



Complete range of fittings for Polyethylene Piping Systems

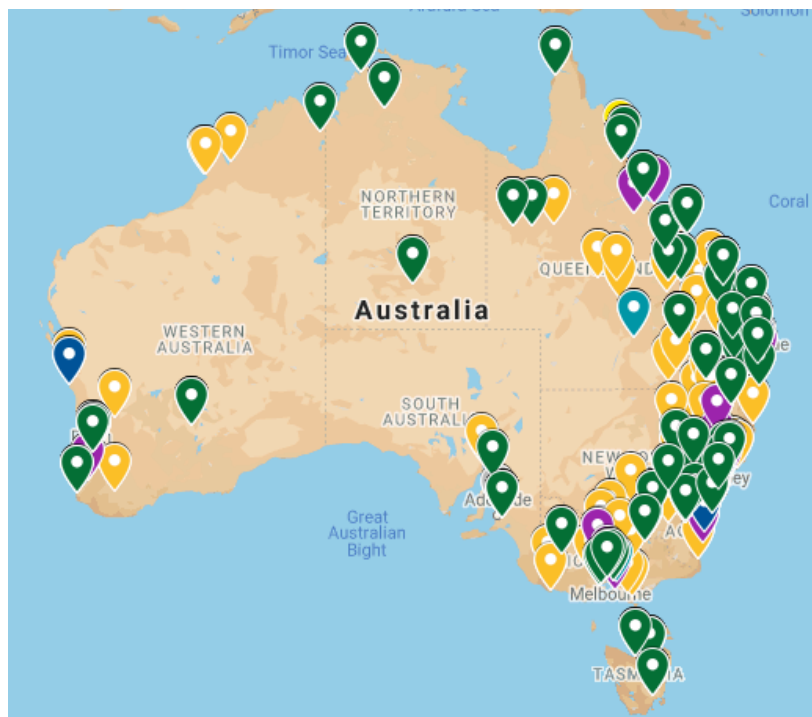


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Global Presence - Local Commitment

Plasson is a global leader in the development and manufacture of innovative solutions for connecting polyethylene and other pipelines.

We started with fittings for agricultural irrigation and have now developed solutions and systems for water, gas, waste and chemical pipelines.

Fluid delivery systems throughout the world owe their excellence to Plasson's innovative research and development.

Plasson fittings have proved to be the most reliable connection systems for polyethylene pipeline systems in Australian conditions for over 40 years.

Plasson delivers state-of-art products to a variety of industries including irrigation, rural, water utilities, plumbing, mining and gas distribution.

Why Choose Plasson?

- ✓ Same reliable design for over 40 years
- ✓ Hand tight assembly for most sizes: No wrenches – No hassles – No leaks
- ✓ Captive O-Ring for ease of installation & cannot be lost during assembly or reuse
- ✓ Largest fitting range
- ✓ Vast range of adaptor and conversion kits
- ✓ Extensive stock
- ✓ Best logistics and stock systems

Sizes

- ✓ Rural to 2"
- ✓ Metric to 160mm
- ✓ Mechanical tapping saddles to 2" and 180mm
- ✓ BSP threaded fitting to 4"
- ✓ Valves to 4"
- ✓ Electrofusion fittings systems and equipment to 1200mm

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QUESTIONS ABOUT PE?

PLASSON HAS THE ANSWERS.

Polyethylene offers the ideal cost-effective and technically superior alternative to other materials, requiring minimal effort to install, reducing the number of connections required and increasing the system lifespan.

With over 40 years of installed history in the harshest of Australian conditions, Plasson fittings are the toughest, most reliable and easiest to install poly pipe fittings available.

With a team of knowledgeable specialists, local expertise and authoritative field support, the answer to any questions on PE is waiting at Plasson.

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Rural Compression Fittings



Introducing Plasson's
Rural Tightening Tool:

—Your Hand—



No wrenches - No hassles - No leaks



$\frac{1}{2}$ " to 2" RURAL

 **PLASSON**®
ENGINEERED TO LAST

RURAL COMPRESSION FITTINGS

Note: System pressure rating is dependant on the rural pipe selected.

7010 - RURAL COUPLING



RURAL	BAG QTY	CODE
1/2"*	10	7010001
3/4"	10	7010002
1"	10	7010003
1.1/4"	5	7010004
1.1/2"	1	7010005
2"	1	7010006

*Note: All black fitting supplied

7010 - RURAL COUPLING BODY



RURAL	BAG QTY	CODE
1/2"	1	7010007
3/4"	1	7010008
1"	1	7010009
1.1/4"	1	7010010
1.1/2"	1	7010011
2"	1	7010012

Suits rural & metric fittings

7110 - RURAL REDUCING COUPLING



RURAL X RURAL	BAG QTY	CODE
3/4" x 1/2"	10	7110001
1" x 1/2"	10	7110002
1" x 3/4"	10	7110003
1.1/4" x 3/4"	5	7110004
1.1/4" x 1"	5	7110005
1.1/2" x 1"	1	7110006
1.1/2" x 1.1/4"	1	7110007
2" x 1"	1	7110008
2" x 1.1/4"	1	7110009
2" x 1.1/2"	1	7110010

7020 - RURAL MALE THREADED ADAPTOR



RURAL X BSP	BAG QTY	CODE
1/2" x 1/2"	10	7020001
1/2" x 3/4"	10	7020002
3/4" x 1/2"	10	7020003
3/4" x 3/4"	10	7020004
3/4" x 1"	10	7020005
1" x 1/2"	10	7020006
1" x 3/4"	10	7020007
1" x 1"	10	7020008
1.1/4" x 3/4"	5	7020009
1.1/4" x 1"	5	7020010
1.1/4" x 1.1/4"	5	7020011
1.1/4" x 1.1/2"	5	7020012

RURAL COMPRESSION FITTINGS

7020 - RURAL MALE THREADED ADAPTOR CONT.



RURAL X BSP			BAG QTY	CODE
1.1/2"	x	1"	1	7020013
1.1/2"	x	1.1/4"	1	7020014
1.1/2"	x	1.1/2"	1	7020015
1.1/2"	x	2"	1	7020016
2"	x	1"	1	7020017
2"	x	1.1/4"	1	7020018
2"	x	1.1/2"	1	7020019
2"	x	2"	1	7020020

7250 - RURAL BARREL UNION ADAPTOR WITH MALE THREAD



RURAL X BSP			BAG QTY	CODE
1"	x	1/2"	1	7250001
1"	x	3/4"	1	7250002
1.1/4"	x	1/2"	1	7250003
1.1/4"	x	3/4"	1	7250004
1.1/4"	x	1"	1	7250005
1.1/2"	x	1"	1	7250006
1.1/2"	x	1.1/4"	1	7250007
1.1/2"	x	1.1/2"	1	7250008
2"	x	1"	1	7250009
2"	x	1.1/4"	1	7250010
2"	x	1.1/2"	1	7250011
2"	x	2"	1	7250012

7030 - RURAL FEMALE ADAPTOR



RURAL X BSP			BAG QTY	CODE
1/2"	x	1/2"	10	7030001
1/2"	x	3/4"	10	7030002
3/4"	x	1/2"	10	7030003
3/4"	x	3/4"	10	7030004
3/4"	x	1"	10	7030005
1"	x	3/4"	10	7030006
1"	x	1"	10	7030007
1.1/4"	x	3/4"	5	7030008
1.1/4"	x	1"	5	7030009
1.1/4"	x	1.1/4"	5	7030010
1.1/2"	x	1"	1	7030011
1.1/2"	x	1.1/4"	1	7030012
1.1/2"	x	1.1/2"	1	7030013
2"	x	1.1/4"	1	7030014
2"	x	1.1/2"	1	7030015
2"	x	2"	1	7030016

Fittings with female threads 1.1/4" and above have a stainless steel reinforcing ring.

RURAL COMPRESSION FITTINGS

7050 - 90° RURAL ELBOW



RURAL	BAG QTY	CODE
1/2"	10	7050001
3/4"	10	7050002
1"	10	7050003
1.1/4"	5	7050004
1.1/2"	1	7050005
2"	1	7050006

7850 - 90° RURAL MALE ELBOW



RURAL X BSP	BAG QTY	CODE
3/4" x 1/2"	10	7850001
3/4" x 3/4"	10	7850002
1" x 1/2"	10	7850003
1" x 3/4"	10	7850004
1" x 1"	10	7850005
1.1/4" x 3/4"	5	7850006
1.1/4" x 1"	5	7850007
1.1/4" x 1.1/4"	5	7850008
1.1/2" x 1"	1	7850009
1.1/2" x 1.1/4"	1	7850010
1.1/2" x 1.1/2"	1	7850011
2" x 1"	1	7850012
2" x 1.1/4"	1	7850013
2" x 1.1/2"	1	7850014
2" x 2"	1	7850015

7150 - 90° RURAL FEMALE ELBOW



RURAL X BSP	BAG QTY	CODE
1/2" x 1/2"	10	7150001
3/4" x 1/2"	10	7150002
3/4" x 3/4"	10	7150003
1" x 1/2"	1	7150004
1" x 3/4"	10	7150005
1" x 1"	10	7150006
1.1/4" x 3/4"	5	7150007
1.1/4" x 1"	5	7150008
1.1/4" x 1.1/4"	5	7150009
1.1/2" x 1"	1	7150010
1.1/2" x 1.1/4"	1	7150011
1.1/2" x 1.1/2"	1	7150012
1.1/2" x 2"	1	7150013
2" x 1"	1	7150014
2" x 1.1/4"	1	7150015
2" x 1.1/2"	1	7150016
2" x 2"	1	7150017

Fittings with female threads 1.1/4" and above have a stainless steel reinforcing ring.

RURAL COMPRESSION FITTINGS

7040 - 90° RURAL TEE



RURAL 1	RURAL 2	RURAL 3	BAG QTY	CODE
1/2"	1/2"	1/2"	10	7040001
3/4"	3/4"	3/4"	10	7040002
1"	1"	1"	5	7040003
1.1/4"	1.1/4"	1.1/4"	5	7040004
1.1/2"	1.1/2"	1.1/2"	1	7040005
2"	2"	2"	1	7040006

7340 - 90° RURAL REDUCING TEE



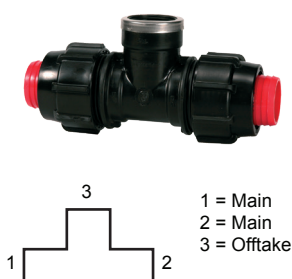
RURAL 1	RURAL 2	RURAL 3	BAG QTY	CODE
3/4"	3/4"	1/2"	10	7340001
1"	1"	3/4"	5	7340002
1.1/4"	1.1/4"	1"	5	7340003
1.1/2"	1.1/2"	1"	1	7340004
1.1/2"	1.1/2"	1.1/4"	1	7340005
2"	2"	1"	1	7340006
2"	2"	1.1/4"	1	7340007
2"	2"	1.1/2"	1	7340008

7840 - 90° RURAL TEE WITH MALE THREADED OFFTAKE



RURAL 1	RURAL 2	BSP 2	BAG QTY	CODE
3/4"	3/4"	1/2"	10	7840001
3/4"	3/4"	3/4"	10	7840002
1"	1"	1/2"	5	7840003
1"	1"	3/4"	5	7840004
1.1/4"	1.1/4"	1"	5	7840005
1.1/2"	1.1/2"	1.1/4"	1	7840006
1.1/2"	1.1/2"	1.1/2"	1	7840007
2"	2"	1.1/2"	1	7840008
2"	2"	2"	1	7840009

7140 - 90° RURAL TEE WITH FEMALE THREADED OFFTAKE



RURAL 1	RURAL 2	BSP 3	BAG QTY	CODE
1/2"	1/2"	1/2"	10	7140001
1/2"	1/2"	3/4"	10	7140002
3/4"	1/2"	3/4"	10	7140003
3/4"	3/4"	1/2"	10	7140004
3/4"	3/4"	3/4"	10	7140005
1"	1"	1/2"	5	7140006
1"	1"	3/4"	5	7140007
1"	1"	1"	5	7140008
1"	1"	1.1/4"	5	7140009
1.1/4"	1"	1"	5	7140010
1.1/4"	1.1/4"	3/4"	5	7140011
1.1/4"	1.1/4"	1"	5	7140012
1.1/4"	1.1/4"	1.1/4"	5	7140013
1.1/4"	1.1/4"	1.1/2"	5	7140014
1.1/2"	1.1/2"	1"	1	7140015
1.1/2"	1.1/2"	1.1/4"	1	7140016
1.1/2"	1.1/2"	1.1/2"	1	7140017
1.1/2"	1.1/2"	2"	1	7140018
2"	2"	1.1/2"	1	7140019
2"	2"	2"	1	7140020

Fittings with female threads 1.1/4" and above have a stainless steel reinforcing ring.

Plasson Australia Pty Ltd
Wholesale prices do not include 10% GST
Not all products in this catalogue are available ex-stock

RURAL COMPRESSION FITTINGS

7120 - RURAL END PLUG



RURAL	BAG QTY	CODE
1"	10	7120001
1.1/4"	5	7120002
1.1/2"	1	7120003
2"	1	7120004

7120 - BLANKING PLUG - OUTLET SEAL



RURAL	BAG QTY	CODE
3/4"	10	7120005
1"	10	7120006
1.1/4"	10	7120007
1.1/2"	10	7120008
2"	10	7120009

Use to seal any metric or rural compression fitting.

1602 - RURAL TAPPING SADDLE



RURAL X BSP		BAG QTY	GALVANISED BOLTS CODE	STAINLESS STEEL BOLTS CODE
2"	x 1/2"	1	1607010	1607118
2"	x 3/4"	1	1602001	1602003
2"	x 1"	1	1602002	1602004

Bolts galvanized via electroplating then protected with a proprietary passivation process.

