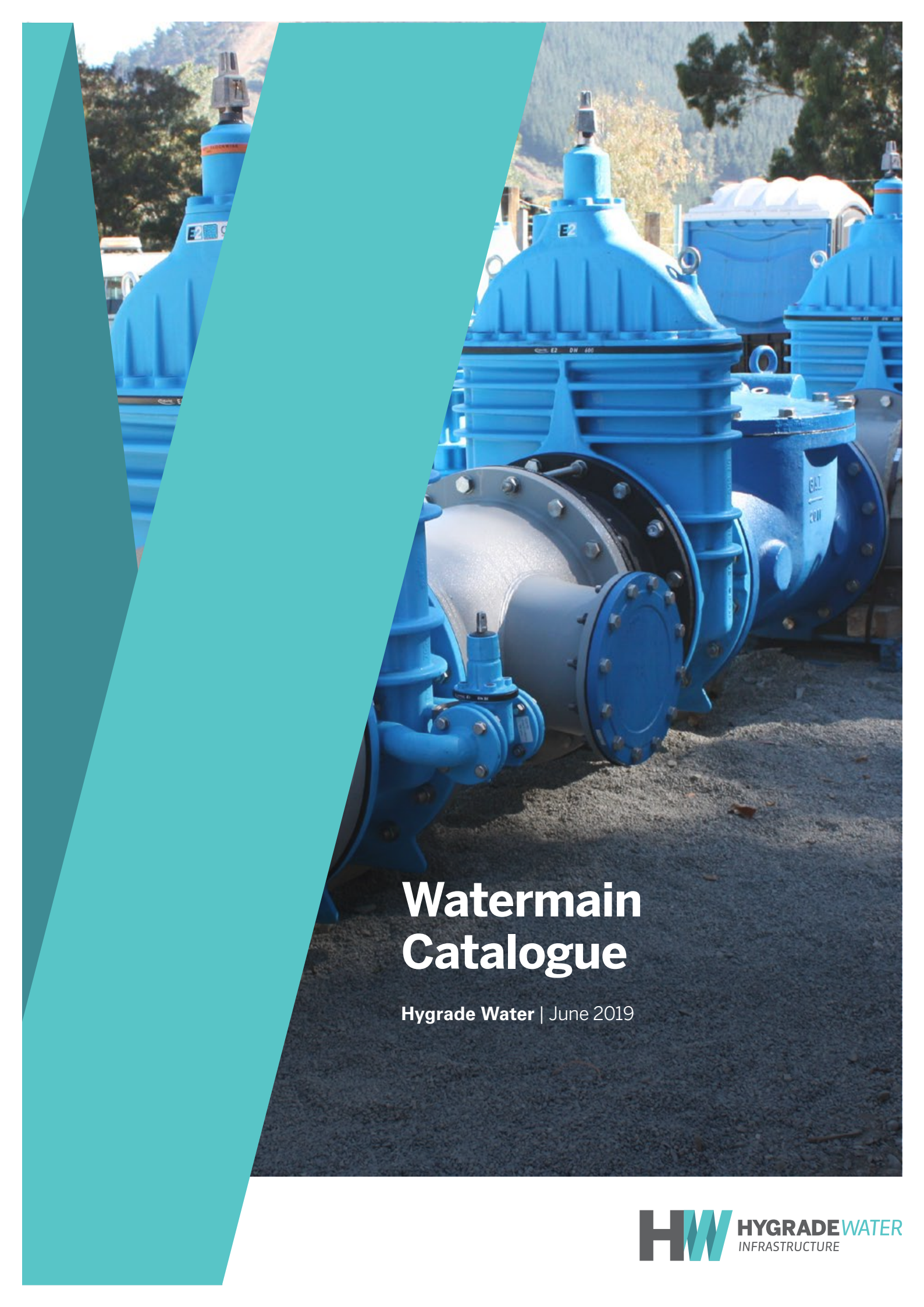




Watermain Catalogue

Hygrade Water | June 2019



HYGRADEWATER

INFRASTRUCTURE

Hygrade Water is an Australian company, and part of the Hynds Group of Companies in New Zealand. Hygrade water specialise in the supply of products for water and water-based waste management.

Hygrade Water specialises in design, fabrication, importing, and distribution of a comprehensive range of over 3000 drainage and watermain products for the Australian water and civil infrastructure industry sectors.

Hygrade Water is the exclusive Australian Agent for world leading product technologies of exceedingly high quality. These products are available nationally through our branch network and technical sales representatives. Head Office is based in Brisbane, QLD, from where executive management, business process control, procurement and warehousing functions are held.

Commitment to quality management and accredited operating systems

Hygrade maintains an independently audited third party accreditation for the ISO9001 certified quality management systems, and follow founding policies that underpin commitment and performance outcomes to achieve our organisational vision and values. 'S' Mark accreditation is maintained by regular audits.

How to find us

For information about any product not shown in this catalogue, please do not hesitate to contact your nearest Branch.

Hygrade Water Terms and Conditions

Please refer to our published Terms and Conditions of Supply.

For further information on our full comprehensive range of product, go to www.hygradewater.com.au or contact us via the details below.

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FITTINGS & COMPONENTS

FOR AS/NZS 2280

APPLICATIONS

- Water reticulation applications.
- Potable and non-potable pressure pipelines including rising mains and pump stations
- Fire service mains
- Irrigation applications

FEATURES

- High strength and impact resistant ductile iron
- Thermal bonded polymeric coating provides corrosion, impact and abrasion resistance (Standard coating for fittings)
- Range of pipes and fittings suitable for PN16 to PN35 pipelines
- Fittings can be supplied cement lined and bitumen coated if required
- Fittings are compatible with Ductile Iron pipes to AS/NZS2280 and PVC Series 2 pipes to AS/NZS1477-Series 2
- A Series 2-Series 1 Conversion Seal can be used in the socket fittings to provide compatibility with AS/NZS1477 Series 1 pipelines

ORDERING INFORMATION

- All fittings are coated with a thermal bonded polymeric coating unless shown otherwise. Fittings can be made available cement lined and bitumen coated upon request.
- Products up to 450mm dia are included in this document. Most products are available up to 750mm dia.
- Flanged fittings are standard PN16 rating. PN35 and other high pressure flanges can be made available upon special request.
- PVC Series 1 **compatibility** – Socket fittings can be fitted with a conversion seal to provide compatibility with PVC Series 1 pipe dimensions. Request "Series 1" fittings at time of ordering
- Seals are supplied with socket fittings. Flange gasket sets are not included with flange fittings and are sold separately.

TECHNICAL DATA

- Ductile Iron pipes and fittings comply fully with the requirements of the following standards:
AS/NZS 2280 Ductile iron pressure pipes and fittings
AS4087 Metallic flanges for waterworks purposes
AS4020 Products in contact with drinking water
- Coatings comply to the following standards:
AS4158 Thermal bonded polymeric coatings
AS/NZS3750.4 Bitumen Paint
- Size Range: DN80 to DN750
- Pressure Rating:
The allowable pressure for a pipeline system is limited to the lowest pressure classification of all pipes, fittings & components within the pipe system. (Refer table below)
- Fitting Pressure Classification:
Socket fittings PN35 unless shown otherwise
Spigot fittings PN35 unless shown otherwise
Flange fittings PN16 (Standard flanges)
PN35 (Optional high pressure flange)
- Socket and Spigot fittings are also available in light weight PN16 and will be shown as such on the fitting. All Flanges must show the relevant pressure rating.
- Allowable Operating Pressure:
The allowable internal pressure, excluding surge, that a component can safely withstand in service.
- Maximum allowable operating pressure:
The maximum internal pressure, including surge, that a component can safely withstand in service. (Refer table below)
- Allowable site test pressure:
Maximum pressure applied on site in a newly installed pipeline, includes a safety factor and allowances for surge.

ALLOWABLE PIPELINE PRESSURES (MPa)

Type	PN16	PN20	PN35
Allowable Operating Pressure	1.60	2.00	3.50
Max Allow Operating Pressure	1.92	2.40	4.20
Allowable Site Test Pressure	2.00	2.50	4.38

COMPATIBILITY

AS/NZS2280 DUCTILE IRON FITTINGS ARE COMPATIBLE FOR USE WITH THE FOLLOWING PIPELINE MATERIALS:

PVC PRESSURE PIPE SERIES 1 & 2

- Size Range: DN100–DN600
- Pressure Range: PN6–PN25
- Materials: oPVC, mPVC & uPVC
- Colours: Blue, Purple, White and Cream
- Jointing: Rubber Ring (RRJ) & Solvent Cement (SCJ)
- Standards: AS/NZS4441 (oPVC), AS/NZS4765 (mPVC), AS/NZS1477 (uPVC)



DUCTILE IRON PIPE

- Size Range: DN80–DN750
- Pressure Range: PN35
- Coating Options: Standard Bitumen cement lined, Fusion/Epoxy Coating (fabricated specials), Polyurethane Internal/External (vonRoll)
- Jointing: Rubber Ring Joint, Restraint Joint rubber ring option
- Standards: AS/NZS2280 & EN545



HAWLE VALVES AVAILABLE (PLEASE VISIT WWW.HYGRADEWATER.COM.AU)

- Hawle range:
 - System 2000
 - A-valves
 - Synoflex
 - Vario
 - Haku-pipe saddles
- Range:
 - Butterfly Wafer, Lugged & Flanged
 - Knifegate DI & SS – Metal or Resilient seat
 - Air Release Single, Double, Vacuum Break, Sewage
 - Reflux Swing Check – Metal or Resilient seat
 - Check Wafer Single/Duo, Spring Wafer & Ball
 - Ball Lever & Actuated
- Materials:
 - Ductile Iron, Cast Iron, Stainless Steel, Polypropylene, DR
 - Brass & Gunmetal
- Actuators:
 - Manual, Geared, Pneumatic & Electric



PROCEDURES

RUBBER RING JOINTING PROCEDURE

1. Prepare the Spigot

If pipe has been cut, ensure the end is square and has the correct chamfer. Examine spigot to ensure it is round, and clean with a smooth undamaged surface free of bulges and scores. Measure the socket depth and mark a witness line on the spigot to match.

2. Prepare the Socket

Remove seal and inspect and clean socket ring groove. Re-fit seal ensuring it is securely in place and do not use lubrication as this may cause the seal to dislodge during installation.

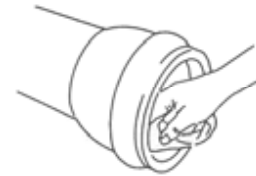
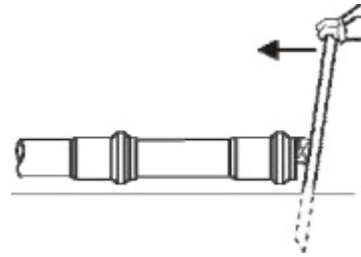
3. Apply Lubrication

Lubricate the Spigot to the witness mark including the chamfered edge.

4. Assembly

Pipes/Fittings must be aligned during assembly to ensure an effective joint. Insert the chamfered edge of the spigot into the socket and apply a firm even thrust to push home to the witness mark.

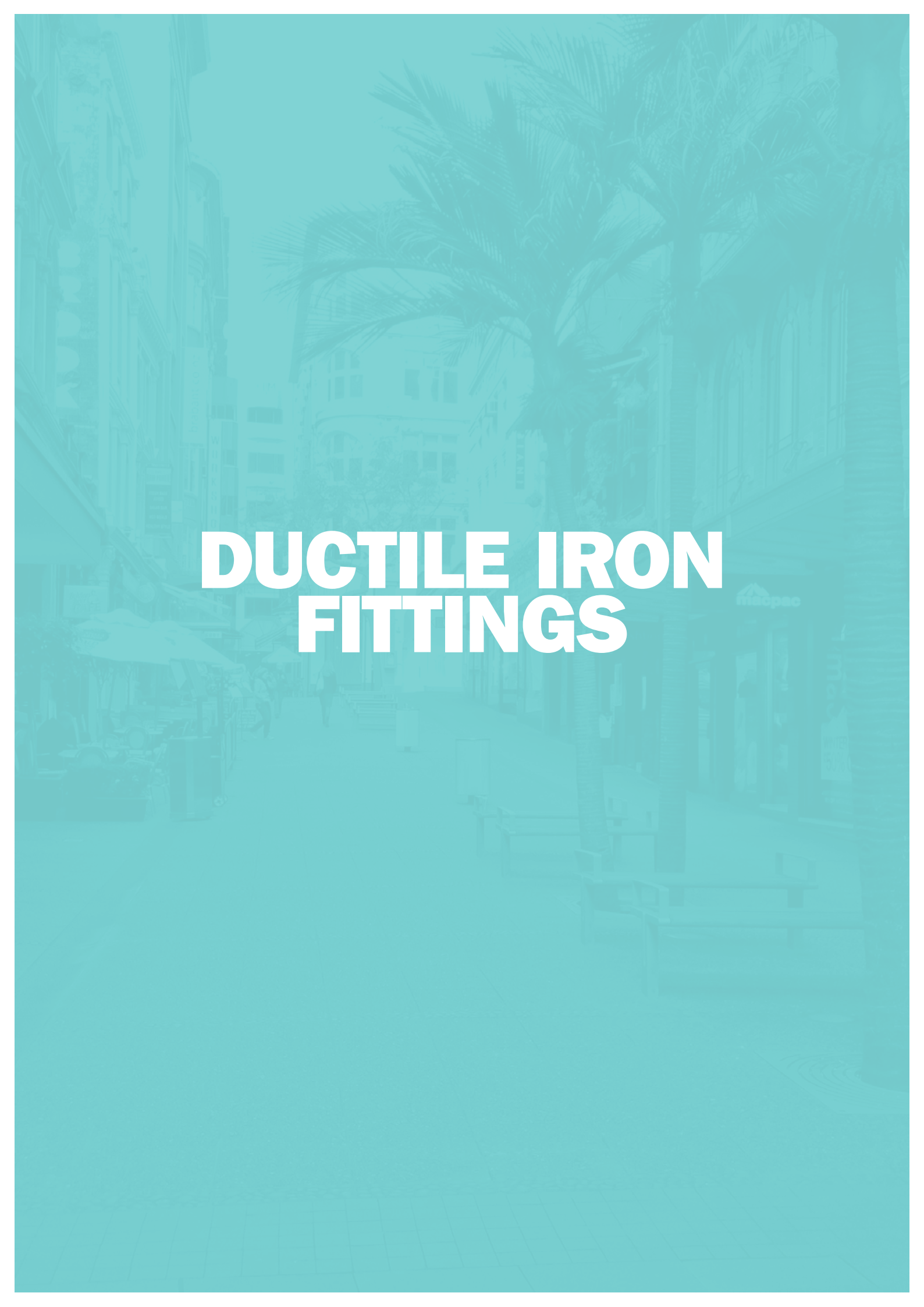
This can be achieved by hand on smaller pipes and fittings. On larger pipes and fittings, the use of a crowbar thrust against a timber block to protect the pipe end may be required. It may also be necessary to use a Come- Along for the larger more difficult pipes and fittings.



FLANGE JOINTING PROCEDURE

(Refer to WSAA WSA 109 for further details)

1. Ensure flanges and bolts are clean and in good working condition.
2. Apply lubricant to bolts and nut load bearing face (eg molybdenum disulphide)
3. Insert bolts 1 to 4 into one flange and position gasket on bolts.
4. Align flanges and support as required.
5. Offer the adjoining flange to bolts and hand tighten nuts.
6. Insert remaining bolts and hand tighten nuts.
7. Determine required Bolt Tension and Tightening Torque using PN16 or PN35 table below.
8. Using star pattern sequence shown tighten nuts as follows:
 - Tighten Nuts to 30% of estimated torque then,
 - Tighten Nuts to 60% of estimated torque then,
 - Tighten Nuts to 100% of estimated torque
9. **Final pass** – tighten all nuts to 100% of estimated torque in a clockwise direction.



DUCTILE IRON FITTINGS

BENDS

Bends are available in almost any configuration from flanged, socketed, spigot, or any combination required.

