910558	32x1"
	735798861	90		735910559	40x1 $\frac{1}{4}$ "
				735910560	50x1 $\frac{1}{2}$ "
				735910561	63x2"

SOCKET FUSION FITTINGS AVAILABLE ON REQUEST

* based on water @ 20°C

THE SMARTER CHOICE.

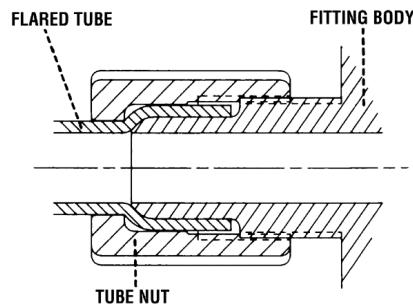
PFA

TUBE AND FITTINGS

This industrial grade flexible tubing system is manufactured PFA. Although similar to PTFE, PFA is mechanically superior, has 1/10th the creep characteristics, and is transparent. The most common usage for this material is chemical dosing, where transportation of highly corrosive chemicals are used.

PFA fittings are specifically designed, tested and characterized to work together with industrial grade PFA tube. Fittings are connected to the tube by first heating the end of the tube with a hot air gun and expanding or flaring the end of the tube using a flaring mandrel.

This flared end is then inserted into the fitting body before tightening the nut.



Assembly Instructions

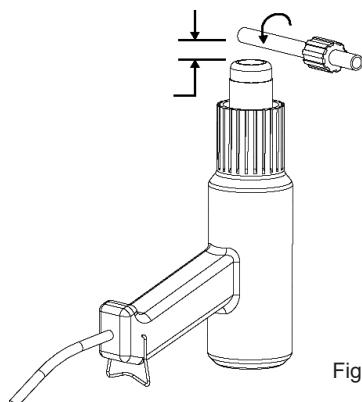


Figure 1

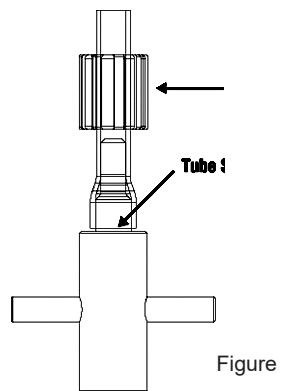


Figure 2

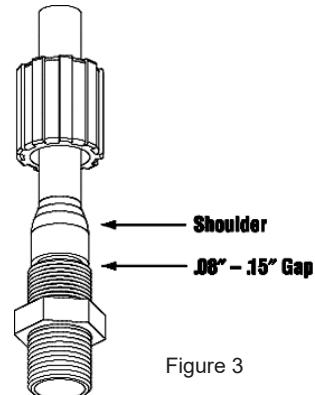


Figure 3

Heat Flaring Instructions

The flaring process provides a permanent expansion (flare) of the tubing end, allowing insertion of the fitting body. Proper tube flaring and fitting assembly results in a very secure tubing connection.

1. Set the hot air gun on "High". Hold the PFA tubing end flush with the heater edge and 1/2" to 3/4" above the heater (see Figure 1) and slowly rotate the tubing 360° for 25 seconds, or until a fine, clear line appears around the tubing. Note: It is very important to fully rotate the tubing over the heat source so all surface areas receive an equal amount of heat. Uniform heating is essential to making a good flare.
2. Remove the PFA tubing from the heat source. Immediately push the flaring mandrel (see Figure 2) into the tubing until the end of the tubing reaches the tube stop.
3. Firmly hold the tubing onto the mandrel for 20 seconds
4. Let the flared tubing continue to cool on the mandrel for 2 minutes for 3/8" tubing or 3 minutes for 1/2" and 3/4" tubing.
5. The flaring process is now complete and the mandrel may be removed from the tube.
6. Push the flared tubing end onto the fitting body until the end of the fitting body contacts the flare shoulder of the tube (see Figure 3). The maximum gap between the tube end and end of threads should be .08 -.15".
7. Tighten the nut onto the fitting body until handtight.

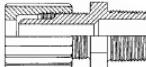
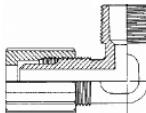
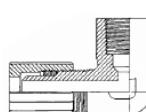
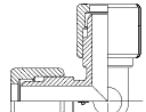
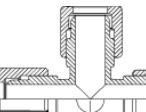
PFA INDUSTRIAL GRADE TUBE			
	Code	Size (OD)	ID
PFA Tube	TPFATUBE/008	1/4"	3.95mm
	TPFATUBE/010	5/16"	6.33mm
	TPFATUBE/015	1/2"	9.5mm
	TPFATUBE/020	5/8"	15.85mm
	TPFATUBE/025	1"	22.2mm

Sold by the metre, available in coil lengths up to 100 metres

PFA

TUBE & FITTINGS

PFA FLARE FITTINGS

	Code	Size (OD x NPT)		Code	Size (OD x NPT)
Male Adaptor 	FPPFAMADPT/008x1/4	1/4" x 1/4"	Male Elbow 	FPPFAMEL90/008x1/4	1/4" x 1/4"
	FPPFAMADPT/010x1/2	5/8" x 1/2"		FPPFAMEL90/010x1/4	3/8" x 1/4"
	FPPFAMADPT/010x1/4	5/8" x 1/4"		FPPFAMEL90/010x3/8	3/8" x 3/8"
	FPPFAMADPT/010x3/8	5/8" x 3/8"		FPPFAMEL90/015x1/2	1/2" x 1/2"
	FPPFAMADPT/015x1/2	1/2" x 1/2"		FPPFAMEL90/015x3/8	1/2" x 3/8"
	FPPFAMADPT/015x1/4	1/2" x 1/4"		FPPFAMEL90/020x1/2	3/4" x 1/2"
	FPPFAMADPT/015x3/8	1/2" x 3/8"		FPPFAMEL90/020x3/4	3/4" x 3/4"
	FPPFAMADPT/020x1/2	3/4" x 1/2"		FPPFAMEL90/020x3/8	3/4" x 3/8"
	FPPFAMADPT/020x3/4	3/4" x 3/4"		FPPFAMEL90/025x1	1" x 1"
	FPPFAMADPT/025x1	1" x 1"		FPPFAMEL90/025x1/2	1" x 1/2"
NPT Thread	FPPFAMADPT/025x1/2	1" x 1/2"		FPPFAMEL90/025x3/4	1" x 3/4"
	FPPFAMADPT/025x3/4	1" x 3/4"	Female Elbow 	FPPFAFEL90/008x1/4	1/4" x 1/4"
	FPPFAFMADPT/008x1/4	1/4" x 1/4"		FPPFAFEL90/010x1/4	3/8" x 1/4"
	FPPFAFMADPT/010x1/4	5/8" x 1/4"		FPPFAFEL90/010x3/8	3/8" x 3/8"
NPT Thread	FPPFAFMADPT/010x3/8	5/8" x 3/8"		FPPFAFEL90/015x1/2	1/2" x 1/2"
	FPPFAFMADPT/015x1/2	1/2" x 1/2"		FPPFAFEL90/015x3/8	1/2" x 3/8"
	FPPFAFMADPT/015x3/8	1/2" x 3/8"		FPPFAFEL90/020x1/2	3/4" x 1/2"
	FPPFAFMADPT/020x1/2	3/4" x 1/2"		FPPFAFEL90/020x3/4	3/4" x 3/4"
	FPPFAFMADPT/020x3/4	3/4" x 3/4"		FPPFAFEL90/020x3/8	3/4" x 3/8"
	FPPFAFMADPT/025x1	1" x 1"		FPPFAFEL90/025x1	1" x 1"
	FPPFAFMADPT/025x1/2	1" x 1/2"		FPPFAFEL90/025x1/2	1" x 1/2"
	FPPFAFMADPT/025x3/4	1" x 3/4"		FPPFAFEL90/025x3/4	1" x 3/4"
	FPPFASOUN/008	1/4"	Union Elbow 	FPPFAEL90/008	1/4"
	FPPFASOUN/010	5/8"		FPPFAEL90/010	3/8"
Straight Union	FPPFASOUN/015	1/2"		FPPFAEL90/015	1/2"
	FPPFASOUN/020	3/4"		FPPFAEL90/020	3/4"
	FPPFASOUN/025	1"		FPPFAEL90/025	1"
Male Adaptor with BSP thread	FPFAMADPTB-SP/015X1/2	1/2" x 1/2"	Union Tee 	FPPFATEE/008	1/4"
	FPFAMADPTB-SP/015X3/4	1/2" x 3/4"		FPPFATEE/010	3/8"
	FPFAMADPTB-SP/020X1/2	3/4" x 1/2"		FPPFATEE/015	1/2"
	FPFAMADPTB-SP/020X3/4	3/4" x 3/4"		FPPFATEE/020	3/4"
	FPFAMADPTBSP/025X1	1" x 1"		FPPFATEE/025	1"

PFA TOOLING

	Code	Size (OD)
Flare Tools	FPPFAFLARETOOL/008	1/4"
	FPPFAFLARETOOL/010	5/8"
	FPPFAFLARETOOL/015	1/2"
	FPPFAFLARETOOL/020	3/4"
	FPPFAFLARETOOL/025	1"

PFA VALVING



**A RANGE OF PFA VALVES
ARE AVAILABLE ON REQUEST**

THE SMARTER CHOICE.

PIPE CLIPS, SPACERS AND GASKETS

FOR PLASTIC PIPING SYSTEMS

METRIC PIPE CLIPS

	Code	Size (OD)
PP GF061H Pipe Clip ISO/DIN 546	167061003	10mm
	167061004	12mm
	167061035	16mm
	167061036	20mm
	167061037	25mm
	167061038	32mm
	167061039	40mm
	167061040	50mm
	167061041	63mm
	167061012	75mm
	167061013	90mm
	167061014	110mm

IMPERIAL PIPE CLIPS

	Code	Size (NB)
PP GF061H Pipe Clip BS/ASTM GF546	167061086	15mm
	167061087	20mm
	167061088	25mm
	167061089	32mm
	167061090	40mm
	167061091	50mm
	167061112	65mm
	167061013	90mm
	167061114	100mm

SPACERS

	Code	Size (OD)
PP GF061 Spacer	167061155	16mm - $\frac{3}{8}$ "
	167061156	20mm - $\frac{1}{2}$ "
	167061157	25mm - $\frac{3}{4}$ "
	167061158	32mm - 1"
	167061159	40mm - $1\frac{1}{4}$ "
	167061160	50mm - $1\frac{1}{2}$ "
	167061161	63mm - 2"
	167061162	75mm - $2\frac{1}{2}$ "
	167061163	90mm - 3"
	167061164	110mm - 4"

Spacers are designed to be used with the +GF+ 061 pipe clip

COBRA CLIPS

	Code	Size (OD)
Cobra Pipe Clip	FABSPCCC/15-3/8	15mm - $\frac{3}{8}$ "
	FABSPCCC/20-1/2	20mm - $\frac{1}{2}$ "
	FABSPCCC/25-3/4	25mm - $\frac{3}{4}$ "
	FABSPCCC/32-1	32mm - 1"
	FABSPCCC/4011/4	40mm - $1\frac{1}{4}$ "
	FABSPCCC/5011/2	50mm - $1\frac{1}{2}$ "
	FABSPCCC/63-2	63mm - 2"
	FABSPCCC/7521/2	75mm - $2\frac{1}{2}$ "
	FABSPCCC/90-3	90mm - 3"

METRIC DOUBLE BOLT CLIPS

	Code	Size (OD)
PP GF Pipe Clip Double Bolt	FPCM/110	110mm
	FPCM/125	125mm
	FPCM/140	140mm
	FPCM/160	160mm
	FPCM/180	180mm
	FPCM/200	200mm
	FPCM/225	225mm
	FPCM/250	250mm
	FPCM/280	280mm
	FPCM/315	315mm
	FPCM/355	355mm
	FPCM/400	400mm

IMPERIAL DOUBLE BOLT CLIPS

	Code	Size (OD)
PP GF Pipe Clip Double Bolt	FPCI/080	3"
	FPCI/100	4"
	FPCI/150	6"
	FPCI/200	8"

IMPERIAL SADDLE CLIPS

	Code	Size (OD)
ABS Pipe Clip Saddle PP	FABSPCSA/015	15mm
	FABSPCSA/020	20mm
	FABSPCSA/025	25mm
	FABSPCSA/032	32mm
	FABSPCSA/040	40mm
	FABSPCSA/050	50mm
	FABSPCSA/080	80mm
	FABSPCSA/100	100mm

PIPE CLIPS, SPACERS AND GASKETS

FOR PLASTIC PIPING SYSTEMS

INDUSTRIAL GASKETS

	Code	Size (OD)		Code
PTFE Coated EPDM Gasket FF ANSI	GAP/015 GAP/020 GAP/025 GAP/032 GAP/040 GAP/050 GAP/065 GAP/080 GAP/100 GAP/150 GAP/200	15mm 20mm 25mm 32mm 40mm 50mm 65mm 80mm 100mm 150mm 200mm		FABSGFF150/015 FABSGFF150/020 FABSGFF150/025 FABSGFF150/032 FABSGFF150/040 FABSGFF150/050 FABSGFF150/065 FABSGFF150/080 FABSGFF150/100 FABSGFF150/150 FABSGFF150/200
PTFE Coated EPDM Gasket FF ISO/DIN	GAPDIN/025 GAPDIN/050 GAPDIN/065 GAPDIN/080	25mm 50mm 65mm 80mm	EPDM Full Faced Gasket ANSI 150	FABSGFF4504/040 FABSGFF4504/050 FABSGFF4504/065 FABSGFF4504/080 FABSGFF4504/100
			EPDM Full Faced Gasket EN1092 PN16	FABSGFFTE/015 FABSGFFTE/020 FABSGFFTE/025 FABSGFFTE/032 FABSGFFTE/040 FABSGFFTE/050 FABSGFFTE/065 FABSGFFTE/080 FABSGFFTE/100 FABSGFFTE/125 FABSGFFTE/150 FABSGFFTE/200
			EPDM Full Faced Gasket Table E	



**EPDM Full Faced
Gasket ANSI 150**



**EPDM Full Faced
Gasket EN1092 PN16**



**EPDM Full Faced
Gasket Table E**



THE SMARTER CHOICE.