1607 - RURAL TAPPING SADDLE FOR RURAL & METRIC WITH S/STEEL REINFORCING RING



RURAL X BSP		BOLTS	GALVANISED BOLTS CODE	STAINLESS STEEL BOLTS CODE
20 (3/4")	x 1/2"	Metric & Rural (Long Bolts)	1607001	1607109
25 (1")	x 1/2"	Metric & Rural (Long Bolts)	1607002	1607110
25 (1")	x 3/4"	Metric & Rural (Long Bolts)	1607003	1607111
32 (1.1/4")	x 1/2"	Metric & Rural (Long Bolts)	1607004	1607112
32 (1.1/4")	x 3/4"	Metric & Rural (Long Bolts)	1607005	1607113
32 (1.1/4")	x 1"	Metric & Rural (Long Bolts)	1607006	1607114
40 (1.1/2")	x 1/2"	Metric & Rural (Long Bolts)	1607007	1607115
40 (1.1/2")	x 3/4"	Metric & Rural (Long Bolts)	1607008	1607116
40 (1.1/2")	x 1"	Metric & Rural (Long Bolts)	1607009	1607117
50 (2")	x 1.1/4"	Metric & Rural (Long Bolts)	1607011	1607119

Bolts galvanized via electroplating then protected with a proprietary passivation process.

RURAL COMPRESSION FITTINGS

7005 - RURAL ADAPTOR



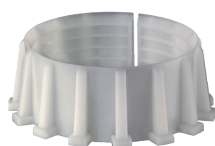
RURAL	BAG QTY	CODE
3/4"	10	7005001
1"	10	7005002
1.1/4"	5	7005003
1.1/2"	5	7005004
2"	5	7005005

7004 - RURAL NUT



RURAL	BAG QTY	CODE
3/4"	1	7004018
1"	1	7004019
1.1/4"	1	7004020
1.1/2"	1	7004021
2"	1	7004022

7003 - RURAL SPLIT RINGS



RURAL	BAG QTY	CODE
3/4"	1	7003026
1"	1	7003025
1.1/4"	1	7003001
1.1/2"	1	7003002
2"	1	7003003

7940 - MODULAR ADAPTOR - FOR CLOSE/TIGHT ASSEMBLIES



RURAL	BAG QTY	CODE
3/4"	10	7940001
1"	10	7940002
1.1/4"	5	7940003
1.1/2"	1	7940004
2"	1	7940005

Plasson Rural Fittings

Hand-tight assembly – No wrenches, no hassles, no leaks, no pull-outs.

Captive O-ring

The captive O-ring provides a seal irrespective of nut tightening – all Plasson rural fittings are fully assembled by hand.

Flexible

All Plasson rural fittings can be converted to connect to metric poly (blue line), PVC, steel, and copper pipes.

Long Body

Plasson's long body ensures that as the ground moves, the seal will not be affected by the bending loads.

Pull-out Resistant

All Plasson fittings exceed the pull-out requirements of Australian Standards – which is why Plasson is preferred in submersible bore jobs and in tough mining applications.



Conversion Kits

Flexible & Easy Switch for Increased Savings

The unique design of the Plasson compression fitting range ensures maximum flexibility. With a range of Plasson Conversion Kits, you can easily switch between Metric, Rural, Copper and PVC Pipe and threads as the body is a common part.

The standard Plasson fitting can be made to adapt to several different pipe materials, pipe sizes and also be used as a threaded connection. It ensures you can provide a solution for your customer's application without the need for a wide range of specialised fittings.

Features

- ✓ More solutions available off the shelf or in the customer's toolbox
- ✓ Greater range using fewer fittings
- ✓ Reduced stock requirements
- ✓ Easy conversion between different pipe types, sizes and threads

7005 - RURAL ADAPTOR



Go to page 16

7250 - RURAL BARREL UNION ADAPTOR WITH MALE THREAD



Go to page 12

7980 - CONVERSION KIT - RURAL TO METRIC



RURAL X METRIC			BAG QTY	CODE
3/4"	x	20	1	7980001
1"	x	25	1	7980002
1.1/4"	x	32	1	7980003
1.1/2"	x	40	1	7980004
2"	x	50	1	7980005

7980 - RURAL CONVERSION KIT - METRIC TO RURAL



METRIC X RURAL			BAG QTY	CODE
20	x	3/4"	1	7980006
25	x	1"	1	7980007
32	x	1.1/4"	1	7980008
40	x	1.1/2"	1	7980009
50	x	2"	1	7980010

7990 - RURAL CONVERSION KIT - METRIC TO IMPERIAL 'C'



METRIC X RURAL			BAG QTY	CODE
32	x	1"	1	7990001
40	x	1.1/4"	1	7990002
50	x	1.1/2"	1	7990003

7990 - RURAL CONVERSION KIT - METRIC TO IMPERIAL 'D'

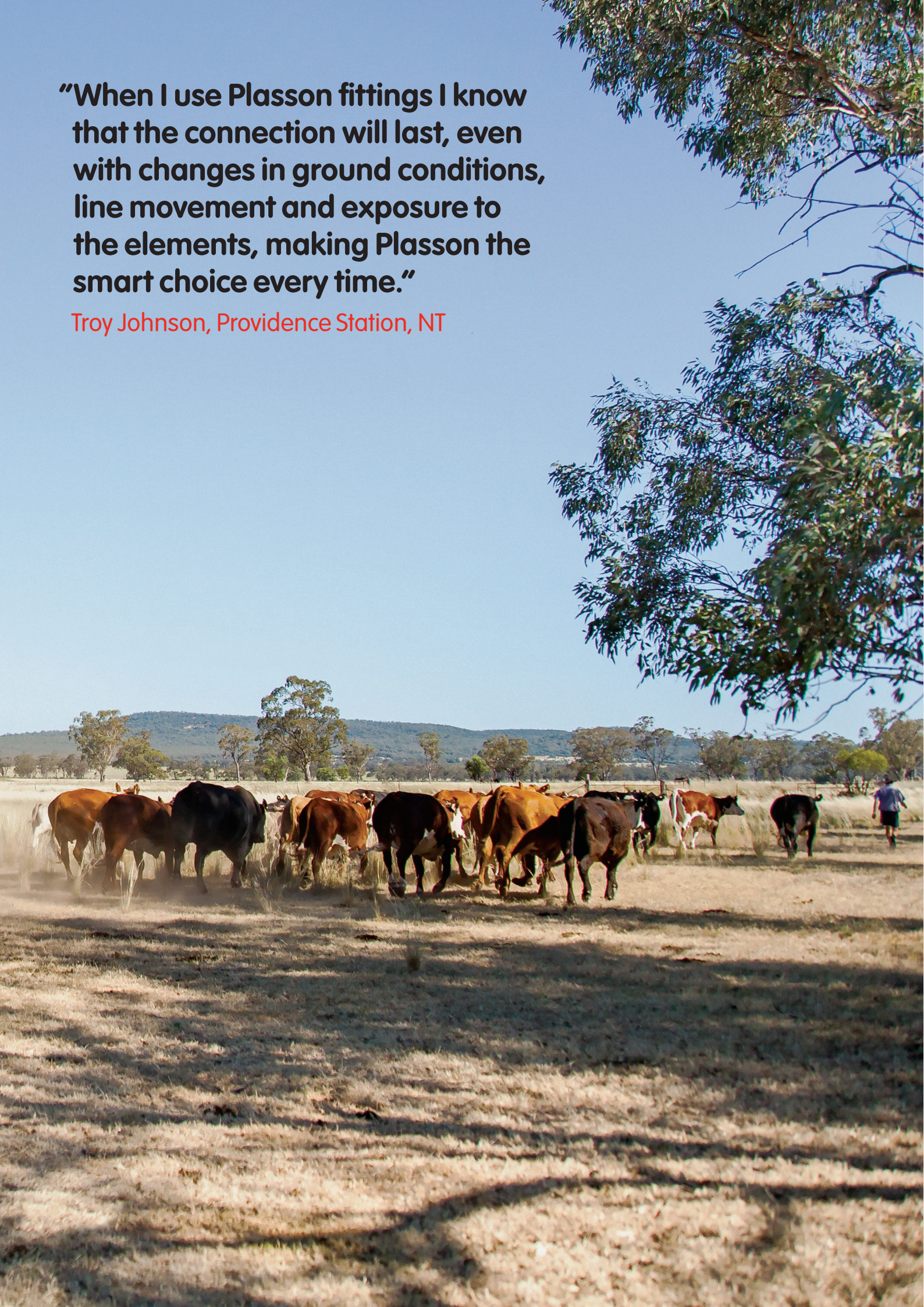


METRIC X RURAL			BAG QTY	CODE
25	x	3/4"	1	7990004
32	x	1"	1	7990005

For Metric Steel/PVC Adaptor/Repair Coupling - Thrusted and Unthrust go to page 47.

“When I use Plasson fittings I know that the connection will last, even with changes in ground conditions, line movement and exposure to the elements, making Plasson the smart choice every time.”

Troy Johnson, Providence Station, NT





BSP Threaded Fittings



BSP THREADED FITTINGS

5060 - THREADED NIPPLE



SIZE	BAG QTY	PN WATER	CODE
1/2" x 1/2"	10	16	5060001
3/4" x 3/4"	10	16	5060002
1" x 1"	10	16	5060003
1.1/4" x 1.1/4"	10	16	5060004
1.1/2" x 1.1/2"	5	16	5060005
2" x 2"	5	16	5060006

5060 - THREADED REDUCING NIPPLE



SIZE	BAG QTY	PN WATER	CODE
3/4" x 1/2"	10	16	5060007
1" x 1/2"	10	16	5060008
1" x 3/4"	10	16	5060009
1.1/4" x 1/2"	10	16	5060010
1.1/4" x 3/4"	10	16	5060011
1.1/4" x 1"	10	16	5060012
1.1/2" x 1/2"	5	16	5060013
1.1/2" x 3/4"	5	16	5060014
1.1/2" x 1"	5	16	5060015
1.1/2" x 1.1/4"	5	16	5060016
2" x 1/2"	5	16	5060017
2" x 3/4"	5	16	5060018
2" x 1"	5	16	5060019
2" x 1.1/4"	5	16	5060020
2" x 1.1/2"	5	16	5060021

5170 - THREADED PLUG



SIZE	BAG QTY	PN WATER	CODE
3/8"	10	16	5170001
1/2"	10	16	5170002
3/4"	10	16	5170003
1"	10	16	5170004
1.1/4"	10	16	5170005
1.1/2"	10	16	5170006
2"	10	16	5170007

5070 - THREADED CAP



SIZE	BAG QTY	PN WATER	CODE
1/2"	10	16	5070001
3/4"	10	16	5070002
1"	10	16	5070003
1.1/4"	10	10	5070004
1.1/2"	10	10	5070005
2"	5	10	5070006

BSP THREADED FITTINGS

5010 - THREADED SOCKET



SIZE	BAG QTY	PN WATER	CODE
1/2"	10	16	5010001
3/4"	10	16	5010002
1"	10	16	5010003
1.1/4"	10	10	5010004
1.1/2"	10	10	5010005
2"	5	10	5010006

5011 - THREADED SOCKET (STAINLESS STEEL REINFORCED)



SIZE	BAG QTY	PN WATER	CODE
1.1/4"	10	16	5011001
1.1/2"	10	16	5011002
2"	5	16	5011003

5110 - THREADED REDUCING SOCKET



SIZE	BAG QTY	PN WATER	CODE
3/4" x 1/2"	10	16	5110001

5050 - 90° THREADED ELBOW



SIZE	BAG QTY	PN WATER	CODE
1/2"	10	16	5050001
3/4"	10	16	5050002
1"	10	16	5050003
1.1/4"	10	10	5050004
1.1/2"	5	10	5050005
2"	5	10	5050006

5051 - 90° THREADED ELBOW (STAINLESS STEEL REINFORCED)



SIZE	BAG QTY	PN WATER	CODE
1.1/4"	10	16	5051001
1.1/2"	5	16	5051002
2"	5	16	5051003

5150 - 90° ELBOW WITH FEMALE-MALE THREADED



SIZE	BAG QTY	PN WATER	CODE
1/2" x 1/2"	10	16	5150001
3/4" x 3/4"	10	16	5150002
1" x 1"	10	16	5150003

BSP THREADED FITTINGS

5040 - THREADED TEE



SIZE	BAG QTY	PN WATER	CODE
1/2"	10	16	5040001
3/4"	10	16	5040002
1"	10	16	5040003
1.1/4"	5	10	5040006
1.1/2"	5	10	5040004
2"	5	10	5040005

5041 - THREADED TEE (STAINLESS STEEL REINFORCED)



SIZE	BAG QTY	PN WATER	CODE
1.1/4"	5	16	5041001
1.1/2"	5	16	5041002
2"	5	16	5041003

5160 - THREADED RISER



SIZE	BAG QTY	PN WATER	CODE
1/2" x 1/2" x 150mm long	10	16	5160001
3/4" x 1/2" x 112mm long	10	16	5160002
3/4" x 3/4" x 150mm long	10	16	5160003
1" x 1" x 150mm long	10	16	5160004
1.1/4" x 1.1/4" x 112mm long	5	16	5160005
1.1/2" x 1.1/4" x 150mm long	5	16	5160006
1.1/2" x 1.1/2" x 150mm long	5	16	5160007

5020 - THREADED REDUCING BUSH



SIZE	BAG QTY	PN WATER	CODE
3/4" x 1/2"	10	16	5020001
1" x 1/2"	10	16	5020002
1" x 3/4"	10	16	5020003
1.1/4" x 1/2"	10	16	5020004
1.1/4" x 3/4"	10	16	5020005
1.1/4" x 1"	10	16	5020006
1.1/2" x 1/2"	10	16	5020007
1.1/2" x 3/4"	10	16	5020008
1.1/2" x 1"	10	16	5020009
1.1/2" x 1.1/4"	10	10	5020010
2" x 1/2"	5	16	5020011
2" x 3/4"	5	16	5020012
2" x 1"	5	16	5020013
2" x 1.1/4"	5	10	5020014
2" x 1.1/2"	5	10	5020015
2.1/2" x 2"	5	10	5020016
3" x 1"	1	16	5020017
3" x 1.1/4"	1	10	5020018
3" x 1.1/2"	1	10	5020019
3" x 2"	1	10	5020020
3" x 2.1/2"	1	10	5020021
4" x 2"	1	10	5020022
4" x 3"	1	10	5020023

Plasson Threaded Fittings explained

Plasson threaded fittings are manufactured from Polypropylene for increased strength and enhanced chemical resistance.