- DI Fittings to AS/NZS2280
- Sizes DN 80-450mm (available up to 600mm on request)



SOCKET

11 ¼°

Code	Description	Diameter
BAQ08011-C	Bend CI 80mmx11° Soc/Soc Ct	80
BAQ10011-C	Bend CI 100mmx11° Soc/Soc Ct	100
BAQ15011-C	Bend CI 150mmx11° Soc/Soc Ct	150
BAQ20011-C	Bend CI 200mmx11° Soc/Soc Ct	200
BAQ22511-C	Bend CI 225mmx11° Soc/Soc Ct	225
BAQ25011-C	Bend CI 250mmx11° Soc/Soc Ct	250
BAQ30011-C	Bend CI 300mmx11° Soc/Soc Ct	300
BAQ37511-C	Bend CI 375mmx11° Soc/Soc Ct	375
BAQ45011-C	Bend CI 450mmx11° Soc/Soc Ct	450



11 ¼° (BAQ08011-C)

22 ½°

Code	Description	Diameter
BAQ08022-C	Bend CI 80mmx22° Soc/Soc Ct	80
BAQ10022-C	Bend CI 100mmx22° Soc/Soc Ct	100
BAQ15022-C	Bend CI 150mmx22° Soc/Soc Ct	150
BAQ20022-C	Bend CI 200mmx22° Soc/Soc Ct	200
BAQ22522-C	Bend CI 225mmx22° Soc/Soc Ct	225
BAQ25022-C	Bend CI 250mmx22° Soc/Soc Ct	250
BAQ30022-C	Bend CI 300mmx22° Soc/Soc Ct	300
BAQ37522-C	Bend CI 375mmx22° Soc/Soc Ct	375
BAQ45022-C	Bend CI 450mmx22° Soc/Soc Ct	450



22 ½° (BAQ08022-C)

45°

Code	Description	Diameter
BAQ08045-C	Bend CI 80mmx45° Soc/Soc Ct	80
BAQ10045-C	Bend CI 100mmx45° Soc/Soc Ct	100
BAQ15045-C	Bend CI 150mmx45° Soc/Soc Ct	150
BAQ20045-C	Bend CI 200mmx45° Soc/Soc Ct	200
BAQ22545-C	Bend CI 225mmx45° Soc/Soc Ct	225
BAQ25045-C	Bend CI 250mmx45° Soc/Soc Ct	250
BAQ30045-C	Bend CI 300mmx45° Soc/Soc Ct	300
BAQ37545-C	Bend CI 375mmx45° Soc/Soc Ct	375
BAQ45045-C	Bend CI 450mmx45° Soc/Soc Ct	450



45° (BAQ08045-C)

90°

Code	Description	Diameter
BAQ08090-C	Bend CI 80mmx90° Soc/Soc Ct	80
BAQ10090-C	Bend CI 100mmx90° Soc/Soc Ct	100
BAQ15090-C	Bend CI 150mmx90° Soc/Soc Ct	150
BAQ20090-C	Bend CI 200mmx90° Soc/Soc Ct	200
BAQ22590-C	Bend CI 225mmx90° Soc/Soc Ct	225
BAQ25090-C	Bend CI 250mmx90° Soc/Soc Ct	250
BAQ30090-C	Bend CI 300mmx90° Soc/Soc Ct	300
BAQ37590-C	Bend CI 375mmx90° Soc/Soc Ct	375
BAQ45090-C	Bend CI 450mmx90° Soc/Soc Ct	450



90° (BAQ08090-C)

FLANGED**11 1/4°**

Code	Description	Diameter
BDF8011-C	Bend CI 80mmx11° Fl/Fl Ct	80
BDF10011-C	Bend CI 100mmx11° Fl/Fl Ct	100
BDF15011-C	Bend CI 150mmx11° Fl/Fl Ct	150
BDF20011-C	Bend CI 200mmx11° Fl/Fl Ct	200
BDF22511-C	Bend CI 225mmx11° Fl/Fl Ct	225
BDF25011-C	Bend CI 250mmx11° Fl/Fl Ct	250
BDF30011-C	Bend CI 300mmx11° Fl/Fl Ct	300
BDF37511-C	Bend CI 375mmx11° Fl/Fl Ct	375
BDF45011-C	Bend CI 450mmx11° Fl/Fl Ct	450



11 1/4° (BDF8011-C)

22 1/2°

Code	Description	Diameter
BDF08022-C	Bend CI 80mmx22° Fl/Fl Ct	80
BDF10022-C	Bend CI 100mmx22° Fl/Fl Ct	100
BDF15022-C	Bend CI 150mmx22° Fl/Fl Ct	150
BDF20022-C	Bend CI 200mmx22° Fl/Fl Ct	200
BDF22522-C	Bend CI 225mmx22° Fl/Fl Ct	225
BDF25022-C	Bend CI 250mmx22° Fl/Fl Ct	250
BDF30022-C	Bend CI 300mmx22° Fl/Fl Ct	300
BDF37522-C	Bend CI 375mmx22° Fl/Fl Ct	375
BDF45022-C	Bend CI 450mmx22° Fl/Fl Ct	450



22 1/2° (BDF08022-C)

45°

Code	Description	Diameter
BDF08045-C	Bend CI 80mmx45° Fl/Fl Ct	80
BDF10045-C	Bend CI 100mmx45° Fl/Fl Ct	100
BDF15045-C	Bend CI 150mmx45° Fl/Fl Ct	150
BDF20045-C	Bend CI 200mmx45° Fl/Fl Ct	200
BDF22545-C	Bend CI 225mmx45° Fl/Fl Ct	225
BDF25045-C	Bend CI 250mmx45° Fl/Fl Ct	250
BDF30045-C	Bend CI 300mmx45° Fl/Fl Ct	300
BDF37545-C	Bend CI 375mmx45° Fl/Fl Ct	375
BDF45045-C	Bend CI 450mmx45° Fl/Fl Ct	450



45° (BDF08045-C)

90°

Code	Description	Diameter
BDF08090-C	Bend CI 80mmx90° FI/FI Ct	80
BDF10090-C	Bend CI 100mmx90° FI/FI Ct	100
BDF15090-C	Bend CI 150mmx90° FI/FI Ct	150
BDF20090-C	Bend CI 200mmx90° FI/FI Ct	200
BDF22590-C	Bend CI 225mmx90° FI/FI Ct	225
BDF25090-C	Bend CI 250mmx90° FI/FI Ct	250
BDF30090-C	Bend CI 300mmx90° FI/FI Ct	300
BDF37590-C	Bend CI 375mmx90° FI/FI Ct	375
BDF45090-C	Bend CI 450mmx90° FI/FI Ct	450



90° (BDF08090-C)

SPIGOT

11 ¼°

Code	Description	Diameter
BSS08011-C	Bend CI 80mmx11° Spi/Spi Ct	80
BSS10011-C	Bend CI 100mmx11° Spi/Spi Ct	100
BSS15011-C	Bend CI 150mmx11° Spi/Spi Ct	150
BSS20011-C	Bend CI 200mmx11° Spi/Spi Ct	200
BSS22511-C	Bend CI 225mmx11° Spi/Spi Ct	225
BSS25011-C	Bend CI 250mmx11° Spi/Spi Ct	250
BSS30011-C	Bend CI 300mmx11° Spi/Spi Ct	300
BSS37511-C	Bend CI 375mmx11° Spi/Spi Ct	375
BSS45011-C	Bend CI 450mmx11° Spi/Spi Ct	450



11 ¼° (BSS08011-C)

22 ½°

Code	Description	Diameter
BSS08022-C	Bend CI 80mmx22° Spi/Spi Ct	80
BSS10022-C	Bend CI 100mmx22° Spi/Spi Ct	100
BSS15022-C	Bend CI 150mmx22° Spi/Spi Ct	150
BSS20022-C	Bend CI 200mmx22° Spi/Spi Ct	200
BSS22522-C	Bend CI 225mmx22° Spi/Spi Ct	225
BSS25022-C	Bend CI 250mmx22° Spi/Spi Ct	250
BSS30022-C	Bend CI 300mmx22° Spi/Spi Ct	300
BSS37522-C	Bend CI 375mmx22° Spi/Spi Ct	375
BSS45022-C	Bend CI 450mmx22° Spi/Spi Ct	450



22 ½° (BSS08022-C)

45°

Code	Description	Diameter
BSS08045-C	Bend CI 80mmx45° Spi/Spi Ct	80
BSS10045-C	Bend CI 100mmx45° Spi/Spi Ct	100
BSS15045-C	Bend CI 150mmx45° Spi/Spi Ct	150
BSS20045-C	Bend CI 200mmx45° Spi/Spi Ct	200
BSS22545-C	Bend CI 225mmx45° Spi/Spi Ct	225
BSS25045-C	Bend CI 250mmx45° Spi/Spi Ct	250
BSS30045-C	Bend CI 300mmx45° Spi/Spi Ct	300
BSS37545-C	Bend CI 375mmx45° Spi/Spi Ct	375
BSS45045-C	Bend CI 450mmx45° Spi/Spi Ct	450



45° (BSS08045-C)

90°

Code	Description	Diameter
BSS08090-C	Bend CI 80mmx90° Spi/Spi Ct	80
BSS10090-C	Bend CI 100mmx90° Spi/Spi Ct	100
BSS15090-C	Bend CI 150mmx90° Spi/Spi Ct	150
BSS20090-C	Bend CI 200mmx90° Spi/Spi Ct	200
BSS22590-C	Bend CI 225mmx90° Spi/Spi Ct	225
BSS25090-C	Bend CI 250mmx90° Spi/Spi Ct	250
BSS30090-C	Bend CI 300mmx90° Spi/Spi Ct	300
BSS37590-C	Bend CI 375mmx90° Spi/Spi Ct	375
BSS45090-C	Bend CI 450mmx90° Spi/Spi Ct	450



90° (BSS08090-C)

HYDRANT

Code	Description	Diameter
BAQF1008090-C	Bend CI 100mmx80mmx90° Soc/FI Hydrant Ct	10080
BAQF1508090-C	Bend CI 150mmx80mmx90° Soc/FI Hydrant Ct	15080



(BAQF1008090-C)

WASHOUT

Code	Description	Diameter
BFS1001W	Bend CI 100mmx90° Soc/FI Washout Ct	100
BFS150100W	Bend CI 150mmx100mmx90° Soc/FI Washout Ct	150100



(BFS1001W)

SOCKET-FLANGE**90°**

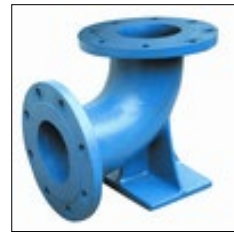
Code	Description	Diameter
BAQF10090-C	Bend CI 100mmx90° Soc/FI Ct	100
BAQF15090-C	Bend CI 150mmx90° Soc/FI Ct	150
BAQF20090-C	Bend CI 200mmx90° Soc/FI Ct	200
BAQF22590-C	Bend CI 225mmx90° Soc/FI Ct	225
BAQF25090-C	Bend CI 250mmx90° Soc/FI Ct	250
BAQF30090-C	Bend CI 300mmx90° Soc/FI Ct	300
BAQF37590-C	Bend CI 375mmx90° Soc/FI Ct	375
BAQF45090-C	Bend CI 450mmx90° Soc/FI Ct	450



90° (BAQF10090-C)

FL DUCKFOOT

Code	Description	Diameter
BDFD10090-C	Bend CI 100mmx90° FI/FI Duckfoot Ct	100
BDFD15090-C	Bend CI 150mmx90° FI/FI Duckfoot Ct	150
BDFD20090-C	Bend CI 200mmx90° FI/FI Duckfoot Ct	200
BDFD22590-C	Bend CI 225mmx90° FI/FI Duckfoot Ct	225
BDFD25090-C	Bend CI 250mmx90° FI/FI Duckfoot Ct	250
BDFD30090-C	Bend CI 300mmx90° FI/FI Duckfoot Ct	300
BDFD37590-C	Bend CI 375mmx90° FI/FI Duckfoot Ct	375
BDFD45090-C	Bend CI 450mmx90° FI/FI Duckfoot Ct	450



(BDFD10090-C)

WYES

Configurations including socket, spigot and flange.

- DI fittings manufactured to AS/NZS 2280.
- Sizes DN 100 - 150mm



SOCKET

Code	Description	Diameter
WYSS100100-C	Wye CI 100mm x 100mm Soc/Soc Ct	100100
WYSS150100-C	Wye CI 150mm x 100mm Soc/Soc Ct	150100
WYSS150150-C	Wye CI 150mm x 150mm Soc/Soc Ct	150150

Notes: Other sizes & configurations available on request



(WYSS100100-C)

SPIGOT

Code	Description	Diameter
WYSP100100-C	Wye CI 100mm x 100mm Spi/Spi Ct	100100
WYSP150100-C	Wye CI 150mm x 100mm Spi/Spi Ct	150100
WYSP150150-C	Wye CI 150mm x 150mm Spi/Spi Ct	150150

Notes: Other sizes & configurations available on request

FLANGE

Code	Description	Diameter
WYFF100100-C	Wye CI 100mm x 100mm FI/FI Ct	100100
WYFF150100-C	Wye CI 150mm x 100mm FI/FI Ct	150100
WYFF150150-C	Wye CI 150mm x 150mm FI/FI Ct	150150

Notes: Other sizes & configurations available on request



(WYFF100100-C)

END CAPS

- DI fittings manufactured to AS/NZS 2280.



SOCKET

Code	Description	Diameter
CAP100-C	End Cap CI 100mm Soc Ct	100
CAP150-C	End Cap CI 150mm Soc Ct	150
CAP200-C	End Cap CI 200mm Soc Ct	200
CAP225-C	End Cap CI 225mm Soc Ct	225
CAP250-C	End Cap CI 250mm Soc Ct	250
CAP300-C	End Cap CI 300mm Soc Ct	300
CAP375-C	End Cap CI 375mm Soc Ct	375
CAP450-C	End Cap CI 450mm Soc Ct	450



(CAP100-C)

BLANK FLANGE

Blank Flanges are available in any flange drilling with or without BSP tap outs.

- Sizes DN80-450 (up to 650 available on request)
- DI fittings manufactured to AS/NZS 2280. drilling with or without BSP tap outs.



BLANK FLANGE

Code	Description	Diameter
BF080-C	Blank Flange CI 80mm Ct	80
BF100-C	Blank Flange CI 100mm Ct	100
BF150-C	Blank Flange CI 150mm Ct	150
BF200-C	Blank Flange CI 200mm Ct	200
BF225-C	Blank Flange CI 225mm Ct	225
BF250-C	Blank Flange CI 250mm Ct	250
BF300-C	Blank Flange CI 300mm Ct	300
BF375-C	Blank Flange CI 375mm Ct	375
BF450-C	Blank Flange CI 450mm Ct	450



(BF080-C)

50MM BSP

Code	Description	Diameter
BF080T-C	Blank Flange CI 80mm Ct - 50mm BSP	80
BF100T-C	Blank Flange CI 100mm Ct - 50mm BSP	100
BF150T-C	Blank Flange CI 150mm Ct - 50mm BSP	150
BF200T-C	Blank Flange CI 200mm Ct - 50mm BSP	200
BF225T-C	Blank Flange CI 225mm Ct - 50mm BSP	225
BF250T-C	Blank Flange CI 250mm Ct - 50mm BSP	250
BF300T-C	Blank Flange CI 300mm Ct - 50mm BSP	300
BF375T-C	Blank Flange CI 375mm Ct - 50mm BSP	375
BF450T-C	Blank Flange CI 450mm Ct - 50mm BSP	450



(BF080T-C)

WEEP FLANGES (LOOSE)

- Sizes DN100-DN300mm.
- DI fittings manufactured to AS/NZS 2280.



WEEP FLANGES

Code	Description	Diameter
WF100-C	Weep Flange CI 100mm Ct	100
WF150-C	Weep Flange CI 150mm Ct	150
WF200-C	Weep Flange CI 200mm Ct	200
WF250-C	Weep Flange CI 250mm Ct	250
WF300-C	Weep Flange CI 300mm Ct	300



(WF100-C)

GIBAULT JOINT

- Sizes DN80-600mm
- Bolts are stainless steel 316
- DI fittings manufactured to AS/NZS 2280.



GIBAULT JOINT

Code	Description	Diameter	Range	Bolts
GIB080SS	Gib Joint S/S 88-103	80	88-103	Stainless Steel
GIB080100SS	Gib Joint S/S 88-103 x 100-133	80	80-103 x 100-133	Stainless Steel
GIB100SS	Gib Joint S/S 109-128	100	109-128	Stainless Steel
GIB100150SS	Gib Joint S/S 100-132 x 158-185	100	100-132 x 158-185	Stainless Steel
GIB200SS	Gib Joint S/S 218-235	200	218-235	Stainless Steel
GIB225SS	Gib Joint S/S 240-267	225	240-267	Stainless Steel
GIB250SS	Gib Joint S/S 272-289	250	272-289	Stainless Steel
GIB300SS	Gib Joint S/S 330-356	300	330-356	Stainless Steel
GIB375SS	Gib Joint S/S 400-429	375	400-429	Stainless Steel
GIB450SS	Gib Joint S/S 502-519	450	502-519	Stainless Steel
GIB500SS	Gib Joint S/S 555-572	500	555-572	Stainless Steel
GIB600SS	Gib Joint S/S 662-679	600	662-679	Stainless Steel
GIB150SS	Gib Joint S/S 159-182	150	159-182	Stainless Steel



(GIB080SS)

GIBAULT FLANGE ADAPTORS

- Sizes DN80-600mm
- Bolts are stainless steel 316
- DI fittings manufactured to AS/NZS 2280.



SOCKET

Code	Description	Diameter
GIBFL080SS	Gib Flange Adaptor S/S 80mm x 88-103	80
GIBFL100SS	Gib Flange Adaptor S/S 100mm x 109-128	100
GIBFL150SS	Gib Flange Adaptor S/S 150mm x 159-182	150
GIBFL200SS	Gib Flange Adaptor S/S 200mm x 218-235	200
GIBFL225SS	Gib Flange Adaptor S/S 225mm x 240-267	225
GIBFL250SS	Gib Flange Adaptor S/S 250mm x 272-289	250
GIBFL300SS	Gib Flange Adaptor S/S 300mm x 330-356	300
GIBFL375SS	Gib Flange Adaptor S/S 375mm x 400-429	375
GIBFL450SS	Gib Flange Adaptor S/S 450mm x 502-519	450
GIBFL500SS	Gib Flange Adaptor S/S 500mm x 555-572	500
GIBFL600SS	Gib Flange Adaptor S/S 600mm x 662-679	600



(GIBFL080SS)

GASKET SETS

Complete range of fibre and rubber in all flanged tables with Stainless steel or galvanised nuts and bolt sets available to suit.

