

Dix stainless steel fittings use only the highest quality materials to provide you with confidence and reliability. We can manufacture fittings to your specific requirements.



Features and Benefits:

- Manufactured in Australia
Made to local requirements and can be readily made to match your specific requirements.
- One piece construction
Easy to install.
- High quality cross ribbed rubber seal
Provides a reliable long lasting repair.
- Fasteners are coated and fitted with plastic end caps
Prevents galling and bruises to end of threads.

Typical Applications:

Repair clamps are typically used for repair of pipes with cracks or pinholes and can be used as a joining device when the pipe is well restrained and aligned. Tapping bands provide a quick and easy method to install a branch to a pipe.

- Water utilities
- Irrigations systems
- Mining
- Cooling Water Systems

Product Specifications:

- Stainless steel 316 – fully passivated to protect against corrosion.
- Maximum pressure rating 1600 kPa.
- Maximum temperature 60°C.
- Standard width 200mm. 400mm and 600mm also available.
- Rubber seals manufactured to AS1646 "Elastomeric seals for waterworks purposes"

Product Range:

- **Repair Clamps**
Available to suit pipes from 80mm to 450mm (ex-stock). Can be manufactured to your specific requirements up to 1200mm diameter.
- **Stepped Clamps**
To repair leaking PVC glued joints. Available to suit pipes from 100mm to 300mm.
- **Tapping Bands**
BSP branch or flanged branch outlet.
Flange Options – Table D and E to AS2129 ANSI, DIN etc

Standard Repair Clamps

Stainless steel repair clamps can be used to repair cracks or holes in pipelines. They can also be used to join pipes where a good fit up is assured. They are suitable for both water supply and irrigation.

WE CAN PRODUCE VARIATIONS THAT ARE EITHER LONGER, LARGER IN DIAMETER, HAVE FLANGED OUTLETS OR THREADED TAPPINGS.

Diameter Range	Suits Pipe Size				Code
	PVC Pipe (Series 1)	AC Pipe	Concrete	Hobas	
80 – 95	80				PG/R2N080095
95 – 110		80			PG/R2N095110
110 – 125	100				PG/R2N110125
120 – 135		100			PG/R2N120135
135 – 150	125				PG/R2N135150
155 – 170	150&155		100		PG/R2N155170
170 – 185		150			PG/R2N170185
190 – 205	175		150 Class 1		PG/R2N190205
200 – 215		175	150 Class 2		PG/R2N200215
215 – 230	195&200				PG/R2N215230
230 – 245		200			PG/R2N230245
245 – 260	225				PG/R2N245260
260 – 275		225	200 Class 1		PG/R2N260275
275 – 290	250		225 Class 1		PG/R2N275290
285 – 300		250	225 Class 2		PG/R2N285300
305 – 320	300		225 Class 3&4		PG/R2N305320
325 – 340		300 Class AB			PG/R2N325340
340 – 355		300 Class AD		300	PG/R2N340355
395 – 410	375		300 Class 3		PG/R2N395410
410 – 425		375 Class AB			PG/R2N410425
425 – 440		375 Class CD		375	PG/R2N425440
490 – 520	450	450	375 Class 3	450	PG/R2N490520

Stepped Repair Clamps for PVC Pipe (Series 1)

Stepped repair clamps are used to repair leaks in glued joints at sockets, tees, elbows. Contact your sales representative to discuss your special requirements.

Size	Code		
	Class 4.5	Class 6	Class 9
100	PG/R2SP04100	PG/R2SP06100	
125	PG/R2SP04125	PG/R2SP06125	
150	PG/R2SP04150	PG/R2SP06150	PG/R2SP09150
155	PG/R2SP04155	PG/R2SP06155	PG/R2SP09155
175	PG/R2SP04175	PG/R2SP06175	PG/R2SP09175
195	PG/R2SP04195	PG/R2SP06195	PG/R2SP09195
200	PG/R2SP04200	PG/R2SP06200	PG/R2SP09200
225	PG/R2SP04225	PG/R2SP06225	PG/R2SP09225
250	PG/R2SP04250	PG/R2SP06250	PG/R2SP09250
300	PG/R2SP04300	PG/R2SP06300	PG/R2SP09300

Cast fittings are made in the Dix foundry from T200 grade cast iron. Castings are bitumen dipped for long life. Mild steel bolts and straps optionally available in 316 stainless steel. Rubber rings comply to AS1646 – Elastomeric seals for waterworks purposes.



Features & Benefits:

- Bitumen coated
Corrosion resistant and improves thread sealing.
- Solid cast-iron construction
Strong robust threads will not crack or split when tightening.
- U-bolt or strap holds saddle to pipe
Very tolerant to variations in pipe diameter and shape.
- Saddle and seal are curved to match the pipe diameter
Distributes the load evenly and supports the pipe.
- Soft, flexible elastometric seal material
Adapts to irregularities in the pipe surface.
- T200 resistance to electrolysis and corrosion
Long-life and dependable.
- O-ring common to most size
Reduced spare parts.