Plasson's range of threaded fittings are certified to AS/NZS 4129 and hold both ISO Type 5 and WaterMark licenses.



Plasson threaded fittings are made to ISO 7.1 which is equivalent to Australian Standard AS ISO 7.1.

Male threads are tapered. Known as BSPT, these fittings are referred to as R threads in the standard.

Female threads are parallel. Known as BSPP, these fittings are referred to as Rp in the standard.

When these threads are screwed together, with the use of a jointing medium, typically Teflon thread tape, a seal is formed.



The enhanced stiffness of the Plasson Polypropylene threaded fittings ensures a good seal between the threads of the male and female parts.

In some applications products are designed with a BSP taper female thread, Rc, which is designed for sealing with a BSP taper male, R. Teflon tape or another jointing medium is required with this connection.

Other Thread Standards

Other thread types are found within Australia, usually in the hydraulic and gas industry.

The hydraulic industry often uses a "G" thread. While of similar form to the Rp thread, the "G" thread is designed to seal with an o-ring or washer.

NPT threads are often used in the Gas industry. The NPT thread has a thread angle of 55° compared with 60° of the BSP range of fittings. While it is common to interchange these threads it is not recommended.

METRIC THREAD SIZE	IMPERIAL THREAD SIZE
DN6	1/8"
DN8	1/4"
DN10	3/8"
DN15	1/2"
DN20	3/4"
DN25	1"
DN32	1.1/4"
DN40	1.1/2"
DN50	2"
DN65	2.1/2"
DN80	3"

8 FN16-1



Metric Compression Fittings





PLASSON.

BEST UNDER PRESSURE.

Tough Australian conditions mean you need a name you can rely on for your pipe fittings. Plasson fittings have proved to be the most reliable connection systems for poly pipelines in Australian conditions for over 40 years.

Conditions are never perfect, so Plasson's unique design features ensure that joints can be made and reused, even in the most demanding installation environments.

When you need the best and most reliable poly pipe jointing, use Plasson.

 **PLASSON**[®]
AUSTRALIA

METRIC COMPRESSION FITTINGS

7010 - METRIC COUPLING



160 COUPLER

METRIC	BAG QTY	PN WATER	CODE
16*	10	16	7010001
20	10	16	7010013
25	10	16	7010014
32	5	16	7010015
40	1	16	7010016
50	1	16	7010017
63	1	16	7010018
75	1	16	7010019
90	1	16	7010020
110	1	16	7010021
125	1	16	7010022
160	1	10	7010023

*Note: Coupler Rural/Metric

7015 - METRIC MINE - COUPLING



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7015001

7010 - METRIC COUPLING BODY



METRIC	BAG QTY	PN WATER	CODE
16	1	16	7010007
20	1	16	7010008
25	1	16	7010009
32	1	16	7010010
40	1	16	7010011
50	1	16	7011012
63*	1	16	7010024

Suits metric & rural fittings

*Metric only

7940 - METRIC MODULAR ADAPTOR FOR CLOSE/TIGHT ASSEMBLIES



METRIC	BAG QTY	PN WATER	CODE
20	10	16	7940001
25	10	16	7940002
32	5	16	7940003
40	1	16	7940004
50	1	16	7940005
63	1	16	7940006

1201 - METRIC PLASSCOM COUPLING



METRIC	BAG QTY	PN WATER	CODE
20	10	-	1201001
25	10	-	1201002
32	10	-	1201003
40	5	-	1201004
50	5	-	1201005
63	2	-	1201006

METRIC COMPRESSION FITTINGS

7610 - METRIC SLIP/REPAIR COUPLING



METRIC	BAG QTY	PN WATER	CODE
20	10	16	7610001
25	10	16	7610002
32	5	16	7610003
40	1	16	7610004
50	1	16	7610005
63	1	16	7610006
75	1	16	7610007
90	1	16	7610008
110	1	16	7610009
125	1	16	7610010
160	1	10	7610011

7615 - METRIC MINE - REPAIR COUPLING



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7615001

7110 - METRIC REDUCING COUPLING



METRIC X METRIC	BAG QTY	PN WATER	CODE
20 x 16	10	16	7110011
25 x 16	10	16	7110012
25 x 20	10	16	7110013
32 x 20	5	16	7110014
32 x 25	5	16	7110015
40 x 25	1	16	7110016
40 x 32	1	16	7110017
50 x 25	1	16	7110018
50 x 32	1	16	7110019
50 x 40	1	16	7110020
63 x 25	1	16	7110021
63 x 32	1	16	7110022
63 x 40	1	16	7110023
63 x 50	1	16	7110024
75 x 50	1	16	7110025
75 x 63	1	16	7110026
90 x 63	1	16	7110027
90 x 75	1	16	7110028
110 x 63	1	16	7110029
110 x 90	1	16	7110030

7115 - METRIC MINE - REDUCING COUPLING



METRIC X METRIC	BAG QTY	PN WATER	CODE
63 x 25	1	16	7115001
63 x 32	1	16	7115002
63 x 40	1	16	7115003
63 x 50	1	16	7115004
90 x 63	1	16	7115005
110 x 63	1	16	7110029

7017 - METRIC UNIVERSAL ADAPTOR



UNIVERSAL X METRIC			BAG QTY	PN WATER	CODE
15-22	x	25PE	1	16	7017001
20-27	x	25PE	1	16	7017002
20-27	x	32PE	1	16	7017003
27-35	x	25PE	1	16	7017004
27-35	x	32PE	1	16	7017005
35-50*	x	50PE	1	10	7017006

Note: Universal End connects to Steel, PVC, Copper, PE in OD size ranges shown.

*Suits 50mm Copper Pipe

7020 - METRIC MALE ADAPTOR



METRIC X BSP			BAG QTY	PN WATER	CODE
16	x	1/2"	10	16	7020001
16	x	3/4"	10	16	7020002
20	x	1/2"	10	16	7020021
20	x	3/4"	10	16	7020022
20	x	1"	10	16	7020023
25	x	1/2"	10	16	7020024
25	x	3/4"	10	16	7020025
25	x	1"	10	16	7020026
32	x	3/4"	5	16	7020027
32	x	1"	5	16	7020028
32	x	1.1/4"	5	16	7020029
32	x	1.1/2"	5	16	7020030
40	x	1"	1	16	7020031
40	x	1.1/4"	1	16	7020032
40	x	1.1/2"	1	16	7020033
40	x	2"	1	16	7020034
50	x	1"	1	16	7020035
50	x	1.1/4"	1	16	7020036
50	x	1.1/2"	1	16	7020037
50	x	2"	1	16	7020038
63	x	1.1/4"	1	16	7020039
63	x	1.1/2"	1	16	7020040
63	x	2"	1	16	7020041
63	x	2.1/2"	1	16	7020042
75	x	2"	1	16	7020043
75	x	2.1/2"	1	16	7020044
75	x	3"	1	16	7020045
90	x	2"	1	16	7020046
90	x	2.1/2"	1	16	7020047
90	x	3"	1	16	7020048
90	x	4"	1	16	7020049
110	x	2"	1	16	7020050
110	x	3"	1	16	7020051
110	x	4"	1	16	7020052

7025 - METRIC MINE - MALE ADAPTOR



METRIC X BSP			BAG QTY	PN WATER	CODE
63	x	1.1/4"	1	16	7025001
63	x	1.1/2"	1	16	7025002
63	x	2"	1	16	7025003
63	x	2.1/2"	1	16	7025004

FIX MANY LEAKS

with the **Plasson Universal Slip Repair Coupler**

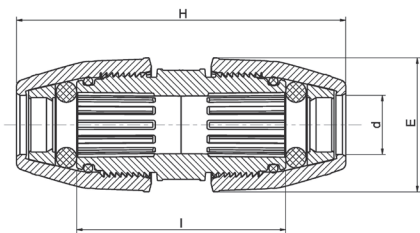


- ✓ Join and repair a wide range of plastic and metal pipes
- ✓ Connect different pipe materials
- ✓ Repair large holes and gaps - long insertion depth and body
- ✓ Repair in the ground with ease - no need to move pipe during tightening
- ✓ Easy slip repairs - zero insertion force
- ✓ Improve sealing performance on a great range of diameters, including old and damaged pipes - large main o-ring and unique secondary o-ring
- ✓ High strength quality materials
- ✓ Rated to PN16 for cold water applications

SUITABLE PIPE SIZES


FITTING DIAMETER (mm)	PE (S1/S2)		PE (S3)		PE (RURAL)		COPPER	
	DN	OD (mm)	DN	OD (mm)	DN	OD (mm)	DN	OD (mm)
14-18	16	16	10	15.9	-	-	-	-
19-22	20	20	15	21.6	19 (3/4")	22.2	20 (3/4")	19.0
24-28	25	25	20	26.8	-	-	25 (1")	25.4
31-35	32	32	25	33.4	-	-	32 (1.1/4")	31.5
40-43	40	40	32	42.3	40 (1.1/2")	42.8	-	-
48-51	50	50	40	48.3	-	-	50 (2")	50.8
60-64	63	63	50	60.4	-	-	65 (2.1/2")	63.5


DIMENSIONS





d - Diameter range (mm)	H	E	I
14-18	180	54	119
19-22	180	58	119
24-28	200	66	133
31-35	210	76	143
40-43	250	89	151
48-51	270	101	158
60-64	310	120	176

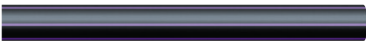
PIPE MATERIALS


 PEX


 PE (Potable Water)


 Galvanised Steel


 Copper

 PE (Recycled Water)

 CPVC

 PVC

 PE (Rural)

 ABS

7610 - UNIVERSAL SLIP REPAIR COUPLER



SIZE	BAG QTY	PN WATER	CODE
14-18	1	16	7610018
19-22	1	16	7610017
24-28	1	16	7610012
31-35	1	16	7610013
40-43	1	16	7610014
48-51	1	16	7610015
60-64	1	16	7610016

GALVANISED STEEL		PVC (AS1477 S1)		ABS		FITTING DIAMETER (mm)
DN	OD (mm)	DN	OD (mm)	DN	OD (mm)	
1/2" CTS	15.9	10	17.0	-	-	14-18
1/2"	21.3	15	21.2	15	21.4	19-22
3/4"	26.7	20	26.6	20	26.8	24-28
1"	33.4	25	33.4	25	33.6	31-35
1.1/4"	42.4	32	42.1	32	42.3	40-43
1.1/2"	48.3	40	48.1	40	48.3	48-51
2"	60.3	50	60.2	50	60.4	60-64

METRIC COMPRESSION FITTINGS

7250 - METRIC BARREL UNION ADAPTOR WITH MALE THREAD



METRIC	X	BSP	BAG QTY	PN WATER	CODE
25	x	1/2"	1	16	7250001
25	x	3/4"	1	16	7250002
32	x	1/2"	1	16	7250003
32	x	3/4"	1	16	7250004
32	x	1"	1	16	7250005
40	x	1"	1	16	7250006
40	x	1.1/4"	1	16	7250007
40	x	1.1/2"	1	16	7250008
50	x	1"	1	16	7250009
50	x	1.1/4"	1	16	7250010
50	x	1.1/2"	1	16	7250011
50	x	2"	1	16	7250012
63	x	1"	1	16	7250025
63	x	1.1/4"	1	16	7250026
63	x	1.1/2"	1	16	7250027
63	x	2"	1	16	7250028
63	x	2.1/2"	1	16	7250029
75	x	1.1/2"	1	12.5	7250030
75	x	2"	1	12.5	7250031
75	x	2.1/2"	1	12.5	7250032
75	x	3"	1	12.5	7250033

Why choose Plasson Compression Fittings?

Plasson Compression fittings offer solutions for connecting PE pipes, used for conveying water and other fluids in urban and inter-urban infrastructure, industrial, mining, landscape and farming applications and for carrying communication lines.