BACKING RINGS

AND DRESSING SETS

GALVANISED AND SS BACKING RINGS FOR PVC/ABS

	Code	Size (NB) mm			Code	Size (NB) mm
Galvanised Backing Ring for ABS/PVC ANSI150 Drilling	FABSBRG150/015	15	Galvanised Backing Ring for uPVC Table D Drilling		FUPVCBRGTD/225	225
	FABSBRG150/020	20			FUPVCBRGTD/250	250
	FABSBRG150/025	25				
	FABSBRG150/032	32				
	FABSBRG150/040	40				
	FABSBRG150/050	50				
	FABSBRG150/065	65				
	FABSBRG150/080	80				
	FABSBRG150/100	100				
	FABSBRG150/125	125				
	*FABSBRG150/150	150				
	*FABSBRG150/200	200				
Galvanised Backing Ring for ABS/PVC Table E Drilling	FABSBRGTE/015	15	Galvanised Backing Ring for uPVC Table E Drilling		FUPVCBRGTE/125	125
	FABSBRGTE/020	20			FUPVCBRGTE/150	150
	FABSBRGTE/025	25			FUPVCBRGTE/175	175
	FABSBRGTE/032	32			FUPVCBRGTE/200	200
	FABSBRGTE/040	40			FUPVCBRGTE/225	225
	FABSBRGTE/050	50			FUPVCBRGTE/250	250
	FABSBRGTE/065	65			FUPVCBRGTE/300	300
	FABSBRGTE/080	80			FUPVCBRGTE/400	400
	FABSBRGTE/100	100				
	FABSBRGTE/125	125				
	*FABSBRGTE/150	150				
	*FABSBRGTE/200	200				
Galvanised Backing Ring for ABS/PVC BS4504 Drilling	*FABSBRGTE/250	250	Stainless Steel Backing Ring for ABS/PVC Table E Drilling			
	*FABSBRGTE/300	300			FABSBRSSTE/050	50
Galvanised Backing Ring for ABS/PVC ANSI 150 Drilling	FABSBRG4504/050	50			FABSBRSSTE/080	80
	FABSBRG4504/065	65			FABSBRSSTE/100	100
	FABSBRG4504/080	80			*FABSBRSSTE/150	150
	FABSBRG4504/100	100				
	FABSBRG4504/125	125				
	*FABSBRG4504/150	150				
	*FABSBRG4504/200	200				
Socket Fusion Backing Ring ANSI 150 Drilling	FPPVBR150BF/090	90	Butt Fusion Backing Ring ISO/DIN Drilling		FPPVBRDINBF/090	90
	FPPVBR150BF/110	110			FPPVBRDINBF/110	110
	FPPVBR150BF/160	160			FPPVBRDINBF/125	125
	FPPVBR150BF/200	200			FPPVBRDINBF/140	140
	FPPVBR150BF/225	225			FPPVBRDINBF/160	160
	FPPVBR150BF/250	250			FPPVBRDINBF/180	180
	FPPVBR150BF/280	280			FPPVBRDINBF/200	200
	FPPVBR150BF/315	315			FPPVBRDINBF/250	250
					FPPVBRDINBF/280	280
					FPPVBRDINBF/315	315
Socket Fusion Backing Ring ISO/DIN Drilling	FPPVBR150SF/020	20	Socket Fusion Backing Ring ISO/DIN Drilling		FPPVBRDINSF/020	20
	FPPVBR150SF/025	25			FPPVBRDINSF/025	25
	FPPVBR150SF/032	32			FPPVBRDINSF/032	32
	FPPVBR150SF/040	40			FPPVBRDINSF/040	40
	FPPVBR150SF/050	50			FPPVBRDINSF/050	50
	FPPVBR150SF/063	63			FPPVBRDINSF/063	63
	FPPVBR150SF/075	75			FPPVBRDINSF/075	75
	FPPVBR150SF/090	90			FPPVBRDINSF/090	90
	FPPVBR150SF/110	110			FPPVBRDINSF/110	110
	FPPVBR150SF/160	160			FPPVBRDINSF/140	140
	FPPVBR150SF/225	225			FPPVBRDINSF/280	280
	FPPVBR150SF/280	280			FPPVBRDINSF/315	315
	FPPVBR150SF/315	315				

PP BACKING RINGS FOR INDUSTRIAL /MECHANICAL APPLICATIONS

	Code	Size (OD) mm			Code	Size (OD) mm
Butt Fusion Backing Ring ANSI 150 Drilling	FPPVBR150BF/090	90	Butt Fusion Backing Ring ISO/DIN Drilling		FPPVBRDINBF/090	90
	FPPVBR150BF/110	110			FPPVBRDINBF/110	110
	FPPVBR150BF/160	160			FPPVBRDINBF/125	125
	FPPVBR150BF/200	200			FPPVBRDINBF/140	140
	FPPVBR150BF/225	225			FPPVBRDINBF/160	160
	FPPVBR150BF/250	250			FPPVBRDINBF/180	180
	FPPVBR150BF/280	280			FPPVBRDINBF/200	200
	FPPVBR150BF/315	315			FPPVBRDINBF/250	250
					FPPVBRDINBF/280	280
					FPPVBRDINBF/315	315
Socket Fusion Backing Ring ISO/DIN Drilling	FPPVBR150SF/020	20	Socket Fusion Backing Ring ISO/DIN Drilling		FPPVBRDINSF/020	20
	FPPVBR150SF/025	25			FPPVBRDINSF/025	25
	FPPVBR150SF/032	32			FPPVBRDINSF/032	32
	FPPVBR150SF/040	40			FPPVBRDINSF/040	40
	FPPVBR150SF/050	50			FPPVBRDINSF/050	50
	FPPVBR150SF/063	63			FPPVBRDINSF/063	63
	FPPVBR150SF/075	75			FPPVBRDINSF/075	75
	FPPVBR150SF/090	90			FPPVBRDINSF/090	90
	FPPVBR150SF/110	110			FPPVBRDINSF/110	110
	FPPVBR150SF/160	160			FPPVBRDINSF/140	140
	FPPVBR150SF/225	225			FPPVBRDINSF/280	280
	FPPVBR150SF/280	280			FPPVBRDINSF/315	315
	FPPVBR150SF/315	315				

BACKING RINGS

AND DRESSING SETS

FBE COATED BACKING RINGS FOR PE

	Code	Size (OD) mm
FBE Coated Backing Ring for PE 4087 PN16 Drilling	FPEBRNTD/063	63
	*FPEBRNTD/090	90
	FPEBRNTD/110	110
	FPEBRNTD/125	125
	FPEBRNTD/160	160
	FPEBRNTD/180	180
	FPEBRNTD/225	225
	FPEBRNTD/250	250
	FPEBRNTD/315	315
	FPEBRNTD/355	355
	FPEBRNTD/400	400
	FPEBRNTD/450	450
	FPEBRNTD/500	500
	FPEBRNTD/560	560
	FPEBRNTD/630	630

*Multi drilling includes 3/12" Hydrant drilling



*Multi drilling includes 3/12" Hydrant drilling

FBE Coated Backing Ring for PE Table E Drilling



GALVANISED BACKING RINGS FOR PE

	Code	Size (OD) mm
Galvanised Backing Ring for PE 4087 PN16 Drilling	FPEBRGTD/032	32
	FPEBRGTD/040	40
	FPEBRGTD/050	50
	FPEBRGTD/063	63
	FPEBRGTD/075	75
	FPEBRGTD/090	90
	FPEBRGTD/110	110
	FPEBRGTD/125	125
	FPEBRGTD/140	140
	FPEBRGTD/160	160
	FPEBRGTD/180	180
	FPEBRGTD/200	200
	FPEBRGTD/225	225
	FPEBRGTD/250	250
	FPEBRGTD/280	280
	FPEBRGTD/315	315
	FPEBRGTD/355	355
	FPEBRGTD/400	400
	FPEBRGTD/450	450
	FPEBRGTD/500	500
	FPEBRGTD/560	560
	FPEBRGTD/630	630
	FPEBRGTD/710	710
	FPEBRGTD/800	800
	FPEBRGTD/900	900
	FPEBRGTD/1000	1000
	FPEBRGTD/1200	1200

Galvanised Backing Ring for PE Table E Drilling



Galvanised Backing Ring for PE Table E Drilling



DRESSING SETS FOR PE

	Code	Size (OD) mm	Bolt Length mm
Dressing Set 316SS Bolts Table D EPDM Gasket	FPEHDRESS316TD/063	63	75
	FPEHDRESS316TD/075	75	75
	FPEHDRESS316TD/090	90	90
	FPEHDRESS316TD/110	110	90
	FPEHDRESS316TD/125	125	90
	*FPEH-DRESS316TD/140	140	90
	FPEHDRESS316TD/160	160	110
	FPEHDRESS316TD/180	180	110
	FPEHDRESS316TD/200	200	110
	FPEHDRESS316TD/225	225	110
	FPEHDRESS316TD/250	250	110
	FPEHDRESS316TD/280	280	110
	FPEHDRESS316TD/315	315	130
	FPEHDRESS316TD/355	355	130
Dressing Set Galv Bolts Table D EPDM Gasket	FPEHDRESSGTD/063	63	75
	FPEHDRESSGTD/075	75	75
	FPEHDRESSGTD/090	90	90
	FPEHDRESSGTD/110	110	90
	FPEHDRESSGTD/125	125	90
	*FPEHDRESSGTD/140	140	90
	FPEHDRESSGTD/160	160	110
	FPEHDRESSGTD/180	180	110
	FPEHDRESSGTD/200	200	110
	FPEHDRESSGTD/225	225	110
	FPEHDRESSGTD/250	250	110
	FPEHDRESSGTD/280	280	110
	FPEHDRESSGTD/315	315	130
	FPEHDRESSGTD/355	355	130



* Table D/E



* Table D/E

SS 316 BACKING RINGS FOR PE

	Code	Size (OD) mm
SS 316 Backing Ring for PE, 4087 PN16 Drilling	FPEBRSSTD/090	90
	FPEBRSSTD/110	110
	FPEBRSSTD/125	125
	FPEBRSSTD/160	160
	FPEBRSSTD/180	180
	FPEBRSSTD/225	225
	FPEBRSSTD/250	250
	FPEBRSSTD/315	315
	FPEBRSSTD/355	355
	FPEBRSSTD/400	400
	FPEBRSSTD/450	450
	FPEBRSSTD/500	500
	FPEBRSSTD/630	630
	FPEBRSSTD/710	710
	FPEBRSSTD/800	800
	FPEBRSSTD/900	900
SS 316 Backing Ring for PE Table E Drilling	FPEBRSSTE/160	160
	FPEBRSSTE/280	280
	FPEBRSSTE/450	450
	FPEBRSSTE/560	560

SS 316 Backing Ring for PE Table E Drilling



SS 316 Backing Ring for PE Table E Drilling



THE SMARTER CHOICE.

+GF+ SIGNET

FLOW MEASUREMENT AND INSTRUMENTATION

George Fischer Signet delivers sophisticated, advanced flow and analytical technology, which offer accuracy, dependability, ease of use, and minimal maintenance. Every sensor, transmitter, controller and monitor manufactured meets the highest of standards. Engineered for performance, Signet products are ideally suited for Chemical Process, Food and Beverage, Life Sciences, Shipbuilding, Semiconductor, Water and Waste Water Treatment, including the Pool Industry, and Agriculture.

This product list is designed to be read in conjunction with the +GF+ Signet Catalogue, available on request. For details on the +GF+ Signet range of Analytical Instrumentation, please refer to the separate product list.

2551 INSERTION MAGMETER

Signet Insertion Magmeters feature no moving parts to wear or foul and high accuracy sensing without the excessive costs associated with full bore magnetic flow units. The units accurately measure flow in fluids containing a high content of particles, solids and fibres, making them an excellent choice for applications with dirty fluids. A minimum conductivity of 20 μ S is required.

Magmeters have three signal output options: frequency, digital, or 4-20mA, for long distance signal transmission application requirements. Basic diagnostic capabilities allow the user to optimize the meter for each application. The 4 to 20mA output is factory spanned and can be modified in the field using the PC compatible accessory set-up tool, model 3-0250.

Suits flow velocities 0.05 to 10 m/s, and pipe sizes up to DN300

		Code
Blind Meter	Frequency Output	SG3-2551-P0-11 SG3-2551-P1-11 SG3-2551-P2-11
	4-20mA Output	SG3-2551-P0-12 SG3-2551-P1-12 SG3-2551-P2-12
With Display	Frequency Output	SG3-2551-P0-41 SG3-2551-P1-41 SG3-2551-P2-41
	4-20mA Output	SG3-2551-P0-42 SG3-2551-P1-42 SG3-2551-P2-42

2580 FLOWTRAMAG FULL-BORE MAGMETER

The Signet 2580 FlowtraMag is a full-bore plastic PVC in line style magnetic flowmeter. The PVC body with titanium electrodes has no moving parts, and is two to three times lighter in weight compared to traditional metal magmeters on the market. It is designed for high accuracy flow measurement in short pipe runs, making it an ideal solution for industrial applications where performance and ease of use are important.

The FlowtraMag is available in pipe sizes of 1", 2" and 4", optimized for performance in short pipe runs often associated with final effluent lines, well heads and water treatment skids.

		Code
Full-Bore Magmeter, 25mm PVC Union Ends FKM Seals		SG3-2580-P-T-010
Full-Bore Magmeter, 50mm PVC Union Ends FKM Seals		SG3-2580-P-T-020
Full-Bore Magmeter, 100mm PVC ANSI 150 Flanged Ends FKM Seals		SG3-2580-P-T-040

+GF+ SIGNET

FLOW MEASUREMENT AND INSTRUMENTATION

FLOW SENSORS

Paddlewheel sensors offer traditional, dependable, and accurate flow measurement. They can be used in conjunction with separately mounted digital displays, or as blind sensors.

515 ROTOR-X PADDLEWHEEL

	Code
	SGP51530-P0
	SGP51530-P1
	SGP51530-P2
	SG3-8510-P0
	SG3-8510-P1
	SG3-8512-P0
	SG3-8512-P1

Suit flow velocities of 0.3 to 6m/s. They have a sinusoidal output capable of driving a self powered flowmeter, such as the 3-5090.

525 METALEX FLOW SENSOR

	Code
	SGP525-1
	SGP525-2

Suitable for extreme pressures and temperatures, for flow velocities 0.5 to 6m/s. Requires socketweld or weldon installation fittings sold separately.

Compatible with 9900 Transmitter

2540 STAINLESS STEEL FLOW SENSOR

	Code
	SG3-2540-2
	SG3-2540-4

Strength and corrosion resistance of 316 Stainless Steel, and the convenience of an insertion sensor design. Suitable for flow velocities 0.1 to 6m/s.

2540-2 is suitable for pipes up to DN600. The 2540-4 suits up to DN900, and includes a bleed valve for hot tap installations. Both models mount using a 1-1/2in Thread.

Compatible with 9900 Transmitter

2536 ROTOR-X PADDLEWHEEL

	Code
	SG3-2536-P0
	SG3-2536-P1
	SG3-2536-P2
	SG3-8512-P0
	SG3-8512-P1

Low flow model, with process ready open-collector output, and good noise immunity. Suit flow velocities 0.1 to 6m/s, accepts a 3-24V power supply.

2537 BLIND PADDLEWHEEL FLOW SENSOR

	Code
	SG3-2537-2C-P0 SG3-2537-2C-P1
	SG3-2537-6C-P0 SG3-2537-6C-P1

The 2537 blind Paddlewheel flow sensor combines a traditional paddlewheel flow sensor with a blind output option. It is a standalone unit, with no external display. Measures flow velocities down to 0.1 m/s, Outputs can be connected directly to Chart Recorders, PLC's, or pump VSD's by using either the pulse divider with configurable range and width, or the programmable 4-20mA Output.

The 2537 can also be used as a flow switch, with programmable low and high set points, and adjustable hysteresis. Stand-alone unit.

THE SMARTER CHOICE.

+GF+ SIGNET

FLOW MEASUREMENT AND INSTRUMENTATION

9900 FLOW TRANSMITTER

"At a glance visibility" due to extra large characters and a digital bar graph from an auto-sensing backlit LCD display. Single sensor input compatible with signals from all GF Signet Flow, pH/ORP, Conductivity, Salinity, Pressure or Temperature sensors as well as any non-GF Signet sensors that outputs a 4-20mA signal (requires GF Signet 8058 signal convertor).

One permanent and one resettable totaliser, LED relay or warning indicators. Analogue (4 – 20MA) and open collector with user selectable pulse units output.

Relay module and batch controller modules are optional extras and can be retrofitted (Panel version only).

Panel or field mount versions available.
Requires 12 to 32VDC power supply.

Code
SG3-9900-1
SG3-9900-1P SG3-9900-1BC

MOUNTING KIT

Code

Universal mount kit



to mount field transmitter on to a wall or other flat surface

SG3 - 8050

Integral mount kit



to mount field transmitter on to the top of an integral sensor

SG3 - 8051

OPTIONAL EXTRAS

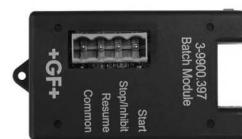
Code

Relay Module



SG3-9900.393

Batch Module



SG3-9900.397

8900 MULTI-PARAMETER INSTRUMENT

This instrument is built to order from user specified modules. With up to 6 inputs that can include flow, pH/ORP, conductivity, pressure, temperature and/or turbidity and up to 4 outputs,(analogue and relays). AC and DC power options are available.

Advanced relay logic allows up to 3 measurement sources to trigger relay.

Derived measurements include: difference, sum, ratio, percent recovery, percent rejection, percent passage and BTU (or Kw)
Price varies depending on configuration; please enquire.

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FLOW MEASUREMENT AND INSTRUMENTATION

INSTALLATION FITTINGS

All the previously mentioned Flow Sensors measure flow velocity at a set point, and from this calculate the total flow rate through the pipe system. For accurate and repeatable measurements fully developed turbulent flow is required. For full details and installation requirements refer to GF Signet Literature.

For optimum accuracy Signet recommend that the pin on a paddlewheel flow sensor, or the tip of an Insertion Magmeter, is positioned at a point 10% of the Pipe ID from the inside of the pipe wall.

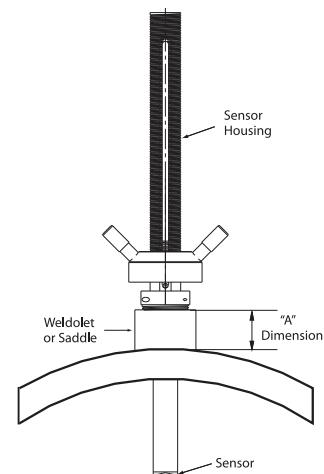
Installation fittings broadly fit into 2 categories, depending on the flow sensor to be used.

FITTINGS FOR 2540 AND 2552 METAL FLOW METERS

The 1-1/4in or 1-1/2in mounting thread allows the use of a conventional branch saddle, or Weld-o-let.