Typical Applications:

- Mining
- Water utilities
- Irrigation systems
- Cooling water systems
- Industrial water supply



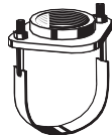
Product Specifications:

- Fittings to suit PE, PVC, CI and AC pipe
- Quality cast iron made here in Australia
- Bitumen coated – can be powder or epoxy coated on request to suit specific requirements.
- Tapping Saddles – 316 stainless steel straps available
- Rubber seals manufactured to AS1646 "Elastomeric seals for waterworks purposes"
- Rated to match original pipe specifications
- Made to order fabrication of fittings available

Product Range:

- Tapping Saddles
- Weld On Spigots
- Gibaults
- Flanges
- Air Release Valves

Tapping Saddles for PE Pipe

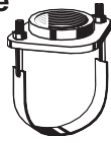
Single

Double


Code	Pipe Size x Female BSP Thread	Code
Stainless Steel		Stainless Steel
PG/SPSL03F1X	90 x 25	
PG/SPSL03F0X	90 x 40	
PG/SPSL04F1X	110 x 25	
PG/SPSL04F2X	110 x 50	
PG/SASL04F1X	125 x 25	
PG/SASL04F2X	125 x 50	
PG/SESL05F1X	140 x 25	
PG/SESL05F2X	140 x 50	
PG/SPSL06F1X	160 x 25	
PG/SPSL06F2X	160 x 50	PG/SPSM06F2X
	160 x 80	PG/SPSM06F3X
	160 x 100	PG/SPSM06F4X
PG/SESL08F1X	200 x 25	
PG/SESL08F2X	200 x 50	PG/SESM08F2X
	200 x 80	PG/SESM08F3X
	200 x 100 ^{Male}	PG/SESM08M4X
PG/SPSL08F1X	225 x 25	
PG/SPSL08F2X	225 x 50	PG/SPSM08F2X
	225 x 80	PG/SPSM08F3X
	225 x 100	PG/SPSM08F4X
PG/SPSL09F1X	250 x 25	
PG/SPSL09F2X	250 x 50	PG/SPSM09F2X
	250 x 80	PG/SPSM09F3X
	250 x 100	PG/SPSM09F4X
PG/SPSL10F1X	280 x 25	
PG/SPSL10F2X	280 x 50	PG/SPSM10F2X
	280 x 80	PG/SPSM10F3X
	280 x 100	PG/SPSM10F4X
	315 x 25	PG/SPSM12F1X
	315 x 50	PG/SPSM12F2X
	315 x 80	PG/SPSM12F3X
	315 x 100	PG/SPSM12F4X
	355 x 25	PG/SESM14F1X
	355 x 50	PG/SESM14F2X
	355 x 80	PG/SESM14F3X
	355 x 100	PG/SESM14F4X
	450 x 25	PG/SESM18F1X
	450 x 50	PG/SESM18F2X
	450 x 80	PG/SESM18F3X
	450 x 100	PG/SESM18F4X

***OTHER SIZES eg. 630 CAN BE MADE ON REQUEST**

Including tapping saddles to suit pipe sizes 180, 400, 500, 560 and 630.

Tapping Saddles for PVC Pipe (Series 1)

Single

Double


Code	Pipe Size x Female BSP Thread	Code
Stainless Steel		Stainless Steel
PG/SPSL03F1X	80 x 25	
PG/SPSL03F0X	80 x 40	
PG/SPSL04F1X	100 x 25	
PG/SPSL04F2X	100 x 50	
PG/SPSL06F1X	150 x 25	
PG/SPSL06F2X	150 x 50	PG/SPSM06F2X
	150 x 80	PG/SPSM06F3X
	150 x 100	PG/SPSM06F4X
PG/SPSL08F1X	195/200 x 25	
PG/SPSL08F2X	195/200 x 50	PG/SPSM08F2X
	195/200 x 80	PG/SPSM08F3X
	195/200 x 100	PG/SPSM08F4X
PG/SPSL09F1X	225 x 25	
PG/SPSL09F2X	225 x 50	PG/SPSM09F2X
	225 x 80	PG/SPSM09F3X
	225 x 100	PG/SPSM09F4X
PG/SPSL10F1X	250 x 25	
PG/SPSL10F2X	250 x 50	PG/SPSM10F2X
	250 x 80	PG/SPSM10F3X
	250 x 100	PG/SPSM10F4X
	300 x 25	PG/SPSM12F1X
	300 x 50	PG/SPSM12F2X
	300 x 80	PG/SPSM12F3X
	300 x 100	PG/SPSM12F4X
	375 x 25	PG/SPSM15F1X
	375 x 50	PG/SPSM15F2X
	375 x 80	PG/SPSM15F3X
	375 x 100	PG/SPSM15F4X
	450 x 25	PG/SPSM18F1X
	450 x 50	PG/SPSM18F2X
	450 x 80	PG/SPSM18F3X
	450 x 100	PG/SPSM18F4X
	575 x 25	PG/SPSM23F1X
	575 x 50	PG/SPSM23F2X
	575 x 80	PG/SPSM23F3X
	575 x 100	PG/SPSM23F4X

Tapping Saddles for AC Pipe

Single

Double


Code	Pipe Size x Female BSP Thread	Code
Stainless Steel		Stainless Steel
PG/SASL04F2X	100 x 50	
PG/SASL06F1X	150 x 25	
PG/SASL06F2X	150 x 50	PG/SASM06F2X
	150 x 80	PG/SASM06F3X
	150 x 100 ^{Male}	PG/SASM06M4X
PG/SASL08F1X	200 x 25	
PG/SASL08F2X	200 x 50	PG/SASM08F2X
	200 x 80	PG/SASM08F3X
	200 x 100	PG/SASM08F4X
PG/SASL09F1X	225 x 25	
PG/SASL09F2X	225 x 50	PG/SASM09F2X
	225 x 80	PG/SASM09F3X
	225 x 100	PG/SASM09F4X
PG/SASL10F1X	250 x 25	
PG/SASL10F2X	250 x 50	PG/SASM10F2X
	250 x 80	PG/SASM10F3X
	250 x 100	PG/SASM10F4X
	300 x 25	PG/SASM12F1X
	300 x 50	PG/SASM12F2X
	300 x 80	PG/SASM12F3X
	300 x 100	PG/SASM12F4X
	375 x 25	PG/SASM15F1X
	375 x 50	PG/SASM15F2X
	375 x 80	PG/SASM15F3X
	375 x 100	PG/SASM15F4X
	450 x 25	PG/SASM18F1X
	450 x 50	PG/SASM18F2X
	450 x 80	PG/SASM18F3X
	450 x 100	PG/SASM18F4X
	525 x 25	PG/SASM21F1X
	525 x 50	PG/SASM21F2X
	525 x 80	PG/SASM21F3X
	525 x 100	PG/SASM21F4X
	600 x 25	PG/SASM24F1X
	600 x 50	PG/SASM24F2X
	600 x 80	PG/SASM24F3X
	600 x 100	PG/SASM24F4X