Plasson fittings are:

- ✓ Reliable
- ✓ Chemical resistant
- ✓ Abrasion resistant
- ✓ Impact resistant
- ✓ UV resistant
- ✓ Economical
- ✓ Reusable and simple to disassemble

Our Compression fittings do NOT require:

- ✗ Specialised equipment or tools
- ✗ Electrical power or heating

Temperature/Pressure Limits - Plasson Compression Fittings

Temperature (°C)	Max Service Pressure (Bar)	Expected Service Life (Years)
20	16.0	50
25	14.6	50
30	13.2	50
35	12.0	50
40	10.7	50
45	9.6	50
50	8.5	25

METRIC COMPRESSION FITTINGS

7030 - METRIC FEMALE ADAPTOR



METRIC X BSP			BAG QTY	PN WATER	CODE
16	x	1/2"	10	16	7030001
16	x	3/4"	10	16	7030002
20	x	1/2"	10	16	7030017
20	x	3/4"	10	16	7030018
20	x	1"	10	16	7030019
25	x	3/4"	10	16	7030020
25	x	1"	10	16	7030021
32	x	3/4"	5	16	7030022
32	x	1"	5	16	7030023
32	x	1.1/4"	5	16	7030024
40	x	1"	1	16	7030025
40	x	1.1/4"	1	16	7030026
40	x	1.1/2"	1	16	7030027
50	x	1.1/4"	1	16	7030028
50	x	1.1/2"	1	16	7030029
50	x	2"	1	16	7030030
63	x	1.1/4"	1	16	7030031
63	x	1.1/2"	1	16	7030032
63	x	2"	1	16	7030033
75	x	2"	1	16	7030034
75	x	2.1/2"	1	16	7030035
90	x	2"	1	16	7030036
90	x	3"	1	6.3	7030037
90	x	4"	1	6.3	7030038
110	x	3"	1	6.3	7030039
110	x	4"	1	6.3	7030040

7035 - METRIC MINE - FEMALE ADAPTOR



METRIC X BSP			BAG QTY	PN WATER	CODE
63	x	1.1/4"	1	16	7035001
63	x	1.1/2"	1	16	7035002
63	x	2"	1	16	7035003

7037 - METRIC FEMALE ADAPTOR WITH PARALLEL THREAD



METRIC X BSP			BAG QTY	PN WATER	CODE
25	x	3/4"	1	16	7037001
25	x	1"	1	16	7037002
32	x	1"	1	16	7037003

For connecting Male Parallel Threads - contains rubber seal in seat.

Note: All female threaded fittings 1.1/4" and above have a stainless steel retaining ring.

METRIC COMPRESSION FITTINGS

7050 - 90° METRIC ELBOW



160 elbow

METRIC	BAG QTY	PN WATER	CODE
16	10	16	7050001
20	10	16	7050007
25	10	16	7050008
32	5	16	7050009
40	1	16	7050010
50	1	16	7050011
63	1	16	7050012
75	1	16	7050013
90	1	16	7050014
110	1	16	7050015
160	1	10	7050016

7055 - 90° METRIC MINE - ELBOW



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7055001

7510 - 90° METRIC REDUCING ELBOW



METRIC X METRIC	BAG QTY	PN WATER	CODE
25 x 20	10	16	7510001

7057 - METRIC UNIVERSAL ELBOW



UNIVERSAL X METRIC	BAG QTY	PN WATER	CODE
15-22 x 25PE	1	16	7057001
20-27 x 25PE	1	16	7057002
27-35 x 25PE	1	16	7057003

Note: Universal end connects to Steel, PVC, Copper, PE in shown OD size ranges.

7350- 90° METRIC ELBOW ADAPTOR



METRIC X METRIC	BAG QTY	PN WATER	CODE
40 x 40 (spigot)	1	16	7350001
50 x 40 (spigot)	1	16	7350002
63 x 40 (spigot)	1	16	7350003
40 x 50 (spigot)	1	16	7350004
50 x 50 (spigot)	1	16	7350005
63 x 50 (spigot)	1	16	7350006

METRIC COMPRESSION FITTINGS

7850 - 90° METRIC MALE ELBOW



METRIC X BSP			BAG QTY	PN WATER	CODE
20	x	1/2"	10	16	7850016
20	x	3/4"	10	16	7850017
25	x	1/2"	10	16	7850018
25	x	3/4"	10	16	7850019
25	x	1"	10	16	7850020
32	x	3/4"	5	16	7850021
32	x	1"	5	16	7850022
32	x	1.1/4"	5	16	7850023
40	x	1"	1	16	7850024
40	x	1.1/4"	1	16	7850025
40	x	1.1/2"	1	16	7850026
50	x	1"	1	16	7850027
50	x	1.1/4"	1	16	7850028
50	x	1.1/2"	1	16	7850029
50	x	2"	1	16	7850030
63	x	1.1/4"	1	16	7850031
63	x	1.1/2"	1	16	7850032
63	x	2"	1	16	7850033
75	x	2.1/2"	1	16	7850034
75	x	3"	1	16	7850035
90	x	3"	1	16	7850036
110	x	4"	1	16	7850037

7855 - 90° METRIC MINE - MALE ELBOW



METRIC X BSP			BAG QTY	PN WATER	CODE
63	x	1.1/4"	1	16	7855001
63	x	1.1/2"	1	16	7855002
63	x	2"	1	16	7855003

METRIC COMPRESSION FITTINGS

7150 - 90° METRIC FEMALE ELBOW



METRIC X BSP			BAG QTY	PN WATER	CODE
16	x	1/2"	10	16	7150001
20	x	1/2"	10	16	7150018
20	x	3/4"	10	16	7150019
25	x	1/2"	10	16	7150020
25	x	3/4"	10	16	7150021
25	x	1"	10	16	7150022
32	x	3/4"	5	16	7150023
32	x	1"	5	16	7150024
32	x	1.1/4"	5	16	7150025
40	x	1"	1	16	7150026
40	x	1.1/4"	1	16	7150027
40	x	1.1/2"	1	16	7150028
40	x	2"	1	16	7150029
50	x	1"	1	16	7150030
50	x	1.1/4"	1	16	7150031
50	x	1.1/2"	1	16	7150032
50	x	2"	1	16	7150033
63	x	1.1/4"	1	16	7150034
63	x	1.1/2"	1	16	7150035
63	x	2"	1	16	7150036
75	x	2"	1	16	7150037
75	x	2.1/2"	1	16	7150038
75	x	3"	1	6.3	7150039

7155 - 90° METRIC MINE - FEMALE ELBOW



METRIC X BSP			BAG QTY	PN WATER	CODE
63	x	1.1/4"	1	16	7155001
63	x	1.1/2"	1	16	7155002
63	x	2"	1	16	7155003

7750 - METRIC WALLPLATE ELBOW



METRIC X BSP			BAG QTY	PN WATER	CODE
16	x	1/2"	1	16	7750001
20	x	1/2"	1	16	7750002
25	x	3/4"	1	16	7750003

7060 - 45° METRIC ELBOW



METRIC	BAG QTY	PN WATER	CODE
32	5	16	7060001
40	1	16	7060002
50	1	16	7060003
63	1	16	7060004
75	1	16	7060005
90	1	16	7060006
110	1	16	7060007

Note: All female threaded fittings 1.1/4" and above have a stainless steel retaining ring.

METRIC COMPRESSION FITTINGS

7065 - 45° METRIC MINE - ELBOW



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7065001

7450 - 45° METRIC MALE ELBOW



METRIC X BSP	BAG QTY	PN WATER	CODE
20 x 1/2"	10	16	7450001
20 x 3/4"	10	16	7450002

7040 - 90° METRIC TEE



160 Tee

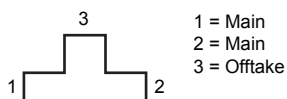
METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
16	16	16	10	16	7040001
20	20	20	10	16	7040007
25	25	25	5	16	7040008
32	32	32	5	16	7040009
40	40	40	1	16	7040010
50	50	50	1	16	7040011
63	63	63	1	16	7040012
75	75	75	1	16	7040013
90	90	90	1	16	7040014
110	110	110	1	16	7040015
160	160	160	1	10	7040016

7045 - METRIC MINE - TEE



METRIC 1	METRIC 2	METRIC 2	BAG QTY	PN WATER	CODE
63	63	63	1	16	7045001

7340 - 90° METRIC REDUCING TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
20	20	16	10	16	7340009
25	25	20	5	16	7340010
32	32	25	5	16	7340011
40	40	25	1	16	7340012
40	40	32	1	16	7340013
50	50	25	1	16	7340014
50	50	32	1	16	7340015
50	50	40	1	16	7340016
63	63	32	1	16	7340017
63	63	40	1	16	7340018
63	63	50	1	16	7340019
75	75	63	1	16	7340020
110	110	63	1	16	7340021

METRIC COMPRESSION FITTINGS

7345 - METRIC MINE - REDUCING TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
63	63	32	1	16	7345001
63	63	40	1	16	7345002
63	63	50	1	16	7345003
110	110	63	1	16	7340021

7740 - 90° METRIC INCREASING TEE



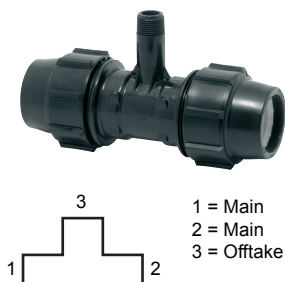
METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
25	25	32	5	16	7740001

7046 - 90° METRIC SLIP/REPAIR TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
20	20	20	10	16	7046001
25	25	25	5	16	7046002
32	32	32	5	16	7046003
40	40	40	1	12.5	7046004
50	50	50	1	12.5	7046005
63	63	63	1	12.5	7046006

7810 - 90° METRIC COUPLING - WITH RISER



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
40	40	3/4"	1	16	7810001
50	50	3/4"	1	16	7810002
50	50	1"	1	16	7810003
63	63	3/4"	1	16	7810004
63	63	1"	1	16	7810005
75	75	3/4"	1	16	7810006
75	75	1"	1	16	7810007

METRIC COMPRESSION FITTINGS

7840 - 90° METRIC TEE - WITH THREADED MALE OFFTAKE



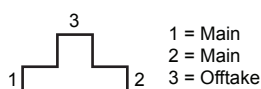
METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
20	20	1/2"	10	16	7840010
20	20	3/4"	10	16	7840011
25	25	1/2"	5	16	7840012
25	25	3/4"	5	16	7840013
32	32	1"	5	16	7840014
40	40	1.1/4"	1	16	7840015
40	40	1.1/2"	1	16	7840016
50	50	1.1/4"	1	16	7840017
50	50	1.1/2"	1	16	7840018
50	50	2"	1	16	7840019
63	63	1.1/4"	1	16	7840020
63	63	1.1/2"	1	16	7840021
63	63	2"	1	16	7840022

7845 - 90° METRIC MINE - TEE MALE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
63	63	1.1/4"	1	16	7845001
63	63	1.1/2"	1	16	7845002
63	63	2"	1	16	7845003

7140 - 90° METRIC TEE - WITH THREADED FEMALE OFFTAKE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
16	16	1/2"	10	16	7140001
16	16	3/4"	10	16	7140002
20	20	1/2"	10	16	7140021
20	20	3/4"	10	16	7140022
25	25	1/2"	5	16	7140023
25	25	3/4"	5	16	7140024
25	25	1"	5	16	7140025
25	25	1.1/4"	5	16	7140026
32	32	3/4"	5	16	7140027
32	32	1"	5	16	7140028
32	32	1.1/4"	5	16	7140029
32	32	1.1/2"	5	16	7140030
40	40	1"	1	16	7140031
40	40	1.1/4"	1	16	7140032
40	40	1.1/2"	1	16	7140033
40	40	2"	1	16	7140034
50	50	1.1/2"	1	16	7140035
50	50	2"	1	16	7140036
63	63	1.1/4"	1	16	7140037
63	63	1.1/2"	1	16	7140038
63	63	2"	1	16	7140039
75	75	2"	1	16	7140040
75	75	2.1/2"	1	16	7140041
75	75	3"	1	6.3	7140042
90	90	3"	1	6.3	7140043
110	110	4"	1	6.3	7140044

Note: All female threaded fittings 1.1/4" and above have a stainless steel retaining ring.

METRIC COMPRESSION FITTINGS

7145 - 90° METRIC MINE - TEE FEMALE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
63	63	1.1/4"	1	16	7145001
63	63	1.1/2"	1	16	7145002
63	63	2"	1	16	7145003

7146 - 90° METRIC SLIP TEE - WITH THREADED FEMALE OFFTAKE

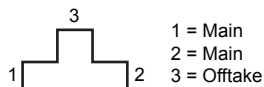


METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
40	40	1"	1	12.5	7146001
50	50	1.1/2"	1	12.5	7146002
63	63	1.1/4"	1	12.5	7146003

7146 - 90° METRIC REDUCING TEE - WITH THREADED FEMALE OFFTAKE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
20	16	3/4"	10	16	7146004
25	20	3/4"	5	16	7146005
32	25	1"	5	16	7146006



7640 - 45° METRIC TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
63	63	63	1	8	7640001
75	75	75	1	8	7640002
90	90	90	1	8	7640003
110	110	110	1	8	7640004

7550 - METRIC MALE Y FITTING



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
16	16	3/4"	1	16	7550001
20	20	3/4"	1	16	7550002
25	25	3/4"	1	16	7550003

Note: All female threaded fittings 1.1/4" and above have a stainless steel retaining ring.

METRIC COMPRESSION FITTINGS

7540 - METRIC CROSS - WITH THREADED FEMALE OFFTAKE



METRIC	BAG QTY	PN WATER	CODE
20 x 3/4"	1	16	7540001

7120 - METRIC END PLUG



METRIC	BAG QTY	PN WATER	CODE
20	10	16	7120010
25	10	16	7120011
32	5	16	7120012
40	1	16	7120013
50	1	16	7120014
63	1	16	7120015
75	1	16	7120016
90	1	16	7120017
110	1	16	7120018

7125 - METRIC MINE - END PLUG



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7125001

7120 - METRIC BLANKING PLUG - OUTLET SEAL



METRIC	BAG QTY	PN WATER	CODE
20	10	12.5	7120005
25	10	12.5	7120006
32	10	12.5	7120007
40	10	12.5	7120008
50	10	12.5	7120009
63	10	12.5	7120024

METRIC COMPRESSION FITTINGS

7220 - METRIC FLANGED COUPLING WITH METAL BACKING FLANGE



METRIC X ISO FLANGE*			BAG QTY	PN WATER	CODE
50	x	1.1/2" ISO	1	16	7220001
50	x	2" ISO	1	16	7220002
63	x	2" ISO	1	16	7220003
63*	x	2" ISO	1	16	7225001
75	x	2.1/2" ISO	1	16	7220004
90	x	4" ISO	1	16	7220005
110	x	4" ISO	1	16	7220006
125	x	5" ISO	1	12.5	7220007
125	x	6" ISO	1	12.5	7220008
160	x	5" ISO	1	10	7220009
160	x	6" ISO	1	10	7220010

Use M 16 bolts with 6" flanges.