Sensors can easily be fitted to PE pipes (as shown here) using Electrofusion Saddles and threaded adaptors.

Hot-tap installations can also be easily incorporated.



FITTINGS FOR 515, 2536, 2537, PADDLEWHEELS, AND 2551 INSERTION MAGMETERS

For smaller diameter Schedule 80 PVC pipelines Signet offer off the shelf installation fittings which meet this requirement. For other materials, configurations, and pipe diameters a variety of installation options are available.

Flow meters are available with differing insertion depths to suit the pipe diameter.

For plastic, and other pipes with thicker walls, it is sometimes necessary to use a longer sensor.

	Code	Insertion Depth	Nominal Pipe Size
PO	51mm	up to DN100	
P1	84mm	DN100 to DN200	
P2	160mm	DN250 and above	

SCHEDULE 80 PVC TEES

	Code	Size
Tee	SGPV8T005F	15mm
	SGPV8T010F	25mm
	SGPV8T012F	32mm
	SGPV8T015F	40mm
	SGPV8T020	50mm

Suit Schedule 80 PVC Pipework. 80 and 100mm sizes compatible with NZS PVC Pipe

PVC CLAMP-ON SADDLES

	Code	Size
Clamp-on Saddle	SGPV8S030	80mm
	SGPV8S040	100mm
	SGPV8S060	150mm

Suit Schedule 80 PVC Pipework. 80 and 100mm sizes compatible with NZS PVC Pipe

PP ADAPTOR INSERTS

	Code
For larger pipe diameters it is necessary to use either a conventional saddle, or weld-o-let, in conjunction with a threaded adaptor. For plastic pipes the Alprene saddles from Asmuss are ideal. Some machining may be required.	
Note: Inserts only. Saddles are sold separately.	



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ANALYTICAL MEASUREMENT AND INSTRUMENTATION

George Fischer Signet delivers sophisticated, advanced flow and analytical technology, which offer accuracy, dependability, ease of use, and minimal maintenance. Every sensor, transmitter, controller and monitor manufactured meets the highest of standards. Engineered for performance, Signet products are ideally suited for Chemical Process, Food and Beverage, Life Sciences, Shipbuilding, Semiconductor, Water and Waste Water Treatment, including the Pool Industry, and Agriculture.

This product list is designed to be read in conjunction with the +GF+ Signet Catalogue, available on request. For details on the +GF+ Signet range of Flow Instrumentation, please refer to the separate product list.

ANALYTICAL - PH / ORP

The Signet 2724-2726 pH and ORP electrodes feature a patented reference electrode design and use the unique foul-proof patented DryLoc® connector, with gold plated contacts. The robust Ryton® threaded sensor body and choice of flat pH, bulb pH, or flat ORP sensing elements provides broad range of chemical compatibility for a wide variety of applications.

The Signet 2764-2767 Differential pH & ORP electrodes are built to handle even the most extreme and harshest of chemical applications. The pH and reference electrodes are measured against a ground electrode, insuring a steady, stable signal. To ensure a long service life, the reference cell features a refillable electrolyte chamber and a replaceable equitransferant salt bridge, both easily serviced in the field.

(The 2714 Twist-Loc series of electrodes and associated preamplifiers has been discontinued, and replaced with the below)

2724-2726 PH AND ORP ELECTRODES



	Code
For Use with 2750 Sensor Electronics and 9900 Transmitter	Flat pH SG3-2724-00 Bulb pH SG3-2726-00 Bulb pH, HF SG3-2726-HF-00 Bulb pH, Low Cond. SG3-2726-LC-00
For Use with 2760 Preamplifier and 8750 Transmitter	Flat pH SG3-2724-10 Bulb pH SG3-2726-10 Bulb pH, HF SG3-2726-HF-10 Bulb pH, Low Cond. SG3-2726-LC-10
For Use with either 2750 or 2760	Flat, ORP SG3-2725-60

Mount using Signet Install Tee or 3/4" thread

2764-2767 DIFFERENTIAL PH AND ORP ELECTRODES



	Code
For Use with 2750 Sensor Electronics and 9900 Transmitter	Flat pH SG3-2764-2 Bulb pH SG3-2766-2
For Use with 2760 Preamplifier and 8750 Transmitter	Flat pH SG3-2764-1 Bulb pH SG3-2766-1
For Use with either 2750 or 2760	Flat, ORP SG3-2765-1

Mount using Signet Install Tee or 1" NPT thread. Other Differential Electrodes are available for use with the Signet Multiparameter unit, and also as 3000 units for connection to other brands of instruments.

2751 SENSOR ELECTRONICS FOR DIRECT 4-20MA OUTPUT



	Code
Inline Sensor, Yellow Body	Electrics Only for use with 9900 4-20mA output with EasyCal SG3-2751-1 SG3-2751-2
Submersible Sensor, NPT	Electronics Only for use with 9900 SG3-2751-3

Produces a direct 4-20mA output for use when a blind meter is required. EasyCal feature recognises common pH and ORP buffer values.

 **O800 ASMUSS**

+GF+ SIGNET

ANALYTICAL MEASUREMENT AND INSTRUMENTATION

ANALYTICAL - pH / ORP

Signet pH and ORP electrodes can be used with a sensor electronics unit as a stand alone "blind" instrument with 4-20mA output, or combine with the +GF+ Signet 9900 Transmitter for local display and various output and control functions.

9900 MULTI-INSTRUMENT TRANSMITTER

		Code
	Field Mount	SG3-9900-1
	Panel Mount	SG3-9900-1P
	Optional Extras	Relay Module
		SG3-9900.393
		Conductivity Module
		SG3-9900.394
	8050 Universal Mount Kit	SG3-8050

"At a glance visibility" due to extra large characters and a digital bar graph from an auto-sensing backlit LCD display. Single sensor input compatible with signals from all GF Signet Flow, pH/ORP, Conductivity, Salinity, Pressure or Temperature sensors as well as any non-GF Signet sensors that outputs a 4-20mA signal (requires GF Signet 8058 signal convertor). One permanent and one resettable totaliser, LED relay or warning indicators.

Analogue (4 – 20MA) and open collector with user selectable pulse units output.

Relay module is an optional extra and can be retrofitted (Panel version only). Panel or field mount versions available. Requires 12 to 32VDC power supply.

Universal Mount Kit is used to mount a field mount transmitter onto a pipe, wall, or other flat surface.

pH / ORP CALIBRATION AND MAINTENANCE SOLUTIONS

	Code			Code
Buffer Solutions	SG3-0700.390		Replacements for Differential Electrodes	3864-0001
				3864-0002

The mV output from the pH electrode is created by the interaction between the electrode and the fluid. The electrode contains a gel that depletes over time, so the instrument must be readjusted periodically to maintain system accuracy.

The Signet pH buffers are ideal for routine calibration requirements.

For ease of transportation, pH buffer kits are available in powder form. 1 kit provides enough to make 50mls of 4,7, and 10pH buffer solution.

Signet Differential pH and ORP electrodes can be used in more aggressive applications, and can be maintained to improve their service life before replacement becomes necessary.

If readings become inaccurate by more than 50mV it is recommended to replace the electrolyte solution.

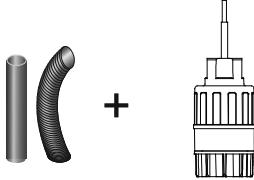
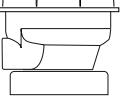
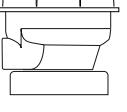
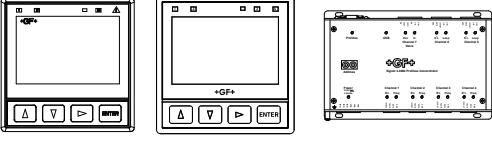
If readings start to slowly drift, or respond slowly, then the salt bridge should be replaced.

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ANALYTICAL MEASUREMENT AND INSTRUMENTATION

2751 Product Selection Guide

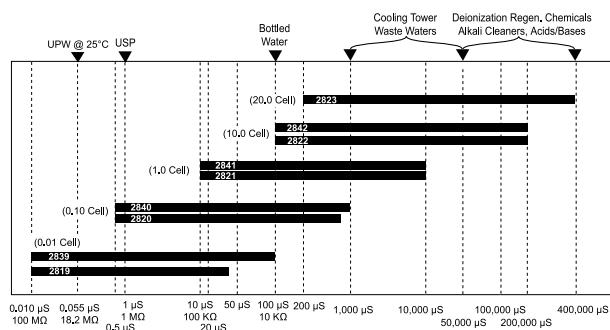
1. Choose the Electrode	2724-2726, 2734-2736 Can use Any 3-272X or 273X series Electrode	2764-2767 Differential 3-2764-1 3-2764-2 3-2766-1 3-2766-2	2774-2777 ORP electrodes must have 10K ID resistor use: 3-2775, 3-2777 pH Electrodes can be either the 1K or 3K use: 3-2774, 3-2774-1, 3-2776, 3-2776-1	2756 and 2757 Wet-Tap Can use any Wet-Tap 275X series electrode
2. Determine the mounting style:	In-line And -In-line fitting Or Submersible	2751-1 or -2 2751-1 or -2 2751-3 or -4 Signet fitting 3/4" reducing tee 2751-1 or -2 2751-3 or -4 1" threaded tee 2751-1 or -2 2751-3 or -4 3/4" reducing tee 2751-3 or -4 and cable conduit (customer supplied) connected to 3/4" sensor electronics		 (Submersible not applicable with Wet-Tap assembly)
3. Junction Boxes	3-8050-1: Use when extending the submersible cable over long distance. 3-8050-2: Use with the submersible 2751-3 or -4 and the in-line 2751-1 for best calibration results with the EasyCal function when using the blind 4 to 20 mA output.			
4. Choose the output instrument	Digital (S'L) Or 4 to 20 mA	 OR 9900 or 9950 Instruments, Profibus Concentrator	 PLCs or Chart Recorders	

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ANALYTICAL MEASUREMENT AND INSTRUMENTATION

CONDUCTIVITY

Signet Conductivity/Resistivity Sensors are designed to provide versatile installation and accurate sensing across a very broad dynamic range. Coupled with Signet-patented measuring circuitry a three decade range with $\pm 2\%$ of reading accuracy is achieved.



2819-2823 CONDUCTIVITY ELECTRODES

	Code
0.01cm cell	SG3-2819-1
0.1cm cell	SG3-2820-1
1cm cell	SG3-2821-1
10cm cell	SG3-2822-1
20cm cell	SG3-2823-1

2819-2823 Electrodes are available with 3/4in NPT process connections as standard. 1-1/2in or 2in tri-clamp are available.

2839-2842 CONDUCTIVITY ELECTRODES

	Code
0.01cm cell	SG3-2839-1
0.1cm cell	SG3-2840-1
1cm cell	SG3-2841-1
10cm cell	SG3-2842-1

2839-2842 Electrodes offer a compact solution, and are dual 3/4in threaded for ease of installation in submerged applications.

Any of the above electrodes can be used with one of the GF Signet Conductivity Instruments to give various configurations of digital and analogue display, and outputs. Alternatively the 2839-2842 range can be coupled with the 2850 Sensor Electronics to give an Integrally Mounted blind 4-20mA output.

2850 SENSOR ELECTRONICS

	Code
	SG3-2850-52
Integral / Standpipe Mount	SG3-2850-52
Universal Mount	SG3-2850-62

Direct 4-20mA Output, with EasyCal. Suitable for Integral Mounting with a 2839-2842 Electrode.

TEMPERATURE

2350 TEMPERATURE SENSOR

	Code
	SG3-2350-1
	SG3-2350-2
	SG3-2350-3

One Piece PVDF Body, Digital or 4-20mA Output. Compatible with 9900, or Stand-alone.

PRESSURE

2450 PRESSURE SENSOR

	Code
	SG3-2450-1L
	SG3-2450-3U
	SG3-2450-3H
	SG3-2450-7H

One Piece PVDF Body, Digital or 4-20mA Output, 0-10 psi, 0-50psi, or 0-250psi. Compatible with 9900, or Stand-alone.

THE SMARTER CHOICE.

VARIABLE AREA FLOW METERS

FOR SIMPLE AND ACCURATE MEASUREMENT OF FLUIDS & GASES

Pressure range

Nominal pressure 10 bar at 20 °C

Materials

Tube:	Polyamid, Polysulphone, PVDF and PVC-U transparent
Float:	PVDF, PTFE
End stops:	PVDF
Screw connection:	PVC-U (PP, PVDF, ABS)
O-ring:	EPDM (FPM)
Guiding rod:	Peek

Calibrated scales

The standard version comes with a printed on double scale: a percentage scale and a scale giving flow rate (H₂O l/h).

The special scales come as a sticker and need to be fitted to a blank taper tube. The scales are adhesive bonded to the tube and are printed with a special hard wearing paint.

Standard scale:

l/h

Special scales:

m³/h, GPM

Scales for other liquids:

HCl 30-33%, NaOH 30%, Na-OH 50% and air



Related Documents

Variable Area Flow Meter Technical & Installation Guide

CHEMICAL RESISTANCE LIST

	Chemical		PVC-U	Trogamid	PSU	PVDF	Peek
Acid	phosphoric acid	H ₃ PO ₄	75%	X	O	X	X
	sulfuric acid	H ₂ SO ₄	<90%	X	-	-	X
	nitric acid	HNO ₃	<55%	X	-	-	X
	nitric acid	HNO ₃	67%	-	-	-	X
	hydrofluoric acid	HF	<70%	X	-	-	X
	hydrochloric acid	HCl	36%	X	O	X	O
Base	ammonia	NH ₄ OH	25%	X	X	X	-
	caustic potash	KOH	>50%	X	O	X	-
	caustic soda	NaOH	<50%	X	O	X	-
Anorganica	ferric chloride	FeCl ₃	X	X	X	X	X
	sodium hydrochloride	NaOCl	15%	X	X	X	-
	sodium bisulfite	NaHSO ₃	<40%	X	X	X	X
	hydrogen peroxide	H ₂ O ₂	35%	X	-	X	O
	aqueous inorganic saline solutions (not oxidizing)	til saturation		X	X	X	X
Organica	formic acid	HCOOH	85%	O	-	O	O
	acetic acid	CH ₃ COOH	85%	O	-	O	O
	formaldehyde	H ₂ CO	<40%	X	-	X	O
	glycol		<50%	O	-	X	X
	acetone	undiluted		-	O	-	O
	ethanol, methanol	undiluted		O	-	X	X
	aliphatic hydrocarbons	undiluted		O	X	X	X

Valid for 40°C and 2bar

X: recommended

O: with limitations

-: not recommended

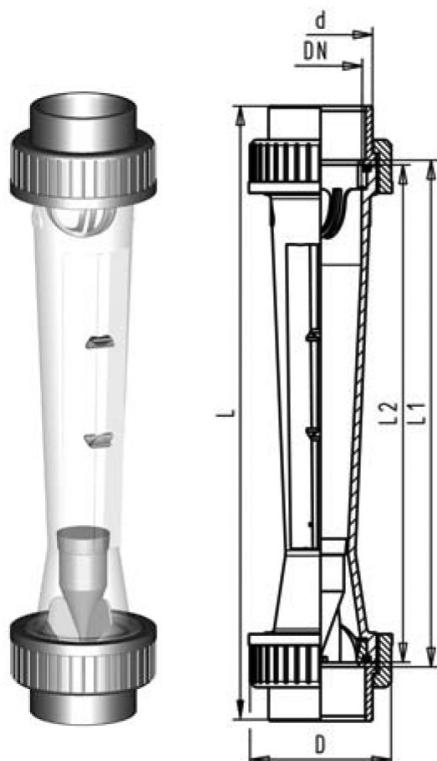
For higher or lower concentrations than mentioned in the list or entry "O", please contact our sales team