- Available in sizes to suit DN80-750mm
- Sets complete with 1 gasket, 4 bolts, 4 nuts and washers



316 Stainless Steel

Code	Description	Diameter	Bolt Size
GSR08075S	G/Set 80mm Rub 75mm S/S Bolts	80	4 - M16 x 75
GSR10075S	G/Set 100mm Rub 75mm S/S Bolts	100	4 - M16 x 75
GSR10065S	G/Set 100mm Rub 65mm S/S Bolts	100	4 - M16 x 65
GSR15075S	G/Set 150mm Rub 75mm S/S Bolts	150	8 - M16 x 75
GSR20075S	G/Set 200mm Rub 75mm S/S Bolts	200	8 - M16 x 75
GSR22575S	G/Set 225mm Rub 75mm S/S Bolts	225	8 - M16 x 75
GSR25090S	G/Set 250mm Rub 90mm S/S Bolts	250	8 - M20 x 90
GSR30090S	G/Set 300mm Rub 90mm S/S Bolts	300	12 - M20 x 90

Notes: (Complete with Gasket, SS/GAL Bolts, nuts and Washers) to suit Flanges: PN16 AS4087 (Table C,D)



316 STAINLESS STEEL
(GSR08075S)

316 Stainless Steel

Code	Description	Diameter	Bolt Size
GSR375110S	G/Set 375mm Rub 110mm S/S Bolts	375	12 - M24 x 110
GSR450110S	G/Set 450mm Rub 110mm S/S Bolts	450	12 - M24 x 110
GSR500110S	G/Set 500mm Rub 110mm S/S Bolts	500	12 - M24 x 110
GSR525110S	G/Set 525mm Rub 110mm S/S Bolts	525	16 - M24 x 110
GSR600130S	G/Set 600mm Rub 130mm S/S Bolts	600	16 - M27 x 130
GSR750130S	G/Set 750mm Rub 130mm S/S Bolts	750	20 - M30 x 130

Notes: (Complete with Gasket, SS/GAL Bolts, nuts and Washers) to suit Flanges: PN16 AS4087 (Table C,D)



316 STAINLESS STEEL
(GSR08075S)

GALV

Code	Description	Diameter	Bolt Size
GSR08075G	G/Set 80mm Rub 75mm Gal Bolts	80	4 - M16 x 75
GSR10075G	G/Set 100mm Rub 75mm Gal Bolts	100	4 - M16 x 75
GSR10065G	G/Set 100mm Rub 65mm Gal Bolts	100	4 - M16 x 65
GSR15075G	G/Set 150mm Rub 75mm Gal Bolts	150	8 - M16 x 75
GSR20075G	G/Set 200mm Rub 75mm Gal Bolts	200	8 - M16 x 75
GSR22575G	G/Set 225mm Rub 75mm Gal Bolts	225	8 - M16 x 75
GSR25090G	G/Set 250mm Rub 90mm Gal Bolts	250	8 - M20 x 90
GSR30090G	G/Set 300mm Rub 90mm Gal Bolts	300	12 - M20 x 90
GSR375110G	G/Set 375mm Rub 110mm Gal Bolts	375	12 - M24 x 110
GSR450110G	G/Set 450mm Rub 110mm Gal Bolts	450	12 - M24 x 110
GSR500110G	G/Set 500mm Rub 110mm Gal Bolts	500	12 - M24 x 110
GSR525110G	G/Set 525mm Rub 110mm Gal Bolts	525	16 - M24 x 110
GSR600130G	G/Set 600mm Rub 130mm Gal Bolts	600	16 - M27 x 130
GSR750130G	G/Set 750mm Rub 130mm Gal Bolts	750	20 - M30 x 130

Notes: (Complete with Gasket, SS/GAL Bolts, nuts and Washers) to suit Flanges: PN16 AS4087 (Table C,D)



GALV (GSR08075G)

FLANGE ADAPTORS

Configurations including socket, Socket-Flange, and Spigot-Flange

- DI fittings made to AS/NZS 2280.
- Up to 650mm available on request
- Fittings up to DN600 are fully WASA appraised and approved.



SOCKET-FLANGE

Code	Description	Diameter
FAAQ080-C	Adaptor CI 80mm Soc/FI Ct	80
FAAQ100-C	Adaptor CI 100mm Soc/FI Ct	100
FAAQ150-C	Adaptor CI 150mm Soc/FI Ct	150
FAAQ200-C	Adaptor CI 200mm Soc/FI Ct	200
FAAQ225-C	Adaptor CI 225mm Soc/FI Ct	225
FAAQ250-C	Adaptor CI 250mm Soc/FI Ct	250
FAAQ300-C	Adaptor CI 300mm Soc/FI Ct	300
FAAQ375-C	Adaptor CI 375mm Soc/FI Ct	375
FAAQ450-C	Adaptor CI 450mm Soc/FI Ct	450



(FAAQ080-C)

SPIGOT-FLANGE

Code	Description	Diameter
FAPE080-C	Adaptor CI 80mm Spigot-Flange Ct	80
FAPE100-C	Adaptor CI 100mm Spigot-Flange Ct	100
FAPE150-C	Adaptor CI 150mm Spigot-Flange Ct	150
FAPE200-C	Adaptor CI 200mm Spigot-Flange Ct	200
FAPE225-C	Adaptor CI 225mm Spigot-Flange Ct	225
FAPE250-C	Adaptor CI 250mm Spigot-Flange Ct	250
FAPE300-C	Adaptor CI 300mm Spigot-Flange Ct	300
FAPE375-C	Adaptor CI 375mm Spigot-Flange Ct	375
FAPE450-C	Adaptor CI 450mm Spigot-Flange Ct	450



(FAPE080-C)

CONNECTORS

Available in undrilled, 2 or 4 outlets.
25 BSP, 32 BSP, 40 BSP and 50 BSP
available in 4, 2 and 1 outlets.

- Purple (Recycled) also available.
- DI fittings made to AS/NZS 2280.



REDITAP CONNECTORS

1 OUTLET

Code	Description	Diameter	Tapping
RTA-1-100-25	Connector ReadyTap 100x25mm BSP 1 Outlet	100	25 BSP 1 Outlet
RTA-1-100-32	Connector ReadyTap 100x32mm BSP 1 Outlet	100	32 BSP 1 Outlet
RTA-1-100-40	Connector ReadyTap 100x40mm BSP 1 Outlet	100	40 BSP 1 Outlet
RTA-1-100-50	Connector ReadyTap 100x50mm BSP 1 Outlet	100	50 BSP 1 Outlet
RTA-1-150-25	Connector ReadyTap 150x25mm BSP 1 Outlet	150	25 BSP 1 Outlet
RTA-1-150-32	Connector ReadyTap 150x32mm BSP 1 Outlet	150	32 BSP 1 Outlet
RTA-1-150-40	Connector ReadyTap 150x40mm BSP 1 Outlet	150	40 BSP 1 Outlet
RTA-1-150-50	Connector ReadyTap 150x50mm BSP 1 Outlet	150	50 BSP 1 Outlet

Notes: Purple (recycled) also available



1 OUTLET (RTA-1-100-25)

2 OUTLETS

Code	Description	Diameter	Tapping
RTA-2-100-20	Connector ReadyTap 100x20mm BSP 2 Outlet	100	20 BSP 2 Outlets
RTA-2-100-25	Connector ReadyTap 100x25mm BSP 2 Outlet	100	25 BSP 2 Outlets
RTA-2-150-20	Connector ReadyTap 150x20mm BSP 2 Outlet	150	20 BSP 2 Outlets
RTA-2-150-25	Connector ReadyTap 150x25mm BSP 2 Outlet	150	25 BSP 2 Outlets

Notes: Purple (recycled) also available



2 OUTLETS (RTA-2-100-20)

4 OUTLETS

Code	Description	Diameter	Tapping
RTA-4-100-20	Connector ReadyTap 100x20mm BSP 4 Outlet	100	20 BSP 4 Outlets
RTA-4-100-25	Connector ReadyTap 100x25mm BSP 4 Outlet	100	25 BSP 4 Outlets
RTA-4-150-20	Connector ReadyTap 150x20mm BSP 4 Outlet	150	20 BSP 4 Outlets
RTA-4-150-25	Connector ReadyTap 150x25mm BSP 4 Outlet	150	25 BSP 4 Outlets

Notes: Purple (recycled) also available



4 OUTLETS (RTA-4-100-20)

SOCKET

Code	Description	Diameter
CSS080-C	Adaptor CI 80mm Soc/Soc Ct	80
CSS100-C	Adaptor CI 100mm Soc/Soc Ct	100
CSS150-C	Adaptor CI 150mm Soc/Soc Ct	150
CSS200-C	Adaptor CI 200mm Soc/Soc Ct	200
CSS225-C	Adaptor CI 225mm Soc/Soc Ct	225
CSS250-C	Adaptor CI 250mm Soc/Soc Ct	250
CSS300-C	Adaptor CI 300mm Soc/Soc Ct	300
CSS375-C	Adaptor CI 375mm Soc/Soc Ct	375
CSS450-C	Adaptor CI 450mm Soc/Soc Ct	450



(CSS080-C)

TEES

Configurations including flanged, USJ and spigot.

- DI fittings manufactured to AS/NZS 2280.
- Sizes DN 80-450mm (up to 650mm available on request).



SOCKET

Code	Description	Diameter
TAQ080-C	Tee 80mm So/So/So Ct	80
TAQ10080-C	Tee Red 100mmx80mm So/So/So Ct	10080
TAQ100-C	Tee 100mm So/So/So Ct	100
TAQ15080-C	Tee Red 150mmx80mm So/So/So Ct	15080
TAQ150100-C	Tee Red 150mmx100mm So/So/So Ct	150100
TAQ150150-C	Tee 150mm So/So/So Ct	150150
TAQ20080-C	Tee Red 200mmx80mm So/So/So Ct	20080
TAQ200100-C	Tee Red 200mmx100mm So/So/So Ct	200100
TAQ200150-C	Tee Red 200mmx150mm So/So/So Ct	200150
TAQ200-C	Tee 200mm So/So/So Ct	200
TAQ22580-C	Tee Red 225mmx80mm So/So/So Ct	22580
TAQ225100-C	Tee Red 225mmx100mm So/So/So Ct	225100
TAQ225150-C	Tee Red 225mmx150mm So/So/So Ct	225150
TAQ225200-C	Tee Red 225mmx200mm So/So/So Ct	225200
TAQ225-C	Tee 225mm So/So/So Ct	225
TAQ25080-C	Tee Red 250mmx80mm So/So/So Ct	25080
TAQ250100-C	Tee Red 250mmx100mm So/So/So Ct	250100
TAQ250150-C	Tee Red 250mmx150mm So/So/So Ct	250150

SOCKET

Code	Description	Diameter
TAQ250200-C	Tee Red 250mmx200mm So/So/So Ct	250200
TAQ250225-C	Tee Red 250mmx225mm So/So/So Ct	250225
TAQ250-C	Tee 250mm So/So/So Ct	250
TAQ30080-C	Tee Red 300mmx80mm So/So/So Ct	30080
TAQ300100-C	Tee Red 300mmx100mm So/So/So Ct	300100
TAQ300150-C	Tee Red 300mmx150mm So/So/So Ct	300150
TAQ300200-C	Tee Red 300mmx200mm So/So/So Ct	300200
TAQ300225-C	Tee Red 300mmx225mm So/So/So Ct	300225
TAQ300250-C	Tee Red 300mmx250mm So/So/So Ct	300250
TAQ300-C	Tee 300mm So/So/So Ct	300
TAQ37580-C	Tee Red 375mmx80mm So/So/So Ct	37580
TAQ375100-C	Tee Red 375mmx100mm So/So/So Ct	375100
TAQ375150-C	Tee Red 375mmx150mm So/So/So Ct	375150
TAQ375200-C	Tee Red 375mmx200mm So/So/So Ct	375200
TAQ375225-C	Tee Red 375mmx225mm So/So/So Ct	375225
TAQ375250-C	Tee Red 375mmx250mm So/So/So Ct	375250
TAQ375300-C	Tee Red 375mmx300mm So/So/So Ct	375300
TAQ375-C	Tee 375mm So/So/So Ct	375
TAQ45080-C	Tee Red 450mmx80mm So/So/So Ct	45080
TAQ450100-C	Tee Red 450mmx100mm So/So/So Ct	450100
TAQ450150-C	Tee Red 450mmx150mm So/So/So Ct	450150
TAQ450200-C	Tee Red 450mmx200mm So/So/So Ct	450200
TAQ450225-C	Tee Red 450mmx225mm So/So/So Ct	450225
TAQ450250-C	Tee Red 450mmx250mm So/So/So Ct	450250
TAQ450300-C	Tee Red 450mmx300mm So/So/So Ct	450300
TAQ450375-C	Tee Red 450mmx375mm So/So/So Ct	450375
TAQ450-C	Tee 450mm So/So/So Ct	450

SOCKET-FLANGE

Code	Description	Diameter
TBFMWAQ10080-C	Tee Red Ci 100x80 Soc/Soc/FI Ct	10080
TBFMWAQ100-C	Tee CI 100mm Soc/Soc/FI Ct	100
TBFMWAQ15080-C	Tee Red Ci 150x80 Soc/Soc/FI Ct	15080
TBFMWAQ150100-C	Tee Red Ci 150x100 Soc/Soc/FI Ct	150100
TBFMWAQ150150-C	Tee Red Ci 150x150 Soc/Soc/FI Ct	150150
TBFMWAQ20080-C	Tee Red Ci 200x80 Soc/Soc/FI Ct	20080
TBFMWAQ200100-C	Tee Red Ci 200x100 Soc/Soc/FI Ct	200100
TBFMWAQ200150-C	Tee Red Ci 200x150 Soc/Soc/FI Ct	200150
TBFMWAQ200-C	Tee CI 200mm Soc/Soc/FI Ct	200
TBFMWAQ22580-C	Tee Red Ci 225x80 Soc/Soc/FI Ct	22580
TBFMWAQ225100-C	Tee Red Ci 225x100 Soc/Soc/FI Ct	225100
TBFMWAQ225150-C	Tee Red Ci 225x150 Soc/Soc/FI Ct	225150
TBFMWAQ225200-C	Tee Red Ci 225x200 Soc/Soc/FI Ct	225200
TBFMWAQ225-C	Tee CI 225mm Soc/Soc/FI Ct	225
TBFMWAQ25080-C	Tee Red Ci 250x80 Soc/Soc/FI Ct	25080
TBFMWAQ250100-C	Tee Red Ci 250x100 Soc/Soc/FI Ct	250100
TBFMWAQ250150-C	Tee Red Ci 250x150 Soc/Soc/FI Ct	250150
TBFMWAQ250200-C	Tee Red Ci 250x200 Soc/Soc/FI Ct	250200
TBFMWAQ250225-C	Tee Red Ci 250x225 Soc/Soc/FI Ct	250225
TBFMWAQ250-C	Tee CI 250mm Soc/Soc/FI Ct	250
TBFMWAQ30080-C	Tee Red Ci 300x80 Soc/Soc/FI Ct	30080
TBFMWAQ300100-C	Tee Red Ci 300x100 Soc/Soc/FI Ct	300100
TBFMWAQ300150-C	Tee Red Ci 300x150 Soc/Soc/FI Ct	300150
TBFMWAQ300200-C	Tee Red Ci 300x200 Soc/Soc/FI Ct	300200



(TBFMWAQ10080-C)

Code	Description	Diameter
TBFMWAQ300225-C	Tee Red Ci 300x225 Soc/Soc/FI Ct	300225
TBFMWAQ300250-C	Tee Red Ci 300x250 Soc/Soc/FI Ct	300250
TBFMWAQ300-C	Tee CI 300mm Soc/Soc/FI Ct	300
TBFMWAQ37580-C	Tee Red Ci 375x80 Soc/Soc/FI Ct	37580
TBFMWAQ375100-C	Tee Red Ci 375x100 Soc/Soc/FI Ct	375100
TBFMWAQ375150-C	Tee Red Ci 375x150 Soc/Soc/FI Ct	375150
TBFMWAQ375200-C	Tee Red Ci 375x200 Soc/Soc/FI Ct	375200
TBFMWAQ375225-C	Tee Red Ci 375x225 Soc/Soc/FI Ct	375225
TBFMWAQ375250-C	Tee Red Ci 375x250 Soc/Soc/FI Ct	375250
TBFMWAQ375300-C	Tee Red Ci 375x300 Soc/Soc/FI Ct	375300
TBFMWAQ375-C	Tee CI 375mm Soc/Soc/FI Ct	375
TBFMWAQ45080-C	Tee Red Ci 450x80 Soc/Soc/FI Ct	45080
TBFMWAQ450100-C	Tee Red Ci 450x100 Soc/Soc/FI Ct	450100
TBFMWAQ450150-C	Tee Red Ci 450x150 Soc/Soc/FI Ct	450150
TBFMWAQ450200-C	Tee Red Ci 450x200 Soc/Soc/FI Ct	450200
TBFMWAQ450225-C	Tee Red Ci 450x225 Soc/Soc/FI Ct	450225
TBFMWAQ450250-C	Tee Red Ci 450x250 Soc/Soc/FI Ct	450250
TBFMWAQ450300-C	Tee Red Ci 450x300 Soc/Soc/FI Ct	450300
TBFMWAQ450375-C	Tee Red Ci 450x375 Soc/Soc/FI Ct	450375
TBFMWAQ450-C	Tee CI 450mm Soc/Soc/FI Ct	450



(TBFMWAQ10080-C)

SOCKET-SPIGOT-FLANGE

Code	Description	Diameter
TSSPF10080-C	Tee Red Ci 100x80 Socket-Spigot-Flange Ct	10080
TSSPF100-C	Tee Ci 100 Socket-Spigot-Flange Ct	100
TSSPF15080-C	Tee Red Ci 150x80 Socket-Spigot-Flange Ct	15080
TSSPF150100-C	Tee Red Ci 150x100 Socket-Spigot-Flange Ct	150100
TSSPF20080-C	Tee Red Ci 200x80 Socket-Spigot-Flange Ct	20080
TSSPF200100-C	Tee Red Ci 200x100 Socket-Spigot-Flange Ct	200100
TSSPF22580-C	Tee Red Ci 225x80 Socket-Spigot-Flange Ct	22580
TSSPF225100-C	Tee Red Ci 225x100 Socket-Spigot-Flange Ct	225100
TSSPF25080-C	Tee Red Ci 250x80 Socket-Spigot-Flange Ct	25080
TSSPF250100-C	Tee Red Ci 250x100 Socket-Spigot-Flange Ct	250100
TSSPF30080-C	Tee Red Ci 300x80 Socket-Spigot-Flange Ct	30080
TSSPF300100-C	Tee Red Ci 300x100 Socket-Spigot-Flange Ct	300100
TSSPF37580-C	Tee Red Ci 375x80 Socket-Spigot-Flange Ct	37580
TSSPF375100-C	Tee Red Ci 375x100 Socket-Spigot-Flange Ct	375100
TSSPF45080-C	Tee Red Ci 450x80 Socket-Spigot-Flange Ct	45080
TSSPF450100-C	Tee Red Ci 450x100 Socket-Spigot-Flange Ct	450100
TSSPF150-C	Tee Ci 150 Socket-Spigot-Flange Ct	150150



(TSSPF10080-C)

SPIGOT

Code	Description	Diameter
TBB10080-C	Tee Red 100mmx80mm Sp/Sp/Sp Ct	10080
TBB100-C	Tee 100mm Sp/Sp/Sp Ct	100
TBB15080-C	Tee Red 150mmx80mm Sp/Sp/Sp Ct	15080
TBB150100-C	Tee Red 150mmx100mm Sp/Sp/Sp Ct	150100
TBB20080-C	Tee Red 200mmx80mm Sp/Sp/Sp Ct	20080
TBB200100-C	Tee Red 200mmx100mm Sp/Sp/Sp Ct	200100