See page 43 for ISO flange dimensions and equivalent Australian Standard Flanges.

*Mine fitting

7225 - METRIC MINE - FLANGED COUPLING



METRIC X ISO FLANGE			BAG QTY	PN WATER	CODE
63	x	2" ISO	1	16	7225001

See page 43 for ISO flange dimensions and equivalent Australian Standard Flanges.

7230 - METRIC FLANGED APARTOR WITH METAL BACKING FLANGE



METRIC X ISO FLANGE			BAG QTY	PN WATER	CODE
50	x	1.1/2" ISO	1	16	7230001
50	x	2" ISO	1	16	7230002
63	x	2" ISO	1	16	7230003
63	x	2.1/2" ISO	1	16	7230004
75	x	2" ISO	1	16	7230005
75	x	2.1/2" ISO	1	16	7230006
90	x	2.1/2" ISO	1	16	7230007
90	x	4" ISO	1	16	7230008
110	x	4" ISO	1	16	7230009
110	x	5" ISO	1	16	7230010
160	x	5" ISO	1	16	7230011
160	x	6" ISO	1	16	7230012

Use M 16 bolts with 6" flanges.

See page 43 for ISO Flange dimensions and equivalent Australian Standard Flanges.

7226 - METRIC REDUCED COMPRESSION FLANGE



METRIC X ISO FLANGE			BAG QTY	PN WATER	CODE
63	x	4" ISO	1	16	7226001

See page 43 for ISO flange dimensions and equivalent Australian Standard Flanges.

METRIC COMPRESSION FITTINGS

7006 - METAL BACKING FLANGE FOR FLANGED COUPLING



Galvanized via electroplating then protected with a proprietary passivation process.

METRIC X ISO FLANGE			BAG QTY	PN WATER	CODE
50	x	1.1/2" ISO	1	-	7006001
50	x	2" ISO	1	-	7006002
63	x	2" ISO	1	-	7006003
63	x	2.1/2" ISO	1	-	7006004
75	x	2.1/2" ISO	1	-	7006005
90	x	4" ISO	1	-	7006006
110	x	4" ISO	1	-	7006007
110	x	5" ISO	1	-	7006008
125	x	5" ISO	1	-	7006009
125	x	6" ISO	1	-	7006010

ISO FLANGES TO EN1092-1 PN16

Similar Australian Standard flanges can be bolted to EN1092-1 PN16 flanges, based on PCD, # holes and Ø holes. It is the user's responsibility to ensure suitability of these arrangements.

Other backing flanges are available. See page 176-188 for details.

ISO						SIMILAR FLANGE	
ISO SIZE	OD	PCD	# HOLES	Ø HOLES	THICKNESS	DESCRIPTION	CODE
1.1/2"	150	110	4	18	18	2" TABLE E AS2129	8900036 8910036
2"	165	125	4	18	20	2.1/2" TABLE E AS2129	8900037 8910037
2.1/2"	185	145	8	18	20	3" TABLE E AS2129	8900038 8910038
4"	220	180	8	18	22	4" TABLE E AS2129	8900039 8910039
5"	250	210	8	18	22	5" TABLE E AS2129	8900041 8910041
6"	285	240	8	22	24	6" TABLE E AS2129	8900043 8910043

7930 - METRIC REDUCING SET



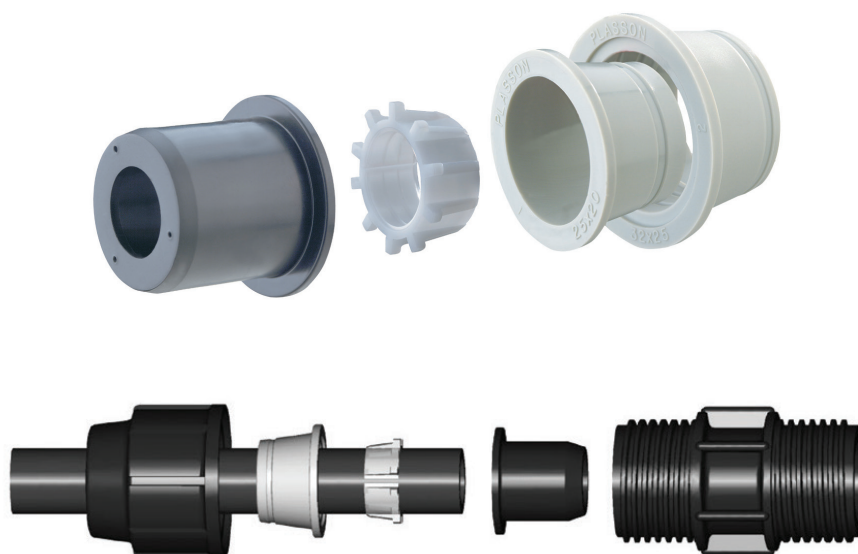
METRIC X METRIC			BAG QTY	PN WATER	CODE
25	x	20	1	16	7930001
32	x	20	1	16	7930002
32	x	25	1	16	7930003
40	x	20	1	16	7930004
40	x	25	1	16	7930005
40	x	32	1	16	7930006
50	x	25	1	16	7930007
50	x	32	1	16	7930008
50	x	40*	1	16	7930009
63	x	25*	1	16	7930010
63	x	32*	1	16	7930011
63	x	40*	1	16	7930012
63	x	50*	1	16	7930013
110	x	63*	1	16	7930014

To make reductions from one pipe size to another; fits any compression end.

*Suitable mine solution

Reducing Sets

Flexible solutions for PE pipe connections



Reduce your metric connections in only one fitting length with the Plasson reducing sets. Available in the 110mm to 20mm range, these compact reduction sets increase the flexibility of your existing fittings whilst maintaining pressure ratings and eliminating leak risk.

- ✓ Increase flexibility of existing fittings – convert tees or elbows to another size
- ✓ Reduction without threads – eliminate leak risk and maintain pressure rating
- ✓ Utilises the Plasson Captive O-Ring system – no movement and high compression
- ✓ Increase stock efficiency – flexibility of sizing means adapt ability of stock holdings
- ✓ Secure individual packaging
- ✓ Poly to Copper adaptor kits available
- ✓ Specialised mining solutions

METRIC COMPRESSION FITTINGS

7320 - METRIC SHOULDERED ADAPTOR



METRIC X SHOULDERED			BAG QTY	PN WATER	CODE
50	x	2"	1	16	7320001
63	x	2"	1	16	7325001
90	x	4"	1	16	7320002
110	x	4"	1	16	7320003
160	x	6"	1	10	7320004

WARNING

Check shouldered coupling suitability for use with Plasson shouldered adaptors with the coupling manufacturer. Victaulic® style SC77 couplings are not suitable for use with Plasson shouldered adaptors.

7113 - METRIC POLY TO COPPER CONNECTOR



METRIC X CU			BAG QTY	PN WATER	CODE
16	x	15	1	16	7113001
16	x	20	1	16	7113002
20	x	15	1	16	7113003
20	x	20	1	16	7113004
25	x	15	1	16	7113005
25	x	20	1	16	7113006
25	x	25	1	16	7113007
32	x	20	1	16	7113008
32	x	25	1	16	7113009

Note: If the fitting is to be re-used then a new SS split ring must be inserted.

7043 - METRIC POLY TO COPPER TEE



METRIC X CU			BAG QTY	PN WATER	CODE
20	x	15	1	16	7043001
25	x	15	1	16	7043002
25	x	20	1	16	7043003
25	x	25	1	16	7043004
32	x	25	1	16	7043005

Note: If the fitting is to be re-used then a new SS split ring must be inserted.

METRIC COMPRESSION FITTINGS

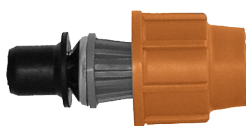
7056 - METRIC POLY TO COPPER ELBOW



METRIC X CU	BAG QTY	PN WATER	CODE
20 x 15	1	16	7056001
20 x 20	1	16	7056002
25 x 15	1	16	7056003
25 x 20	1	16	7056004
25 x 25	1	16	7056005

Note: If the fitting is to be re-used then a new SS split ring must be inserted.

7439 - METRIC POLY TO COPPER KIT



METRIC X CU	BAG QTY	PN WATER	CODE
20 x 15	1	16	7439001
25 x 20	1	16	7439002
25 x 25	1	16	7439003

15 NB Copper Kit fits any 20mm Plasson end. 20 & 25 NB Copper Kit fits any 25mm Plasson end.
The 15 & 20 NB Kit contains copper coloured nut, rubber liner, SS Ring and copper coloured cone.
The 25 kit contains copper coloured nut, SS ring and coloured cone - rubber liner NOT required.

3408 - METRIC POLY TO COPPER STOPCOCK



METRIC X CU	BAG QTY	PN WATER	CODE
20 x 15	1	12.5	3408001
25 x 20	1	12.5	3408002

7438 - METRIC STAINLESS STEEL RING FOR POLY TO COPPER CONNECTOR



CU	BAG QTY	PN WATER	CODE
15 (1/2")	1	-	7438001
20 (3/4")	1	-	7438002
25 (1")	1	-	7438003

7970 - METRIC STAINLESS STEEL RING FOR POLYPROPYLENE PIPE



METRIC	BAG QTY	PN WATER	CODE
20	1	-	7970001
25	1	-	7970002
32	1	-	7970003
40	1	-	7970004
50	1	-	7970005
63	1	-	7970006

7112 - METRIC POLY TO POLYBUTYLENE CONNECTOR



PE X PB	BAG QTY	PN WATER	CODE
25 x 18	10	-	7112001
25 x 22	10	-	7112002

METRIC COMPRESSION FITTINGS

7435 - METRIC POLY TO POLYBUTYLENE KIT



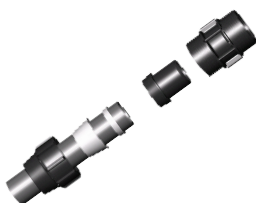
PE x PB	BAG QTY	PN WATER	CODE
25 x 22	10	-	7435001

7016 - METRIC POLY TO PVC CONNECTOR



METRIC X PVC	BAG QTY	PN WATER	CODE
63PE x 50 (2") PVC	1	16	7016001
110PE x 100 (4") PVC	1	16	7016002

7890 - METRIC STEEL/PVC ADAPTOR/REPAIR COUPLING - THRUSTED



SIZE	BAG QTY	CODE
1" / 25	1	Fits 40mm Plasson Fitt 7890001
1.1/4" / 32	1	Fits 50mm Plasson Fitt 7890002
1.1/2" / 40	1	Fits 50mm Plasson Fitt 7890003
2" / 50	1	Fits 63mm Plasson Fitt 7890004

PE to Steel/PVC Adaptor - (Thrusted: for pipe which is not secure - includes SS Split Ring & Cone to grip onto pipe).
 Go to page 189 for complete assembly instructions.

7890 - METRIC STEEL/PVC ADAPTOR/REPAIR COUPLING - UNTHRUSTED



SIZE	BAG QTY	CODE
25 / 1"	1	Fits 40mm Plasson Fitt 7890005
32 / 1.1/4"	1	Fits 50mm Plasson Fitt 7890006
40 / 1.1/2"	1	Fits 50mm Plasson Fitt 7890007
50 / 2"	1	Fits 63mm Plasson Fitt 7890008

PE to Steel/PVC Adaptor - (Unthrusted: for pipe which is secured - does not require thrusting)
 Go to page 201 for complete assembly instructions.

7004 - METRIC BLACK METRIC NUT - PP



METRIC	BAG QTY	PN WATER	CODE
16	1	-	7004001
20	1	-	7004002
25	1	-	7004003
32	1	-	7004004
40	1	-	7004005
50	1	-	7004006
63	1	-	7004007
75	1	-	7004008
90	1	-	7004009
110	1	-	7004010
125	1	-	7004011

7004 - METRIC LILAC METRIC NUT - PP



METRIC	BAG QTY	PN WATER	CODE
20	1	-	7004012
25	1	-	7004013
32	1	-	7004014
40	1	-	7004015
50	1	-	7004016
63	1	-	7004017

METRIC COMPRESSION FITTINGS

7002 - METRIC O-RING



METRIC	BAG QTY	CODE	CODE	CODE
		NITRILE NBR	EPDM+*	VITON FPM+**
16	100	7002001	7002013	3050003
20	100	7002002	7002014	7002023
25	100	7002003	7002015	7002024
32	100	7002004	7002016	7002025
40!	20	7002032	7002035	7002038
50!	20	7002033	7002036	7002039
63!	20	7002034	7002037	7002040
75	10	7002008	7002020	7002029
90	10	7002009	7002021	7002030
110	10	7002010	7002022	7002031
125	10	7002011	-	-
160	10	7002012	-	-

!For fittings supplied before January 2003, check seal shape.

*Better chemical resistance than NBR.

**Better chemical resistance than EPDM.

+When these rings are used, the use of CPVC split rings will usually be required.

7002 - METRIC O-RING FOR FITTINGS SUPPLIED BEFORE JAN 2003



METRIC	BAG QTY	CODE	CODE	CODE
		NITRILE NBR	EPDM+*	VITON FPM+**
40	20	7002005	7002017	7002026
50	20	7002006	7002018	7002027
63 (1)	20	7002007	7002019	7002028

*Better chemical resistance than NBR.

(1) Note 63 mine fittings use this ring.

**Better chemical resistance than EPDM.

+When these rings are used, the use of CPVC split rings will usually be required.

For fittings supplied after January 2003, check seal shape.



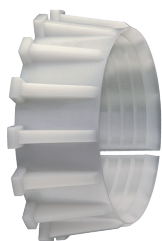
DID YOU KNOW?