VARIABLE AREA FLOW METERS

FOR SIMPLE AND ACCURATE MEASUREMENT OF FLUIDS & GASES

335 SERIES VARIABLE AREA FLOW METERS

	Code	Range (Ltr / hr)	Size (NB)		Code	Range (Ltr / hr)	Size (NB)
Type 335, PVC Without Magnet	VGF335000	50-500	25	Type 335, PSU Without Magnet	VGFPSU335040	50-500	25
	VGF335001	100-1000	25		VGFPSU335041	100-1000	25
	VGF335002	150-1500	32		VGFPSU335042	150-1500	32
	VGF335003	250-2500	32		VGFPSU335043	250-2500	32
	VGF335004	200-2000	40		VGFPSU335044	200-2000	40
	VGF335005	300-3000	40		VGFPSU335045	300-3000	40
	VGF335006	600-6000	40		VGFPSU335046	600-6000	40
	VGF335007	600-6000	50		VGFPSU335047	600-6000	50
	VGF335008	1000-10000	50		VGFPSU335048	1000-10000	50
	VGF335009	1500-15000	50		VGFPSU335049	1500-15000	50
	VGF335010	2000-20000	65		VGFPSU335050	2000-20000	65
	VGF335011	3000-30000	65		VGFPSU335051	3000-30000	65
	VGF335012	8000-60000	65		VGFPSU335052	8000-60000	65
Type 335, PVC With Magnet	VGF335100M	50-500	25	Type 335, PSU With Magnet	VGFP-SU335140M	50-500	25
	VGF335101M	100-1000	25		VGFP-SU335141M	100-1000	25
	VGF335102M	150-1500	32		VGFP-SU335142M	150-1500	32
	VGF335103M	250-2500	32		VGFP-SU335143M	250-2500	32
	VGF335104M	200-2000	40		VGFP-SU335144M	200-2000	40
	VGF335105M	300-3000	40		VGFP-SU335145M	300-3000	40
	VGF335106M	600-6000	40		VGFP-SU335146M	600-6000	40
	VGF335107M	600-6000	50		VGFP-SU335147M	600-6000	50
	VGF335108M	1000-10000	50				
	VGF335109M	1500-15000	50				
	VGF335110M	2000-20000	65				
	VGF335111M	3000-30000	65				
	VGF335112M	8000-60000	65				



Range (Ltr / hr)	D (mm)	L (mm)	L1 (mm)	L2 (mm)	G (inch)
50-500	58	385	341	335	1½
100-1000	58	385	341	335	1½
150-1500	72	393	341	335	2
250-2500	72	393	341	335	2
200-2000	83	403	341	335	2¼
300-3000	83	403	341	335	2¼
600-6000	83	403	341	335	2¼
600-6000	101	417	341	335	2¼
1000-10000	101	417	341	335	2¼
1500-15000	101	417	341	335	2¼
2000-20000	135	429	341	335	3½
3000-30000	135	429	341	335	3½
8000-60000	135	429	341	335	3½

PVDF and Trogamid (Polyamid) Options available on request

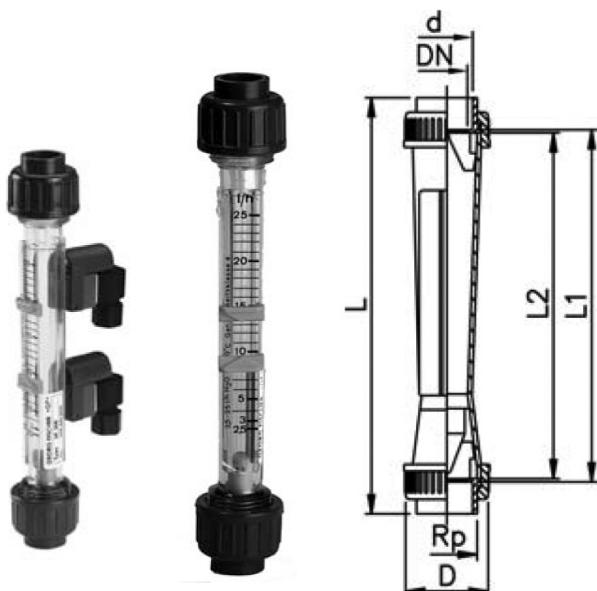
THE SMARTER CHOICE.

VARIABLE AREA FLOW METERS

FOR SIMPLE AND ACCURATE MEASUREMENT OF FLUIDS & GASES

SHORT VERSION VARIABLE AREA FLOW METERS

	Code	Range (Ltr / hr)	Size (NB)		Code	Range (Ltr / hr)	Size (NB)	
Short Version PVC Without Magnet	SKPVC50/010	2.5-25	10		Short Version PSU Without Magnet	SKPSU50/010	2.5-25	10
	SKPVC51/010	5-50	10			SKPSU51/010	5-50	10
	SKPVC52/010	10-100	10			SKPSU52/010	10-100	10
	SKPVC60/015	8-80	15			SKPSU60/015	8-80	15
	SKPVC61/015	15-150	15			SKPSU61/015	15-150	15
	SKPVC62/015	20-200	15			SKPSU62/015	20-200	15
	SKPVC70/025	15-150	25			SKPSU70/025	15-150	25
	SKPVC71/025	30-300	25			SKPSU71/025	30-300	25
	SKPVC72/025	50-500	25			SKPSU72/025	50-500	25
	SKPVC73/025	100-1000	25			SKPSU73/025	100-1000	25
Short Version PVC With Magnet	SKPVC500/010	2.5-25	10		Short Version PSU With Magnet	SKPSU500/010	2.5-25	10
	SKPVC510/010	5-50	10			SKPSU510/010	5-50	10
	SKPVC520/010	10-100	10			SKPSU520/010	10-100	10
	SKPVC600/015	8-80	15			SKPSU600/015	8-80	15
	SKPVC610/015	15-150	15			SKPSU610/015	15-150	15
	SKPVC620/015	20-200	15			SKPSU620/015	20-200	15
	SKPVC700/025	15-150	25			SKPSU700/025	15-150	25
	SKPVC710/025	30-300	25			SKPSU710/025	30-300	25
	SKPVC720/025	50-500	25			SKPSU720/025	50-500	25
	SKPVC730/025	100-1000	25			SKPSU730/025	100-1000	25



Range (Ltr / hr)	D (mm)	L (mm)	L1 (mm)	L2 (mm)	Rp (inch)
2.5-25	35	199	171	165	3/8
5-50	35	199	171	165	3/8
10-100	35	199	171	165	3/8
8-80	43	223	191	185	1/2
15-150	43	223	191	185	1/2
20-200	43	223	191	185	1/2
15-150	60	250	206	200	1
30-300	60	250	206	200	1
50-500	60	250	206	200	1
100-1000	60	250	206	200	1

LIMIT SWITCHES FOR TYPE 335, 350 AND SHORT VERSION

	Code	Type		Code	Type
Limit Contact Minimum	VAGK10	min		Limit Contact Maximum	max

Please refer to our Installation Guide

HVAC

VALVES AND VALVE ACCESSORIES

ISOLATION VALVES

	Code	Size DN (mm)		Code	Size DN (mm)	
HERZ Isolation Valve Female Thread, DZR	HVS/12100-19 HVS/12190-01 HVS/12190-02 HVS/12190-03 HVS/12190-04 HVS/12190-05 HVS/12190-06 HVS/12100-07	8 15 20 25 32 40 50 65		RuB Isolation Valve Female Thread, Extended Thread Nickel Plated	BVT201/008 BVT201/010 BVT201/015 BVT201/020 BVT201/025 BVT201/032 BVT201/040 BVT201/050 BVT201/065 BVT201/080 BVT201/100	8 10 15 20 25 32 40 50 65 80 100
HERZ Isolation Valve Female Thread, DZR Brass, Red Top	HVS/12206-41 HVS/12206-42 HVS/12206-43 HVS/12206-44 HVS/12206-45 HVS/12206-46	15 20 25 32 40 50		Isolation Valve Female Thread Stainless Steel Full Bore 2-Piece	VMBVSS2/008 VMBVSS2/010 VMBVSS2/015 VMBVSS2/020 VMBVSS2/025 VMBVSS2/032 VMBVSS2/040 VMBVSS2/050 VMBVSS2/065 VMBVSS2/080	8 10 15 20 25 32 40 50 65 80
HERZ Isolation Valve Female Threads, DZR Brass, Blue Top	HVS/12206-51 HVS/12206-52 HVS/12206-53 HV/12206-54 HV/12206-55 HV/12206-56	15 20 25 32 40 50		Isolation Valve Female Thread Stainless Steel Full Bore 2-Piece	VMBVSS/008 VMBVSS/010 VMBVSS/015 VMBVSS/020 VMBVSS/025 VMBVSS/032 VMBVSS/040 VMBVSS/050 VMBVSS/065 VMBVSS/080	8 10 15 20 25 32 40 50 65 80

REGULATION VALVES

	Code	Size DN (mm)		Code	Size DN (mm)	
HERZ Regulation Valve Fixed Orifice, DZR Brass, BSP Threads	HVS/14017-11 HVS/14017-21 HVS/14017-01 HVS/14017-02 HVS/14017-03 HVS/14017-04 HVS/14017-05 HVS/14017-06	15 - LOW FLOW 15 - MEDIUM FLOW 15 20 25 32 40 50		HERZ Regulation Valve PN16 Flanged	HVS/14218-47 HVS/14218-48 HVS/14218-49 HVS/14218-50 HVS/14218-51	65 80 100 125 150
HERZ Regulation Valve Variable Orifice DZR Brass, BSP Threads	HVS/14217-01 HVS/14217-02 HVS/14217-03 HVS/14217-04 HVS/14217-05 HVS/14217-06 HVS/14217-07 HVS/14217-08	15 20 25 32 40 50 65 80		HERZ Regulation Valve Compact / PN16 Flanged Version	HVS/14218-81 HVS/14218-82 HVS/14218-83 HVS/14218-84 HVS/14218-85 HVS/14218-86 HVS/14218-87 HVS/14218-88 HVS/14218-89 HVS/14218-90 HVS/14218-92	65 80 100 125 150 200 250 300 350 400 500

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VALVES AND VALVE ACCESSORIES

PICV - PRESSURE INDEPENDENT CONTROL VALVES					
	Code	Size DN (mm)		Code	Size DN (mm)
PICV, DZR Brass Male Threads - BSP 	HVS/14006-11	15	SMART PICV, DZR Brass, Female Threads - BSP 	HVS/14006-21	15
	HVS/14006-12	20		HVS/14006-22	20
	HVS/14006-13	25			
	HVS/14006-14	32			
	HVS/14006-15	40			
	HVS/14006-16	50			
PICV, DZR Brass Female Threads - BSP 	HVS/14206-11	15	SMART PICV, DZR Brass Female Threads - BSP 	HVS/14206-21	15
	HVS/14206-12	20		HVS/14206-22	20
	HVS/14206-13	25			
	HVS/14206-14	32			
	HVS/14206-15	40			
	HVS/14206-16	50			
PICV, Cast Iron PN16 Flanged PN16 Rated 	HVS/F4006-62	50			
	HVS/F4006-63	65			
	HVS/F4006-64	80			
	HVS/F4006-65	100			
	HVS/F4006-66	125			
	HVS/F4006-67	150			
	HVS/F4006-68	200			

PICV ACTUATORS					
		Code			Code
PICV Actuators to go with 4006 / 4026 / 4206 SMART- PICV 	24V for 3-point	HVS/17708-40	PICV Actuators to go with Flanged 4006 Valves (57-68)	24V modulating / 500 N  suits F4006 DN15 to 80 Flanged Control Valves (c/w fitting 17712-20)	HVS/F7712-29
	230V for 3-point	HVS/17708-41			
	24V for 0-10V DC Signal (Modulating)	HVS/17708-42		24V modulating / 1000 N  suits F4006 DN50-65-80 Flanged Control Valves	HVS/F7712-31

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VALVES AND VALVE ACCESSORIES

DIFFERENTIAL PRESSURE CONTROLLER

	Code	Size DN (mm)	Pressure (kPa)		Code	Size DN (mm)	Pressure (kPa)
Differential Pressure Controller, DZR Brass Male Threads - BSP	HVS/14002-41	15	5 - 30		HVS/F4007-07	65	10-40
	HVS/14002-42	20	5 - 30		HVS/F4007-17	65	20-80
	HVS/14002-43	25	5 - 30		HVS/F4007-27	65	50-150
	HVS/14002-44	32	5 - 30		HVS/F4007-08	80	10-40
	HVS/14002-45	40	5 - 30		HVS/F4007-18	80	20-80
	HVS/14002-46	50	5 - 30		HVS/F4007-28	80	50-150
	HVS/14002-61	15	25-60		HVS/F4007-09	100	10-40
	HVS/14002-62	20	25-60		HVSF40071-9	100	20-80
	HVS/14002-63	25	25-60		HVS/F4007-29	100	50-150
	HVS/14002-64	32	25-60		HVS/F4007-10	125	10-40
	HVS/14002-65	40	25-60		HVS/F4007-20	1325	20-80
	HVS/14002-66	50	25-60		HVS/F4007-30	125	50-150
					HVS/F4007-11	150	10-40
					HVS/F4007-21	150	20-80
					HVS/F4007-31	150	50-150

2-PORT AND 3 PORT VALVES

	Code	Size DN (mm)			Code	Size DN (mm)
2-Port Valve PN16 Flanged	HVS/14035-01	15 (Kvs 1)		3-Port Control Valve, PN16 Flanged	HVS/14037-01	15 (Kvs 1)
	HVS/14035-11	15 Kvs 1.6)			HVS/14037-11	15 Kvs 1.6)
	HVS/14035-21	15 (Kvs 2.5)			HVS/14037-21	15 (Kvs 2.5)
	HVS/14035-31	15 (Kvs 4)			HVS/14037-31	15 (Kvs 4)
	HVS/14035-03	25 (Kvs 6.3)			HVS/14037-03	25 (Kvs 6.3)
	HVS/14035-13	25 (Kvs 10)			HVS/14037-13	25 (Kvs 10)
	HVS/14035-04	43			HVS/14037-04	43
	HVS/14035-05	40			HVS/14037-05	40
	HVS/14035-06	50			HVS/14037-06	50
	HVS/14035-07	63			HVS/14037-07	63
	HVS/14035-08	80			HVS/14037-08	80
	HVS/14035-09	100			HVS/14037-09	100
	HVS/14035-10	125			HVS/14037-10	125
	HVS/14035-41	150			HVS/14037-41	150
				3-Port Mixing and Diverting Valve, DZR Brass, BSP Threads	HVS/14037-15	15
					HVS/14037-20	20
					HVS/14037-25	25
					HVS/14037-32	32
					HVS/14037-40	40
					HVS/14037-50	50

2 AND 3-PORT VALVE ACTUATORS

	Code		Code
Actuators to go with 4035 and 4037 Flanged Valves	24V modulating 2500 N	HVS/17712-31	
			
	Suits DN65-80		
	24V modulating 2500 N	HVS/17712-32	
			
	Suits DN100-150		
Actuators to go with 4037 DZR Brass 3-Port Valves	24V modulating 500 N		HVS/17712-29
			
	Suits DN15-25		
	24V modulating 1000 N		HVS/17712-31
			
	Suits DN32-50		

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VALVES AND VALVE ACCESSORIES

SPECIALISED VALVES SETS					
	Code	Size DN (mm)		Code	Size DN (mm)
CONNECT 4 Fan Coil Valve	HVS/14600-11 HVS/14600-12 HVS/14600-13 HVS/14600-14 HVS/14600-15 HVS/14600-16	15 20 25 32 40 50		HerzCON Fan Coil Valve	HVS/14600-51 HVS/14600-52 HVS/14600-58 HVS/14600-54
					15 20 25 32
Unit includes: Air Vent, Isolation Valves, Drain Cock, Strainer, FlowCon Valve, Insulation Box				Unit includes: Air Vent, Isolation Valves, Drain Cock, Strainer, FlowCon Valve, Insulation Box	
				CONNECT 4 End Of Line 3-Way Valve	HVS/14600-71 HVS/14600-72 HVS/14600-73
					15 20 25

SPECIALISED VALVES SET ACTUATORS					
	Code		Code		
Actuators for HerzCon and Connect 4 Units	24V for 3-point	HVS/17708-40	Actuators for Connect4 with 14037 3-Way Valve	24V / (0-10V)	HVS/17712-11
	230V for 3-point	HVS/17708-41		suits DN15-25	
	24V for 0-10V DC Signal (Proportional)	HVS/17708-42		230V / 2 or 3POS	HVS/17712-50
				suits DN15-25	
				24V / 2 or 3POS /	HVS/17712-51
				suits DN15-25	

NON RETURN VALVES						
	Code	Size DN (mm)		Code	Size DN (mm)	
EUROPA Bronze Non Return Valve BSP Threads	BVEC/010 BVEC/015 BVEC/020 BVEC/025 BVEC/032 BVEC/040 BVEC/050 BVEC/065 BVEC/080 BVEC/100	10 15 20 25 32 40 50 65 80 100		Non Return Valve, Dual Disc	ACVCI316/050 ACVCI316/065 ACVCI316/080 ACVCI316/100 ACVCI316/125 ACVCI316/150 ACVCI316/200 ACVCI316/250 ACVCI316/300 ACVCI316/350 ACVCI316/400	50 65 80 100 125 150 200 250 300 350 400
						
Non Return Valve, Single Disc	ACVSW/050 ACVSW/065 ACVSW/080 ACVSW/100 ACVSW/125 ACVSW/150 ACVSW/200 ACVSW/250 ACVSW/300 ACVSW/350 ACVSW/400	50 65 80 100 125 150 200 250 300 350 400		Body - Cast Iron Spring - 316 SS Disc - 316 SS, Seat - EPDM Hinge Pin - 304 Flange Gasket - NBR Max Temp -120°C Max Pressure - 16Bar	Body - Cast Iron Spring - 316 SS Disc - 316 SS, Seat - EPDM Shaft - 304/316 SS Flange Gasket - 316 SS Max Temp -120°C Max Pressure - 16Bar	

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VALVES AND VALVE ACCESSORIES

KITZ FIGURE DJ WAFER AND LUGGED BUTTERFLY VALVES

KITZ BUTTERFLY VALVES, CONCENTRIC WITH BONDED SEAT

DN 50-300, EPDM/NBR liner for drinking water, SS 1.4408 disc

Kitz Figure DJ range of concentric butterfly valves are available in wafer and lug design with lever and gearbox.