Saddle Castings – AC Pipe



Description	Code
Light Female Saddle	
50 x 25	PG/ZSAL02F01
80 x 25	PG/ZSAL03F01
80 x 50	PG/ZSAL03F02
100 x 25	PG/ZSAL04F01
100 x 50	PG/ZSAL04F02
150 x 25	PG/ZSAL06F01
150 x 50	PG/ZSAL06F02
200/225/250 x 25	PG/ZSAL08F01
200/225/250 x 50	PG/ZSAL08F02
Medium Female Saddle	
150 x 50	PG/ZSAM06F02
150 x 80	PG/ZSAM06F03
150 x 100	PG/ZSAM06M04
200 x 50	PG/ZSAM08F02
200 x 80	PG/ZSAM08F03
200 x 100	PG/ZSAM08F04
225/250 x 50	PG/ZSAM09F02
225/250 x 80	PG/ZSAM09F03
225/250 x 100	PG/ZSAM09F04
300 x 25	PG/ZSAM12F01
300 x 50	PG/ZSAM12F02
300 x 80	PG/ZSAM12F03
300 x 100	PG/ZSAM12F04
375/450 x 25	PG/ZSAM15F01
375/450 x 50	PG/ZSAM15F02
375/450 x 80	PG/ZSAM15F03
375/450 x 100	PG/ZSAM15F04
525/600 x 25	PG/ZSAM21F01
525/600 x 50	PG/ZSAM21F02
525/600 x 80	PG/ZSAM21F03
525/600 x 100	PG/ZSAM21F04

Saddle Castings – PVC Pipe



Description	Code
Light Female Saddle	
80 x 40	PG/ZSPL03F00
80 x 25	PG/ZSPL03F01
100 x 25	PG/ZSPL04F01
100 x 50	PG/ZSPL04F02
150 x 25	PG/ZSPL06F01
150 x 50	PG/ZSPL06F02
Medium Female Saddle	
150 x 50	PG/ZSPM06F02
150 x 80	PG/ZSPM06F03
150 x 100	PG/ZSPM06F04

Rubber Rings



Description	Code
Saddle Rubber Rings	
50 OD	PG/ZA050000
125 OD	PG/ZA120000
150	PG/ZAF150000
Gibault Rings	
50	PG/ZAF050000
80	PG/ZAF080000
100	PG/ZAF100000
150	PG/ZAF150000
200	PG/ZAF200000
225	PG/ZAF225000
250	PG/ZAF250000
300	PG/ZAF300000
375	PG/ZAF375000

Stainless Steel Clamps

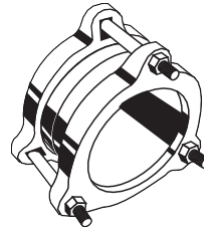


Size	Code	Code
	AC Pipe	PVC Pipe
50		
80		PG/ZCPS08000
100	PG/ZCAS10000	PG/ZCPS10000
150	PG/ZCAS15000	PG/ZCPS15000
200	PG/ZCAS20000	PG/ZCPS20000
225	PG/ZCAS22500	PG/ZCPS22500
250	PG/ZCAS25000	PG/ZCPS25000
300	PG/ZCAS30000	PG/ZCPS30000
375	PG/ZCAS37500	PG/ZCPS37500
450	PG/ZCAS45000	PG/ZCPS45000
525	PG/ZCAS52500	
600	PG/ZCAS60000	

Gibault Couplings

Gibaults make use of the popular and reliable compressed o-ring seals to make a joint. Couplings and Adaptors are used to join pipes of the same type/size or adapt from one type/size of pipe to another. Special configurations can be designed and manufactured to suit your non-standard applications. Accommodates 7° misalignment.

Materials: Sleeve: Cast Iron, bitumen dipped
 Flange: Cast Iron, bitumen dipped
 Bolts: Galvanised steel
 Ring: Rubber (AS1466)

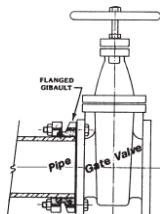
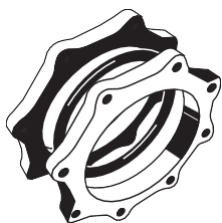


Pipe Size	Code	Code	Pipe Size	Code
	AC Pipe	PVC Pipe (Series 1)		Adaptors
50	PG/GCA02000X	PG/GCP02000X	50AC/50PVC	PG/GAA02P02X
80	PG/GCA03000X	PG/GCP03000X	80AC/80PVC	PG/GAA03P03X
100	PG/GCA04000X	PG/GCP04000X	100AC/100PVC	PG/GAA04P04X
150	PG/GCA06000X	PG/GCP06000X	150AC/150PVC	PG/GAA06P06X
175		PG/GCP07000X	200AC/195PVC	PG/GAA08P07X
195		PG/GCP07500X	200AC/200PVC	PG/GAA08P08X
200	PG/GCA08000X	PG/GCP08000X	225AC/225PVC	PG/GAA09P09X
225	PG/GCA09000X	PG/GCP09000X	250AC/250PVC	PG/GAA10P10X
250	PG/GCA10000X	PG/GCP10000X	300AC/300PVC	PG/GAA12P12X
300	PG/GCA12000X	PG/GCP12000X		
375		PG/GCP15000X	200PVC/195PVC	PG/GAP08P07X

Flanged Gibaults

Flanged gibaults are the perfect way to fit valves, filters and other flanged fittings into a line. Using a common set of bolts they combine a flange seal to the fitting and an o-ring connection to the pipe. This allows easy removal for repairs and reduces the pipe load on the item.