(TBB10080-C)

Code	Description	Diameter
TBB200150-C	Tee Red 200mmx150mm Sp/Sp/Sp Ct	200150
TBB200-C	Tee 200mm Sp/Sp/Sp Ct	200
TBB22580-C	Tee Red 225mmx80mm Sp/Sp/Sp Ct	22580
TBB225100-C	Tee Red 225mmx100mm Sp/Sp/Sp Ct	225100
TBB225150-C	Tee Red 225mmx150mm Sp/Sp/Sp Ct	225150
TBB225200-C	Tee Red 225mmx200mm Sp/Sp/Sp Ct	225200
TBB225-C	Tee 225mm Sp/Sp/Sp Ct	225
TBB25080-C	Tee Red 250mmx80mm Sp/Sp/Sp Ct	25080
TBB250100-C	Tee Red 250mmx100mm Sp/Sp/Sp Ct	250100
TBB250150-C	Tee Red 250mmx150mm Sp/Sp/Sp Ct	250150
TBB250200-C	Tee Red 250mmx200mm Sp/Sp/Sp Ct	250200
TBB250225-C	Tee Red 250mmx225mm Sp/Sp/Sp Ct	250225
TBB250-C	Tee 250mm Sp/Sp/Sp Ct	250
TBB30080-C	Tee Red 300mmx80mm Sp/Sp/Sp Ct	30080
TBB300100-C	Tee Red 300mmx100mm Sp/Sp/Sp Ct	300100
TBB300150-C	Tee Red 300mmx150mm Sp/Sp/Sp Ct	300150
TBB300200-C	Tee Red 300mmx200mm Sp/Sp/Sp Ct	300200
TBB300225-C	Tee Red 300mmx225mm Sp/Sp/Sp Ct	300225
TBB300250-C	Tee Red 300mmx25mm Sp/Sp/Sp Ct	300250
TBB300-C	Tee 300mm Sp/Sp/Sp Ct	300
TBB37580-C	Tee Red 375mmx80mm Sp/Sp/Sp Ct	37580
TBB375100-C	Tee Red 375mmx100mm Sp/Sp/Sp Ct	375100
TBB375150-C	Tee Red 375mmx150mm Sp/Sp/Sp Ct	375150
TBB375200-C	Tee Red 375mmx200mm Sp/Sp/Sp Ct	375200
TBB375225-C	Tee Red 375mmx225mm Sp/Sp/Sp Ct	375225
TBB375250-C	Tee Red 375mmx250mm Sp/Sp/Sp Ct	375250
TBB375300-C	Tee Red 375mmx300mm Sp/Sp/Sp Ct	375300
TBB375-C	Tee 375mm Sp/Sp/Sp Ct	375
TBB45080-C	Tee Red 450mmx80mm Sp/Sp/Sp Ct	45080
TBB450100-C	Tee Red 450mmx100mm Sp/Sp/Sp Ct	450100
TBB450150-C	Tee Red 450mmx150mm Sp/Sp/Sp Ct	450150
TBB450200-C	Tee Red 450mmx200mm Sp/Sp/Sp Ct	450200
TBB450225-C	Tee Red 450mmx225mm Sp/Sp/Sp Ct	450225
TBB450250-C	Tee Red 450mmx250mm Sp/Sp/Sp Ct	450250
TBB450300-C	Tee Red 450mmx300mm Sp/Sp/Sp Ct	450300
TBB450375-C	Tee Red 450mmx375mm Sp/Sp/Sp Ct	450375
TBB450-C	Tee 450mm Sp/Sp/Sp Ct	450
TBB150-C	Tee 150mm Sp/Sp/Sp Ct	150150



(TBB10080-C)

SPIGOT-FLANGE

Code	Description	Diameter
TBF10080-C	Tee Red CI 100mmx80mm Sp/Spigot-Flange Ct	10080
TBF100-C	Tee CI 100mm Sp/Spigot-Flange Ct	100
TBF15080-C	Tee Red CI 150mmx80mm Sp/Spigot-Flange Ct	15080
TBF150100-C	Tee Red CI 150mmx100mm Sp/Spigot-Flange Ct	150100
TBF20080-C	Tee Red CI 200mmx80mm Sp/Spigot-Flange Ct	20080
TBF200100-C	Tee Red CI 200mmx100mm Sp/Spigot-Flange Ct	200100
TBF200150-C	Tee Red CI 200mmx150mm Sp/Spigot-Flange Ct	200150
TBF200-C	Tee CI 200mm Sp/Spigot-Flange Ct	200
TBF22580-C	Tee Red CI 225mmx80mm Sp/Spigot-Flange Ct	22580
TBF225100-C	Tee Red CI 225mmx100mm Sp/Spigot-Flange Ct	225100
TBF225150-C	Tee Red CI 225mmx150mm Sp/Spigot-Flange Ct	225150
TBF225200-C	Tee Red CI 225mmx200mm Sp/Spigot-Flange Ct	225200



(TBF10080-C)

Code	Description	Diameter
TBF225-C	Tee CI 225mm Sp/Spigot-Flange Ct	225
TBF25080-C	Tee Red CI 250mmx80mm Sp/Spigot-Flange Ct	25080
TBF250100-C	Tee Red CI 250mmx100mm Sp/Spigot-Flange Ct	250100
TBF250150-C	Tee Red CI 250mmx150mm Sp/Spigot-Flange Ct	250150
TBF250200-C	Tee Red CI 250mmx200mm Sp/Spigot-Flange Ct	250200
TBF250225-C	Tee Red CI 250mmx225mm Sp/Spigot-Flange Ct	250225
TBF250-C	Tee CI 250mm Sp/Spigot-Flange Ct	250
TBF30080-C	Tee Red CI 300mmx80mm Sp/Spigot-Flange Ct	30080
TBF300100-C	Tee Red CI 300mmx100mm Sp/Spigot-Flange Ct	300100
TBF300150-C	Tee Red CI 300mmx150mm Sp/Spigot-Flange Ct	300150
TBF300200-C	Tee Red CI 300mmx200mm Sp/Spigot-Flange Ct	300200
TBF300225-C	Tee Red CI 300mmx225mm Sp/Spigot-Flange Ct	300225
TBF300250-C	Tee Red CI 300mmx250mm Spigot-Flange Ct	300250
TBF300-C	Tee CI 300mm Sp/Spigot-Flange Ct	300
TBF37580-C	Tee Red CI 375mmx80mm Sp/Spigot-Flange Ct	37580
TBF375100-C	Tee Red CI 375mmx100mm Sp/Spigot-Flange Ct	375100
TBF375150-C	Tee Red CI 375mmx150mm Sp/Spigot-Flange Ct	375150
TBF375200-C	Tee Red CI 375mmx200mm Sp/Spigot-Flange Ct	375200
TBF375225-C	Tee Red CI 375mmx225mm Sp/Spigot-Flange Ct	375225
TBF375250-C	Tee Red CI 375mmx250mm Sp/Spigot-Flange Ct	375250
TBF375300-C	Tee Red CI 375mmx300mm Sp/Spigot-Flange Ct	375300
TBF375-C	Tee CI 375mm Sp/Spigot-Flange Ct	375
TBF45080-C	Tee Red CI 450mmx80mm Sp/Spigot-Flange Ct	45080
TBF450100-C	Tee Red CI 450mmx100mm Sp/Spigot-Flange Ct	450100
TBF450150-C	Tee Red CI 450mmx150mm Sp/Spigot-Flange Ct	450150
TBF450200-C	Tee Red CI 450mmx200mm Sp/Spigot-Flange Ct	450200
TBF450225-C	Tee Red CI 450mmx225mm Sp/Spigot-Flange Ct	450225
TBF450250-C	Tee Red CI 450mmx250mm Sp/Spigot-Flange Ct	450250
TBF450300-C	Tee Red CI 450mmx300mm Sp/Spigot-Flange Ct	450300
TBF450375-C	Tee Red CI 450mmx375mm Sp/Spigot-Flange Ct	450375
TBF450-C	Tee CI 450mm Sp/Spigot-Flange Ct	450
TBF150-C	Tee CI 150mm Sp/Spigot-Flange Ct	150150



(TBF10080-C)

FLANGE

Code	Description	Diameter
TAF10080-C	Tee Red CI 100mmx80mm FI/FI/FI Ct	10080
TAF100-C	Tee CI 100mm FI/FI/FI Ct	100
TAF15080-C	Tee Red CI 150mmx80mm FI/FI/FI Ct	15080
TAF150100-C	Tee Red CI 150mmx100mm FI/FI/FI Ct	150100
TAF20080-C	Tee Red CI 200mmx80mm FI/FI/FI Ct	20080
TAF200100-C	Tee Red CI 200mmx100mm FI/FI/FI Ct	200100
TAF200150-C	Tee Red CI 200mmx150mm FI/FI/FI Ct	200150
TAF200-C	Tee CI 200mm FI/FI/FI Ct	200
TAF22580-C	Tee Red CI 225mmx80mm FI/FI/FI Ct	22580
TAF225100-C	Tee Red CI 225mmx100mm FI/FI/FI Ct	225100
TAF225150-C	Tee Red CI 225mmx150mm FI/FI/FI Ct	225150
TAF225200-C	Tee Red CI 225mmx200mm FI/FI/FI Ct	225200
TAF225-C	Tee CI 225mm FI/FI/FI Ct	225
TAF25080-C	Tee Red CI 250mmx80mm FI/FI/FI Ct	25080
TAF250100-C	Tee Red CI 250mmx100mm FI/FI/FI Ct	250100
TAF250150-C	Tee Red CI 250mmx150mm FI/FI/FI Ct	250150
TAF250200-C	Tee Red CI 250mmx200mm FI/FI/FI Ct	250200
TAF250225-C	Tee Red CI 250mmx225mm FI/FI/FI Ct	250225



(TAF10080-C)

Code	Description	Diameter
TAF250-C	Tee CI 220mm FI/FI/FI Ct	250
TAF30080-C	Tee Red CI 300mmx80mm FI/FI/FI Ct	30080
TAF300100-C	Tee Red CI 300mmx100mm FI/FI/FI Ct	300100
TAF300150-C	Tee Red CI 300mmx150mm FI/FI/FI Ct	300150
TAF300200-C	Tee Red CI 300mmx200mm FI/FI/FI Ct	300200
TAF300225-C	Tee Red CI 300mmx225mm FI/FI/FI Ct	300225
TAF300250-C	Tee Red CI 300mmx250mm FI/FI/FI Ct	300250
TAF300-C	Tee CI 300mm FI/FI/FI Ct	300
TAF37580-C	Tee Red CI 375mmx80mm FI/FI/FI Ct	37580
TAF375100-C	Tee Red CI 375mmx100mm FI/FI/FI Ct	375100
TAF375150-C	Tee Red CI 375mmx150mm FI/FI/FI Ct	375150
TAF375200-C	Tee Red CI 375mmx200mm FI/FI/FI Ct	375200
TAF375225-C	Tee Red CI 375mmx225mm FI/FI/FI Ct	375225
TAF375250-C	Tee Red CI 375mmx250mm FI/FI/FI Ct	375250
TAF375300-C	Tee Red CI 375mmx300mm FI/FI/FI Ct	375300
TAF375-C	Tee CI 375mm FI/FI/FI Ct	375
TAF45080-C	Tee Red CI 450mmx80mm FI/FI/FI Ct	45080
TAF450100-C	Tee Red CI 450mmx100mm FI/FI/FI Ct	450100
TAF450150-C	Tee Red CI 450mmx150mm FI/FI/FI Ct	450150
TAF450200-C	Tee Red CI 450mmx200mm FI/FI/FI Ct	450200
TAF450225-C	Tee Red CI 450mmx225mm FI/FI/FI Ct	450225
TAF450250-C	Tee Red CI 450mmx250mm FI/FI/FI Ct	450250
TAF450300-C	Tee Red CI 450mmx300mm FI/FI/FI Ct	450300
TAF450375-C	Tee Red CI 450mmx375mm FI/FI/FI Ct	450375
TAF450-C	Tee CI 450mm FI/FI/FI Ct	450
TAF150-C	Tee CI 150mm FI/FI/FI Ct	150150



(TAF10080-C)

SCOUR TEES

SOCKET-FLANGE

Code	Description	Diameter
TBFSC10080-C	Tee Scour 100mm x 80 Soc/Soc/FI Ct	10080
TBFSC15080-C	Tee Scour 150mm x 80 Soc/Soc/FI Ct	15080
TBFSC150100-C	Tee Scour 150mm x 100 Soc/Soc/FI Ct	150100
TBFSC20080-C	Tee Scour 200mm x 80 Soc/Soc/FI Ct	20080
TBFSC200100-C	Tee Scour 200mm x 100 Soc/Soc/FI Ct	200100
TBFSC200150-C	Tee Scour 200mm x 150 Soc/Soc/FI Ct	200150
TBFSC225100-C	Tee Scour 225mm x 100 Soc/Soc/FI Ct	225100
TBFSC225150-C	Tee Scour 225mm x 150 Soc/Soc/FI Ct	225150
TBFSC250100-C	Tee Scour 250mm x 100 Soc/Soc/FI Ct	250100
TBFSC250150-C	Tee Scour 250mm x 150 Soc/Soc/FI Ct	250150
TBFSC300100-C	Tee Scour 300mm x 100 Soc/Soc/FI Ct	300100
TBFSC300150-C	Tee Scour 300mm x 150 Soc/Soc/FI Ct	300150
TBFSC375100-C	Tee Scour 375mm x 100 Soc/Soc/FI Ct	375100
TBFSC375150-C	Tee Scour 375mm x 150 Soc/Soc/FI Ct	375150
TBFSC450100-C	Tee Scour 450mm x 100 Soc/Soc/FI Ct	450100
TBFSC450150-C	Tee Scour 450mm x 150 Soc/Soc/FI Ct	450150



(TBFSC10080-C)

SPIGOT-FLANGE

Code	Description	Diameter
TBFSPSC10080-C	Tee Scour 100mm x 80 Sp/Spigot-Flange Ct	10080
TBFSPSC15080-C	Tee Scour 150mm x 80 Sp/Spigot-Flange Ct	15080
TBFSPSC150100-C	Tee Scour 150mm x 100 Sp/Spigot-Flange Ct	150100
TBFSPSC20080-C	Tee Scour 200mm x 80 Sp/Spigot-Flange Ct	20080
TBFSPSC200100-C	Tee Scour 200mm x 100 Sp/Spigot-Flange Ct	200100
TBFSPSC200150-C	Tee Scour 200mm x 150 Sp/Spigot-Flange Ct	200150
TBFSPSC225100-C	Tee Scour 225mm x 100 Sp/Spigot-Flange Ct	225100
TBFSPSC225150-C	Tee Scour 225mm x 150 Sp/Spigot-Flange Ct	225150
TBFSPSC250100-C	Tee Scour 250mm x 100 Sp/Spigot-Flange Ct	250100
TBFSPSC250150-C	Tee Scour 250mm x 150 Sp/Spigot-Flange Ct	250150
TBFSPSC300100-C	Tee Scour 300mm x 100 Sp/Spigot-Flange Ct	300100
TBFSPSC300150-C	Tee Scour 300mm x 150 Sp/Spigot-Flange Ct	300150
TBFSPSC375100-C	Tee Scour 375mm x 100 Sp/Spigot-Flange Ct	375100
TBFSPSC375150-C	Tee Scour 375mm x 150 Sp/Spigot-Flange Ct	375150
TBFSPSC450100-C	Tee Scour 450mm x 100 Sp/Spigot-Flange Ct	450100
TBFSPSC450150-C	Tee Scour 450mm x 150 Sp/Spigot-Flange Ct	450150

FLANGE-FLANGE

Code	Description	Diameter
TBFFSC10080-C	Tee Scour 100mm x 80 FI/FI/FI Ct	10080
TBFFSC15080-C	Tee Scour 150mm x 80 FI/FI/FI Ct	15080
TBFFSC150100-C	Tee Scour 150mm x 100 FI/FI/FI Ct	150100
TBFFSC20080-C	Tee Scour 200mm x 80 FI/FI/FI Ct	20080
TBFFSC200100-C	Tee Scour 200mm x 100 FI/FI/FI Ct	200100
TBFFSC200150-C	Tee Scour 200mm x 150 FI/FI/FI Ct	200150
TBFFSC225100-C	Tee Scour 225mm x 100 FI/FI/FI Ct	225100
TBFFSC225150-C	Tee Scour 225mm x 150 FI/FI/FI Ct	225150
TBFFSC250100-C	Tee Scour 250mm x 100 FI/FI/FI Ct	250100
TBFFSC250150-C	Tee Scour 250mm x 150 FI/FI/FI Ct	250150
TBFFSC300100-C	Tee Scour 300mm x 100 FI/FI/FI Ct	300100
TBFFSC300150-C	Tee Scour 300mm x 150 FI/FI/FI Ct	300150
TBFFSC375100-C	Tee Scour 375mm x 100 FI/FI/FI Ct	375100
TBFFSC375150-C	Tee Scour 375mm x 150 FI/FI/FI Ct	375150
TBFFSC450100-C	Tee Scour 450mm x 100 FI/FI/FI Ct	450100
TBFFSC450150-C	Tee Scour 450mm x 150 FI/FI/FI Ct	450150

REDUCERS

Configurations including flanged, socketed, concentric and eccentric

- DI fittings manufactured to AS/NZS 2280.
- Sizes DN100-450mm (up to 650mm available upon request)
- Fittings up to DN600 are fully WASA appraised and approved.