The design has bonded seats and spherical design for discs and seats to minimise wear and prolong service life.

The valve is available with EPDM and NBR Linings and has a low operating torque.

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Kitz Lugged Butterfly Valve, Table E, EPDM 	VBFLEE050	50	Body	Ductile Iron	Flanges - Lugged	AS2129 D/E EN 1092 PN 10/16 ANSI 125/150
	VBFLEE065	65	Handle / Gear-box	Aluminium		
	VBFLEE080	80	Disc	316 Stainless Steel		
	VBFLEE100	100	Seat	EPDM or NBR		
	VBFLEE125	125	Bushing	Epoxy Glass Fibre Composite		
	VBFLEE150	150	Notch Plate	316 Stainless Steel		
	VBFLEE200	200	O-Ring	EPDM or Nitrile		
	VBFLEE250	250				
	VBFLEE300	300				

	Code	Size NB (mm)	MATERIALS		SPECIFICATIONS	
			Part	Material		
Kitz Wafer Butterfly Valve, EPDM 	VBFWE050	50	Body	Ductile Iron	Flanges - Wafer	Universal: AS2129 D/E EN 1092 PN 10/16 ANSI 125/150
	VBFWE065	65	Handle / Gear-box	Aluminium		
	VBFWE080	80	Disc	316 Stainless Steel		
	VBFWE100	100	Seat	EPDM or NBR		
	VBFWE125	125	Bushing	Epoxy Glass Fibre Composite		
	VBFWE150	150	Notch Plate	316 Stainless Steel		
	VBFWE200	200	O-Ring	EPDM or Nitrile		
	VBFWE250	250				
	VBFWE300	300				

ORIFICE PLATES		
	Code	Size DN (mm)
HERZ Orifice Plate, Stainless Steel 	HVS/14000-31	65
	HVS/14000-32	80
	HVS/14000-33	100
	HVS/14000-34	125
	HVS/14000-35	150
	HVS/14000-36	200
	HVS/14000-37	250
	HVS/14000-38	300
	HVS/14000-39	350
	HVS/14000-40	400
	HVS/14000-41	450
	HVS/14000-42	500
	HVS/14000-43	600

Max Temp. 130C
Max Pres. 20bar

STRAINERS		
	Code	Size DN (mm)
HERZ Strainer, DZR Brass Female Thread - BSP 	HVS/12662-01	15
	HVS/12662-02	20
	HVS/12662-03	25
	HVS/14111-14	32
	HVS/14111-15	40
	HVS/14111-16	50
MECH Strainer, Flanged Table E 	HWS/050	50
	HWS/065	65
	HWS/080	80
	HWS/100	100
	HWS/125	125
	HWS/150	150
	HWS/200	200
	HWS/250	250
	HWS/300	300
	HWS/350	350
	HWS/400	400

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VALVES AND VALVE ACCESSORIES

PRESSURE REDUCING VALVES

	Code	Size DN (mm)		Code	Size DN (mm)
ITAP Pressure Reducing Valve, 1-6bar adjustment BSP Threads	BVPR143/025	25	ITAP Pressure Reducing Valve, 1-4bar adjustment BSP Threads	BVPR361/015	15
	BVPR143/032	32		BVPR361/020	20
	BVPR143/040	40			
	BVPR143/050	50			
					
			HERZ Pressure Reducing Valve, 0.5-6bar adjustment BSP Threads 		HVS/12682-11 15

PRESSURE RELIEF VALVES

	Code	Inlet DN (mm)	Outlet DN (mm)		Code	Inlet DN (mm)	Outlet DN (mm)
FLAMCO Prescor Pressure Relief Valve BSP Threads	FLSV015/27606 (4 BAR)	15	15	FLAMCO Prescor Solar Pressure Relief Valve BSP Threads	FLSVS015/28310	15	10-40
	FLSV020/27028 (4 BAR)	20	20		FLSVS015/28311	15	
	FLSV025/27045 (3 BAR)	25	32		FLSVS015/28316	20	
	FLSV025/27049 (5 BAR)	25	32		FLSVS015/28321	25	
	FLSV032/27056 (3 BAR)	32	40				
	FLSV032/27039 (5 BAR)	32	40	HERZ Pressure Relief Valve BSP Threads	HVS/FLSV025/6BAR	25	
	FLSV032/29209 (7 BAR)	32	40		HVS/FLSV032/6BAR	32	
							

REDUCED PRESSURE ZONE VALVES (RPZ VALVES)

	Code	Size DN (mm)
Reduced Pressure Zone Valves (RPZ Valves) BSP Threads	RPZ/W19375	20
	RPZ/W25375L	25
	RPZ/W32375L	32
	RPZ/W40375L	40
	RPZ/W50375L	50
	RPZ/W65375L	65
	RPZ/W80375L	80



DRAIN COCKS

	Code	Size DN (mm)
Drain Cock	HVS/12512-01	15



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VALVES AND VALVE ACCESSORIES

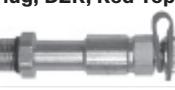
AIR VENTS

	Code	Size DN (mm)		Code	Size DN (mm)
Flamco Flexvent	FLAV/27750	10	Flamco Flexvent Super	FLAVSUPER/28520	20
	FLAV/27740	15			
	FLAV/27735	20			
Flamco Flexvent Max	FLAVMAX/28550	20	ITAP	HVAR/008	8
				HVAR/015	15

RUBBER FLEX JOINTS

	Code	Size DN (mm)		Code	Size DN (mm)
Rubber Flex Joint Single Bellow Table E	FLFLEX/050TE	50	Rubber Flex Joint Double Bellow, Table E	FLFLEX/080TED	80
	FLFLEX/065TE	65		FLFLEX/100TED	100
	FLFLEX/080TE	80		FLFLEX/125TED	125
	FLFLEX/100TE	100		FLFLEX/150TED	150
	FLFLEX/125TE	125		FLFLEX/200TED	200
	FLFLEX/150TE	150		FLFLEX/250TED	250
	FLFLEX/200TE	200		FLFLEX/300TED	300
	FLFLEX/250TE	250		FLFLEX/025BSP	25
	FLFLEX/300TE	300		FLFLEX/032BSP	32
	FLFLEX/350TE	350		FLFLEX/040BSP	40
	FLFLEX/400TE	400		FLFLEX/050BSP	50
	FLFLEX/450TE	450			

BINDER TEST PLUGS

	Code	Size DN (mm)		Code	Size DN (mm)
Binder Test Plug, DZR, Blue Top	HVS/0284-01	8	Extended Binder Test Plug, DZR, Blue Top	HVS/0284-11	8
					
Binder Test Plug, DZR, Red Top	HVS/0284-02	8	Extended Binder Test Plug, DZR, Red Top	HVS/0284-12	8
					

GAUGES

	Code	Size DN (mm)		Code	Size DN (mm)
Pressure Gauge 1.5-3bar, 63mm Face, BSP Threads	FLPG63/27210	8	Pressure Gauge 3bar, 63mm Face, BSP Threads	FLPG63/27205	8
					
Pressure Gauge 1.5-3bar, 80mm Face, BSP Threads	FLPG80/27222	8	FLAMCO Pressure and Temperature Gauge 1.5 - 3bar, 63mm Face	FLPTG/27250	15
			 (With shut-off valve)		

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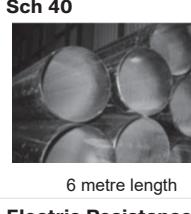
VALVES AND VALVE ACCESSORIES

FLEXIBLE HOSES

	Code	Size DN (mm)		Code	Size DN (mm)
HERZ Stainless Steel Braided Hose, PN25, 1000mm	HHS1000/020	20		HHS400/020	20
	HHS1000/025	25		HHS400/025	25
	HHS1000/032	32		HHS400/032	32
	HHS1000/040	40		HHS400/040	40
HERZ Stainless Steel Braided Hose, PN25, 600mm	HHS600/020	20		HHS400/050	50
	HHS600/025	25			
	HHS600/032	32			
	HHS600/040	40			
	HHS600/050	50			

STEEL PIPE

HVAC STEEL PIPE

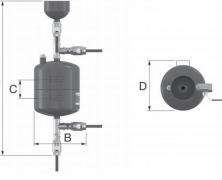
	Code	Size NB (mm)		Code	Size NB (mm)	
Pipe, Pre-Primed	PPMPE015	15		LPW350STD	350	
PPMPE020	20	LPW400STD		400		
PPMEE025	25	LPW450STD		450		
PPMPE032	32	LPW500STD		500		
PPMPE040	40	LPW600STD		600		
PPMPE050	50					
PPMPE065	65					
PPMPE080	80					
PPMPE100	100					
PPMPE125	125					
PPMPE150	150					
Seamless Line Pipe Sch 40	LP040010	10		LPW15020	150	
	LP040015N	15		LPW20020	200	
	LP040020N	20		LPW25020	250	
	LP040025N	25		LPW30020	300	
	LP040032N	32				
	LP040040N	40				
	LP040050	50				
	LP040065N	65				
	LP040080N	80				
	LP040100N	100				
	LP040125	125				
	LP040150	150				
6 metre length	LP040200	200		LPW1502012	150	
	LP040250	250		LPW2002012	200	
	LP040300	300		LPW2502012	250	
				LPW3002012	300	
6 metre length						
12 metre length						

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TANKS AND VESSELS

AIR AND DIRT SEPARATORS						
	Code	Size NB (mm)		Code	Size DN (mm)	
FLAMCO PN16 Flanged / PN16 rated	FLASCM/28080 FLASCM/28081 FLASCM/28082 FLASCM/28083 FLASCM/28084 FLASCM/28085 FLASCM/28086	50 65 80 90 100 150 200		FLAMCO SMART PN16 Flanged / PN16 rated	FLACM/31041 FLACM/31042 FLACM/31043 FLACM/31044 FLACM/31045 FLACM/31046 FLACM/31047 FLASCM/30051	50 65 80 90 100 150 200 ¾" (DN20)
					Max Temp - 120°C Max Pre - 10 bar	
Max Temp - 120°C Max Pre - 10 bar				FLAMCO ECOPlus BSP threads	FLASCM/30052 FLASCM/30053 FLASCM/30054 FLASCM/30055 FLASCM/30056	(DN22) 1" (DN25) 1¼" (DN32) 1½" (DN40) 2" (DN50)
					Max Temp - 120°C Max Pre - 10 bar	

EXPANSION VESSELS						
	Code	Size		Code	Size	
Wall Mounted Expansion Vessels	FLEV8/16008 FLEV12/16015 FLEV18/16020 FLEV25/16027	8L 12L 18L 25L		Side Mounted Expansion Vessels	FLEVP18/13316 FLEVP25/13326 FLEVP35/13336 FLEVP50/13357	18L 25L 35L 50L
					Max Pre - 3 Bar Max Temp Diaphragm - 70°C	
Max Temp - 120°C Max Pre - 6 Bar Max Temp Diaphragm - 70°C				Mounting Options	FLWM27913	2 - 2.5 litres Vessels
Foot Mounted Expansion Vessels	FLEV35/16037 FLEV50/16053 FLEV80/16084 FLEV110/16119 FLEV140/16141 FLEV200/16208 FLEV300/16304 FLEV425/16424 FLEV600/16604 FLEV800/16804 FLEV1000/16904	35L 50L 80L 110L 140L 200L 300L 425L 600L 800L 1000L			FLWM27910	8 - 25 litres Vessels *Bracket Only
Max Temp - 120°C Max Pre - 6 Bar Max Temp Diaphragm - 70°C					FLWM27996	8 - 25 litres Vessels

DOSING POTS							
	Code	Size (mm)				Code	Size
Dosing Pots Flamco Made	FLDPOT3.5 FLDPOT6 FLDPOT11 FLDPOT18 FLDPOT25	565	225	40	220		
		670	225	90	220		
		935	215	279	200		
		1250	215	587	200		
		937	270	224	295		
							
Supplied Fully Assembled Min/Max Temp 5C° / 95C° Max Pressure - 16 Bar Sys Connections - 20mm (¾")							

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TANKS AND VESSELS

FILL SETS

	Code		Code
System Filling Device  comes with safety valve and pressure gauge 0 - 4 bar. -10°C / 120°C	FLFSET/27097	110 - 1000 Litre Expansion Vessel Fillset  comes with pressure gauge	FL/FLEXCON/27293
DN15 Fillset  incl Ball/Check Valve + Pressure Reducing Valve + Flex Hose+ball valve			ASFS/015

BUFFER TANKS

	Code	Size		Code	Size
"PS" Models Heated Hot Water Buffer Tanks 	FLVPS/200	200L	Buffer Tank Insulation For "PS" Models  EPS insulating mantle with a polypropylene outer shell and lid (white, RAL 9010 / white aluminium, RAL 9006).	FLBVINS/18675	200L
FLVPS/300	300L		FLBVINS/18678	300L	
FLVPS/500	500L		FLBVINS/18681	500L	
FLVPS/600	600L		FLBVINS/18684	600L	
FLVPS/750	750L		FLBVINS/18690	850L	
FLVPS/850	850L		FLBVINS/18693	1000L	
FLVPS/1000	1000L		FLBVINS/18699	1200L	
FLVPS/1200	1200L		FLBVINS/18702	1500L	
FLVPS/1500	1500L		FLBVINS/18705	1800L	
FLVPS/1800	1800L		FLBVINS/18708	2000L	
FLVPS/2000	2000L		FLBVINS/18711	3000L	
FLVPS/3000	3000L		FLBVINS/18717	5000L	
FLVPS/4000	4000L				
FLVPS/5000	5000L				
"PS-K" Models Chilled Water Buffer Tanks 	FLVPSK/500	500L	Buffer Tank Insulation For "PS-K" Models  Vapour-tight insulation for use in chilled water (cooling) installations. Temperature range: -200 °C up to +105°C Thickness: 25 mm (if used as insulation)	FLBVINS/18270	500L
FLVPSK/750	750L		FLBVINS/18271	750L	
FLBVPSK/1000	1000L		FLBVINS/18272	1000L	
FLBVPSK/1500	1500L		FLBVINS/18273	1500L	
FLBVPSK/2000	2000L		FLBVINS/18274	2000L	
FLBVPSK/2500	2500L		FLBVINS/18275	2500L	
FLBVPSK/3000	3000L		FLBVINS/18276	3000L	

BRANCHING EQUIPMENT

	Code	Size DN (mm)		Code	Size DN (mm)
Cast Iron Branching Equipment 	FL/TPLUS/90615	15x15x15	Copper Branching Equipment 	TPLUSC015	15x15x15
	FL/TPLUS/90620	20x15x20		TPLUSC020	20x15x20
	FL/TPLUS/90626	25x20x25		TPLUSC025	25x20x25
	FL/TPLUS/90632	32x25x32		TPLUSC028	28x20x28
	FL/TPLUS/90640	40x32x40		TPLUSC032	32x20x32
	FL/TPLUS/90650	50x32x50		TPLUSC040	40x20x40
	FL/TPLUS/90665	65x32x65			
	FL/TPLUS/90680	80x32x80			

The T-plus is specially designed to create perfect branches quickly and easily, whilst the system remains in operation. PN25, 120°C

The T-plus is specially designed to create perfect branches quickly and easily, whilst the system remains in operation. PN16, 120°C

COMPRESSION FITTINGS



METRIC COMPRESSION FITTINGS

Asmuss offer a core range of Plasson Compression fittings. Please contact us if you cannot find the fitting you require as we have other options or can order for you.