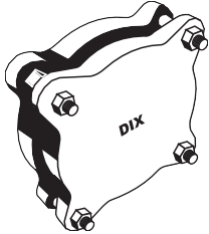
Flange Specification: AS2129 Table D



Pipe Size	Code	Code
	AC Pipe	PVC Pipe (Series 1)
100	PG/GFA04000X	PG/GFP04000X
150	PG/GFA06000X	PG/GFP06000X
195		PG/GFP07000X
200	PG/GFA08000X	PG/GFP08000X
250		PG/GFP10000X
300		PG/GFP12000X

Blank Ends

Blank Ends are used to seal off the end of a pipe.

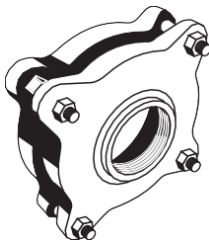


Pipe Size	Code	Code
	AC Pipe	PVC Pipe (Series 1)
50	PG/GBA02000X	
80	PG/GBA03000X	
100	PG/GBA04000X	PG/GBP04000X
150	PG/GBA06000X	PG/GBP06000X
175		PG/GBP07000X
195		PG/GBP07500X
200	PG/GBA08000X	PG/GBP08000X
225	PG/GBA09000X	PG/GBP09000X
250	PG/GBA10000X	PG/GBP10000X
300		PG/GBP12000X
375		PG/GBP15000X

Tapped Ends

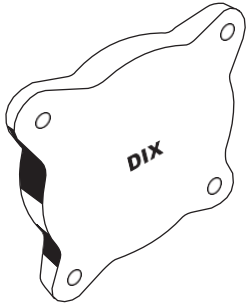
Tapped ends are used to reduce the size for a threaded connection to a line off the end of the pipe.

All threads are Female BSP.



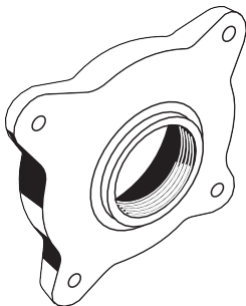
Pipe Size	Code	Code
	AC Pipe	PVC Pipe (Series 1)
50 x 50	PG/GTA02002X	
80 x 80	PG/GTA03003X	
100 x 100	PG/GTA04004X	PG/GTP04004X
150 x 100	PG/GTA06004X	PG/GTP06004X
175 x 100		PG/GTP07004X
195 x 100		PG/GTP07504X
200 x 100	PG/GTA08004X	PG/GTP08004X
225 x 100	PG/GTA09004X	PG/GTP09004X
250 x 100	PG/GTA10004X	PG/GTP10004X

Blank End Castings



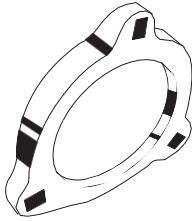
Pipe Size	Code	Code
	AC Pipe	PVC Pipe (Series 1)
50mm	PG/ZEBA02000	PG/ZEBP04000
80mm	PG/ZEBA03000	PG/ZEBP06000
100mm	PG/ZEBA04000	PG/ZEBP07000
150mm	PG/ZEBA06000	PG/ZEBP07800
200mm	PG/ZEBA08000	PG/ZEBP08000
225mm	PG/ZEBA09000	PG/ZEBP09000
250mm	PG/ZEBA10000	PG/ZEBP10000
300mm		PG/ZEBP12000
375mm		PG/ZEBP15000

Tapped End Castings



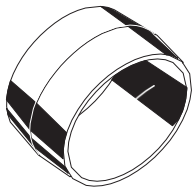
Pipe Size	Code	Code
	AC Pipe	PVC Pipe (Series 1)
50mm x 2"	PG/ZETA02020	
80mm x 3"	PG/ZETA03030	
100mm x 4"	PG/ZETA04040	PG/ZETP04040
150mm x 4"	PG/ZETA06040	PG/ZETP06040
175mm x 4"		PG/ZETP07040
195mm x 4"		PG/ZETP07804
200mm x 4"	PG/ZETA08040	PG/ZETP08040
225mm x 4"	PG/ZETA09040	PG/ZETP09040
250mm x 4"	PG/ZETA10040	PG/ZETP10040

Flanges



Size	Code	Code
	AC Pipe	PVC Pipe
50mm	PG/ZGFA02000	PG/ZGFP02000
80mm	PG/ZGFA03000	PG/ZGFP03000
100mm	PG/ZGFA04000	PG/ZGFP04000
150mm	PG/ZGFA06000	PG/ZGFP06000
175mm		PG/ZGFP07000
195mm		PG/SGFP07800
200mm	PG/ZGFA08000	PG/ZGFP08000
200mm AC/195mm PVC	PG/ZGFA08P07	
200mm AC / 200mm PVC	PG/ZGFA08P08	
225mm	PG/ZGFA09000	PG/ZGFP09000
225mm AC / 225mm PVC	PG/ZGFA09P09	
250mm	PG/ZGFA10000	PG/ZGFP10000
300mm	PG/ZGFA12000	PG/SGFP12000
375mm		PG/ZGFP15000