SOCKET

Code	Description	Diameter
RAQ10080-C	Reducer CI 100mm x 80mm Soc/Soc Ct	10080
RAQ15080-C	Reducer CI 150mm x 80mm Soc/Soc Ct	15080
RAQ150100-C	Reducer CI 150mm x 100mm Soc/Soc Ct	150100
RAQ200100-C	Reducer CI 200mm x 100mm Soc/Soc Ct	200100
RAQ200150-C	Reducer CI 200mm x 150mm Soc/Soc Ct	200150
RAQ225100-C	Reducer CI 225mm x 100mm Soc/Soc Ct	225100
RAQ225150-C	Reducer CI 225mm x 150mm Soc/Soc Ct	225150
RAQ225200-C	Reducer CI 225mm x 200mm Soc/Soc Ct	225200
RAQ250100-C	Reducer CI 250mm x 100mm Soc/Soc Ct	250100
RAQ250150-C	Reducer CI 250mm x 150mm Soc/Soc Ct	250150
RAQ250200-C	Reducer CI 250mm x 200mm Soc/Soc Ct	250200
RAQ250225-C	Reducer CI 250mm x 225mm Soc/Soc Ct	250225
RAQ300100-C	Reducer CI 300mm x 100mm Soc/Soc Ct	300100
RAQ300150-C	Reducer CI 300mm x 150mm Soc/Soc Ct	300150
RAQ300200-C	Reducer CI 300mm x 200mm Soc/Soc Ct	300200
RAQ300225-C	Reducer CI 300mm x 225mm Soc/Soc Ct	300225
RAQ300250-C	Reducer CI 300mm x 250mm Soc/Soc Ct	300250
RAQ375200-C	Reducer CI 375mm x 200mm Soc/Soc Ct	375200
RAQ375225-C	Reducer CI 375mm x 225mm Soc/Soc Ct	375225
RAQ375250-C	Reducer CI 375mm x 250mm Soc/Soc Ct	375250
RAQ375300-C	Reducer CI 375mm x 130mm Soc/Soc Ct	375300
RAQ450250-C	Reducer CI 450mm x 250mm Soc/Soc Ct	450250
RAQ450300-C	Reducer CI 450mm x 300mm Soc/Soc Ct	450300
RAQ450375-C	Reducer CI 450mm x 375mm Soc/Soc Ct	450375



(RAQ10080-C)

FLANGE

Code	Description	Diameter
RDF10080-C	Reducer CI 100mmx80mm FI/FI Ct	10080
RDF15080-C	Reducer CI 150mmx80mm FI/FI Ct	15080
RDF150100-C	Reducer CI 150mmx100mm FI/FI Ct	150100
RDF200100-C	Reducer CI 200mmx100mm FI/FI Ct	200100
RDF200150-C	Reducer CI 200mmx150mm FI/FI Ct	200150
RDF225100-C	Reducer CI 225mmx100mm FI/FI Ct	225100
RDF225150-C	Reducer CI 225mmx150mm FI/FI Ct	225150
RDF225200-C	Reducer CI 225mmx200mm FI/FI Ct	225200
RDF250100-C	Reducer CI 250mmx100mm FI/FI Ct	250100

Notes: Other End Configurations available on request, E.g. Flange/Socket, Flange/spigot



(RDF10080-C)

Code	Description	Diameter
RDF250150-C	Reducer CI 250mmx150mm FI/FI Ct	250150
RDF250200-C	Reducer CI 250mmx200mm FI/FI Ct	250200
RDF250225-C	Reducer CI 250mmx225mm FI/FI Ct	250225
RDF300100-C	Reducer CI 300mmx100mm FI/FI Ct	300100
RDF300150-C	Reducer CI 300mmx150mm FI/FI Ct	300150
RDF300200-C	Reducer CI 300mmx200mm FI/FI Ct	300200
RDF300225-C	Reducer CI 300mmx225mm FI/FI Ct	300225
RDF300250-C	Reducer CI 300mmx250mm FI/FI Ct	300250
RDF375200-C	Reducer CI 375mmx200mm FI/FI Ct	375200
RDF375225-C	Reducer CI 375mmx225mm FI/FI Ct	375225
RDF375250-C	Reducer CI 375mmx250mm FI/FI Ct	375250
RDF375300-C	Reducer CI 375mmx300mm FI/FI Ct	375300
RDF450250-C	Reducer CI 450mmx250mm FI/FI Ct	450250
RDF450300-C	Reducer CI 450mmx300mm FI/FI Ct	450300
RDF450375-C	Reducer CI 450mmx375mm FI/FI Ct	450375

Notes: Other End Configurations available on request, E.g. Flange/Socket, Flange/spigot



(RDF10080-C)

FLANGE ECCENTRIC

Code	Description	Diameter
REF10080-C	Reducer CI 100mmx80mm FI/FI Eccentric Ct	10080
REF15080-C	Reducer CI 150mmx80mm FI/FI Eccentric Ct	15080
REF150100-C	Reducer CI 150mmx100mm FI/FI Eccentric Ct	150100
REF200100-C	Reducer CI 200mmx100mm FI/FI Eccentric Ct	200100
REF200150-C	Reducer CI 200mmx150mm FI/FI Eccentric Ct	200150
REF225100-C	Reducer CI 225mmx100mm FI/FI Eccentric Ct	225100
REF225150-C	Reducer CI 225mmx150mm FI/FI Eccentric Ct	225150
REF225200-C	Reducer CI 225mmx200mm FI/FI Eccentric Ct	225200
REF250100-C	Reducer CI 250mmx100mm FI/FI Eccentric Ct	250100
REF250150-C	Reducer CI 250mmx150mm FI/FI Eccentric Ct	250150
REF250200-C	Reducer CI 250mmx200mm FI/FI Eccentric Ct	250200
REF250225-C	Reducer CI 250mmx225mm FI/FI Eccentric Ct	250225
REF300100-C	Reducer CI 300mmx100mm FI/FI Eccentric Ct	300100
REF300150-C	Reducer CI 300mmx150mm FI/FI Eccentric Ct	300150
REF300200-C	Reducer CI 300mmx200mm FI/FI Eccentric Ct	300200
REF300225-C	Reducer CI 300mmx225mm FI/FI Eccentric Ct	300225
REF300250-C	Reducer CI 300mmx250mm FI/FI Eccentric Ct	300250
REF375200-C	Reducer CI 375mmx200mm FI/FI Eccentric Ct	375200
REF375225-C	Reducer CI 375mmx225mm FI/FI Eccentric Ct	375225
REF375250-C	Reducer CI 375mmx250mm FI/FI Eccentric Ct	375250
REF375300-C	Reducer CI 375mmx300mm FI/FI Eccentric Ct	375300
REF450250-C	Reducer CI 450mmx250mm FI/FI Eccentric Ct	450250
REF450300-C	Reducer CI 450mmx300mm FI/FI Eccentric Ct	450300
REF450375-C	Reducer CI 450mmx375mm FI/FI Eccentric Ct	450375



(REF10080-C)

SOCKET-FLANGE

Code	Description	Diameter
RSCF10080-C	Reducer CI 100mmx80mm Soc/FI Ct	10080
RSCF15080-C	Reducer CI 150mmx80mm Soc/FI Ct	15080
RSCF150100-C	Reducer CI 150mmx100mm Soc/FI Ct	150100
RSCF200100-C	Reducer CI 200mmx100mm Soc/FI Ct	200100

Code	Description	Diameter
RSCF200150-C	Reducer CI 200mmx150mm Soc/FI Ct	200150
RSCF225100-C	Reducer CI 225mmx100mm Soc/FI Ct	225100
RSCF225150-C	Reducer CI 225mmx150mm Soc/FI Ct	225150
RSCF225200-C	Reducer CI 225mmx200mm Soc/FI Ct	225200
RSCF250100-C	Reducer CI 250mmx100mm Soc/FI Ct	250100
RSCF250150-C	Reducer CI 250mmx150mm Soc/FI Ct	250150
RSCF250200-C	Reducer CI 250mmx200mm Soc/FI Ct	250200
RSCF250225-C	Reducer CI 250mmx225mm Soc/FI Ct	250225
RSCF300100-C	Reducer CI 300mmx100mm Soc/FI Ct	300100
RSCF300150-C	Reducer CI 300mmx150mm Soc/FI Ct	300150
RSCF300200-C	Reducer CI 300mmx200mm Soc/FI Ct	300200
RSCF300225-C	Reducer CI 300mmx225mm Soc/FI Ct	300225
RSCF300250-C	Reducer CI 300mmx250mm Soc/FI Ct	300250
RSCF375200-C	Reducer CI 375mmx200mm Soc/FI Ct	375200
RSCF375225-C	Reducer CI 375mmx225mm Soc/FI Ct	375225
RSCF375250-C	Reducer CI 375mmx250mm Soc/FI Ct	375250
RSCF375300-C	Reducer CI 375mmx300mm Soc/FI Ct	375300
RSCF450250-C	Reducer CI 450mmx250mm Soc/FI Ct	450250
RSCF450300-C	Reducer CI 450mmx300mm Soc/FI Ct	450300
RSCF450375-C	Reducer CI 450mmx375mm Soc/FI Ct	450375

SPIGOT

Code	Description	Diameter
RSP10080-C	Reducer CI 100mmx80mm Spi/Spi Ct	10080
RSP15080-C	Reducer CI 150mmx80mm Spi/Spi Ct	15080
RSP150100-C	Reducer CI 150mmx100mm Spi/Spi Ct	150100
RSP200100-C	Reducer CI 200mmx100mm Spi/Spi Ct	200100
RSP200150-C	Reducer CI 200mmx150mm Spi/Spi Ct	200150
RSP225100-C	Reducer CI 225mmx100mm Spi/Spi Ct	225100
RSP225150-C	Reducer CI 225mmx150mm Spi/Spi Ct	225150
RSP225200-C	Reducer CI 225mmx200mm Spi/Spi Ct	225200
RSP250100-C	Reducer CI 250mmx100mm Spi/Spi Ct	250100
RSP250150-C	Reducer CI 250mmx150mm Spi/Spi Ct	250150
RSP250200-C	Reducer CI 250mmx200mm Spi/Spi Ct	250200
RSP250225-C	Reducer CI 250mmx225mm Spi/Spi Ct	250225
RSP300100-C	Reducer CI 300mmx100mm Spi/Spi Ct	300100
RSP300150-C	Reducer CI 300mmx150mm Spi/Spi Ct	300150
RSP300200-C	Reducer CI 300mmx200mm Spi/Spi Ct	300200
RSP300225-C	Reducer CI 300mmx225mm Spi/Spi Ct	300225
RSP300250-C	Reducer CI 300mmx250mm Spi/Spi Ct	300250
RSP375200-C	Reducer CI 375mmx200mm Spi/Spi Ct	375200
RSP375225-C	Reducer CI 375mmx225mm Spi/Spi Ct	375225
RSP375250-C	Reducer CI 375mmx250mm Spi/Spi Ct	375250
RSP375300-C	Reducer CI 375mmx300mm Spi/Spi Ct	375300
RSP450250-C	Reducer CI 450mmx250mm Spi/Spi Ct	450250
RSP450300-C	Reducer CI 450mmx300mm Spi/Spi Ct	450300
RSP450375-C	Reducer CI 450mmx375mm Spi/Spi Ct	450375



(RSP10080-C)

SPIGOT-FLANGE

Code	Description	Diameter
RSPF10080-C	Reducer CI 100mmx80mm Spi/FI Ct	10080
RSPF15080-C	Reducer CI 150mmx80mm Spi/FI Ct	15080
RSPF150100-C	Reducer CI 150mmx100mm Spi/FI Ct	150100
RSPF200100-C	Reducer CI 200mmx100mm Spi/FI Ct	200100
RSPF200150-C	Reducer CI 200mmx150mm Spi/FI Ct	200150
RSPF225100-C	Reducer CI 225mmx100mm Spi/FI Ct	225100
RSPF225150-C	Reducer CI 225mmx150mm Spi/FI Ct	225150
RSPF225200-C	Reducer CI 225mmx200mm Spi/FI Ct	225200
RSPF250100-C	Reducer CI 250mmx100mm Spi/FI Ct	250100
RSPF250150-C	Reducer CI 250mmx150mm Spi/FI Ct	250150
RSPF250200-C	Reducer CI 250mmx200mm Spi/FI Ct	250200
RSPF250225-C	Reducer CI 250mmx225mm Spi/FI Ct	250225
RSPF300100-C	Reducer CI 300mmx100mm Spi/FI Ct	300100
RSPF300150-C	Reducer CI 300mmx150mm Spi/FI Ct	300150
RSPF300200-C	Reducer CI 300mmx200mm Spi/FI Ct	300200
RSPF300225-C	Reducer CI 300mmx225mm Spi/FI Ct	300225
RSPF300250-C	Reducer CI 300mmx250mm Spi/FI Ct	300250
RSPF375200-C	Reducer CI 375mmx200mm Spi/FI Ct	375200
RSPF375225-C	Reducer CI 375mmx225mm Spi/FI Ct	375225
RSPF375250-C	Reducer CI 375mmx250mm Spi/FI Ct	375250
RSPF375300-C	Reducer CI 375mmx300mm Spi/FI Ct	375300
RSPF450250-C	Reducer CI 450mmx250mm Spi/FI Ct	450250
RSPF450300-C	Reducer CI 450mmx300mm Spi/FI Ct	450300
RSPF450375-C	Reducer CI 450mmx375mm Spi/FI Ct	450375



(RSPF10080-C)

RISERS

Configurations including flanged, socketed, plain end, puddle flanged, weep flanged or either combination.

- DI fittings manufactured to AS/NZS 2280.
- Fittings up to DN600 are fully WASA appraised and approved.
- Sizes up to 650mm.



HYDRANT RISERS

80 mm Ø

Code	Description	Diameter	Length
PSDF080100S-C	Riser CI 80-100mm x 100mm FI/FI Ct	80100	100
PSDF080100-C	Riser CI 80mm x 100mm FI/FI Ct	80	100
PSDF080150-C	Riser CI 80mm x 150mm FI/FI Ct	80	150
PSDF080225-C	Riser CI 80mm x 225mm FI/FI Ct	80	225
PSDF080300-C	Riser CI 80mm x 300mm FI/FI Ct	80	300
PSDF080375-C	Riser CI 80mm x 375mm FI/FI Ct	80	375
PSDF080450-C	Riser CI 80mm x 450mm FI/FI Ct	80	450
PSDF080600-C	Riser CI 80mm x 600mm FI/FI Ct	80	600



80 MM Ø (PSDF080100S-C)

100 mm Ø

Code	Description	Diameter	Length
PSDF100100-C	Riser CI 100mm x 100mm FI/FI Ct	100	100
PSDF100150-C	Riser CI 100mm x 150mm FI/FI Ct	100	150
PSDF100225-C	Riser CI 100mm x 225mm FI/FI Ct	100	225
PSDF100300-C	Riser CI 100mm x 300mm FI/FI Ct	100	300
PSDF100375-C	Riser CI 100mm x 375mm FI/FI Ct	100	375
PSDF100450-C	Riser CI 100mm x 450mm FI/FI Ct	100	450
PSDF100600-C	Riser CI 100mm x 600mm FI/FI Ct	100	600
PSDF100900-C	Riser CI 100mm x 900mm FI/FI Ct	100	900
PSDF1001000-C	Riser CI 100mm x 1000mm FI/FI Ct	100	1000
PSDF1001500-C	Riser CI 100mm x 1500mm FI/FI Ct	100	1500
PSDF1002000-C	Riser CI 100mm x 2000mm FI/FI Ct	100	2000



100 MM Ø (PSDF100100-C)

PIPE RISERS**150 mm Ø**

Code	Description	Diameter	Length
PSDF150150-C	Riser CI 150mm x 150mm FI/FI Ct	150	150
PSDF150300-C	Riser CI 150mm x 300mm FI/FI Ct	150	300
PSDF150375-C	Riser CI 150mm x 375mm FI/FI Ct	150	375
PSDF150450-C	Riser CI 150mm x 450mm FI/FI Ct	150	450
PSDF150600-C	Riser CI 150mm x 600mm FI/FI Ct	150	600
PSDF1501000-C	Riser CI 150mm x 1000mm FI/FI Ct	150	1000



150 MM Ø (PSDF150150-C)

200 mm Ø

Code	Description	Diameter	Length
PSDF200150-C	Riser CI 200mm x 150mm FI/FI Ct	200	150
PSDF200300-C	Riser CI 200mm x 300mm FI/FI Ct	200	300
PSDF200375-C	Riser CI 200mm x 375mm FI/FI Ct	200	375
PSDF200450-C	Riser CI 200mm x 450mm FI/FI Ct	200	450
PSDF200600-C	Riser CI 200mm x 600mm FI/FI Ct	200	600
PSDF2001000-C	Riser CI 200mm x 1000mm FI/FI Ct	200	1000



200 MM Ø (PSDF200150-C)

225 mm Ø

Code	Description	Diameter	Length
PSDF225150-C	Riser CI 225mm x 150mm FI/FI Ct	225	150
PSDF225300-C	Riser CI 225mm x 300mm FI/FI Ct	225	300
PSDF225375-C	Riser CI 225mm x 375mm FI/FI Ct	225	375
PSDF225450-C	Riser CI 225mm x 450mm FI/FI Ct	225	450
PSDF225600-C	Riser CI 225mm x 600mm FI/FI Ct	225	600
PSDF2251000-C	Riser CI 225mm x 1000mm FI/FI Ct	225	1000



225 MM Ø (PSDF225150-C)

THRUST CONNECTORS

Configurations including flanged, socketed, spigot, puddle flanged, weep flanged or either combination.

- DI fittings manufactured to AS/NZS 2280.
- Fittings up to DN600 are fully WASA appraised and approved.
- Sizes up to 650mm.