PLASSON PN16 COMPRESSION FITTINGS							
	Code	OD (mm)	PN (bar)		Code	OD (mm)	PN (bar)
Male End Connector 	PLMEC/020x1/2	20x1/2"	16	90° Elbow, Female 	PLFEL90/020x1/2	20x1/2"	16
	PLMEC/025x1/2	25x1/2"	16		PLFEL90/025x3/4	25x3/4"	16
	PLMEC/025x3/4	25x3/4"	16		PLFEL90/032x1	32x1"	16
	PLMEC/032x1	32x1"	16		PLFEL90/040x1/4	40x1/4"	16
	PLMEC/040x1/4	40x1/4"	16		PLFEL90/050x1/2	50x1/2"	16
	PLMEC/050x1/2	50x1/2"	16		PLFEL90/063x2	63x2"	16
	PLMEC/063x2	63x2"	16				
Female End Connector 	PLFEC/020x1/2	20x1/2"	16	90° Elbow, Male 	PLMEL90/020x1/2	20x1/2"	16
	PLFEC/025x3/4	25x3/4"	16		PLMEL90/025x3/4	25x3/4"	16
	PLFEC/032x1	32x1"	16		PLMEL90/032x1	32x1"	16
	PLFEC/040x1/4	40x1/4"	16		PLMEL90/040x1/4	40x1/4"	16
	PLFEC/050x1/2	50x1/2"	16		PLMEL90/050x1/2	50x1/2"	16
	PLFEC/063x2	63x2"	16		PLMEL90/063x2	63x2"	16
Straight Coupling 	PLJ/020	20	16	Tee 	PLT/020	20	16
	PLJ/025	25	16		PLT/025	25	16
	PLJ/032	32	16		PLT/032	32	16
	PLJ/040	40	16		PLT/040	40	16
	PLJ/050	50	16		PLT/050	50	16
	PLJ/063	63	16		PLT/063	63	16
Repair Coupling 	PLRPC/020	20	16	Reducing Tee 	PLRT/25x25x20	25x25x20	16
	PLRPC/025	25	16		PLRT/32x32x25	32x32x25	16
	PLRPC/032	32	16		PLRT/40x40x32	40x40x32	16
	PLRPC/040	40	16		PLRT/50x50x40	50x50x40	16
	PLRPC/050	50	16		PLRT/63x63x50	63x63x50	16
	PLRPC/063	63	16				
*without pipe stop				Tee Female 	PLFT/020x1/2	20x1/2"	16
Reducing Coupling 	PLRJ/025x020	25x20	16		PLFT/025x3/4	25x3/4"	16
	PLRJ/032x025	32x25	16		PLFT/032x1	32x1"	16
	PLRJ/040x032	40x32	16		PLFT/040x1/4	40x1/4"	16
	PLRJ/050x040	50x40	16		PLFT/050x1/2	50x1/2"	16
	PLRJ/063x050	63x50	16		PLFT/063x2	63x2"	16
90° Elbow 	PLEL90/020	20x20	16	End Cap 	PLCPL/020	20	16
	PLEL90/025	25x25	16		PLCPL/025	25	16
	PLEL90/032	32x32	16		PLCPL/032	32	16
	PLEL90/040	40x40	16		PLCPL/040	40	16
	PLEL90/050	50x50	16		PLCPL/050	50	16
	PLEL90/063	63x63	16		PLCPL/063	63	16
					PLCPL/075	75	16
					PLCPL/090	90	16
					PLCPL/110	110	16

THE SMARTER CHOICE.

BOLT ON SADDLES & TAPPING SADDLES

FOR METRIC COMPRESSION FITTINGS

ALPRENE POLY16 BRANCHING SADDLES										
BLUE	Code	OD (mm)	# Bolts	PN (bar)		BLUE	Code	OD (mm)	# Bolts	PN (bar)
	FAS/020x1/2	20x1/2"	2	16			FAS/125x1 1/4	125x1 1/4"	6	16
	FAS/025x1/2	25x1/2"	2	16			FAS/125x1 1/2	125x1 1/2"	6	16
	FAS/025x3/4	25x3/4"	2	16			FAS/125x2	125x2"	6	16
	FAS/032x1/2	32x1/2"	2	16			FAS/140x1/2	140x1/2"	6	16
	FAS/032x3/4	32x3/4"	2	16			FAS/140x3/4	140x3/4"	6	16
	FAS/032x1	32x1"	2	16			FAS/140x1	140x1"	6	16
	FAS/040x1/2	40x1/2"	2	16			FAS/140x1 1/4	140x1 1/4"	6	16
	FAS/040x3/4	40x3/4"	2	16			FAS/140x1 1/2	140x1 1/2"	6	16
	FAS/040x1	40x1"	2	16			FAS/140x2	140x2"	6	16
	FAS/050x1/2	50x1/2"	4	16			FAS/160x1/2	160x1/2"	6	16
	FAS/050x3/4	50x3/4"	4	16			FAS/160x3/4	160x3/4"	6	16
	FAS/050x1	50x1"	4	16			FAS/160x1	160x1"	6	16
	FAS/050x1 1/4	50x1 1/4"	4	16			FAS/160x1 1/4	160x1 1/4"	6	16
	FAS/063x1/2	63x1/2"	4	16			FAS/160x1 1/2	160x1 1/2"	6	16
	FAS/063x3/4	63x3/4"	4	16			FAS/160x2	160x2"	6	16
	FAS/063x1	63x1"	4	16			FAS/160x3	160x3"	6	16
	FAS/063x1 1/4	63x1 1/4"	4	16			FAS/160x4	160x4"	6	16
	FAS/063x1 1/2	63x1 1/2"	4	16			FAS/180x1	180x1"	6	10
	FAS/075x1/2	75x1/2"	4	16			FAS/180x1 1/4	180x1 1/4"	6	10
	FAS/075x3/4	75x3/4"	4	16			FAS/180x1 1/2	180x1 1/2"	6	10
	FAS/075x1	75x1"	4	16			FAS/180x2	180x2"	6	10
	FAS/075x1 1/4	75x1 1/4"	4	16			FAS/180x3	180x3"	6	10
	FAS/075x1 1/2	75x1 1/2"	4	16			FAS/180x4	180x4"	6	10
	FAS/075x2	75x2"	4	16			FAS/200x1 1/2	200x1 1/2"	6	10
	FAS/090x1/2	90x1/2"	4	16			FAS/200x2	200x2"	6	10
	FAS/090x3/4	90x3/4"	4	16			FAS/200x3	200x3"	6	10
	FAS/090x1	90x1"	4	16			FAS/200x4	200x4"	6	10
	FAS/090x1 1/4	90x1 1/4"	4	16			FAS/225x1 1/2	225x1 1/2"	6	10
	FAS/090x1 1/2	90x1 1/2"	4	16			FAS/225x2	225x2"	6	10
	FAS/090x2	90x2"	4	16			FAS/225x3	225x3"	6	10
	FAS/110x1/2	110x1/2"	6	16			FAS/225x4	225x4"	6	10
	FAS/110x3/4	110x3/4"	6	16			FAS/250x2	250x2"	6	10
	FAS/110x1	110x1"	6	16			FAS/250x3	250x3"	6	10
	FAS/110x1 1/4	110x1 1/4"	6	16			FAS/250x4	250x4"	6	10
	FAS/110x1 1/2	110x1 1/2"	6	16			FAS/280x2	280x2"	6	10
	FAS/110x2	110x2"	6	16			FAS/280x3	280x3"	6	10
	FAS/114x2	114x2"	6	16			FAS/280x4	280x4"	6	10
	FAS/125x1/2	125x1/2"	6	16			FAS/315x2	315x2"	6	10
	FAS/125x3/4	125x3/4"	6	16			FAS/315x3	315x3"	6	10
	FAS/125x1	125x1"	6	16			FAS/315x4	315x4"	6	10

Alprene Poly16 branching saddles are designed for installation on all metric pipes. The strength of the joint lies in the specially developed profile gasket. It offers more safety in case of water hammer, oval or scratched pipes. The sturdy construction with reinforcing ribs has been designed for use under the harshest on-site conditions. The extra long, stainless steel reinforcement ring in the outlet branch prevents cracking, even with high torques. The working pressures for the branch saddles are 16 bar (at 20 °C water) for up to 160mm (o.d.) and 10 bar (at 20 °C water) from 180mm to 315mm (o.d.).

PLASSON COMPRESSION TAPPING SADDLES WITH SWIVEL TEE						
	Code	OD (mm)	PN (bar)		Code	OD (mm)
TAPPER FOR METRIC PE PN16	PLTAPSAD/063X025	63 x 25	16		ALLEN KEY	PLASSONKEY/12MM
	PLTAPSAD/125X025	125 x 25	16			106.76
	PLTAPSAD/180X025	180 x 25	16			
					12 x 160mm, required to operate the cutter	

GEBERIT MAPRESS

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316 STAINLESS STEEL CRIMPED PIPING SYSTEM

Geberit Mapress Stainless Steel is especially suited to drinking water installations and industrial applications. Separate fitting assortments for gas, solar and special applications. Thanks to the pressing technology, installations can be carried out reliably and quickly without complex connection methods.

316 ST.STEEL PIPE

	Code	Size (OD)
Pipe	M39202	15
	M39204	22
	M39205	28
	M39206	35
	M39207	42
	M39208	54
6 Metre Lengths	M39209	76.1
	M39210	88.9
	M39211	108

316 ST.STEEL COUPLINGS

	Code	Size (OD)
Coupling	M32002	15
	M32004	22
	M32005	28
	M32006	35
	M32007	42
	M32008	54
	M32009	76.1
	M32010	88.9
	M32011	108
Slip Coupling	M32102	15
	M32104	22
	M32105	28
	M32106	35
	M32107	42
	M32108	54
	M32109	76.1
	M32110	88.9
	M32111	108

316 ST.STEEL PLAIN END BENDS

	Code	Size (OD)
45° Bend With Plain End	M30702	15
	M30704	22
	M30705	28
	M32706	35
	M32707	42
	M32708	54
	M32709	76.1
	M32710	88.9
	M32711	108
90° Bend With Plain End	M30302	15
	M30304	22
	M30305	28
	M33306	35
	M33307	42
	M33308	54
	M33309	76.1
	M33310	88.9
	M33311	108

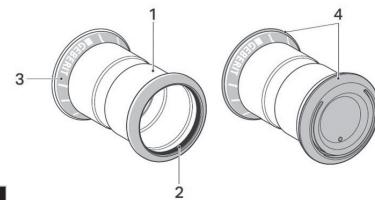


Figure 1: Structure of Geberit Mapress pressfitting

- 1 Pressfitting
- 2 Seal ring
- 3 Pressing indicator
- 4 Protection plug

316 ST.STEEL BENDS

	Code	Size (OD)
Bend 15°	M36101	15
	M36103	22
	M36104	28
	M36105	35
	M36106	42
	M36107	54
	M36108	76.1
	M36109	88.9
	M36110	108
Bend 30°	M36121	15
	M36123	22
	M36124	28
	M36125	35
	M36126	42
	M36127	54
	M36128	76.1
	M36129	88.9
	M36130	108
Bend 45°	M30601	12
	M30602	15
	M30604	22
	M30605	28
	M32606	35
	M32607	42
	M32608	54
	M32609	76.1
	M32610	88.9
	M32611	108
Bend 60°	M36161	15
	M36163	22
	M36164	28
	M36165	35
	M36166	42
	M36167	54
	M36168	76.1
	M36169	88.9
	M36170	108
Bend 90°	M30102	15
	M30104	22
	M30105	28
	M31106	35
	M31107	42
	M31108	54
	M31109	76.1
	M31110	88.9
	M31111	108

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316 STAINLESS STEEL CRIMPED PIPING SYSTEM

316 ST.STEEL ELBOWS

	Code	Size (OD)			Code	Size (OD)
90° Elbow Adaptor With Female Thread	M33803	15 x Rp		90° Elbow Adaptor With Male Thread	M33833	15 x R ½"
	M33802	15 x Rp ½"			M33835	22 x R ¾"
	M33805	22 x Rp ¾"			M33836	28 x R 1"
	M33806	28 x Rp 1"			M33837	35 x R 1¼"
	M33807	35 x Rp 1¼"			M33838	42 x R 1½"
90° Elbow Adaptor With Female Thread And Plain End	M33203	15 x Rp ½"		90° Elbow Tap Connector	M33013	12 x Rp ½" x L430
					M33403	15 x Rp ½" x L430
					M33407	22 x Rp ¾" x L510

316 ST.STEEL TEES

	Code	Size (OD)			Code	Size (OD)
Equal Tee	M31002	15	Reducing Tee		M33005	15 x 12 x 15
	M31004	22			M31227	22 x 15 x 18
	M31005	28			M31206	22 x 15 x 22
	M31006	35			M31234	28 x 22 x 22
	M31007	42			M31211	28 x 22 x 28
	M31008	54			M31212	35 x 15 x 35
	M31009	76.1			M31235	35 x 22 x 28
	M31010	88.9			M31214	35 x 22 x 35
	M31011	108			M31242	35 x 28 x 28
90° Offset Tee Elbow	M33423	15 x Rp ½ x L650			M31215	35 x 28 x 35
					M31216	42 x 15 x 42
Tee With Female Thread	M31304	15 x Rp ½ x 15			M31243	42 x 22 x 35
	M31307	22 x Rp ½ x 22			M31218	42 x 22 x 42
	M31308	22 x Rp ¾ x 22			M31251	42 x 28 x 35
	M31311	28 x Rp 1 x 28			M31219	42 x 28 x 42
	M31309	28 x Rp ½ x 28			M31220	42 x 35 x 42
	M31310	28 x Rp ¾ x 28			M31221	54 x 15 x 54
	M31312	35 x Rp ½ x 35			M31223	54 x 22 x 54
	M31313	35 x Rp ¾ x 35			M31224	54 x 28 x 54
	M31316	42 x Rp ½ x 42			M31225	54 x 35 x 54
	M31317	42 x Rp ¾ x 42			M31226	54 x 42 x 54
	M31320	54 x Rp ½ x 54			M31229	76.1 x 22 x 76.1
	M31324	54 x Rp 2 x 54			M31230	76.1 x 28 x 76.1
	M31321	54 x Rp ¾ x 54			M31231	76.1 x 35 x 76.1
	M31329	76.1 x Rp 2 x 76.1			M31232	76.1 x 42 x 76.1
	M31326	76.1 x Rp ¾ x 76.1			M31233	76.1 x 54 x 76.1
	M31334	88.9 x Rp 2 x 88.9			M31236	88.9 x 22 x 88.9
	M31331	88.9 x Rp ¾ x 88.9			M31237	88.9 x 28 x 88.9
	M31339	108 x Rp 2 x 108			M31238	88.9 x 35 x 88.9
Tee With Male Thread	M31454	15 x Rp ½ x 15			M31239	88.9 x 42 x 88.9
	M31401	15 x Rp x 15			M31240	88.9 x 54 x 88.9
	M31458	22 x Rp ¾ x 22			M31241	88.9 x 76.1 x 88.9
	M31461	28 x Rp 1 x 28			M31244	108 x 22 x 108
	M31464	35 x Rp ¼ x 35			M31245	108 x 28 x 108

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316 STAINLESS STEEL CRIMPED PIPING SYSTEM

316 ST.STEEL REDUCERS

	Code	Size (OD)
Reducer With Plain End	M33002	15 x 12
	M32305	22 x 15
	M32307	28 x 15
	M32309	28 x 22
	M32310	35 x 15
	M32312	35 x 22
	M32313	35 x 28
	M32314	42 x 15
	M32316	42 x 22
	M32317	42 x 28
	M32318	42 x 35
	M32319	54 x 15
	M32321	54 x 22
	M32322	54 x 28
	M32323	54 x 35
	M32324	54 x 42
	M32331	76.1 x 54
	M32338	88.9 x 54
	M32339	88.9 x 76.1
	M32345	108 x 54
	M32346	108 x 76.1
	M32348	108 x 88.9

316 ST.STEEL UNIONS

	Code	Size (OD)
Union	M35390	15 x G 3/4"
	M35392	22 x G 1"
	M35393	28 x G 1 1/4"
	M35394	35 x G 1 1/2"
	M35395	42 x G 1 3/4"
	M35396	54 x G 2 5/8"

Union nut made of crni steel

316 ST.STEEL ADAPTOR UNIONS

	Code	Size (OD)
Adaptor Union With Female Thread	M35350	15 x Rp 1/2" x G 3/4"
	M35357	15 x Rp 3/4" x G 3/4"
	M35359	22 x Rp 1" x G 1"
	M35352	22 x Rp 3/4" x G 1"
	M35353	28 x Rp 1" x G 1 1/4"
	M35354	35 x Rp 1 1/4" x G 1 1/2"
	M35355	42 x Rp 1 1/2" x G 1 3/4"
	M35356	54 x Rp 2" x G 2 5/8"