Sleeves



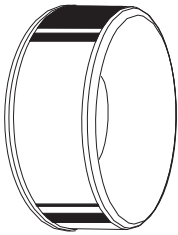
Size	Code	Code
	AC Pipe	PVC Pipe
50mm	PG/ZGSA02000	PG/ZGSP02000
50mm AC / 50mm PVC	PG/ZGSA02P02	
80mm	PG/ZGSA03000	PG/ZGSP03000
80mm AC / 80mm PVC	PG/ZGSA03P03	
100mm	PG/ZGSA04000	PG/ZGSP04000
100mm AC / 100mm PVC	PG/ZGSA04P04	
150mm	PG/ZGSA06000	PG/ZGSP06000
150mm AC / 150mm PVC	PG/ZGSA06P06	
175mm		PG/ZGSP07000
195mm		PG/ZGSP07800
200mm	PG/ZGSA08000	PG/ZGSP08000
200mm PVC / 195mm PVC		PG/ZGSP08P78
200mm AC / 200mm PVC	PG/ZGSA08P08	
225mm AC / 195mm PVC	PG/ZGSA08P78	
225mm	PG/ZGSA09000	PG/ZGSP09000
225mm AC / 225mm PVC	PG/ZGSA09P09	
250mm	PG/ZGSA10000	PG/ZGSP10000
250mm AC / 250mm PVC	PG/ZGSA12000	
300mm	PG/ZGSA12000	PG/ZGSP12000
300mm AC / 300mm PVC	PG/SGSA12P12	
375mm		PG/ZGSP15000

Weld On Spigots

Weld On Spigots are used to allow a fabricated fitting to be installed with a roll ring joint or a gibault connection. All mild steel spigots are fully machined to provide an accurate surface and guaranteed seal. They are also available in stainless steel.

Materials: Body: Mild Steel (ready for welding)

Length: PVC 150mm
 AC all 100 to 250, 300 & 375 Class A&B 75mm
 AC 300 & 375 Class C&D and all 450 100mm



Pipe Size	Class	Code	Code
		AC Pipe	PVC Pipe (Series 1)
100	All	PG/WA100A075	PG/WP1000150
150	All	PG/WA150A075	PG/WP1500150
175	All		PG/WP1750150
195	All		PG/WP1950150
200	All	PG/WA200A075	PG/WP2000150
225	All	PG/WA225A075	PG/WP2250150
250	All	PG/WA250A075	PG/WP2500150
300	AC Cass A&B	PG/WA300A075	PG/WP3000150
	AC Class C&D, Hobas, DI	PG/WA300C100	
375	AC Cass A&B	PG/WA375A075	PG/WP3750150
	AC Class C&D, Hobas, DI	PG/WA375C100	
450	AC Cass A&B	PG/WA450A100	PG/WP4500150
	AC Class C&D, Hobas, DI	PG/WA450C100	

Standard Pipe Dimensions

POLYETHYLENE PRESSURE PIPE		
Nominal Size (mm)	Outside Dia. Min	Outside Dia. Max
50	50.0	50.5
63	63.0	63.6
75	75.0	75.7
90	90.0	90.9
110	110.0	111.0
125	125.0	126.2
140	140.0	141.3
160	160.0	161.5
180	180.0	181.7
200	200.0	201.8
225	225.0	227.1
250	250.0	252.3
280	280.0	282.6
315	315.0	317.9
355	355.0	358.2
400	400.0	403.6
450	450.0	454.1
500	500.0	504.5
560	560.0	565.1

ASBESTOS CEMENT PIPE		
Nominal Size (mm)	Outside Dia. Machined Spigot	Outside Dia. Pipe (approx.)
50	70.1	71
80	95.6	97
100	121.9	126
150	177.3	180
175	203	
200	232.2	237
225	259.1	262
250	286.0	290
300AB	333.8	337
300CD	345.4	349
375AB	413.0	417
375CD	426.0	430
450AB	492.2	497
450CD	507.0	512
525AB	571.5	576
525CD	587.2	592
600AB	650.2	657
600CD	667.0	674

CONCRETE PIPE	
Nominal Size (mm)	Outside Dia.
100	160
150	197
150	211
200	268
225 Class1	279
225 Class2	293
225 Class3	305
225 Class4	311
250	320
300 Class1	362
300 Class2	380
300 Class3	400
375 Class1	445
375 Class2	457
375 Class3	495
450 Class1	533
450 Class2	565
450 Class3	597
525 Class1	616
525 Class2	636
600 Class1	698
600 Class2	724
600 Class3	762

PVC (BLUE) PRESSURE PIPE SERIES 2		
Nominal Size (mm)	Outside Dia. Min	Outside Dia. Max
100	121.7	122.1
150	177.1	177.6
200	231.9	232.6
225	258.9	259.6
250	285.8	286.6
300	344.9	345.8
375	425.7	426.7
450	506.5	507.5
525	559.8	560.8
575	630.0	
600	666.5	667.5

PVC PRESSURE PIPE SERIES 1		
Nominal Size (mm)	Outside Dia. Min	Outside Dia. Max
50	60.2	60.5
80	88.7	89.1
100	114.1	114.5
125	140.0	140.4
150	160.0	160.5
155	168.0	
175	200.0	200.5
195	219.0	219.5
200	225.0	225.6
225	250.0	250.7
250	280.0	280.8
300	315.0	315.9
350	355.0	356.0
375	400.0	401.0
400	450.0	451.0
450	500.0	501.0

CASTIRON PRESSURE PIPE	
Nominal Size (mm)	Outside Dia. ± 1.5mm
80	95.5
100	121.9
150	177.3
200	232.2
225	259.1
250	286.0
300	345.4
375	426.2
450	507.0
500	560.3
600	667.0

COPPER TUBE TYPE B	
Nominal Size (mm)	Outside Dia. Max
50	50.8
65	63.5
80	76.2
90	88.9
100	101.6
125	127.0
150	152.4
200	203.2

HOBAS PIPE	
Nominal Size (mm)	Outside Dia.
300	345
375	426
450	507
525	587
600	667

1. INTRODUCTION

1.1 Application of these Terms and Conditions

The Customer agrees that prior to placing an order with the Supplier, the Customer has read and agreed to the terms and conditions as set out hereunder. For the purposes of this agreement, "Supplier" is G.J. DIX & SONS PTY LTD A.B.N. 29 071 654 558 and the "Customer" is the applicant named on the account with the Supplier or where no account exists then on the Work Authorisation provided by the Supplier to the Customer. In this Agreement "Goods" means goods and services. "Quote" means a signed and numbered quote issued by the Supplier.