FLANGE-SOCKET PIPE & WEEP

Code	Description	Diameter	Length
PFLSOWFCTR1000600	Thrust Conn CI 100mmx600mm - Flange-Socket Pipe & Weep	100	600
PFLSOWFCTR1500600	Thrust Conn CI 150mmx600mm - Flange-Socket Pipe & Weep	150	600
PFLSOWFCTR2000600	Thrust Conn CI 200mmx600mm - Flange-Socket Pipe & Weep	200	600
PFLSOWFCTR2250600	Thrust Conn CI 225mmx600mm - Flange-Socket Pipe & Weep	225	600
PFLSOWFCTR2500600	Thrust Conn CI 250mmx600mm - Flange-Socket Pipe & Weep	250	600
PFLSOWFCTR3000600	Thrust Conn CI 300mmx600mm - Flange-Socket Pipe & Weep	300	600
PFLSOWFCTR1000915	Thrust Conn CI 100mmx915mm - Flange-Socket Pipe & Weep	100	915
PFLSOWFCTR1500915	Thrust Conn CI 150mmx915mm - Flange-Socket Pipe & Weep	150	915
PFLSOWFCTR2000915	Thrust Conn CI 200mmx915mm - Flange-Socket Pipe & Weep	200	915
PFLSOWFCTR2250915	Thrust Conn CI 225mmx915mm - Flange-Socket Pipe & Weep	225	915

Notes: Other sizes & configurations available on request



(PFLSOWFCTR1000600)

FLANGE-SOCKET PIPE & WEEP

Code	Description	Diameter	Length
PFLSOWFCTR2500915	Thrust Conn CI 250mmx915mm - Flange-Socket Pipe & Weep	250	915
PFLSOWFCTR3000915	Thrust Conn CI 300mmx915mm - Flange-Socket Pipe & Weep	300	915
PFLSPWFCTR1001000	Thrust Conn CI 100mmx1000mm - Flange-Spigot Pipe & Weep	100	1000
PFLSPWFCTR1501000	Thrust Conn CI 150mmx1000mm - Flange-Spigot Pipe & Weep	150	1000
PFLSPWFCTR2001000	Thrust Conn CI 200mmx1000mm - Flange-Spigot Pipe & Weep	200	1000
PFLSPWFCTR2501000	Thrust Conn CI 250mmx1000mm - Flange-Spigot Pipe & Weep	250	1000
PFLSPWFCTR3001000	Thrust Conn CI 300mmx1000mm - Flange-Spigot Pipe & Weep	300	1000

Notes: Other sizes & configurations available on request

CROSSES

Configurations including socket, spigot and flange

- DI fittings manufactured to AS/NZS 2280.
- Sizes DN 100-150mm



SOCKET

Code	Description	Diameter
CSS100100-C	Cross CI 100mm x 100mm Soc/Soc Ct	100100
CSS150100-C	Cross CI 150mm x 100mm Soc/Soc Ct	150100
CSS150150-C	Cross CI 150mm x 150mm Soc/Soc Ct	150150

Notes: Other sizes & configurations available on request

SPIGOT

Code	Description	Diameter
CSP100100-C	Cross CI 100mm x 100mm Spi/Spi Ct	100100
CSP150100-C	Cross CI 150mm x 100mm Spi/Spi Ct	150100
CSP150150-C	Cross CI 150mm x 150mm Spi/Spi Ct	150150

Notes: Other sizes & configurations available on request

FLANGE

Code	Description	Diameter
CFF100100-C	Cross CI 100mm x 100mm Fl/Fl Ct	100100
CFF150100-C	Cross CI 150mm x 100mm Fl/Fl Ct	150100
CFF150150-C	Cross CI 150mm x 150mm Fl/Fl Ct	150150

Notes: Other sizes & configurations available on request



(CFF100100-C)

PIPE PIECES

Available in Flange/Spigot

- Pipe Pieces are available from DN100-300mm.
- 600mm Lengths
- Ductile Iron Coated
- Special length & configuration can be supplied to suit project requirements.



FLANGE-SPIGOT

Ductile Iron Coated

Code	Description	Diameter	Length
PPFS100600-C	Pipe Piece PN16 Fl/Sp 100mm x 600m	100	600mm
PPFS150600-C	Pipe Piece PN16 Fl/Sp 150mm x 600m	150	600mm
PPFS200600-C	Pipe Piece PN16 Fl/Sp 200mm x 600m	200	600mm
PPFS250600-C	Pipe Piece PN16 Fl/Sp 250mm x 600m	250	600mm
PPFS300600-C	Pipe Piece PN16 Fl/Sp 300mm x 600m	300	600mm



DUCTILE IRON COATED
(PPFS100600-C)



VALVES & HYDRANTS

DISMANTLING JOINTS

Thrust (Type A) and Non-Thrust (Type B).
 Suitable for repairs, connections, and general pipeline maintenance.

- Sizes DN80-600mm.
- AS/NZS 2280 compliant



THRUST TYPE (TYPE B)

Code	Description	Diameter
DJ80B	Dismantling Joint Type B 80mm SS Bolts AS4087 PN16 (T/D) FBE Coated	80
DJ100B	Dismantling Joint Type B 100mm SS Bolts AS4087 PN16 (T/D) FBE Coated	100
DJ150B	Dismantling Joint Type B 150mm SS Bolts AS4087 PN16 (T/D) FBE Coated	150
DJ200B	Dismantling Joint Type B 200mm SS Bolts AS4087 PN16 (T/D) FBE Coated	200
DJ225B	Dismantling Joint Type B 225mm SS Bolts AS4087 PN16 (T/D) FBE Coated	225
DJ250B	Dismantling Joint Type B 250mm SS Bolts AS4087 PN16 (T/D) FBE Coated	250
DJ300B	Dismantling Joint Type B 300mm SS Bolts AS4087 PN16 (T/D) FBE Coated	300
DJ350B	Dismantling Joint Type B 350mm SS Bolts AS4087 PN16 (T/D) FBE Coated	350
DJ375B	Dismantling Joint Type B 375mm SS Bolts AS4087 PN16 (T/D) FBE Coated	375
DJ400B	Dismantling Joint Type B 400mm SS Bolts AS4087 PN16 (T/D) FBE Coated	400
DJ450B	Dismantling Joint Type B 450mm SS Bolts AS4087 PN16 (T/D) FBE Coated	450
DJ500B	Dismantling Joint Type B 500mm SS Bolts AS4087 PN16 (T/D) FBE Coated	500
DJ600B	Dismantling Joint Type B 600mm SS Bolts AS4087 PN16 (T/D) FBE Coated	600



(DJ80B)

NON-THRUST TYPE (TYPE A)

Code	Description	Diameter
DJ80A	Dismantling Joint Type A 80mm SS Bolts AS4087 PN16 (T/D) FBE Coated	80
DJ100A	Dismantling Joint Type A 100mm SS Bolts AS4087 PN16 (T/D) FBE Coated	100
DJ150A	Dismantling Joint Type A 150mm SS Bolts AS4087 PN16 (T/D) FBE Coated	150
DJ200A	Dismantling Joint Type A 200mm SS Bolts AS4087 PN16 (T/D) FBE Coated	200
DJ225A	Dismantling Joint Type A 225mm SS Bolts AS4087 PN16 (T/D) FBE Coated	225
DJ250A	Dismantling Joint Type A 250mm SS Bolts AS4087 PN16 (T/D) FBE Coated	250
DJ300A	Dismantling Joint Type A 300mm SS Bolts AS4087 PN16 (T/D) FBE Coated	300
DJ350A	Dismantling Joint Type A 350mm SS Bolts AS4087 PN16 (T/D) FBE Coated	350
DJ375A	Dismantling Joint Type A 375mm SS Bolts AS4087 PN16 (T/D) FBE Coated	375
DJ400A	Dismantling Joint Type A 400mm SS Bolts AS4087 PN16 (T/D) FBE Coated	400
DJ450A	Dismantling Joint Type A 450mm SS Bolts AS4087 PN16 (T/D) FBE Coated	450
DJ500A	Dismantling Joint Type A 500mm SS Bolts AS4087 PN16 (T/D) FBE Coated	500
DJ600A	Dismantling Joint Type A 600mm SS Bolts AS4087 PN16 (T/D) FBE Coated	600



(DJ80A)

SPRING HYDRANTS

Ductile Iron Spring Hydrants to suit all the various Australian State and territory specifications (AS3952)

- Sizes DN80-DN100.
- Control valves to suit are also available..



SPRING

Code	Description	Diameter
SH080FBE	Spring Hydrant 80mm Ct	80
SH100FBE	Spring Hydrant 100mm Ct	100



(SH080FBE)

HYDRANT CONTROL VALVES

Ductile Iron Spring Hydrants to suit all the various Australian State and territory specifications (AS3952)

- Sizes DN80-DN100.
- Control valves to suit are also available..



ISOLATING

AS4087 Outlet Flange

Code	Description	Diameter
HC80F	Hyd Control Valve (Isolating) 80mm	80
HC100F	Hyd Control Valve (Isolating) 100mm	100



AS4087 OUTLET FLANGE
(HC80F)

COVER BOXES

Sluice Valve and Hydrant Boxes for all state requirements

■ Available in Cast Iron and Recycled Plastic (Blue, Grey, Purple or Yellow)



NSW COVER BOXES

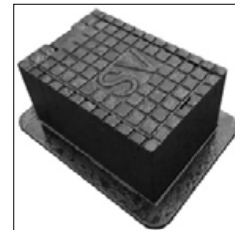
CAST IRON

Hydrant

Code	Description
HCLHD-A	Cast Iron "H" Box Rectangular Box & Lid - Asphalt
HCLHD-C	Cast Iron "H" Box Rectangular Box and Lid - Concrete

Sluice Valve

Code	Description
SVCLHD-A	Cast Iron "SV" Box Rectangular Box & Lid - Asphalt
SVCBell	Cast Iron "SV" Box Rectangular Box /Circular Lid
SVCLHD-C	Cast Iron "SV" Box Rectangular Box & Lid - Concrete



SLUICE VALVE (SVCLHD-A)

PLASTIC

Hydrant

Code	Description
HC4039	Plastic "H" Box Square Box & Lid - Yellow
HC4037	Plastic "H" Box Square Box & Lid - Grey
SVSYELLOW-FH	Plastic "FH" Box Rectangular Box & Lid - Yellow
HC4062	Plastic "H" Box Circular Box/Square Lid - Yellow
HC4068	Plastic "H" Box Circular Box/Square Lid - Lilac
HC4061	Plastic "H" Box Circular Box/Square Lid - Grey



HYDRANT (HC4039)

Sluice Valve

Code	Description
SV4038Y	Plastic "SV" Box Circular Box & Lid - Yellow
SV4067	Plastic "SV" Box Circular Box & Lid - Lilac
SV4038	Plastic "SV" Box Circular Box & Lid - Grey
SV4038W	Plastic "SV" Box Circular Box & Lid - White

QLD COVER BOXES

CAST IRON

Fire Hydrant

Code	Description
SVFHC-Q	Cast Iron "FH" Box Square Box and Lid - QLD



FIRE HYDRANT (SVFHC-Q)

Meter Boxes

Code	Description
HCD150X150	Cast Iron Stop/Meter Box - 150x150
HCD225X150	Cast Iron Stop/Meter Box - 225x150
HCD300x300	Cast Iron Stop/Meter Box - 300x300
HCD450x300	Cast Iron Stop/Meter Box - 450x300

METER BOXES
(HCD150X150)

Path Box

Code	Description
HC100RND	Cast Iron Water Box - QLD



PATH BOX (HC100RND)

Sluice Valve

Code	Description
SVSVC-Q	Cast Iron "SV" Box Square Box and Lid - QLD

Valve

Code	Description
SVVC-Q	Cast Iron "V" Box Square Box and Lid - QLD
SVCBELL-Q	Cast Iron "V" Box Rectangular Box /Circular Lid

PLASTIC

Fire Hydrant

Code	Description
HC5032	Plastic "FH" Box Square Box & Lid - Yellow
HC5042	Plastic "FH" Box Square Box & Lid - Grey
HC5052	Plastic "FH" Box Square Box & Lid - White
HC5062	Plastic "FH" Box Square Box & Lid - Purple
HC5072	Plastic "FH" Box Square Box & Lid - Blue



FIRE HYDRANT (HC5032)

Hydrant

Code	Description
HC5082	Plastic Recycled "H" Box Circular Box/Square Lid - Lilac

Sluice Valve

SLUICE VALVE (HC5033)

Code	Description
HC5033	Plastic "SV" Box Square Box & Lid - Yellow
HC5043	Plastic "SV" Box Square Box & Lid - Grey
HC5053	Plastic "SV" Box Square Box & Lid - White
HC5063	Plastic "SV" Box Square Box & Lid - Purple
HC5073	Plastic "SV" Box Square Box & Lid - Blue
SV5043	Plastic Recycled "SV" Box Circular Box/Square Lid - Lilac
SV5044	Plastic Recycled "SV" Box Square Box & Lid - Lilac

Valve

Code	Description
HC5034	Plastic "V" Box Square Box & Lid - Yellow
HC5044	Plastic "V" Box Square Box & Lid - Grey
HC5054	Plastic "V" Box Square Box & Lid - White
HC5064	Plastic "V" Box Square Box & Lid - Purple
HC5074	Plastic "V" Box Square Box & Lid - Blue

VIC COVER BOXES

CAST IRON

Hydrant

Code	Description
SVHC-V	Cast Iron "HYDRANT" Box Rectangler Box & Lid - VIC



HYDRANT (SVHC-V)

Valve

Code	Description
SVCBELL-V	Cast Iron "V" Box Rectangular Box /Circular Lid -VIC
SVPATH-V	Cast Iron Path Box c/w Hinged Lid - VIC

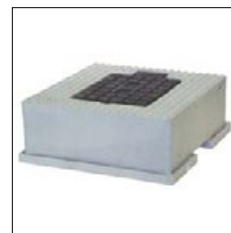


VALVE (SVCBELL-V)

PLASTIC

Hydrant

Code	Description
HC4037	Plastic "H" Box Square Box & Lid - Grey
HC4068	Plastic Recycled "H" Box Circular Box/Square Lid - Lilac



HYDRANT (HC4037)

Sluice Valve

Code	Description
SVVIC	Plastic "SV" Box Square Box/Circular Lid Grey - VIC
SV4067	Plastic "SV" Box Circular Box & Lid - Lilac



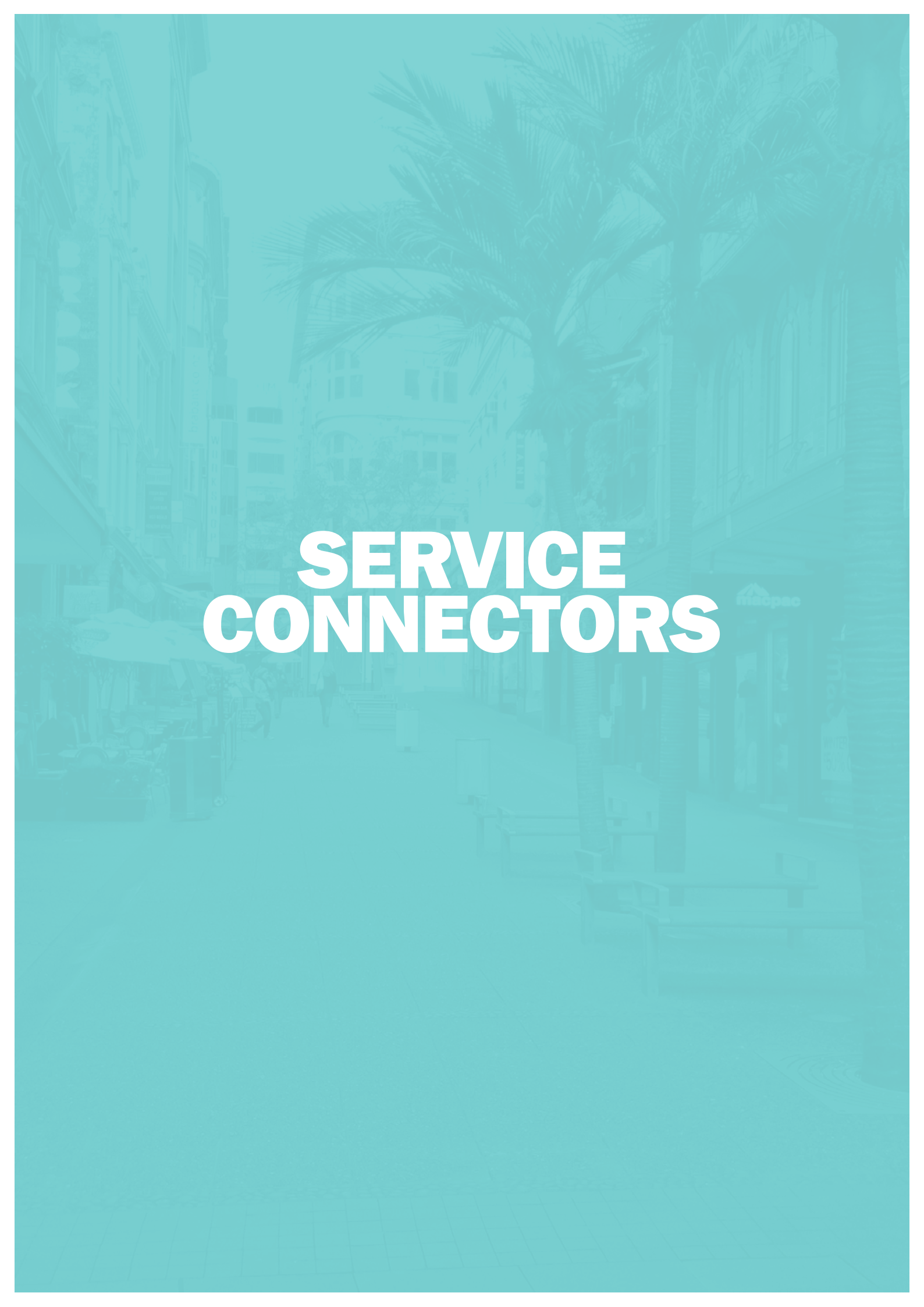
SLUICE VALVE (SVVIC)

ACCESSORIES COVER BOXES

Code	Description
SHPVC225	PVC Shroud Pipe
BP225	CI Shroud Base Plate
BPJ225	Base Plate Joiner
BP-DISC	Base Plate Extension Centre Disc For SV Box



(SHPVC225)



SERVICE CONNECTORS

TAPPING BANDS

Available in Gun Metal and 4N.

- Sizes DN100-300mm
- Also available with 20-50 BSP.