Union nut made of crni steel

	Code	Size (OD)
Adaptor Union Male Thread	M35360	15 x R 1/2" x G 3/4"
	M35361	15 x R 3/4" x G 3/4"
	M35366	22 x R 1" x G 1"
	M35364	22 x R 1/2" x G 1"
	M35365	22 x R 3/4" x G 1"
	M35367	28 x R 1" x G 1 1/4"
	M35368	35 x R 1 1/4" x G 1 1/2"
	M35369	42 x R 1 1/2" x G 1 3/4"
	M35370	54 x R 2" x G 2 5/8"

Union nut made of crni steel

316 ST.STEEL ADAPTORS

	Code	Size (OD)
Adaptor, Female Thread	M31802	15 x Rp 1/2"
	M31823	15 x Rp 3/4"
	M31801	15 x Rp 3/8"
	M31824	22 x Rp 1"
	M31805	22 x Rp 1/2"
	M31806	22 x Rp 3/4"
	M31825	28 x Rp 1 1/4"
	M31809	28 x Rp 1"
	M31807	28 x Rp 1/2"
	M31819	28 x Rp 3/4"
	M31826	35 x Rp 1 1/2"
	M31811	35 x Rp 1 1/4"
	M31820	35 x Rp 1"
	M31814	42 x Rp 1 1/2"
	M31821	42 x Rp 1 1/4"
	M31822	54 x Rp 1 1/2"
	M31818	54 x Rp 2"
	M36130	108
Adaptor, Male Thread, Plain End	M31932	15 x R 1/2"
	M31936	22 x R 3/4"
	M31937	28 x R 1"
	M31938	35 x R 1 1/4"
	M31939	42 x R 1 1/2"
	M31940	54 x R 2"
Adaptor, Male Thread, NPT	M31833	15 x R 1/2"
	M31837	22 x R 3/4"
	M31838	28 x R 1"
	M31839	35 x R 1 1/4"
	M31840	42 x R 1 1/2"
	M31841	54 x R 2"
Adaptor, Male Thread	M31703	15 x R 1/2"
	M31714	15 x R 3/4"
	M31726	15 x R 3/8"
	M31716	22 x R 1"
	M31715	22 x R 1/2"
	M31707	22 x R 3/4"
	M31718	28 x R 1 1/4"
	M31708	28 x R 1"
	M31717	28 x R 3/4"
	M31720	35 x R 1 1/2"
	M31709	35 x R 1 1/4"
	M31719	35 x R 1"
	M31710	42 x R 1 1/2"
	M31721	42 x R 1 1/4"
	M31722	54 x R 1 1/2"
	M31711	54 x R 2"
	M31713	76.1 x R 2 1/2"
	M31724	88.9 x R 3"
Adaptor With Union Nut	M35132	15 x G 3/4"
	M35134	22 x G 1"
	M35075	28 x G 1 1/2"

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316 STAINLESS STEEL CRIMPED PIPING SYSTEM

316 ST.STEEL END CAPS

	Code	Size (OD)
Cap	M33212	15
	M33214	22
	M33215	28
	M33216	35
	M33217	42
	M33218	54
	M33219	76.1
	M33220	88.9
	M33221	108



316 ST.STEEL FLANGES

	Code	Size (OD)
Flange PN 10/16 Plain End	M33748	54
	M33749	76.1
	M33750	88.9
	M33752	108
Flange PN 10/16 With Pressing Socket	M33732	15
	M33734	22
	M33735	28
	M33736	35
	M33737	42
	M33738	54
	M33739	76.1
	M33740	88.9
	M33741	108
Flanged Stub With Plain End For Loose Flange PN 10/16	M36141	22
	M36142	28
	M36143	35
	M36144	42
	M36145	54
	M36146	76.1
	M36147	88.9
	M36148	108
Seal Ring, CIIR, Black	M90402	15
	M90404	22
	M90405	28
	M90406	35
	M90407	42
	M90408	54
	M90409	76.1
	M90410	88.9
	M90411	108
Seal Ring, FKM, Blue	M90881	12
	M90882	15
	M90884	22
	M90885	28
	M90886	35
	M90887	42
	M90888	54
	M90891	76.1
	M90893	108



316 ST.STEEL EXPANSION FITTINGS

	Code	Size (OD)
Axial Expansion Fitting With Pressing Sockets	M33935	28 x 39
	M33936	35 x 46
	M33937	42 x 56
	M33938	54 x 70
	M33939	76.1 x 88
	M33940	88.9 x 117
	M33941	108 x 144

316 ST.STEEL VALVES

	Code	Size (OD)
316 SS Ball Valve With Lever Handle, CIIR/PTFE	M92100	15
	M92102	22
	M92103	28
	M92104	35
	M92105	42
	M92106	54
	M92107	76.1
	M92108	88.9
	M92109	108
316 SS Non-Return Valve, CIIR/PTFE	M92140	15
	M92142	22
	M92143	28
	M92144	35
	M92145	42
	M92146	54
	M92147	76.1
	M92148	88.9
	M92149	108

MAPRESS ST.STEEL TOOLING

	Code
Mapress Starter Kit	MPRESSKIT
Suitable For D15-35mm, incl: ACO 203 pressing tool, jaws, battery, charger, deburrer and marking tools	
Pressing Tool, In Case	ACO 203 (2), AS/NZS 3112
	M691.218.P6.1
ACO 203XL (2XL), AS/NZS 3112	M691.228.P6.1
Li-Ion Battery, 18V	M690.599.00.1
Battery Charger, 18V, AS/NZS 3112	M690.598.P6.1
Brunox Turbo-Spray	M90000

GEBERIT MAPRESS


GEBERIT

316 STAINLESS STEEL CRIMPED PIPING SYSTEM

MAPRESS ST.STEEL TOOLING

	Code	Size (OD)
Pressing Jaw (2) 	M90532	15
	M90534	22
	M90535	28
	M90536	35
Pressing Collar Set (2), In Case	M691.296.00.2	42-54
Pressing Collar Set (2XL), In Case	M691.188.00.1	76.1/88.9
Pressing Collar Set (2XL), In Case	M691.189.00.1	108
Adaptor Jaw (2XL)	M691.186.00.1	76.1/88.9 & 108
Adaptor Jaw ZB222 (2XL)	M691.187.00.1	108
Case For Pressing Jaw (2),(3) 	M691.137.00.1	
Insertion Distance Template With Marker Pen 	M90351	12 - 108
Marker Pen	M90358	
Pipe Deburrer 	M90363	12 - 54
Pressure Test Plug 	M90922	15
	M90924	22
	M90925	28
	M90926	35
	M90927	42
	M90928	54
	M90929	76.1
	M90930	88.9
	M90931	108
Pipe Cutter 	M91088	12 - 54
Set Of Cutting Wheels For Pipe Cutter	M91092	12 - 54

THE SMARTER CHOICE.

MECHANICAL

COUPLERS AND ADAPTORS

GF WAGA MULTI JOINT FITTINGS					
	Code	Size		Code	Size
Restraint Coupling  (6301)	FWC/050	50mm	Restraint Reducing Flange 	FWFLR/225x200	225x200mm
	FWC/065	65mm		FWFLR/250x225	250x225mm
	FWC/080	80mm			
	FWC/100	100mm			
	FWC/125	125mm			
	FWC/150	150mm			
	FWC/200	200mm			
	FWC/225	225mm			
	FWC/250	250mm			
	FWC/300	300mm			
	FWC/350	350mm			
	FWC/400	400mm			
	FWC/450	450mm			
	FWC/500	500mm			
	FWC/550	550mm			
	FWC/600	600mm			
Restraint Flange  (6306)	FWFL/050	50mm	Restraint Reducing Coupling  (3107)	FWCR/065x050	65 x 50mm
	FWFL/065	65mm		FWCR/080x065	80 x 65mm
	FWFL/080	80mm		FWCR/100x080	100 x 80mm
	FWFL/100	100mm		FWCR/125x100	125 x 100mm
	FWFL/125	125mm		FWCR/150x100	150 x 100mm
	FWFL/150	150mm		FWCR/150x125	150 x 125mm
	FWFL/200	200mm		FWCR/200x150	200 x 150mm
	FWFL/250	250mm		FWCR/225x200	225 x 200mm
	FWFL/300	300mm		FWCR/250x225	250 x 225mm
	FWFL/350	350mm		FWCR/300x250	300 x 250mm
	FWFL/400	400mm			
	FWFL/450	450mm			
	FWFL/500	500mm			
	FWFL/550	550mm			
	FWFL/600	600mm			
Restraint Blind End Cap  (6301)	FWCAP/050	50mm			
	FWCAP/065	65mm			
	FWCAP/080	80mm			
	FWCAP/100	100mm			
	FWCAP/125	125mm			
	FWCAP/150	150mm			
	FWCAP/200	200mm			
	FWCAP/225	225mm			
	FWCAP/250	250mm			
	FWCAP/300	300mm			

- Threaded end caps available on request.
- Wedge must be used on PE / PVC pipes.

The Asmuss multi joint range of pipe couplings, offer a mechanical jointing method with end load restraint for all common pipe materials. The fittings are designed to accept a wide variation in pipe size allowing a single fitting to be used on any common pipe material in a given size.

PE, PVC, ABS, PP, AC, CAST IRON, DUCTILE IRON, STEEL, STAINLESS, COPPER...

SIZING

Asmuss multi joint fittings are wide range couplings and will fit any pipe material in a given pipe dimension.

DN (mm)	Range - OD (mm)
50	46 - 71
65	63 - 90
80	84 - 105
100	104 - 132
125	132 - 155
150	154 - 192
200	192 - 232
225	230 - 268
250	267 - 310
300	315 - 356
350	352-393
400	392-433
425	432-464
450	450-482
475	481-513
500	500-532
550	548-580
600	605-637

PRESSURE RATINGS

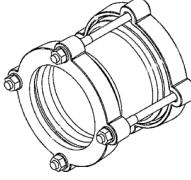
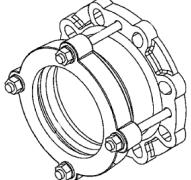
Please refer to the table below for restraint & non-restraint pressure ratings.

RESTRAINT		NON-RESTRAINT	
MULTI/JOINT® 3000 Plus with Fikser		MULTI/JOINT® 3000 Plus without Fikser	
(S)St, CU, DCI, GCI, AC*, GRP*, PVC, PE, PEX, PP-B, PP-H, ABS (* NO guarantee as quality varies!)		(S)St, CU, DCI, GCI, AC, GRP, PVC, PE, PEX, PP-B, PP-H, ABS	
DN	Torque (Nm)	MOP gas [bar]	PFA water [bar]
DN50	30		
DN65	40		
DN80	60		
DN100			
DN125	100		
DN150			
DN200	120		
DN225			
DN250	140		
DN300			
DN350			
DN400	140		
		8	16
		8	16
		120	140
			25

** MOP 5 BAR GAS / PFA 10 BAR WATER FOR PLASTIC PIPE MATERIALS

MECHANICAL

NYLON COATED UNIVERSAL POSISEAL MECHANICAL COUPLERS

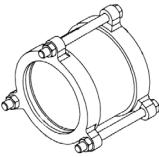
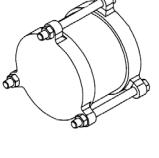
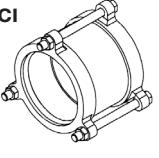
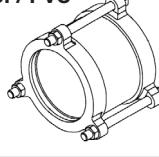
	Code	NB (mm)	Size Range (mm)			Code	NB (mm)	Size Range (mm)
Posiseal Coupler 	DIPSC050	50	59-72	Posiflange Adaptor 	DIPSFC050	50	59-72	
	DIPSC080	80	88-103		DIPSFC080	80	88-103	
	DIPSC100	100	107-128		DIPSFC100	100	109-128	
	DIPSC125	125	132-153		DIPSFC150	150	159-182	
	DIPSC150	150	159-182		DIPSFC200	200	218-235	
	DIPSC200	200	218-235		DIPSFC250TE	250	272-289	
	DIPSC225	225	242-267		DIPSFC300L	300	332-349	
	DIPSC250	250	272-289		DIPSFC300XL	300	315-349	
	DIPSC300L	300	332-349		DIPSFC375	375	398-429	
	DIPSC300S	300	315-332		DIPSFC500	500	498-516	
	DIPSC300XL	300	315-349					
	DIPSC350	350	351-378					
	DIPSC375	375	398-429					
	DIPSC500	500	498-516					

DISMANTLING JOINTS, GIBAULTS, EXPANSION JOINTS, TAPPING BANDS & RIKEN COUPLERS

DISMANTLING JOINTS

			Code	NB (mm)
Asmuss Dismantling Joints are a double flanged fitting that provides easy installation and disassembly of flanged fittings such as valves, meters and pumps in a pipe network. These fittings are suitable for water, waste water and gas reticulation as well as power generation and industrial cooling systems.		Fully Restrained Dismantling Joint AS 4087, PN16 316 SS Rods	DIDJ350SS	350mm

NYLON COATED GIBAULTS

	Code	NB (mm)	OD (mm)		Code	NB (mm)	OD (mm)
Gibault PVC / PVC 	CIGP050-N	50	60	Gibault PVC / Steel 	CIGPS250-N	250	281 / 273
	CIGP065-N	65	75		CIGPS300-N	300	315 / 324
	CIGP080-N	80	89		CIGPS375-N	375	400 / 406
	CIGP100-N	100	114				
	CIGP125-N	125	140				
	CIGP150-N	150	160				
	CIGP155-N	155	168				
	CIGP175-N	175	200				
	CIGP175155-N	175 / 155	200 / 168				
	CIGP190-N	190	219				
	CIGP190175-N	190 / 175	219 / 200				
	CIGP200-N	200	225				
Gibault PVC / Blank 	CIGP200190-N	200 / 190	225 / 219				
	CIGP225-N	225	250				
	CIGP225190-N	225 / 190	250 / 219				
	CIGP250-N	250	281				
	CIGP300-N	300	315				
	CIGP375-N	375	400				
	CIGP080BC-N	80	89	Gibault CI / CI 	CIGC050-N	50	70
	CIGP100BC-N	100	114		CIGC080-N	80	96
	CIGP125BC-N	125	140		CIGC100-N	100	122
	CIGP150BC-N	150	160		CIGC150-N	150	177
	CIGP155BC-N	155	168		CIGC200-N	200	232
	CIGP175BC-N	175	200		CIGC225-N	225	259
	CIGP190BC-N	190	219		CIGC250-N	250	286
	CIGP200BC-N	200	225		CIGC300-N	300	345
	CIGP225BC-N	225	250				
	CIGP250BC-N	250	281				
	CIGP300BC-N	300	315				
Gibault CI / PVC 	CIGS050-N	50	70 / 60				
	CIGS080-N	80	96 / 89				
	CIGS100-N	100	122 / 114				
	CIGS150-N	150	177 / 160				
	CIGS155-N	155	177 / 168				
	CIGS200-N	200	232 / 225				
	CIGS225-N	225	259 / 250				
	CIGS250-N	250	281 / 281				
	CIGS300-N	300	345 / 345				
	CIGC100BC-N	100	122				
	CIGC150BC-N	150	177				
	CIGC200BC-N	200	232				

THE SMARTER CHOICE.

MECHANICAL

GIBAULTS, TAPPING BANDS, EXPANSION JOINTS & RIKEN COUPLERS

FLEXIBLE EXPANSION JOINTS							
	Code	Size			Code	Size	
Expansion Joint Single Sphere T/E	FLFLEX/050TE	50			Expansion Joint Dual Sphere T/E	FLFLEX/080TED	80
	FLFLEX/065TE	65				FLFLEX/100TED	100
	FLFLEX/080TE	80				FLFLEX/150TED	150
	FLFLEX/100TE	100				FLFLEX/200TED	200
	FLFLEX/125TE	125				FLFLEX/250TED	250
	FLFLEX/150TE	150				FLFLEX/300TED	300
	FLFLEX/200TE	200					
	FLFLEX/250TE	250					
	FLFLEX/300TE	300					

NYLON COATED TAPPING BANDS FOR SERIES 1 PVC PIPE					
	Code	NB (mm)	OD (mm)	Offtake Range, BSP	
"Tapping Band For Series 1 PVC Pipe"	CITBP0500XX-N	50	60	15 - 40	
	CITBP0650XX-N	60	75	15 - 40	
	CITBP0800XX-N	80	89	15 - 50	
	CITBP1000XX-N	100	114	15 - 50	
	CITBP1250XX-N	125	140	15 - 50	
	CITBP1500XX-N	150	160	15 - 50	
	CITBP1550XX-N	155	168	15 - 50	
	CITBP1750XX-N	175	200	15 - 50	
	CITBP1900XX-N	190	219	15 - 50	
	CITBP2000XX-N	200	225	15 - 50	
	CITBP200100-N	200	225	100	
	CITBP2250XX-N	225	250	15 - 50	
	CITBP2500XX-N	250	281	20 - 50	
	CITBP3000XX-N	300	315	32 - 50	
	CITBP300100-N	300	315	100	
<i>* Replace XX with required offtake size when ordering</i>	CITBP375050-N	375	400	50	
	CITBP375100-N	375	400	100	

GALVANISED RIKEN FITTINGS							
	Code	NB (mm)			Code	NB (mm)	
Coupling, Complete With Lockrings	GCRC015	15			Male Adaptor, Complete With Lockring	GCRA015	15
	GCRC020	20				GCRA020	20
	GCRC025	25				GCRA025	25
	GCRC032	32				GCRA032	32
	GCRC040	40				GCRA040	40
	GCRC050	50				GCRA050	50

WANG MECHANICAL



COUPLINGS AND REPAIR CLAMPS

Wang Components is one of the leading manufacturers and suppliers of grade 316 clamps and couplings for reticulated water, sewerage and gas distribution mains and industrial piping systems. The product range is widely utilised and specified by Water Authorities throughout Australia and New Zealand for both installation and maintenance of their reticulation network.