2. QUOTE

2.1 Acceptance by the Customer — Where the Supplier has given the Customer a Quote:

- (a) The Supplier need not supply the Customer until the Quote has been accepted by the Customer;
- (b) The Customer shall accept the Quote by instructing (in writing) by way of an official purchase order making specific reference to the Supplier's Quote Number and issuing a copy of the purchase order to the Supplier.
- (c) Acceptance by the Customer of the Quote will constitute acceptance by the Customer of these Terms and Conditions.
- (d) Quotes are valid for thirty (30) days from date of issue, unless an extension has been authorised by the Supplier.
- (e) The Supplier reserves the right to withdraw the Quote for whatever reason. In acceptance of the Quote, the Customer warrants that it has not relied on any representation by the Supplier and its employees and agents other than as supplied in writing in the Quote.

2.2 Supplier may Revise Quote — The Supplier may amend the Quote after a period of thirty (30) days from the date of the signed acceptance of the Work Authorisation to take into account any rise or fall in the cost of performing the Order and the Supplier shall notify the Customer of such amendment as soon as practicable thereafter. Upon the Supplier giving the Customer notification of such amendment the amended quote shall be deemed to be the Quote for the purposes of the Terms and Conditions.

2.3 Variation to Initial Quote — The Customer shall indemnify the Supplier from any additional cost incurred by the Supplier, should the Customer increase the scope of the goods and/or services to be provided by the Supplier.

2.4 Indemnity

(a) The Customer warrants, as a fundamental condition of this contract, that all drawings and specifications and other design information supplied by the Customer to the Supplier shall be accurate in all aspects and free of copyright.

(b) The Customer shall indemnify the Supplier from all costs incurred when Goods are manufactured exclusively to the Customer's specification. These Goods cannot be cancelled.

3. PRICES

3.1 List Prices are recommended prices only and there is no obligation for the Supplier to comply with these recommendations. All prices are exclusive of GST and subject to alteration without notice.

3.2 Any increase in the cost of supplying the Goods which is beyond the control of the Supplier and which occurs between the date of ordering and delivery shall be to the Customer's account.

3.3 Unless otherwise stated in the Supplier's Work Authorisation, the supplier reserves the right to alter its List Prices without notice and may vary the purchase price to reflect the addition in costs, taxes or duties incurred or to be incurred by the Supplier after that date of the Work Authorisation.

3.4 All List Prices are exclusive of GST and other government impost unless otherwise stated in writing and are subject to alteration without notice.

4. ORDERS

4.1 All orders are subject to acceptance.

4.2 We reserve the right to supply an order in full or only in part.

4.3 You may not cancel an order, nor delay delivery, following acceptance unless we agree in writing and payment of work completed up to that time is made.

5. DELIVERY

5.1 Delivery times and dates are estimates only and are not guaranteed. Where we or our suppliers or sub-contractors are delayed due to unforeseen circumstances or reasons beyond control, we may make part delivery, suspend delivery, or extend delivery time for the period of the delay.

5.2 Delivery is ex our nominated works unless otherwise specified. If you do not specify a method of delivery then we may decide the method but all carriers will be your agents only and delivery will be at your cost.

5.3 A claim for shortages in delivery must be in writing received by us within 14 days of despatch from our store.

5.4 Manufacture and delivery of Goods will be in accordance with the Customer's original order schedule. The Customer shall make all arrangements necessary to take delivery of the Goods consistent with the original delivery schedule. Should there be any delay or change to the original order schedule that is beyond the control of the Supplier, then payment for such Goods will fall due subject to the Supplier's standard payment terms, irrespective of whether the Goods have been delivered. The customer may incur storage charges on a daily basis as per clause 5.5 below.

5.5 Delivery of the Goods made to the Customer at the Supplier's address will be on an agreed date and failure by the Customer to uplift completed Goods from the Supplier's address on this agreed date may incur storage charges estimated on a daily basis calculated by the order value x the interest rate as advised in clause 5.3 x the number of days.

5.6 Delivery of Goods to a third party and/or site nominated by the Customer is deemed to be delivery to the Customer for the purpose of this agreement.

5.7 Suspension of Delivery — The Supplier may suspend delivery or cease manufacture if the Customer at any time fails to make payment in accordance with these terms & conditions and/or exceeds credit facilities as established by the Supplier.

6. PAYMENT

6.1 Time for Payment — The Customer must upon receiving the Supplier's invoice, pay the Supplier the total amount set out in the invoice by the end of the month plus thirty (30) days.

6.2 Export Sales — Unless otherwise negotiated, export sales are subjected to the provision by the Customer of an irrevocable letter of credit at a bank acceptable to the Supplier in favour of the Supplier. The issuing bank is to be acting for the Supplier if so advised.

6.3 Interest — The Supplier may charge interest at a rate of two per centum (2%) above the commercial lending rate of the Westpac Banking Corporation calculated on a daily basis on amounts not paid within the time specified in clause 6.1 and 6.5.

6.4 Deposit — The Supplier may require a deposit from the Customer in specific circumstances and if a deposit is requested by the Supplier the Customer acknowledges the Supplier's obligation to undertake any works requested by the Customer, until the deposit is received by the Supplier in full and when all details pertaining to contract are finalised. In the event of default as to payment owing to the Supplier on the part of the Customer, the Supplier shall be entitled to forfeit the deposit and claim any Supplier's profit or margin contemplated by or allowed for in the contract in addition to any remedy available to the Supplier at law or in equity.

6.5 Progress Payments — The Supplier may require progress payments from the Customer in specific circumstances and if so, the Supplier reserves the right to halt any further work until such time as the outstanding payment is forthcoming. In addition penalty interest (as specified in 6.3) may be charged.