The captive o-ring on a Plasson fitting is not susceptible to falling out as with other fittings.

A seal is created when the pipe or insert is pushed past the o-ring eliminating the need for excessive tightening. On fittings up to 32mm, simply hand tighten the Plasson nut for a completely leak-free system. On fittings 40mm and above, hand tighten plus 1/2 turn with wrenches.

METRIC COMPRESSION FITTINGS

7003 - METRIC SPLIT RING



METRIC	BAG QTY	7003* ACETAL (POM)	7008** C-PVC
16	1	7003004	7003015
20	1	7003005	7003016
25	1	7003006	7003017
32	1	7003007	7003018
40	1	7003008	7003019
50	1	7003009	7003020
63	1	7003010	7003021
75	1	7003011	7003022
90	1	7003012	7003023
110	1	7003013	7003024
125	1	7003014	

*Standard Acetal split ring supplied with fittings - milky white colour.

**Used in place of Acetal in acid or aggressive chemical environments - yellow/brown colour.

7005 - METRIC POLYPROPYLENE INSERTS FOR METRIC FITTINGS



METRIC	BAG QTY	PN WATER	CODE
63	1	-	1400001
75	1	-	7005006
90	1	-	7005007
110	1	-	7005008
125 (lower)	1	-	7005009
125 (upper)	1	-	7005010

7980 - METRIC CONVERSION KIT - METRIC TO RURAL



METRIC X RURAL	BAG QTY	PN WATER	CODE
20 x 3/4"	1	6	7980006
25 x 1"	1	6	7980007
32 x 1.1/4"	1	6	7980008
40 x 1.1/2"	1	6	7980009
50 x 2"	1	6	7980010

7980 - METRIC CONVERSION KIT - RURAL TO METRIC



RURAL X METRIC	BAG QTY	PN WATER	CODE
3/4" x 20	1	6	7980001
1" x 25	1	6	7980002
1.1/4" x 32	1	6	7980003
1.1/2" x 40	1	6	7980004
2" x 50	1	6	7980005

METRIC COMPRESSION FITTINGS

7990 - METRIC CONVERSION KIT - METRIC TO IMPERIAL "C"



METRIC X RURAL			BAG QTY	PN WATER	CODE
32	x	1"	1	9	7990001
40	x	1.1/4"	1	9	7990002
50	x	1.1/2"	1	9	7990003

7990 - CONVERSION KIT - METRIC TO IMPERIAL "D"



METRIC X RURAL			BAG QTY	PN WATER	CODE
25	x	3/4"	1	12	7990004
32	x	1"	1	12	7990005

7990 - METRIC WRENCH



METRIC X LENGTH			BAG QTY	PN WATER	CODE
16	x	40	5	-	7990006
40	x	75	1	-	7990007
63	x	125	1	-	7990008

For closing and tightening the PP nuts of Plasson fittings.

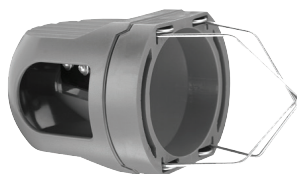
It is important when closing the nut on Plasson fittings that the nut is NOT OVER-TIGHTENED as the nut can be deformed - this may result in a pipe blowing or pulling out of a fitting.

On fittings up to and including 32mm, firmly hand tighten only.

On fittings 40mm and above, hand tightens plus 1/2 turn with wrenches.

For rural 1/2"-2" and metric 16-32mm a wrench is not needed. Firmly hand tighten.

7960 - METRIC CHAMFER TOOL - FOR PE PIPES



SIZE	BAG QTY	PN WATER	CODE
20 - 63	1	-	7960001
Blade for Chamfer Tool	1	-	7960002

For overall pipe diameters from 20-63mm.

Operates like a pencil sharpener. Chamfering and lubricating pipes from 40-63mm, eases force needed during insertion.

2004 - PIPE CUTTING



SECATEUR PIPE CUTTER	CODE
Pipe Cutter up to 63mm (Single Hand)	2004001

Go to page 115 for a complete list of Plasson tooling products

MINE FITTINGS (ALSO FOR GENERAL USE)



NEW PRODUCT
FIXED RATIO PRESSURE REDUCING VALVE
For more information go to page 66

7015 - METRIC MINE - COUPLING



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7015001

7615 - METRIC MINE - REPAIR COUPLING



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7615001

7115 - METRIC MINE - REDUCING COUPLING



METRIC	BAG QTY	PN WATER	CODE
63 x 25	1	16	7115001
63 x 32	1	16	7115002
63 x 40	1	16	7115003
63 x 50	1	16	7115004
90 x 63	1	16	7115005
110 x 63	1	16	7110029

7025 - METRIC MINE - MALE ADAPTOR



METRIC X METRIC	BAG QTY	PN WATER	CODE
63 x 1.1/4"	1	16	7025001
63 x 1.1/2"	1	16	7025002
63 x 2"	1	16	7025003
63 x 2.1/2"	1	16	7025004

7035 - METRIC MINE - FEMALE ADAPTOR



METRIC X BSP	BAG QTY	PN WATER	CODE
63 x 1.1/4"	1	16	7035001
63 x 1.1/2"	1	16	7035002
63 x 2"	1	16	7035003

7325 - METRIC MINE - SHOULDERED ADAPTOR



METRIC X SHOULDERED	BAG QTY	PN WATER	CODE
63 x 2"	1	16	7325001

WARNING

Check shouldered coupling suitability for use with Plasson shouldered adaptors with the coupling manufacturer. Victaulic® style SC77 couplings are not suitable for use with Plasson shouldered adaptors.

MINE FITTINGS (ALSO FOR GENERAL USE)

7055 - 90° METRIC MINE - ELBOW



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7055001

7855 - 90° METRIC MINE - ELBOW MALE



METRIC X BSP	BAG QTY	PN WATER	CODE
63 x 1.1/4"	1	16	7855001
63 x 1.1/2"	1	16	7855002
63 x 2"	1	16	7855003

7155 - 90° METRIC MINE - ELBOW FEMALE



METRIC X BSP	BAG QTY	PN WATER	CODE
63 x 1.1/4"	1	16	7155001
63 x 1.1/2"	1	16	7155002
63 x 2"	1	16	7155003

7065 - 45° METRIC MINE - ELBOW



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7065001

7045 - METRIC MINE - TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
63	63	63	1	16	7045001

7046 - METRIC MINE - SLIP/REPAIR TEE

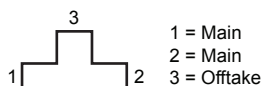


METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
63	63	63	1	16	7046007

7345 - METRIC MINE - REDUCING TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE
63	63	32	1	16	7345001
63	63	40	1	16	7345002
63	63	50	1	16	7345003
110	110	63	1	16	7340021



MINE FITTINGS (ALSO FOR GENERAL USE)

7845 - 90° METRIC MINE - TEE MALE

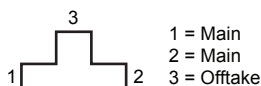


METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
63	63	1.1/4"	1	16	7845001
63	63	1.1/2"	1	16	7845002
63	63	2"	1	16	7845003

7145 - 90° METRIC MINE - TEE FEMALE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE
63	63	1.1/4"	1	16	7145001
63	63	1.1/2"	1	16	7145002
63	63	2"	1	16	7145003



7125 - METRIC MINE - END PLUG



METRIC	BAG QTY	PN WATER	CODE
63	1	16	7125001

7225 - METRIC MINE - FLANGED COUPLING



METRIC	BAG QTY	PN WATER	CODE
63 x 2" ISO	1	16	7225001

7930 - METRIC MINE - REDUCING SET



METRIC X METRIC	BAG QTY	PN WATER	CODE
63 x 25	1	16	7930010
63 x 32	1	16	7930011
63 x 40	1	16	7930012
63 x 50	1	16	7930013
110 x 63	1	16	7930014

To make reductions from one pipe size to another; fits any compression end.

1400 - METRIC POLYPROPYLENE INSERTS FOR METRIC FITTINGS



METRIC	BAG QTY	PN WATER	CODE
63	1	-	1400001
75	1	-	7005006
90	1	-	7005007
110	1	-	7005008
125 (lower)	1	-	7005009
125 (upper)	1	-	7005010



Tapping Saddles



TAPPING SADDLES

SADDLE PIPE SIZE SELECTION

PIPE TYPE	NOMINAL SADDLE SIZE											
	20	25	32	40	50	63	75	90	110	125	140	160
Metric Poly	20	25	32	40	50	63	75	90	110	125	140	160
Rural Poly	19 (3/4")	25 (1")	32 (1.1/4")	40 (1.1/2")	50 (2")	-	-	-	-	-	-	-
PVC AS1477	15	20	25	32	40	50	65	80	100	-	125	150

SADDLE PRESSURE RATINGS

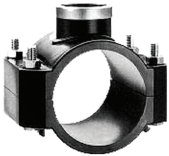
PIPE SIZE (mm)	POLYETHYLENE METRIC PIPE BSP OUTLET SIZE						POLYETHYLENE RURAL PIPE	PVC PRESSURE AS1477 PIPE
	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"		
20-50	12.5	12.5	12.5	12.5			All PN10	All PN9 except 40-50mm =PN6.3
63	16	16	12.5	12.5	12.5			
75-180	12.5	12.5	10	10	10	10		

1602 - RURAL TAPPING SADDLE



				GALVANISED BOLTS	STAINLESS STEEL BOLTS
SIZE				CODE	CODE
50 (2")	x	1/2"	Rural Only	1607010	1607118
50 (2")	x	3/4"	Rural Only	1602001	1602003
50 (2")	x	1"	Rural Only	1602002	1602004

1607 - TAPPING SADDLE FOR METRIC & RURAL 20-50mm WITH S/STEEL REINFORCING RING



				GALVANISED BOLTS	STAINLESS STEEL BOLTS
METRIC (RURAL) X BSP				No. OF BOLTS	CODE
20 (3/4")	x	1/2"	Metric & Rural (Long Bolts)	2	1607001
25 (1")	x	1/2"	Metric & Rural (Long Bolts)	2	1607002
25 (1")	x	3/4"	Metric & Rural (Long Bolts)	2	1607003
32 (1.1/4")	x	1/2"	Metric & Rural (Long Bolts)	2	1607004
32 (1.1/4")	x	3/4"	Metric & Rural (Long Bolts)	2	1607005
32 (1.1/4")	x	1"	Metric & Rural (Long Bolts)	2	1607006
40 (1.1/2")	x	1/2"	Metric & Rural (Long Bolts)	2	1607007
40 (1.1/2")	x	3/4"	Metric & Rural (Long Bolts)	2	1607008
40 (1.1/2")	x	1"	Metric & Rural (Long Bolts)	2	1607009
50 (2")	x	1.1/4"	Metric & Rural (Long Bolts)	2	1607011

Bolts galvanized via electroplating then protected with a proprietary passivation process.

Tapping Saddles

Flexible and long-term performance on poly pipe



Plasson offers the largest range of rural and metric tapping saddles in Australia.

Designed for tough conditions, our saddles are easy to assemble and provide a simple way to make threaded connections to new or existing pipelines.

The metric range also suits PVC pipe.

Features

- ✓ Available for Rural (up to 2") and Metric pipes (up to 180mm)
- ✓ Metric Poly Saddles also suit AS1477 PVC pipe
- ✓ Rural Poly Saddles also suit Metric pipes up to DN50
- ✓ Robust polypropylene body for increased resistance
- ✓ Available with Galv* Chromate passivation bolts or stainless steel bolts for enhanced corrosion resistance
- ✓ Sealing: O-ring made of NBR rubber to handle variations in pipe size
- ✓ Pressure Rating up to PN16

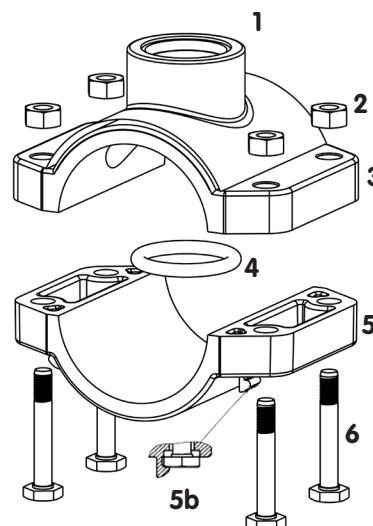
Quick and Easy Assembly:

Saddles are supplied with 2, 4 or 6 bolts depending on PE pipe diameter.

Standard nuts and bolts supplied are galvanized via electroplating then protected with a proprietary passivation process.

Saddles with stainless steel nuts and bolts are available for chemically aggressive environments (e.g. buried).

1. Select point for branch off-take, clean the pipe off mud etc. and ensure easy access to the pipe. Place upper part of the saddle (3), with the O-ring (4) inserted into its groove, on to the pipe with the branch outlet in its final position.
2. Insert bolts (6) through the lower part of the saddle (5) and ensure that they are locked using the clip (5b). Locate the upper part of the saddle (3) on to the bolts, fit the nuts (2) and tighten the whole assembly until fully locked.
3. Drill through the pipe wall with a boring tool – a hole saw is recommended. Be sure not to use boring tools, which could deform the pipe wall and cause leaks under the O-ring seal. Special feature (5b) – the retaining clip holds the bolt head in place to facilitate assembly and prevent loss of the unassembled bolt.