The Wang range is extensive covering all pipe diameter's and configurations with off the shelf and custom made fabrications. This price list covers a core range of commonly used products. If you do not see the size or configuration you require please do not hesitate to contact our sales team.

Related Documents:

Refer to our website www.asmuss.co.nz for the full range of Wang Fittings and technical specifications.

WANG REPAIR CLAMPS			
	Code	Range (OD) mm	Length mm
Repair Clamp PN16 316 SS	K2-085AB	85-92	200
	K2-095AB	95-105	200
	K2-100AB	100-110	200
	K2-110AB	110-120	200
	K2-114AB	114-124	200
	K2-120AB	120-130	200
	K2-150AB	150-160	200
	K2-160AB	160-170	200
	K2-175AB	175-185	200
	K2-215AB	215-225	200
	K2-230AB	230-240	200
	K3-59AC	59-64	300
	K3-85AC	85-92	300
	K3-95AC	95-105	300
	K3-150AC	150-160	300
	K3-160AC	160-170	300
	K3-215AC	215-225	300
	K3-230AC	230-240	300
Small Repair Clamps	KKFGAL1-015G	21	75
	KKFGAL1-020G	27	75
	KKFGAL1-025G	34	75
	KKFGAL1-032G	42	75
	KKFGAL1-040G	48	75
	KKFGAL1-050G	60	75
	KKFGAL2-050G	60	150
Repair Clamps PN16 316 SS Tapped	K2-110T050AB	110-120	200
	K2-114T050AB	114-124	200
	K2-120T050AB	120-130	200
	K2-160T050AB	160-170	200
	K2-215T050AB	215-225	200
	K3-230T050AC	230-240	300

WANG VARI-GIB COUPLINGS			
	Code	Range (OD) mm	Length mm
Wang VARI-GIB Straight Coupling PN16 FC/FC SS	KV0059DAS	059-071	110
	KV0072DAS	072-084	110
	KV0088DAS	088-103	110
	KV0123DAS	123-147	110
	KV0170DAS	170-194	110
Wang VARI-GIB Straight Coupling PN16 SS/FC SS	KV0109AAS	109-133	110
	KV0158AAS	158-182	110
	KV0214ACS	214-238	176
	KV0240ACS	240-264	176
	KV0272ACS	272-296	176
	KV0310ADS	310-334	216
	KV0330ADS	330-354	216
Wang VARI-GIB Straight Coupling PN16 SS/SS SS	KV0410CDS	410-434	216
	KV0444CDS	444-468	216
	KV0488CDS	488-512	216
	KV0498CDS	498-522	216
	KV0522CDS	522-546	216
VGIB Blank End PN16. DI. SS Bolts	KVB0109DS	109-133	
	KVB0158DS	158-182	
	KVB0214DS	214-238	
	KVB0330DS	330-354	
VGIB Flange Adaptor PN16 AS4087. DI. SS Bolts	KVFA0109F100DSC	109-133	
	KVFA0158F150DSC	158-182	

THE SMARTER CHOICE.

CHEMICAL WASTE SYSTEM



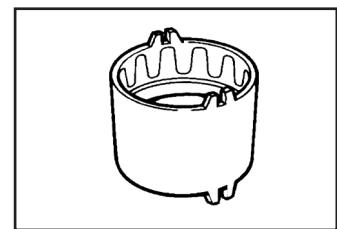
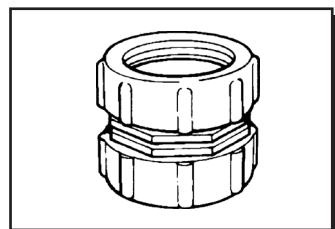
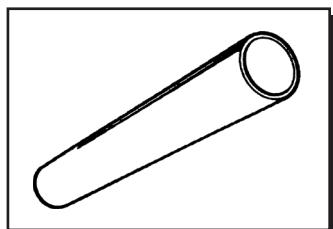
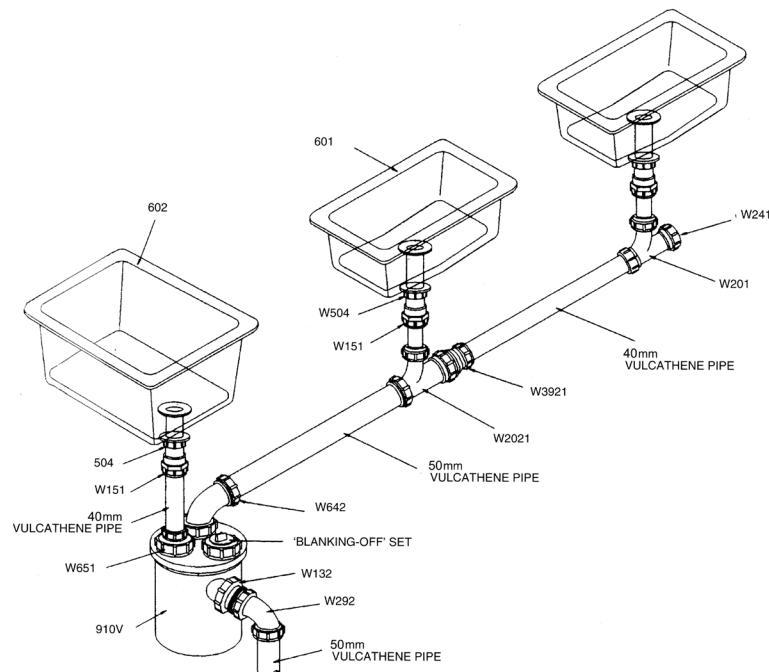
VULCATHENE MECHANICAL AND ENFUSION

Asmuss' Chemical Waste Systems
continue to provide a comprehensive,
corrosion resistant answer to severe
industrial, trade and laboratory
discharges.

This is a complete range of pipes and fittings in nominal sizes 40mm to 150mm with specialist accessories such as drip cups, antisiphons, dilution traps, sinks, etc.

Produced under ISO 9002 and QAS/48/4836/22 quality standards, Vulcathene holds BBA certification No 9/2805 for all its mechanical system, together with US NSF approvals and complies with AS/NZS 3500.2.2 with many above and below ground installations completed over the years.

Today Asmuss offers 3 compatible and interchangeable parts to the system.



PE DRAINAGE PIPE

	Code	Size NB (mm)	Internal Diameter (mm)	External Diameter (mm)	Nom. Wall Thickness (mm)
Pipe	PVW0011	40	37.6	47.6	5.0
	PVW0012	50	50.3	60.3	5
	PVW0013	80	76	89	6.5
	PVW0014	100	102.3	114.3	6
	PVW0016	150	150.3	168.3	9

VULCATHENE MECHANICAL FITTING SYSTEM

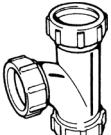
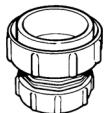
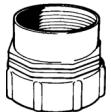
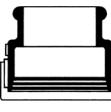
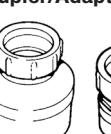
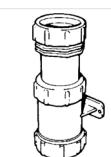
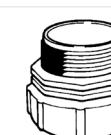
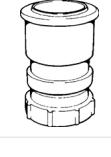
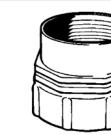
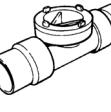
	Code	Size NB (mm)		Code	Size NB (mm)
92½° Bend	FVW181	40	135° Loose Nut Bend	FVW211	40
	FVW182	50		FVW212	50
	FVW183	80		FVW213	80
	FVW184	100		FVW214	100
92½° Loose Nut Bend	FVW291	40	135° Bend	FVW191	40
	FVW292	50		FVW192	50
	FVW293	80		FVW193	80
	FVW294	100		FVW194	100
Pipe Coupler	FVW161	40	U Bend	FVW701	40
	FVW162	50		FVW702	50
	FVW163	80			
	FVW164	100			

CHEMICAL WASTE SYSTEM

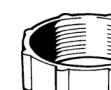


VULCATHENE MECHANICAL AND ENFUSION

VULCATHENE MECHANICAL FITTING SYSTEM

	Code	Size NB (mm)		Code	Size NB (mm)
92½° Equal Sweep Tee 	FVW201 FVW202 FVW203 FVW204	40 50 80 100	2½" FI to Pipe Coupler 	FVW132	50
92½° Reduced Branch Tee 	FVW2021	50 x 40	1¼" FI to 1½" MI BSP Reducer 	FVW121	40
45° Single Wye 	FVW371 FVW372 FVW373 FVW374	40 50 80 100	FI to Pipe Coupler 	FVW271	40 x 1¼"
45° Double Wye 	FVW381 FVW382 FVW383 FVW384	40 50 80 100	Beaded Glass Adaptor 	FVW451 FVW452 FVW453	40 50 80
Reducing Coupler/Adaptor 	FVW3921 FVW3931 FVW3932 FVW3941 FVW3942 FVW3943	50x40 80x40 80x50 100x40 100x50 100x80	Thermal Stress Relief Unit 	FVW801 FVW802	40 50
MI to Pipe Coupler 	FVW141 FVW142	40 x 1½" 50 x 2"	Thermal Stress Relief Unit 	FVW803 FVW804	80 100
FI to Pipe Coupler 	FVW151 FVW152	40 50	Access Pipe (Spigot Ends) 	FVW902 FVW903 FVW904	50 80 100
			BS Table D Flange 	FVWTD1 FVWTD2 FVWTD3 FVWTD4	40 50 80 100

VULCATHENE ACCESSORIES

	Code	Size NB (mm)		Code	Size NB (mm)
No Heat Olive 	FVW2211 FVW2221 FVW2231 FVW2241	40 50 80 100	Spanner 	FVW361 FVW362 FVW363 FVW364	40 50 80 100
Nut 	FVW231 FVW232 FVW233 FVW234	40 50 80 100	Cutting Tool 	FVW261 FVW262 FVW263 FVW264	40 50 80 100
Blanking-Off Plug 	FVW241 FVW242 FVW243 FVW244	40 50 80 100	Vulcathene Lubricant 	FVWLP	

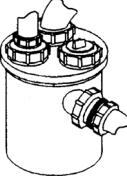
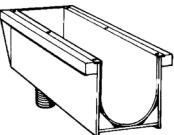
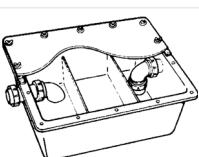
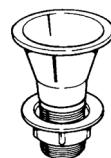
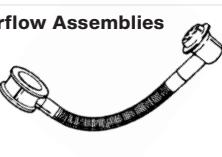
THE SMARTER CHOICE.

CHEMICAL WASTE SYSTEM

 Vulcathene

VULCATHENE MECHANICAL AND ENFUSION

VULCATHENE TRAPS, WASTES, SINKS AND ACCESSORIES

	Code	Size NB (mm)			Code	Size NB (mm)
Dilution Recovery Trap, 4.5 litre	FVW612	50		Sink (Injection Moulded) 496 x 214 x 171mm 552 x 400 x 238mm	FVW601S	40
					FVW602	40
Anti-Siphon Bottle Trap PP	FVW561	40		Sink (Vacuum Formed)	FVW6041	40
					FVW6042	40
Anti-Siphon Bottle Trap Glass Base	FVW571	40		Order wastes separately	FVW6044	40
				Trough	FVW6051	40
Anti-Siphon Dilution Recovery Trap 2.3 litre, PP	FVW681	40				
				403 x 190mm		
Anti-Siphon Dilution Recovery Trap 2.3 litre, Glass Base	FVW691	40		Running Trough	FVW603	
						
Clay Trap	FVW915			Size to order		
						
Circular Drip Cup				Wastes		
Small - 102mm dia.	FVW501	40		Unslotted		32x63
Large - 168mm dia.	FVW500	40			FVW504	40x63
						40x89
Oval Drip Cup					FVW504S	50x89
Small - 175 x 102mm	FVW497	40		or Slotted		
Large - 264 x 111mm	FVW499B	40				
- 264 x 117mm	FVW499W	40				
- 305 x 152mm	FVW499T	40				
						
P and S Traps can be easily configured from Fittings:				Plug and Chain Assemblies	FVW5081	32
P Trap = 1x U Bend + 1x 92.5° Loose Nut Bend					FVW5082	40
S Trap = 1x U Bend + 2 x 92.5° Loose Nut Bends					FVW5083	50
						
				Overflow Assemblies	FVW509	
						
				(waste is not included)		
				Standing Waste Tubes Plain	FVW5071	32x140
					FVW5073	32x180
					FVW5075	40x140
					FVW5077	40x180
					FVW5079	50x225

P and S Traps can be easily configured from Fittings:

P Trap = 1x U Bend + 1x 92.5° Loose Nut Bend

S Trap = 1x U Bend + 2 x 92.5° Loose Nut Bends

CHEMICAL WASTE SYSTEM



VULCATHENE MECHANICAL AND ENFUSION

VULCATHENE ENFUSION FITTING SYSTEM

	Code	Size NB (mm)		Code	Size NB (mm)	
Long Sweep Bend M and F	FVL281 FVL282 FVL283 FVL284 FVL286	40 50 80 100 150		92½° Equal Sweep Tee Socketed	FVL201 FVL202 FVL203 FVL204	40 50 80 100
Socketed Long Sweep Bend	FVL171 FVL172 FVL173 FVL174 FVL176	40 50 80 100 150		92½° Reducing Sweep Tee Socketed	FVL2031 FVL2032	80x40 80x50
Socket Short Sweep Bend	FVL181 FVL182	40 50		Coupler (Socketed)	FVL161 FVL162 FVL163 FVL164 FVL166	40 50 80 100 150
Socketed 45° Bend	FVL191 FVL192 FVL193 FVL194	40 50 80 100		Reducing Coupler (Socketed/Spigot)	FVL3912 FVL3913 FVL3914 FVL3916 FVL3923 FVL3924 FVL3926 FVL3934 FVL3936 FVL3946	50x40 80x40 100x40 150x40 80x50 100x50 150x50 100x80 150x80 150x100
Socket/Spigot 45° Slow Bend	FVL211 FVL212 FVL213 FVL214	40 50 80 100		FI to Pipe Coupler	FVL151 FVL152	40 50
45° Single Wye (Socketed)	FVL371 FVL372 FVL373 FVL374 FVL376	40 50 80 100 150		'P' Trap (Socketed)	FVLT13 FVLT14 FVLT16	80 100 150
45° Reducing Wye (Socketed)	FVL3721 FVL3731 FVL3732 FVL3742 FVL3743 FVL3762 FVL3763 FVL3764	50x40 80x40 80x50 100x50 100x80 150x50 150x80 150x100		U Bend (Socketed)	FVL1011 FVL1012	40 50
92½° Double Branch (Socketed)	FVL351 FVL352 FVL353 FVL354	40 50 80 100		Access Pipe	FVL902 FVL903 FVL904	50 80 100
				Flange	FVL361 FVL362 FVL363 FVL364 FVL366	40 50 80 100 150
					Bolts supplied separately. Also available undrilled	

ENFUSION ACCESSORIES

	Code	Size NB (mm)		Code	Size NB (mm)	
Cleanout Plug	FVL241 FVL242 FVL243 FVL244 FVL246	40 50 80 100 150		Pipe Scraper	PF53002001	n/a
Enfuson Control Box	FVL2600 FVL2601			Clamps (Socketed)	FVL261 FVL262 FVL263 FVL264 FVL266	40 50 80 100 150
Link Cable	FVL2610	n/a				



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