6.6 Damages — The Customer must pay to the Supplier any costs, expenses or losses incurred by the Supplier as a result of the Customer's failure to pay to the Supplier all sums outstanding as owed by the Customer to the Supplier including without limiting the generality of the foregoing any debt collection and legal costs incurred in enforcing payment on a Solicitor and own Customer basis.

6.7 Cancellation — The Customer shall reimburse the Supplier for any costs, expenses or losses incurred by the Supplier should the Customer cancel the accepted Work Authorisation. The time for payment for such cancellation shall be seven (7) days from the Supplier's invoice.

7. RISK — The risk in the Goods passes from us to the Customer or its agent or to a third party nominated by the Customer upon despatch from our premises, even if we are required to install, set up or perform any service in connection with the goods.

8. RETENTION OF TITLE

8.1 Title — Notwithstanding the delivery of the Goods or their installation, title in any particular Goods shall remain with the Supplier regardless of whether the Goods are on-sold by the Customer until the Customer has paid and discharged any and all monies owing pursuant to any invoice issued by the Supplier for the Goods, including all applicable GST and other taxes, levies and duties. Any payment made by or on behalf of the Customer which is later avoided by the application of any Statutory Provisions shall be deemed not to discharge the Supplier's title in the Goods nor the Customer's indebtedness to the Supplier and, in such an event, the parties are to be restored to the rights which each respectively would have had if the payment had not been made.

8.2 Bailment — The Customer acknowledges that it is in possession of the Goods solely as Bailee until payment of all invoices for the Goods is made pursuant to clause 6.1 and until that time:

(a) The Customer is not entitled to sell the Goods but only in the ordinary course of business;

(b) The Customer must not encumber or otherwise charge the Goods;

(c) The Customer shall be fully responsible for any loss or damage to the Goods whatsoever and howsoever caused following delivery or installation of the Goods to the Customer.

8.3 Repossession — The Customer hereby irrevocably grants to the Supplier the right, at its sole discretion, to remove or repossess any Goods from the Customer and sell or dispose of them, and the Supplier shall not be liable to the Customer or any person claiming through the Customer and the Supplier shall be entitled to retain the proceeds of any Goods sold and apply same towards the Customer's indebtedness to the Supplier. If the Customer commits an act of bankruptcy, enters into any form of administration or liquidation, makes any composition or arrangement with its creditors, ceases to carry on business or breaches any fundamental clause of this agreement, then the Supplier may, without prejudice to any other remedies it may have, repossess any Goods delivered to the Customer on any account which has not been paid in accordance with the terms and conditions herein and commence proceedings to recover the balance of any monies owing the Supplier by the Customer.

8.4 Inconsistency — If there is any inconsistency between the Supplier's rights under this clause 8 and the Supplier's rights under Chapter 4 of the Personal Property Securities Act 2009 (Cth) (PPSA), this clause prevails.

9. WARRANTY

9.1 The warranty period for the Goods shall be as per the manufacturer's specifications or the Supplier's specifications, as the case may be, which is usually twelve (12) months from the date of purchase unless otherwise stipulated.

9.2 The Supplier will repair or replace any and all material parts found to be defective within the warranty period without charge, provided the Goods have been installed and used in accordance with the manufacturer's and/or Supplier's instructions. No allowance will be made on any Goods for labour, freight or consequential damages, only the cost of the defective Goods.

9.3 Work and/or service carried out on the Goods by anyone other than the Supplier and/or their nominated agents shall make the warranty null and void unless the Customer obtains prior approval in writing from the Supplier before any remedial work is carried out.