GUNMETAL TAPPING

20 mm BSP

Code	Description	Diameter
TBG10020	Tapping Band G/Metal 100 x 20	100
TBG15020	Tapping Band G/Metal 150 x 20	150
TBG20020	Tapping Band G/Metal 200 x 20	200
TBG22520	Tapping Band G/Metal 225 x 20	225
TBG25020	Tapping Band G/Metal 250 x 20	250
TBG30020	Tapping Band G/Metal 300 x 20	300
TBG37520	Tapping Band G/Metal 375 x 20	375
TBG45020	Tapping Band G/Metal 450 x 20	450

Notes: Suits Ductile & PVC Series 2



20 MM BSP (TBG10020)

25 mm BSP

Code	Description	Diameter
TBG10025	Tapping Band G/Metal 100 x 25	100
TBG15025	Tapping Band G/Metal 150 x 25	150
TBG20025	Tapping Band G/Metal 200 x 25	200
TBG22525	Tapping Band G/Metal 225 x 25	225
TBG25025	Tapping Band G/Metal 250 x 25	250
TBG30025	Tapping Band G/Metal 300 x 25	300
TBG37525	Tapping Band G/Metal 375 x 25	375
TBG45025	Tapping Band G/Metal 450 x 25	450

Notes: Suits Ductile & PVC Series 2



25 MM BSP (TBG10025)

32 mm BSP

Code	Description	Diameter
TBG10032	Tapping Band G/Metal 100 x 32	100
TBG15032	Tapping Band G/Metal 150 x 32	150
TBG20032	Tapping Band G/Metal 200 x 32	200
TBG22532	Tapping Band G/Metal 225 x 32	225
TBG25032	Tapping Band G/Metal 250 x 32	250
TBG30032	Tapping Band G/Metal 300 x 32	300
TBG37532	Tapping Band G/Metal 375 x 32	375
TBG45032	Tapping Band G/Metal 450 x 32	450

Notes: Suits Ductile & PVC Series 2



32 MM BSP (TBG10032)

40 mm BSP

Code	Description	Diameter
TBG10040	Tapping Band G/Metal 100 x 40	100
TBG15040	Tapping Band G/Metal 150 x 40	150
TBG20040	Tapping Band G/Metal 200 x 40	200
TBG22540	Tapping Band G/Metal 225 x 40	225
TBG25040	Tapping Band G/Metal 250 x 40	250
TBG30040	Tapping Band G/Metal 300 x 40	300
TBG37540	Tapping Band G/Metal 375 x 40	375
TBG45040	Tapping Band G/Metal 450 x 40	450

Notes: Suits Ductile & PVC Series 2



40 MM BSP (TBG10040)

50 mm BSP

Code	Description	Diameter
TBG10050	Tapping Band G/Metal 100 x 50	100
TBG15050	Tapping Band G/Metal 150 x 50	150
TBG20050	Tapping Band G/Metal 200 x 50	200
TBG22550	Tapping Band G/Metal 225 x 50	225
TBG25050	Tapping Band G/Metal 250 x 50	250
TBG30050	Tapping Band G/Metal 300 x 50	300
TBG37550	Tapping Band G/Metal 375 x 50	375
TBG45050	Tapping Band G/Metal 450 x 50	450

Notes: Suits Ductile & PVC Series 2



50 MM BSP (TBG10050)

4N S2 BLUE

20 mm BSP

Code	Description	Diameter
TB4NS2BLUE100x20	Tapping Band 4N S2 Blue 100mm x 20mm BSP	100
TB4NS2BLUE150x20	Tapping Band 4N S2 Blue 150mm x 20mm BSP	150
TB4NS2BLUE200x20	Tapping Band 4N S2 Blue 200mm x 20mm BSP	200
TB4NS2BLUE225x20	Tapping Band 4N S2 Blue 225mm x 20mm BSP	225
TB4NS2BLUE250x20	Tapping Band 4N S2 Blue 250mm x 20mm BSP	250
TB4NS2BLUE300x20	Tapping Band 4N S2 Blue 300mm x 20mm BSP	300

Notes: Suits S2 PVC, and DI



20 MM BSP (TB4NS-2BLUE100X20)

25 mm BSP

Code	Description	Diameter
TB4NS2BLUE100x25	Tapping Band 4N S2 Blue 100mm x 25mm BSP	100
TB4NS2BLUE150x25	Tapping Band 4N S2 Blue 150mm x 25mm BSP	150
TB4NS2BLUE200x25	Tapping Band 4N S2 Blue 200mm x 25mm BSP	200
TB4NS2BLUE225x25	Tapping Band 4N S2 Blue 225mm x 25mm BSP	225
TB4NS2BLUE250x25	Tapping Band 4N S2 Blue 250mm x 25mm BSP	250
TB4NS2BLUE300x25	Tapping Band 4N S2 Blue 300mm x 25mm BSP	300

Notes: Suits S2 PVC, and DI



25 MM BSP (TB4NS-2BLUE100X25)

32 mm BSP

Code	Description	Diameter
TB4NS2BLUE100x32	Tapping Band 4N S2 Blue 100mm x 32mm BSP	100
TB4NS2BLUE150x32	Tapping Band 4N S2 Blue 150mm x 32mm BSP	150
TB4NS2BLUE200x32	Tapping Band 4N S2 Blue 200mm x 32mm BSP	200
TB4NS2BLUE225x32	Tapping Band 4N S2 Blue 225mm x 32mm BSP	225
TB4NS2BLUE250x32	Tapping Band 4N S2 Blue 250mm x 32mm BSP	250
TB4NS2BLUE300x32	Tapping Band 4N S2 Blue 300mm x 32mm BSP	300

Notes: Suits S2 PVC, and DI



32 MM BSP (TB4NS-2BLUE100X32)

40 mm BSP

Code	Description	Diameter
TB4NS2BLUE100x40	Tapping Band 4N S2 Blue 100mm x 40mm BSP	100
TB4NS2BLUE150x40	Tapping Band 4N S2 Blue 150mm x 40mm BSP	150
TB4NS2BLUE200x40	Tapping Band 4N S2 Blue 200mm x 40mm BSP	200
TB4NS2BLUE225x40	Tapping Band 4N S2 Blue 225mm x 40mm BSP	225
TB4NS2BLUE250x40	Tapping Band 4N S2 Blue 250mm x 40mm BSP	250
TB4NS2BLUE300x40	Tapping Band 4N S2 Blue 300mm x 40mm BSP	300

Notes: Suits S2 PVC, and DI



40 MM BSP (TB4NS-2BLUE100X40)

50 mm BSP

Code	Description	Diameter
TB4NS2BLUE100x50	Tapping Band 4N S2 Blue 100mm x 50mm BSP	100
TB4NS2BLUE150x50	Tapping Band 4N S2 Blue 150mm x 50mm BSP	150
TB4NS2BLUE200x50	Tapping Band 4N S2 Blue 200mm x 50mm BSP	200
TB4NS2BLUE225x50	Tapping Band 4N S2 Blue 225mm x 50mm BSP	225
TB4NS2BLUE250x50	Tapping Band 4N S2 Blue 250mm x 50mm BSP	250
TB4NS2BLUE300x50	Tapping Band 4N S2 Blue 300mm x 50mm BSP	300

Notes: Suits S2 PVC, and DI



50 MM BSP (TB4NS-2BLUE100X50)

4N S2 LILAC

20 mm BSP

Code	Description	Diameter
TB4NS2LILAC100x20	Tapping Band 4N S2 Lilac 100mm x 20mm BSP	100
TB4NS2LILAC150x20	Tapping Band 4N S2 Lilac 150mm x 20mm BSP	150
TB4NS2LILAC200x20	Tapping Band 4N S2 Lilac 200mm x 20mm BSP	200
TB4NS2LILAC225x20	Tapping Band 4N S2 Lilac 225mm x 20mm BSP	225
TB4NS2LILAC250x20	Tapping Band 4N S2 Lilac 250mm x 20mm BSP	250
TB4NS2LILAC300x20	Tapping Band 4N S2 Lilac 300mm x 20mm BSP	300

Notes: Suits S2 PVC, and DI



20 MM BSP (TB4NS2LILAC100X20)

25 mm BSP

Code	Description	Diameter
TB4NS2LILAC100x25	Tapping Band 4N S2 Lilac 100mm x 25mm BSP	100
TB4NS2LILAC150x25	Tapping Band 4N S2 Lilac 150mm x 25mm BSP	150
TB4NS2LILAC200x25	Tapping Band 4N S2 Lilac 200mm x 25mm BSP	200
TB4NS2LILAC225x25	Tapping Band 4N S2 Lilac 225mm x 25mm BSP	225

Notes: Suits S2 PVC, and DI



25 MM BSP (TB4NS2LILAC100X25)

25 mm BSP

Code	Description	Diameter
TB4NS2LILAC250x25	Tapping Band 4N S2 Lilac 250mm x 25mm BSP	250
TB4NS2LILAC300x25	Tapping Band 4N S2 Lilac 300mm x 25mm BSP	300

Notes: Suits S2 PVC, and DI



25 MM BSP (TB4NS2LI-LAC100X25)

32 mm BSP

Code	Description	Diameter
TB4NS2LILAC100x32	Tapping Band 4N S2 Lilac 100mm x 32mm BSP	100
TB4NS2LILAC150x32	Tapping Band 4N S2 Lilac 150mm x 32mm BSP	150
TB4NS2LILAC200x32	Tapping Band 4N S2 Lilac 200mm x 32mm BSP	200
TB4NS2LILAC225x32	Tapping Band 4N S2 Lilac 225mm x 32mm BSP	225
TB4NS2LILAC250x32	Tapping Band 4N S2 Lilac 250mm x 32mm BSP	250
TB4NS2LILAC300x32	Tapping Band 4N S2 Lilac 300mm x 32mm BSP	300

Notes: Suits S2 PVC, and DI



32 MM BSP (TB4NS2LI-LAC100X32)

40 mm BSP

Code	Description	Diameter
TB4NS2LILAC100x40	Tapping Band 4N S2 Lilac 100mm x 40mm BSP	100
TB4NS2LILAC150x40	Tapping Band 4N S2 Lilac 150mm x 40mm BSP	150
TB4NS2LILAC200x40	Tapping Band 4N S2 Lilac 200mm x 40mm BSP	200
TB4NS2LILAC225x40	Tapping Band 4N S2 Lilac 225mm x 40mm BSP	225
TB4NS2LILAC250x40	Tapping Band 4N S2 Lilac 250mm x 40mm BSP	250
TB4NS2LILAC300x40	Tapping Band 4N S2 Lilac 300mm x 40mm BSP	300

Notes: Suits S2 PVC, and DI



40 MM BSP (TB4NS2LI-LAC100X40)

50 mm BSP

Code	Description	Diameter
TB4NS2LILAC100x50	Tapping Band 4N S2 Lilac 100mm x 50mm BSP	100
TB4NS2LILAC150x50	Tapping Band 4N S2 Lilac 150mm x 50mm BSP	150
TB4NS2LILAC200x50	Tapping Band 4N S2 Lilac 200mm x 50mm BSP	200
TB4NS2LILAC225x50	Tapping Band 4N S2 Lilac 225mm x 50mm BSP	225
TB4NS2LILAC250x50	Tapping Band 4N S2 Lilac 250mm x 50mm BSP	250
TB4NS2LILAC300x50	Tapping Band 4N S2 Lilac 300mm x 50mm BSP	300

Notes: Suits S2 PVC, and DI



50 MM BSP (TB4NS2LI-LAC100X50)

4N PE BLACK

20 mm BSP

Code	Description	Diameter
TB4NPEBLK63x20	Tapping Band 4N PE Black 63mm x 20mm BSP	63
TB4NPEBLK90x20	Tapping Band 4N PE Black 90mm x 20mm BSP	90
TB4NPEBLK110x20	Tapping Band 4N PE Black 110mm x 20mm BSP	110
TB4NPEBLK125x20	Tapping Band 4N PE Black 125mm x 20mm BSP	125
TB4NPEBLK160x20	Tapping Band 4N PE Black 160mm x 20mm BSP	160
TB4NPEBLK180x20	Tapping Band 4N PE Black 180mm x 20mm BSP	180
TB4NPEBLK225x20	Tapping Band 4N PE Black 225mm x 20mm BSP	225

Notes: Suits PE>>available in PE Lilac upon request



20 MM BSP (TB4NPE-BLK63X20)

20 mm BSP

Code	Description	Diameter
TB4NPEBLK315x20	Tapping Band 4N PE Black 315mm x 20mm BSP	315

Notes: Suits PE>>available in PE Lilac upon request



20 MM BSP (TB4NPE-BLK63X20)

25 mm BSP

Code	Description	Diameter
TB4NPEBLK63x25	Tapping Band 4N PE Black 63mm x 25mm BSP	63
TB4NPEBLK90x25	Tapping Band 4N PE Black 90mm x 25mm BSP	90
TB4NPEBLK110x25	Tapping Band 4N PE Black 110mm x 25mm BSP	110
TB4NPEBLK125x25	Tapping Band 4N PE Black 125mm x 25mm BSP	125
TB4NPEBLK160x25	Tapping Band 4N PE Black 160mm x 25mm BSP	160
TB4NPEBLK180x25	Tapping Band 4N PE Black 180mm x 25mm BSP	180
TB4NPEBLK225x25	Tapping Band 4N PE Black 225mm x 25mm BSP	225
TB4NPEBLK315x25	Tapping Band 4N PE Black 315mm x 25mm BSP	315

Notes: Suits PE>>available in PE Lilac upon request



25 MM BSP (TB4NPE-BLK63X25)

32 mm BSP

Code	Description	Diameter
TB4NPEBLK90x32	Tapping Band 4N PE Black 90mm x 32mm BSP	90
TB4NPEBLK110x32	Tapping Band 4N PE Black 110mm x 32mm BSP	110
TB4NPEBLK125x32	Tapping Band 4N PE Black 125mm x 32mm BSP	125
TB4NPEBLK160x32	Tapping Band 4N PE Black 160mm x 32mm BSP	160
TB4NPEBLK180x32	Tapping Band 4N PE Black 180mm x 32mm BSP	180
TB4NPEBLK225x32	Tapping Band 4N PE Black 225mm x 32mm BSP	225
TB4NPEBLK315x32	Tapping Band 4N PE Black 315mm x 32mm BSP	315

Notes: Suits PE>>available in PE Lilac upon request



32 MM BSP (TB4NPE-BLK90X32)

40 mm BSP

Code	Description	Diameter
TB4NPEBLK90x40	Tapping Band 4N PE Black 90mm x 40mm BSP	90
TB4NPEBLK110x40	Tapping Band 4N PE Black 110mm x 40mm BSP	110
TB4NPEBLK125x40	Tapping Band 4N PE Black 125mm x 40mm BSP	125
TB4NPEBLK160x40	Tapping Band 4N PE Black 160mm x 40mm BSP	160
TB4NPEBLK180x40	Tapping Band 4N PE Black 180mm x 40mm BSP	180
TB4NPEBLK225x40	Tapping Band 4N PE Black 225mm x 40mm BSP	225
TB4NPEBLK315x40	Tapping Band 4N PE Black 315mm x 40mm BSP	315

Notes: Suits PE>>available in PE Lilac upon request



40 MM BSP (TB4NPE-BLK90X40)

50 mm BSP

Code	Description	Diameter
TB4NPEBLK90x50	Tapping Band 4N PE Black 90mm x 50mm BSP	90
TB4NPEBLK110x50	Tapping Band 4N PE Black 110mm x 50mm BSP	110
TB4NPEBLK125x50	Tapping Band 4N PE Black 125mm x 50mm BSP	125
TB4NPEBLK160x50	Tapping Band 4N PE Black 160mm x 50mm BSP	160
TB4NPEBLK180x50	Tapping Band 4N PE Black 180mm x 50mm BSP	180
TB4NPEBLK225x50	Tapping Band 4N PE Black 225mm x 50mm BSP	225
TB4NPEBLK315x50	Tapping Band 4N PE Black 315mm x 50mm BSP	315

Notes: Suits PE>>available in PE Lilac upon request



50 MM BSP (TB4NPE-BLK90X50)

FERRULE BENDS

Configurations including FI/FI, MI/
FI and Cu/MI

■ Outlet Sizes 20-50mm



OUTLET

MI

Code	Description	Diameter
FB20-MI	Ferrule Bend Plain 20mm MI BSP	20
FB25-MI	Ferrule Bend Plain 25mm MI BSP	25
FB32-MI	Ferrule Bend Plain 32mm MI BSP	32
FB40-MI	Ferrule Bend Plain 40mm MI BSP	40
FB50-MI	Ferrule Bend Plain 50mm MI BSP	50



MI (FB20-MI)

FI

Code	Description	Diameter
FB20-FI	Ferrule Bend Plain 20mm FI BSP	20
FB25-FI	Ferrule Bend Plain 25mm FI BSP	25
FB32-FI	Ferrule Bend Plain 32mm FI BSP	32
FB40-FI	Ferrule Bend Plain 40mm FI BSP	40
FB50-FI	Ferrule Bend Plain 50mm FI BSP	50



FI (FB20-FI)

Cu Comp

Code	Description	Diameter
FB20-CUC	Ferrule Bend Plain 20mm Cu Comp	20
FB25-CUC	Ferrule Bend Plain 25mm Cu Comp	25
FB32-CUC	Ferrule Bend Plain 32mm Cu Comp	32
FB40-CUC	Ferrule Bend Plain 40mm Cu Comp	40
FB50-CUC	Ferrule Bend Plain 50mm Cu Comp	50



CU COMP (FB20-CUC)

Cu Sol

Code	Description	Diameter
FB20-CUS	Ferrule Bend Plain 20mm Cu Sol	20
FB25-CUS	Ferrule Bend Plain 25mm Cu Sol	25
FB32-CUS	Ferrule Bend Plain 32mm Cu Sol	32
FB40-CUS	Ferrule Bend Plain 40mm Cu Sol	40
FB50-CUS	Ferrule Bend Plain 50mm Cu Sol	50



CU SOL (FB20-CUS)

TPFNR FERRULE COCKS

Configurations including FI/FI, MI/
FI and Cu/MI

■ Outlet Sizes 20-50mm



OUTLET

Bonnet MI

Code	Description	Diameter
FC20-BMI	Ferrule Bonnet Cock 20mm TPFNR - MI	20
FC25-BMI	Ferrule Bonnet Cock 25mm TPFNR - MI	25
FC32-BMI	Ferrule Bonnet Cock 32mm TPFNR - MI	32
FC40-BMI	Ferrule Bonnet Cock 40mm TPFNR - MI	40
FC50-BMI	Ferrule Bonnet Cock 50mm TPFNR - MI	50



BONNET MI (FC20-BMI)

Bonnet Poly

Code	Description	Diameter
FC20-BP	Ferrule Bonnet Cock 20mm TPFNR - POLY	20
FC25-BP	Ferrule Bonnet Cock 25mm TPFNR - POLY	25
FC32-BP	Ferrule Bonnet Cock 32mm TPFNR - POLY	32
FC40-BP	Ferrule Bonnet Cock 40mm TPFNR - POLY	40
FC50-BP	Ferrule Bonnet Cock 50mm TPFNR - POLY	50



BONNET POLY (FC20-BP)

Capped MI

Code	Description	Diameter
FC20-CMI	Ferrule Capped Cock 20mm TPFNR - MI	20
FC25-CMI	Ferrule Capped Cock 25mm TPFNR - MI	25
FC32-CMI	Ferrule Capped Cock 32mm TPFNR - MI	32
FC40-CMI	Ferrule Capped Cock 40mm TPFNR - MI	40
FC50-CMI	Ferrule Capped Cock 50mm TPFNR - MI	50



CAPPED MI (FC20-CMI)

Capped Poly

Code	Description	Diameter
FC20-CP	Ferrule Capped Cock 20mm TPFNR - Poly	20
FC25-CP	Ferrule Capped Cock 25mm TPFNR - Poly	25
FC32-CP	Ferrule Capped Cock 32mm TPFNR - Poly	32
FC40-CP	Ferrule Capped Cock 40mm TPFNR - Poly	40
FC50-CP	Ferrule Capped Cock 50mm TPFNR - Poly	50



CAPPED POLY (FC20-CP)

STANDARD FERRULE COCKS

Configurations including FI/FI, MI/
FI and Cu/MI

■ Outlet Sizes 20-50mm



OUTLET

MI

Code	Description	Diameter
FS20-MI	Standard Ferrule Cock 20mm - MI	20
FS25-MI	Standard Ferrule Cock 25mm - MI	25
FS32-MI	Standard Ferrule Cock 32mm - MI	32
FS40-MI	Standard Ferrule Cock 40mm - MI	40
FS50-MI	Standard Ferrule Cock 50mm - MI	50



MI (FS20-MI)

Poly

Code	Description	Diameter
FS20-PL	Standard Ferrule Cock 20mm - Poly	20
FS25-PL	Standard Ferrule Cock 25mm - Poly	25
FS32-PL	Standard Ferrule Cock 32mm - Poly	32
FS40-PL	Standard Ferrule Cock 40mm - Poly	40
FS50-PL	Standard Ferrule Cock 50mm - Poly	50



POLY (FS20-PL)

GM BALL VALVES

GM Ball Valves (Water Services) and R/A
Ball Valves & meter cocks available in 20
& 25mm Dia.