TAPPING SADDLES

1607 - TAPPING SADDLE FOR METRIC 50-180mm WITH S/STEEL REINFORCING RING & GALV.* BOLTS



METRIC X BSP			No. OF BOLTS	CODE
50	x	3/4"	2	1607012
50	x	1"	2	1607013
50	x	1.1/4"	2	1607014
63	x	1/2"	4	1607015
63	x	3/4"	4	1607016
63	x	1"	4	1607017
63	x	1.1/4"	4	1607018
63	x	1.1/2"	4	1607019
75	x	1/2"	4	1607020
75	x	3/4"	4	1607021
75	x	1"	4	1607022
75	x	1.1/4"	4	1607023
75	x	1.1/2"	4	1607024
75	x	2"	4	1607025
90	x	1/2"	4	1607026
90	x	3/4"	4	1607027
90	x	1"	4	1607028
90	x	1.1/4"	4	1607029
90	x	1.1/2"	4	1607030
90	x	2"	4	1607031
110	x	1/2"	4	1607032
110	x	3/4"	4	1607033
110	x	1"	4	1607034
110	x	1.1/4"	4	1607035
110	x	1.1/2"	4	1607036
110	x	2"	4	1607037
125	x	3/4"	6	1607038
125	x	1"	6	1607039
125	x	1.1/4"	6	1607040
125	x	1.1/2"	6	1607041
125	x	2"	6	1607042
140	x	1"	6	1607043
140	x	1.1/4"	6	1607044
140	x	1.1/2"	6	1607045
140	x	2"	6	1607046
160	x	1"	6	1607047
160	x	1.1/4"	6	1607048
160	x	1.1/2"	6	1607049
160	x	2"	6	1607050
180	x	1"	6	1607051
180	x	1.1/4"	6	1607052
180	x	1.1/2"	6	1607053
180	x	2"	6	1607054

The nuts and bolts are made of galvanised steel. O-Rings are NBR rubber.

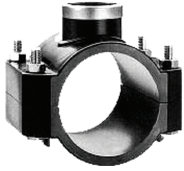
FPM and EPDM O-Rings are available subject to special pricing and delivery.

Bolts galvanized via electroplating then protected with a proprietary passivation process.

For buried applications, use SS nuts & bolts.

TAPPING SADDLES

1607 - TAPPING SADDLE FOR METRIC 20-180mm WITH S/STEEL REINFORCING RING & S/STEEL BOLTS



METRIC X BSP			No. OF BOLTS	CODE
20	x	1/2"	2	1607055
25	x	1/2"	2	1607056
25	x	3/4"	2	1607057
32	x	1/2"	2	1607058
32	x	3/4"	2	1607059
32	x	1"	2	1607060
40	x	1/2"	2	1607061
40	x	3/4"	2	1607062
40	x	1"	2	1607063
50	x	1/2"	2	1607064
50	x	3/4"	2	1607065
50	x	1"	2	1607066
50	x	1.1/4"	2	1607067
63	x	1/2"	4	1607068
63	x	3/4"	4	1607069
63	x	1"	4	1607070
63	x	1.1/4"	4	1607071
63	x	1.1/2"	4	1607072
75	x	1/2"	4	1607073
75	x	3/4"	4	1607074
75	x	1"	4	1607075
75	x	1.1/4"	4	1607076
75	x	1.1/2"	4	1607077
75	x	2"	4	1607078
90	x	1/2"	4	1607079
90	x	3/4"	4	1607080
90	x	1"	4	1607081
90	x	1.1/4"	4	1607082
90	x	1.1/2"	4	1607083
90	x	2"	4	1607084
110	x	1/2"	4	1607085
110	x	3/4"	4	1607086
110	x	1"	4	1607087
110	x	1.1/4"	4	1607088
110	x	1.1/2"	4	1607089
110	x	2"	4	1607090
125	x	3/4"	6	1607091
125	x	1"	6	1607092
125	x	1.1/4"	6	1607093
125	x	1.1/2"	6	1607094
125	x	2"	6	1607095
140	x	1.1/4"	6	1607096
140	x	1.1/2"	6	1607097
140	x	2"	6	1607098
160	x	1"	6	1607099
160	x	1.1/4"	6	1607100
160	x	1.1/2"	6	1607101
160	x	2"	6	1607102
180	x	1"	6	1607103
180	x	1.1/4"	6	1607104
180	x	1.1/2"	6	1607105
180	x	2"	6	1607106

The nuts and bolts are made of stainless steel. The O-Rings of NBR rubber.

O-Rings can be supplied as can FPM and EPDM, but are subject to special pricing and delivery.

TAPPING SADDLES

1654 - TAPPER SWIVEL TEE FOR METRIC POLYETHYLENE



METRIC X METRIC			No. OF BOLTS	PN WATER	CODE
63	x	25	4	12.5	1654001
63	x	32	4	12.5	1654002
75	x	25	4	12.5	1654003
75	x	32	4	12.5	1654004
90	x	25	4	12.5	1654005
90	x	32	4	12.5	1654006
110	x	25	4	16	1654007
110	x	32	4	16	1654008
125	x	25	6	16	1654009
125	x	32	6	16	1654010
140	x	25	6	16	1654011
140	x	32	6	16	1654012
160	x	25	6	16	1654013
160	x	32	6	16	1654014
180	x	25	6	16	1654015
180	x	32	6	16	1654016

Nuts and Bolts are stainless steel 316.

1654 - TAPPER FOR PVC AS/NZS 1477 SERIES 1 PRESSURE PIPE



PVC X METRIC			No. OF BOLTS	PN WATER	CODE
DN100 (114mm)	x	25mm	4	16	1654007
DN100 (114mm)	x	32mm	4	16	1654008
DN150 (160mm)	x	25mm	6	16	1654013
DN150 (160mm)	x	32mm	6	16	1654014

1654 - TAPPER FOR PVC AS/NZS 4441 SERIES 2 & PVC AS/NZS 1477 SERIES 2



PVC X METRIC			No. OF BOLTS	PN WATER	CODE
100mm (122mm)	x	25mm	-	16	1654017
100mm (122mm)	x	32mm	-	16	1654018
150mm (177mm)	x	25mm	-	16	1654019
150mm (177mm)	x	32mm	-	16	1654020

Note: 12 x 200mm Hex Key required to operate cutter. See page 61.

TAPPING SADDLES

1601 - SS NUT & BOLT KIT FOR SADDLES



No. OF BOLTS	SADDLE SIZE		BOLT SIZE - LENGTH (MM)	CODE
	METRIC	RURAL		
2	20-25	20-25	M6-30	1601001
2	32-63	-	M8-45	1601002
4	63	-	M8-45	1601002*
4	75-110	32-40	M8-60	1601003
6	125-180	50	M8-70	1601004

*2x 1601002 kits required for size 63 saddle.

7002 - O-RINGS FOR SADDLES



SIZE	O-RING DIM	CODE
20x1/2"	13.95 x 2.62	7002041
25x1/2", 25x3/4"	18.72 x 2.62	7002042
32x1/2", 32x3/4", 32x1"	25.80 x 3.53*	7002043
40x1/2", 40x3/4"	24.00 x 4.00*	7002003
40x1", 50x1/2", 50x3/4", 50x1", 50x1.1/4", 63x1/2", 63x3/4", 63x1", 75x1/2", 75x3/4", 75x1", 90x1/2", 90x3/4", 90x1", 110x1/2", 110x3/4", 110x1", 125x3/4", 125x1", 140x1", 160x1", 180x1"	31.00 x 5.00*	7002004
63x1.1/4", 75x1.1/4", 90x1.1/4", 110x1.1/4", 125x1.1/4", 140x1.1/4", 160x1.1/4", 180x1.1/4"	39.00 x 6.00*	7002005
63x1.1/2", 75x1.1/2", 75x2", 90x1.1/2", 110x1.1/2", 125x1.1/2", 140x1.1/2", 160x1.1/2", 180x1.1/2"	49.00 x 7.00*	7002006
90x2", 110x2", 125x2", 140x2", 160x2", 180x2"	62.00 x 7.00*	7002007

*The NBR O-Ring can be replaced by FPM or EPDM.

2013 - HEX KEY



The Plasson Hex Key is designed for use with all Plasson compression and electrofusion tapping saddles. It comes with a 12mm square drive connection. Wrench not included.

SIZE	CODE
12 x 200mm	2013001

For electrofusion saddles do not cut the hole until 4x the cooling period on the saddle label has elapsed.



Valves



Ball Valve for Water Applications

Extended range & optional longer handles on
1½" and 2"



Key Features

- ✓ Chemical resistant O-Ring
- ✓ Double seal on spindle to prevent leakage
- ✓ Full Bore
- ✓ Removable handle
- ✓ AS5830 compliant
- ✓ PN16
- ✓ BSP threaded
- ✓ Optional drain port
- ✓ Suitable for potable water
- ✓ Optional 1.1/2" and 2" sizes supplied with longer handle to improve ease of operation under pressure
- ✓ Locking mechanism available

Materials of Construction

- ✓ Body and Spindle – PA-GR
- ✓ Ball – PP-GR
- ✓ Ball-Seat – LLDPE
- ✓ Handle – PP-GR
- ✓ O-Rings – EPDM (chemical resistant)

3703 - VALVE WITHOUT DRAIN PORT



SIZE	BAG QTY	PN WATER	CODE
1/2"	1	16	3703018
3/4"	1	16	3703006
1"	1	16	3703007
1.1/4"	1	16	3703008
1.1/2" Short handle	1	16	3703022
2" Short handle	1	16	3703023
1.1/2" - Long handle	1	16	3703009
2" - Long handle	1	16	3703010
2" - Lockable long handle + 63MM Compression ends	1	16	3703030

3703 - VALVE WITHOUT DRAIN PORT C/W LOCKING HANDLE



SIZE	BAG QTY	PN WATER	CODE
2"	1	16	3703013

3703 - VALVE WITH DRAIN PORT



SIZE	BAG QTY	PN WATER	CODE
1/2"	1	16	3703021
3/4"	1	16	3703001
1"	1	16	3703002
1.1/4"	1	16	3703003
1.1/2"	1	16	3703004
2"	1	16	3703005

3703 - LILAC HANDLE TO SUIT BALL VALVE



SIZE	BAG QTY	CODE
Suit 1" + 1.1/4" Ball Valve*	1	3703019
Suit 1.1/2" Ball Valve*	1	3703020
Suit 2" Ball Valve	1	3703016

*Available on request

VALVES

1115 - DOUBLE UNION: FEMALE THREADED (BISTOP)



SIZE			BAG QTY	PN WATER	CODE
1/2"	x	1/2"	1	16	1115001
3/4"	x	3/4"	1	16	1115002
1"	x	1"	1	16	1115003
1.1/4"	x	1.1/4"	1	16	1115004
1.1/2"	x	1.1/2"	1	16	1115005
2"	x	2"	1	16	1115006

1114 - DOUBLE UNION: FEMALE THREADED (BISTOP)



SIZE			BAG QTY	PN WATER	CODE
2.1/2"	x	2.1/2"	1	10	1114001
3"	x	3"	1	10	1114002
4"	x	4"	1	10	1114003

1135 - SINGLE UNION: FEMALE THREADED



SIZE			BAG QTY	PN WATER	CODE
1/2"	x	1/2"	1	16	1135001
3/4"	x	3/4"	1	16	1135002
1"	x	1"	1	16	1135003
1.1/4"	x	1.1/4"	1	16	1135004
1.1/2"	x	1.1/2"	1	16	1135005
2"	x	2"	1	16	1135006

1137 - SINGLE UNION: FEMALE X METRIC POLY



SIZE			BAG QTY	PN WATER	CODE
1/2"	x	20	1	16	1137001
3/4"	x	25	1	16	1137002
1"	x	32	1	16	1137003
1.1/4"	x	40	1	16	1137004
1.1/2"	x	50	1	16	1137005
2"	x	63	1	16	1137006

1137 - SINGLE UNION: FEMALE X RURAL



SIZE			BAG QTY	PN WATER	CODE
1/2"	x	20 (3/4")	1	16	1137007
3/4"	x	25 (1")	1	16	1137008
1"	x	32 (1.1/4")	1	16	1137009
1.1/4"	x	40 (1.1/2")	1	16	1137010
1.1/2"	x	50 (2")	1	16	1137011

1136 - VALVE SINGLE UNION PVC MALE X FEMALE THREADED



SIZE			BAG QTY	PN WATER	CODE
1/2"			1	16	1136001
3/4"			1	16	1136002
1"			1	16	1136003
1.1/4"			1	16	1136004
1.1/2"			1	16	1136005
2"			1	16	1136006

NEW PRODUCT

Fixed Ratio Pressure Reducing Valve



Designed to reduce static head pressure, especially in underground mining water supply systems.