- 9.4 The Supplier reserves the right to make null and void the warranty should the Goods be modified, altered, damaged or put to any undue stress other than in the way the Goods were designed to perform.
- 9.5 In respect of all claims the Supplier shall not be liable to compensate the Customer for any delay in either replacing or repairing the workmanship / Goods or in properly assessing the Customer's claim.
- 9.6 The Supplier shall not be liable to compensate for defects, damages or failure of the Goods or Services where such events were caused by inadequate operating conditions, special characteristics of the system, or other exposure to aggressive environmental conditions.
10. DESIGN UPDATES—The Supplier reserves the right to make changes and improvements to the Goods without incurring any obligations whatsoever to install or make changes and improvements to Goods already supplied.
11. INSPECTION ON DELIVERY—The Customer shall inspect the Goods on delivery and shall within seven (7) days of delivery notify the Supplier in writing of:
 (a) any alleged shortage in quantity of Goods, incorrectly priced Goods or failure to comply with the description of Goods ordered and;
 (b) any Goods found to be defective. The Customer shall afford the Supplier an opportunity to inspect such Goods within a reasonable time following delivery. If the Customer shall fail to comply with these provisions the Goods shall be conclusively presumed to be in accordance with these terms and conditions.
12. RESTOCKING
- 12.1 Subject to prior written approval from the Supplier a restocking charge of 15% will be applied on unused Goods sent back for credit or exchange. Freight of unused Goods shall be the Customer's responsibility.
- 12.2 Customised product or special orders are not returnable.
13. MERCHANDISING EQUIPMENT—The Supplier's merchandising equipment shall remain the Supplier's property at all times. The Customer shall indemnify the Supplier from any damage (normal wear and tear excluded) or loss to the merchandising equipment while on loan to the Customer.
14. LIABILITY
- 14.1 Non-excludable Rights—The parties acknowledge that, under applicable State and Commonwealth law, certain conditions and warranties may be implied in these Terms and Conditions and there are rights and remedies conferred on the Customer in relation to the provision of the Goods or of services which cannot be excluded, restricted or modified by the Agreement ("Non-excludable Rights").
- 14.2 Disclaimer of Liability—The Supplier disclaims all conditions and warranties expressed or implied, and all rights and remedies conferred on the Customer, by statute, the common law, equity, trade, custom or usage or otherwise and all those conditions and warranties and all those rights and remedies are excluded other than any Non-excludable Rights. To the extent permitted by law, the liability of the Supplier for a breach of a Non-Excludable Right is limited, at the Supplier's option, to the supplying of the Goods and/or any services again or payment of the cost of having the Goods and/or services supplied again.
- 14.3 Indirect Losses—Notwithstanding any other provision of these Terms and Conditions, the Supplier is in no circumstances whatever the cause) liable in contract, tort including without limitation, negligence or breach of statutory duty or otherwise to compensate the Customer for:
 - any increased costs or expenses;
 - any loss of profit, revenue, business, contracts or anticipated savings;
 - any loss or expense resulting from a claim by a third party; or
 - any special, indirect or consequential loss or damage of any nature whatsoever caused by the Supplier's failure to complete or delay in completing the Order or to deliver the Goods.
- 14.4 Force Majeure—The Supplier will have no liability to the Customer in relation to any loss, damage or expense caused by the Supplier's failure to complete the Order or to deliver the Goods as a result of fire, flood, tempest, earthquake, riot, civil disturbance, theft, crime, strike, lockout, breakdown, war, the inability of the Supplier's normal suppliers to supply necessary material or any other matter beyond the Supplier's control.
15. SECURITY AND CHARGE—The Customer hereby charges all property, both the equitable and legal, present or future of the Customer in respect of any monies that may be owing by the Customer to the Supplier under these terms and conditions or otherwise and hereby authorises the Supplier or its solicitors to execute any consent form as its attorney for the purpose of registering a caveat over any real property assets of the Customer with the Australian Securities and Investments Commission.
16. PERSONAL PROPERTY SECURITIES ACT
- 16.1 The Customer acknowledges and grants the Supplier a security interest (and where appropriate a Purchase Money Security Interest) in all Goods supplied to the Customer by the Supplier and any of their proceeds, including all Goods previously supplied and any of their proceeds, and this security interest secures all moneys owing to the Supplier by the Customer.
- 16.2 The Customer waives its rights to receive a Verification Statement confirming registration of a Financing Statement relating to the Security Interest granted by the Customer to the Company.
- 16.3 The Customer agrees that in enforcing this agreement nothing in sections 130 to 143 of the PPSA will apply.
- 16.4 Under the PPSA the Customer waives its rights to:
 (a) Receive a notice of intention to seize collateral under section 95;
 (b) Object to Secured Party purchasing the collateral under section 129;
 (c) Receive a disposal notice under section 130;
 (d) Receive a statement of account under section 130(4) or section 132(30)(d);
 (e) Receive notice of retention of collateral under section 142;
 (f) Redeem the collateral under section 142; and
 (g) Reinstatement the security agreement under section 143.
- 16.5 The Customer will do everything reasonably required of it by the Company to enable the Company to correctly register and maintain its security interest(s). This includes notifying the Company immediately in writing if the Customer changes any of its details that are required to register a financing arrangement under the PPSA.
- 16.6 Any payment made to the Company by the Customer may be applied by the Company in any manner the Company thinks fit.
- 16.7 In this clause a word that is defined in the PPSA has the meaning it has under the Act.
17. COPYRIGHT
- 17.1 Subject to clause 16.2, the Supplier retains the copyright in all of the Supplier's documents (including plans, illustrations, drawings and specifications furnished to you for the purposes of the contract) and neither they nor their contents may be used without our express consent for any purpose other than that for which they were furnished. You may not use, reproduce or communicate the contents of such material to any third party unless authorised by us in writing to do so. This clause survives the termination of the contract.
- 17.2 If the Customer is receiving from the Supplier goods or services involving the manufacture, repair, redesign or upgrade of spare parts, the Customer represents and warrants that the Customer either owns the intellectual property relating to those parts or has the consent of the owner for the Supplier to provide the Customer with those goods or services. The Customer also undertakes to hold the Supplier harmless and reimburse the Supplier for any loss or damage the Supplier suffers if the provision of those goods or services results in a claim being made against the Supplier by a third party alleging that their intellectual property rights have been infringed.
18. PRIVACY
- 17.3 The Customer hereby authorises the Supplier to collect, retain, record, use and disclose personal information about the Customer, in accordance with the Privacy Act 1988, to persons and/or legal entities who are a Solicitor or any other professional consultant engaged by the Supplier, a Debt Collector, Credit Reference Organisation and/or any other individual or organisation which maintains credit references and/or default listings.
- 17.4 The Customer also authorises the Supplier to make enquiries with respect to the Customer's creditworthiness; to exchange information with other Credit Providers in respect to previous defaults of the Customer and to notify other Credit Providers of a default by the Customer.
18. GENERAL MATTERS
- 18.1 Severability - Any provision in these Terms and Conditions which is invalid or unenforceable in any jurisdiction must be read down for the purposes of that jurisdiction, if possible, so as to be valid and enforceable. If that provision cannot be read down then it is capable of being severed to the extent of the invalidity or unenforceability without affecting the remaining provisions of these Terms and Conditions or affecting the validity or enforceability of that provision in any other jurisdiction.
- 18.2 Set Off - The Supplier is entitled to deduct from any amounts due to the Customer any amount due from the Customer.
- 18.3 Implied terms - Except as required by mandatory operation of law (or as otherwise expressly provided) all implied conditions are excluded.
- 18.4 Acknowledgement - No failure by you to acknowledge these terms of trade, and no supply of goods in such circumstances, implies that these terms have not been incorporated into, or have been waived in respect of, the contract for the supply of the goods.
- 18.5 Assignment - You may not assign the contract without our prior written approval.
- 18.6 Failure to adhere to these terms of the agreement - may result in credit being withdrawn.
- 18.7 Governing Law and Jurisdiction - The laws in force in South Australia govern a contract for supply of goods and services and the Customer submits to the jurisdiction of the courts of South Australia.

The Buyer agrees that they have read and understood these Warranties and Terms and Conditions of Sale



G.J. Dix & Sons Pty Ltd

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