■ Outlet Sizes 20-50mm



WATER SERVICES

FI / FI

Code	Description	Diameter
BVFF20	Ball Valve 20mm FI/FI	20
BVFF25	Ball Valve 25mm FI/FI	25

Notes: Poly end connector supplied with Ball Valve.>>Purple handle option available.



FI / FI (BVFF20)

MI / FI

Code	Description	Diameter
BVMF20	Ball Valve 20mm MI/FI	20
BVMF25	Ball Valve 25mm MI/FI	25

Notes: Poly end connector supplied with Ball Valve.>>Purple handle option available.



MI / FI (BVMF20)

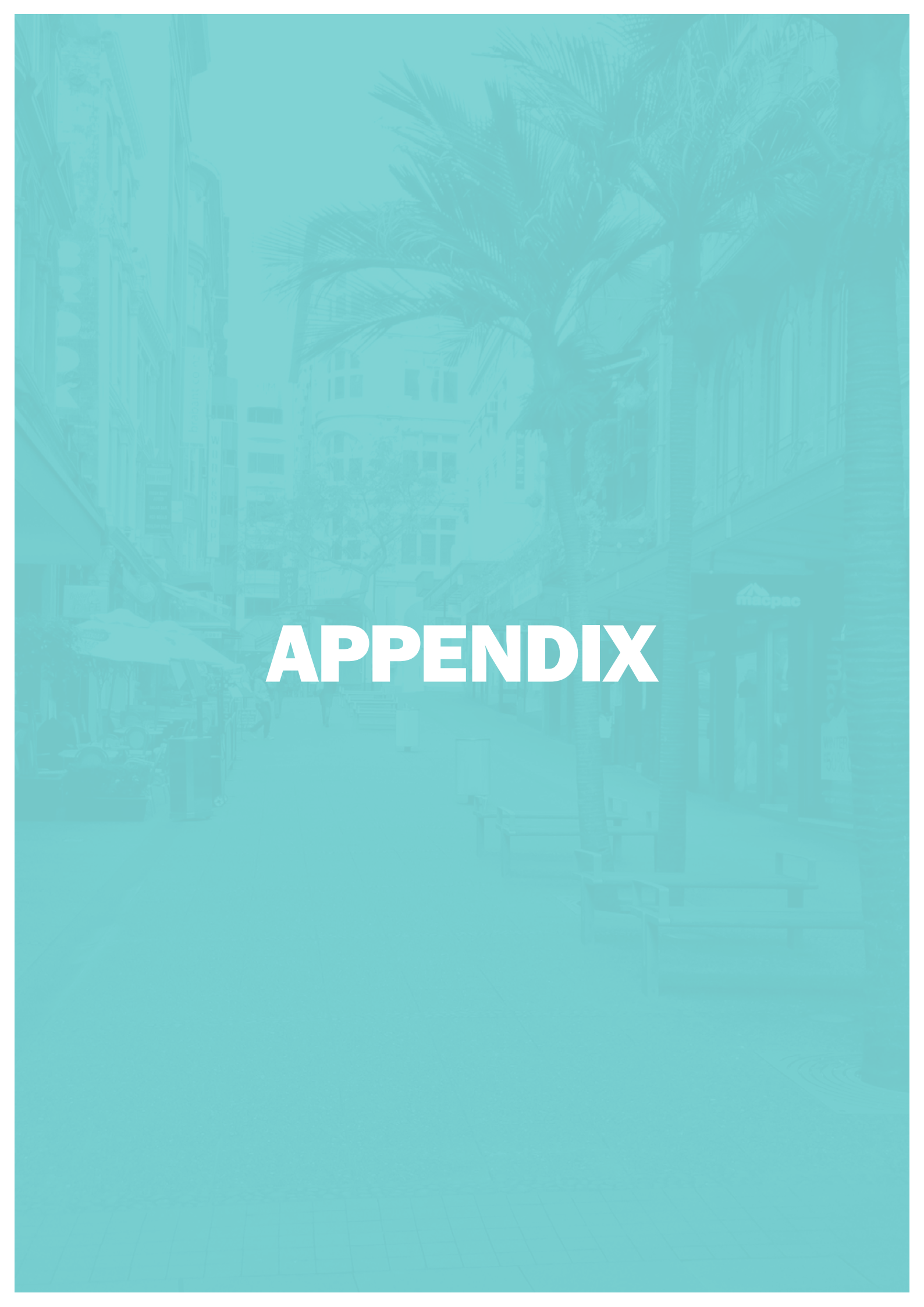
CU / MI

Code	Description	Diameter
BVMF20	Meter Cock 20mm Cu/MI	20
BVMF25	Meter Cock 25mm Cu/MI	25

Notes: Poly end connector supplied with Ball Valve.>>Purple handle option available.



CU / MI (BVMF20)



APPENDIX

ESTIMATED TORQUE VALUES

ESTIMATED TORQUES (NM)

PN35 AS4087

Dia	Bolt Size	Bolt Tension (kN)	Lightley Oiled u=0.22	Well Lubricated u=0.15
80	M16	41	140	100
100	M16	52	180	130
150	M20	66	290	200
200	M20	93	410	280
225	M24	108	570	390
250	M24	118	620	430
300	M24	110	580	400
375	M27	141	840	570
450	M30	150	990	680
500	M30	156	1030	700
600	M33	195	1420	970
750	M33	230	1670	1140

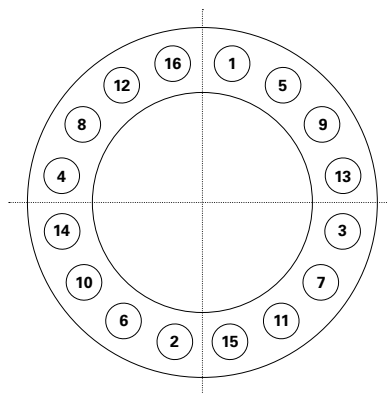
"Applies: PN35 AS4087 Flanges Fig B6 Galv Gr 8.8 or SS Gr 316 Class 80 Studs Fibre Gasket Non-Asbestos 1.5mm"

PN16 AS4087

Dia	Bolt Size	Bolt Tension (kN)	Lightley Oiled u=0.22	Well Lubricated u=0.15
80	M16	16	60	40
100	M16	22	80	55
150	M16	17	60	40
200	M16	22	80	55
225	M16	24	85	60
250	M20	35	155	105
300	M20	28	125	85
375	M24	42	220	150
450	M24	53	280	190
500	M24	52	275	185
600	M27	67	400	270
750	M30	80	530	360

"Applies: PN16 AS4087 Flanges Fig B5 Galv Gr 4.6 or SS Gr 316 Class 50 Bolts EPDM Rubber Gasket 3mm"

- The estimated torque values apply to AS/NZS2280 ductile iron flanges drilled to AS4087 PN16 Fig B5 and PN35 Fig B6 only.
- "Lightly Oiled" refers to the application of a good quality lubricating oil. This is the usual as-received condition.
- "Well Lubricated" refers to the application of molybdenum disulphide grease or equivalent anti-seize compound.
- The estimated torque values are based on the coefficients of friction (u) indicated. When other coefficients apply, alternative torque values need to be calculated.
- Star Pattern Tightening sequence:



PIPE DIAMETERS

PRESSURE PIPES

Pipe Material	Std (AS)	Nominal Size (DN)																							
		80	90	100	125	150	175	200	225	250	300	350	375	400	450	500	525	550	575	600	675	700	750	800	900
oPVC Series 2	4441	–	–	122	–	177	–	232	259	286	345	–	426	–	507	560	–	–	–	667	–	–	–	–	–
mPVC Series 2	4765	–	–	122	–	177	–	232	259	286	345	–	426	–	507	560	–	–	–	667	–	–	–	–	–
uPVC Series 2	1477	–	–	122	–	177	–	232	259	286	345	–	426	–	507	560	–	–	–	667	–	–	–	–	–
GRP	3571	–	–	–	–	–	–	–	–	–	345	399	426	453	507	560	587	–	–	667	747	–	826	–	924
Ductile Iron	2280	96	–	122	–	177	–	232	259	286	345	–	426	–	507	560	–	–	–	667	–	–	826	–	–
Cast Iron CI B	1724	–	–	122	–	177	–	232	259	286	334	–	413	–	492	545	–	–	–	650	–	–	–	–	–
Cast Iron CI C	2544	96	–	122	149	177	203	232	259	286	345	–	426	–	507	560	–	–	–	667	–	–	826	–	–
AC Class CD	1711	96	–	122	–	177	–	232	259	286	345	–	426	–	507	–	587	–	–	667	747	–	826	–	–
AC Class AB	1711	96	–	122	–	177	–	232	259	286	334	–	413	–	492	–	572	–	–	650	–	–	–	–	–
mPVC Series 1	4765	–	–	114	140	160	200	225	250	280	315	–	400	–	500	560	–	–	630	–	–	–	–	–	–
uPVC Series 1	1477	89	–	114	140	160	200	225	250	280	315	355	400	450	500	560	–	–	630	–	–	–	–	–	–
Mild Steel	1579	–	–	114	–	168	–	219	–	273	324	356	–	406	457	508	–	–	–	610	–	711	762	813	914
SS Sch 10-160		89	102	114	141	168	–	219	–	273	324	356	–	406	457	508	–	559	–	610	–	–	762	–	–
Gal Steel	1074	89	102	114	140	168	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	
ABS Series 1	3518	89	–	114	140	168	–	225	250	–	315	355	400	450	500	560	–	–	630	–	–	–	–	–	–
SS Tube	1528	76	89	102	127	152	–	203	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Copper	1432	76	89	102	127	152	–	203	229	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Reinf Concrete	4058	–	–	–	–	197	–	–	279	–	362		445		533		616	–	–	699	787	–	870	–	–
Poly PE80/100	4130	90	–	110	124 140	160 180	–	200 225	–	250 280	315	355	–	400	450	500	–	560	–	630	–	710	–	800	900
Ductile Iron ISO	EN545	98	–	118	144	170	–	222	–	274	326	378		429	480	532				635		738		842	945

NON-PRESSURE PIPES

PVC DWV	1260	82	-	110	-	160	-	-	250	-	315	-	400	-	-	-	-	-	-	-	-	-	-	-	-
PVC Stormwater	1254	75	90	110	-	160	-	-	250	-	315	-	400	-	-	-	-	-	-	-	-	-	-	-	-
VC	1741	-	-	138	-	194	-	-	280	-	370	-	450	485	535	-	635	-	-	-	-	-	-	-	-
FRC Class X		-	-	124	-	179	-	-	261	-	345	-	426	-	510	-	594	-	-	-	-	-	-	-	-
AC Class 35	1712	-	-	120	-	177	-	230	257	283	336	-	419	-	497	-	576	-	-	-	-	-	-	-	-
AC Class 50	1712	-	-	122	-	183	-	236	262	289	344	-	425	-	505	-	585	-	-	-	-	-	-	-	-
Cast Iron SWV	1631	85	-	114	140	165	-	-	244	-	323	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cast Iron SWV	EN877	83	-	110	135	160	-	210	-	274	326	-	-	429	-	532	-	-	-	-	-	-	-	-	-

PIPE & FLANGE DIMENSIONS

Pipe		Flanges: PN16 AS4087 (Table C,D)						Flanges: AS2129 (Table E)						Flanges: PN35 AS4087 (Table F,H)					
DN	Pipe OD	Flange OD	PCD	No Holes	Hole DIA	Bolt Size	Flange Thick	Flange OD	PCD	No Holes	Hole DIA	Bolt Size	Flange Thick	Flange OD	PCD	No Holes	Hole DIA	Bolt Size	Flange Thick
80	96	185	146	4	18	M16	18	Same as PN16						205	165	8	18	M16	22
100	122	215	178	4	18	M16	20	215	178	9	18	M16	22	230	191	8	18	M16	22
150	177	280	235	8	18	M16	23	280	235	8	22	M20	22	305	260	12	22	M20	27
200	232	335	292	8	18	M16	23	335	292	8	22	M20	25	370	324	12	22	M20	31
225	259	370	325	8	18	M16	24	370	324	12	22	M20	25	405	356	12	26	M24	34
250	286	405	356	8	22	M20	24	405	356	12	22	M20	25	430	381	12	26	M24	34
300	345	455	406	12	22	M20	30	455	406	12	26	M24	29	490	438	16	26	M24	38
375	426	550	495	12	26	M24	33	Same as PN16						580	521	16	30	M27	42
450	507	640	584	12	26	M24	33	640	584	16	26	M24	35	675	610	20	33	M30	46
500	560	705	641	16	26	M24	35	705	641	16	26	M24	38	735	673	24	33	M30	49
525	587	735	673	16	26	M24	38	735	673	16	30	M27	38	760	699	24	33	M30	60
600	667	825	756	16	30	M27	42	825	756	16	33	M30	41	850	781	24	36	M33	54
750	826	995	927	20	33	M30	47	995	927	20	36	M33	48	1015	940	28	36	M33	59

ACCESSORIES



MARKERS

MARKER POSTS

- Metal, Recycled Plastic, Timber options (Hydrant, Valve, Scour, Air, Recycled)
- QLD Metal (Yellow, Blue, White, Purple)
- VIC Recycled Plastic (White, Purple)
- NSW Recycled Plastic (White) (Other colours and configurations available)

MARKER PLATES/STICKERS

Metal Plates or Reflective Stickers

- Options: Hydrant, Valve, Scour, Air, Recycled and made to order

KERB MARKERS

- Brass or Stainless Steel
- Options: W, S, E, C, SD, T

REFLECTORS

- Roadway Reflectors (Blue, Yellow, White)
- Options: Bitumen Pad, Yellow Triangle Bitumen Pad



PIPELINE DETECTION

MARKER TAPES

- Detectable & Non-Detectable
- Options: Watermain, Recycled Water, Drinking Water, Sewer, Stormwater, Fire Fighting, Electrical, Communications, Safety & Gas

TRACER WIRE

- Options: Copper Wire, Stainless Steel Wire



PIPE CORROSION PROTECTION

PIPE SLEEVING

- Corrosion protection for ductile iron pipes
- Range: DN80–750mm
- Options: Potable Water (Blue), Recycled Water (Purple), Sewer (Cream)

PETROLEUM TAPES

- Pipeline surface protection
- Options: Primer, Mastix (Surface preparation), Petroleum Tape (Corrosion Protection), Outerwrap (External protection)



VALVE ACCESSORIES

VALVE EXTENSION SPINDLES

- Suits Gate Valves DN80 - DN750
- Ductile Iron (150–1200mm long)
- DI with Gal Steel Tube Shaft (450mm and longer)
- SS Extension Spindles made to order

VALVE KEY

- Extension Spindle with T-Handle
- Opens/Closes Gate Valves DN80 - DN750

VALVE STRAPS

- Stainless Steel
- Suit diameters 80–750NB

HANDWHEELS

- Suits Gate Valves 80–750NB
- Anti-Clockwise closing or Clockwise closing

FERRULE EXTENSION SPINDLES

- Suits Ferrule cocks DN20–50mm
- Galv Steel (225–900mm long)

FERRULE KEY

- Opens/Closes Ferrule cocks DN20–50mm



JOINTING, INSTALLATION & TESTING

LUBRICANTS

- Pipe jointing lubricant
- Anti-Seize thread lubricant

SEALS

- Rubber rings – suit PVC & DI pipe sockets
- Gaskets – EPDM & Fibre flange gaskets

FASTENERS

- Galvanised fasteners GR4.6, GR8.8
- Stainless Steel Fasteners GR316

TOOLS

- Ratchet wrenches
- Manhole Lifters (long, short handle)

THRUST BLOCKS/WEDGES

- Recycled Plastic and Timber

ADHESIVES

- Megapoxy (Gap filling epoxy adhesive)

TESTING/CLEANING

- Test Plugs
- Pipe Swabs