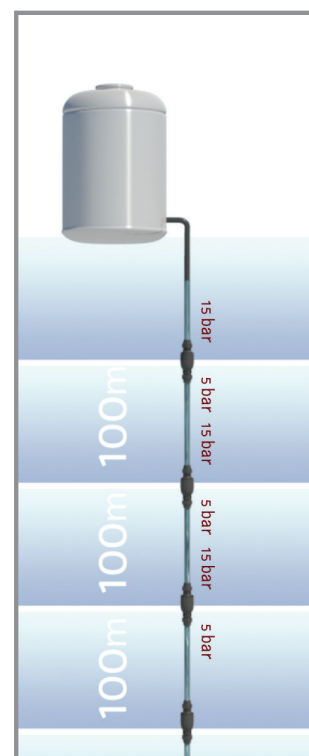
Technical Specifications:

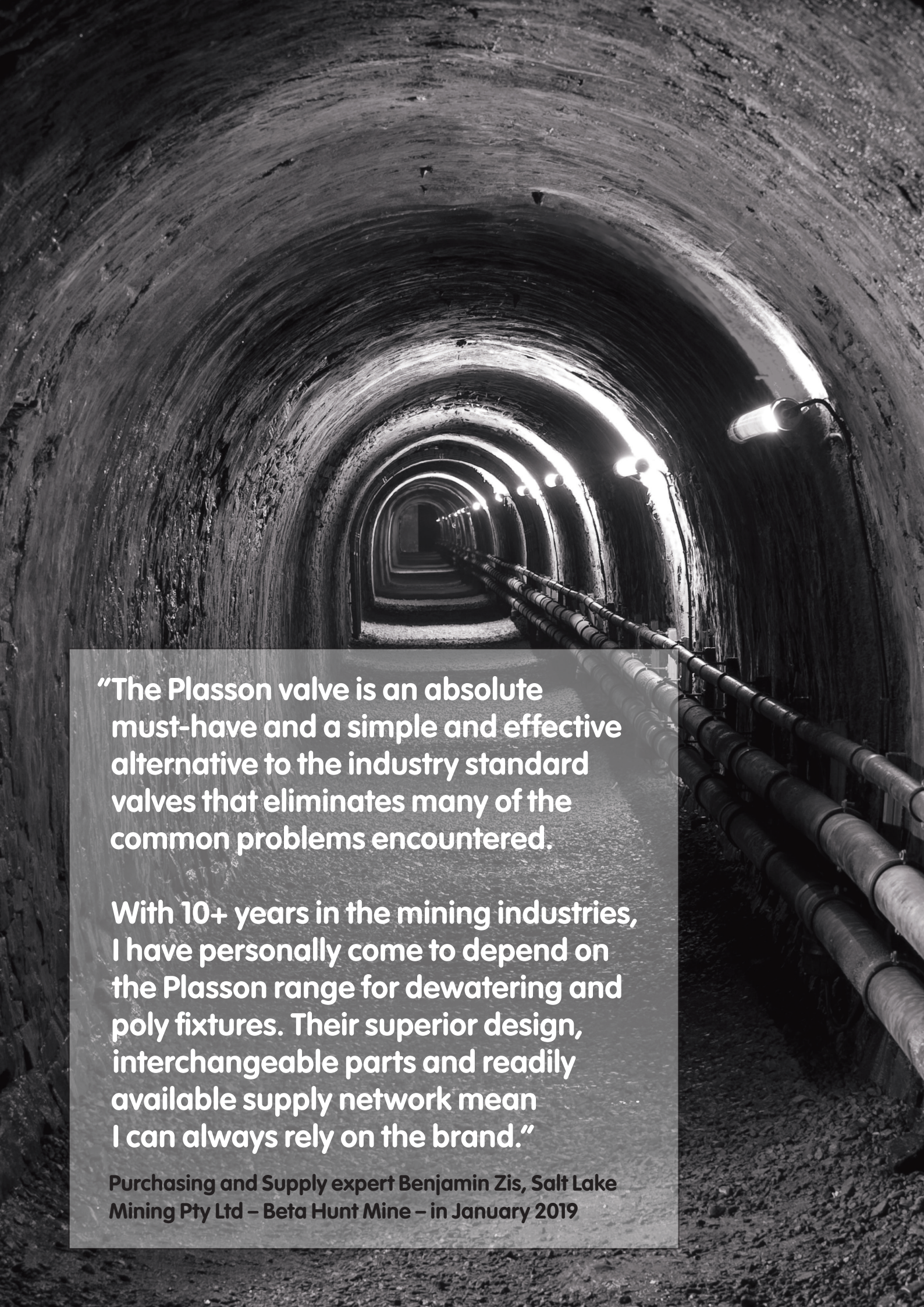
- ✓ Pressure rating: 16 bar
- ✓ Working pressure range: 2-16 bar
- ✓ Flow range - 63mm: 0-14m³/hour with capacity of 30m³/hour; 110mm: nominal 55m³/hour, maximum 80m³/hour
- ✓ Body: Polypropylene PPB
- ✓ Seals: NBR
- ✓ Diaphragm: Reinforced Neoprene
- ✓ Available in pressure reduction ratios - 2:1 or 3:1
- ✓ Connections: Plasson metric mine safe fittings 63 OD & 110 OD
- ✓ Optional: Threaded male BSP (63 OD) and shouldered (110 OD on request)

Features:

- ✓ Lightweight (approx. 15kg) for fast and easy installation
- ✓ Stable pressure control over the full flow and pressure range
- ✓ Corrosion resistant plastic body and internal parts
- ✓ Long service life even in abrasive fluids (sand, stones) due to an innovative hydraulic design and sealed moving components
- ✓ Assembled directly to PE pipe with integral Plasson compression fittings
- ✓ Can be installed either vertically or horizontally
- ✓ Maintenance free
- ✓ Unbox & install

CODE	DESCRIPTION
3801001	FIXED RATIO PRESSURE REDUCING VALVE METRIC 63 OD 2:1
3801002	FIXED RATIO PRESSURE REDUCING VALVE METRIC 63 OD 3:1
3801003	FIXED RATIO PRESSURE REDUCING VALVE METRIC 110 OD 2:1
3801004	FIXED RATIO PRESSURE REDUCING VALVE METRIC 110 OD 3:1



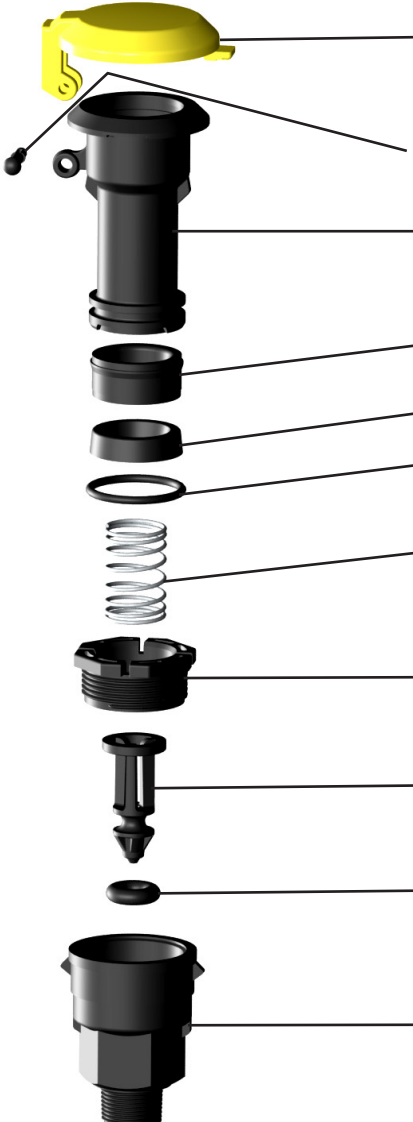


"The Plasson valve is an absolute must-have and a simple and effective alternative to the industry standard valves that eliminates many of the common problems encountered.

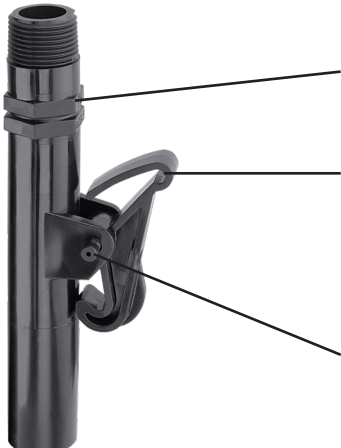
With 10+ years in the mining industries, I have personally come to depend on the Plasson range for dewatering and poly fixtures. Their superior design, interchangeable parts and readily available supply network mean I can always rely on the brand."

Purchasing and Supply expert Benjamin Zis, Salt Lake Mining Pty Ltd – Beta Hunt Mine – in January 2019

Component Parts for 3039 Quick Coupling Valve

	DESCRIPTION	SIZE	CODE
	Cap Yellow	3/4", 1"	3039008
	Cap Lilac	3/4", 1"	3038003
	Cap Pin	3/4", 1"	3039007
	Valve Body Upper	3/4", 1"	3039009
	Insert	3/4", 1"	3039005
	Cuff	3/4", 1"	3039006
	Upper Body Seal	3/4", 1"	3039011
	Plunger Spring		3039004
	Nut	3/4", 1"	3039010
	Plunger	3/4", 1"	3039003
	Valve Washer	3/4", 1"	3039012
	Valve Body Lower	1" 3/4"	3039013 3039014

Component Parts for 3139 Riser

	DESCRIPTION	CODE
	Riser Body	3139001
	Riser Clip	3139002
	Riser Pin	3139003

POLYPROPYLENE VALVES

1868 - MECHANICAL TAPPING VALVE FOR METRIC POLYETHYLENE



SIZE			BAG QTY	PN WATER	CODE
63	x	32	1	16	1868001
63	x	63	1	16	1868002
75	x	32	1	16	1868003
75	x	63	1	16	1868004
90	x	32	1	16	1868005
90	x	63	1	16	1868006
110	x	32	1	16	1868007
110	x	63	1	16	1868008
125	x	32	1	16	1868009
125	x	63	1	16	1868010
140	x	32	1	16	1868011
140	x	63	1	16	1868012
160	x	32	1	16	1868013
160	x	63	1	16	1868014
180	x	32	1	16	1868015
180	x	63	1	16	1868016

Nuts and bolts are stainless steel 316.

3039 - QUICK COUPLING VALVE



SIZE	BAG QTY	PN WATER	CODE
3/4" - Yellow	5	10	3039001
3/4" - Lilac	5	10	3038001
1" - Yellow	5	10	3039002
1" - Lilac	5	10	3038002
Plunger for 3/4", 1" QCV	1	10	3039003
Plunger Spring for 3/4", 1" QCV	1	10	3039004
Insert for 3/4", 1"	1	10	3039005
Rubber Cuff for 3/4", 1" QCV	1	10	3039006
Cap Pin for 3/4", 1"	1	10	3039007
Yellow Cap for 3/4", 1"	1	10	3039008
Lilac Cap for 3/4", 1"	1	10	3038003
Valve Body (Upper) for 3/4", 1"	1	10	3039009
Nut for 3/4", 1"	1	10	3039010
Upper Body Seal for 3/4", 1"	1	10	3039011
Valve Washer for 3/4", 1"	1	10	3039012
Valve Body (Lower) 1"	1	10	3039013
Valve Body (Lower) 3/4"	1	10	3039014

3139 - KEY FOR QUICK COUPLING VALVE



	BAG QTY	PN WATER	CODE
Riser	5	10	3139001
Riser Clip	1	10	3139002
Riser Pin	1	10	3139003

POLYPROPYLENE VALVES

3046 - ANGLE SEAT VALVE - NBR COMPRESSION INLET & OUTLET



SIZE	BAG QTY	PN WATER	CODE
32	5	8	3046001

3047 - ANGLE SEAT VALVE - NBR O-RING, THREADED INLET & OUTLET BSP MALE



SIZE	BAG QTY	PN WATER	CODE
1/2"	5	8	3047001
3/4"	5	8	3047002
1"	1	8	3047003
1.1/4"	1	8	3047004
1.1/2"	1	8	3047005
2"	1	8	3047006

3048 - ANGLE SEAT VALVE - NBR THREADED INLET BSP MALE/COMPRESSION OUTLET



SIZE	BAG QTY	PN WATER	CODE
20 x 1/2"	1	8	3048001
25 x 3/4"	1	8	3048002
32 x 1"	1	8	3048003
40 x 1.1/4"	1	8	3048004
50 x 1.1/2"	1	8	3048005
63 x 2"	1	8	3048006

Potable water and agriculture. Compression end converts to Rural (AS2698.2).

3049 - ANGLE SEAT VALVE - FPM THREADED INLET & OUTLET



SIZE	BAG QTY	PN WATER	CODE
1/2"	1	8	3049001
3/4"	1	8	3049002
1"	1	8	3049003
1.1/4"	1	8	3049004
1.1/2"	1	8	3049005
2"	1	8	3049006

Aggressive chemical applications.

3067 - CHECK VALVE - EDPM THREADED INLET & OUTLET



SIZE	BAG QTY	PN WATER	CODE
3/4"	1	8	3067001
1"	1	8	3067002
1.1/4"	1	8	3067003
1.1/2"	1	8	3067004
2"	1	8	3067005

Potable water and agriculture chemicals.

POLYPROPYLENE VALVES

3402 - COMPRESSION STOPCOCK FOR RURAL PIPES



SIZE	BAG QTY	PN WATER	CODE
20 (3/4")	5	16	3402001
25 (1")	5	16	3402002
32 (1.1/4")	5	16	3402003

3405 - ONE WAY VALVE - THREADED FEMALE INLET AND OUTLET



SIZE	BAG QTY	PN WATER	CODE
3/4"	5	10	3405001
1"	5	10	3405002

3406 - COMPRESSION STOPCOCK FOR METRIC PIPES



SIZE	BAG QTY	PN WATER	CODE
20	5	16	3406001
25	5	16	3406002
32	5	16	3406003

Above & Below Ground WIS 4-23-04. Compression end converts to Rural (AS 2698.2). See page 49
Compression end converts to Copper with Poly to Copper Kit 7439. See page 46

3408 - POLY TO COPPER STOPCOCK



PE X CU	BAG QTY	PN WATER	CODE
20 x 15	1	12.5	3408001
25 x 20	1	12.5	3408002

3226 - CHECK VALVE INSERT



SIZE	BAG QTY	PN WATER	CODE
25	1	16	3226001

Fits 25mm metric fitting and 25mm SDR11 PE pipe.

3801- FIXED RATIO PRESSURE REDUCING VALVE



SIZE	BAG QTY	PN WATER	CODE
63 2:1	1	16	3801001
63 3:1	1	16	3801002
110 2:1	1	16	3801003
110 3:1	1	16	3801004

POLYETHYLENE BALL VALVES

4362 - PE 100 BALL VALVE



SIZE	BAG QTY	SDR	PN WATER	CODE
25	1	11	16	4362001
32	1	11	16	4362002
40	1	11	16	4362003
50	1	11	16	4362004
63	1	11	16	4362005
75	1	11	16	4362006
90	1	11	16	4362007
110	1	11	16	4362008
125	1	11	16	4362009
160	1	11	16	4362010
180	1	11	16	4362011
225	1	11	16	4362012

All spigots suitable for electrofusion & butt welding.
 Sizes to 63 also suitable for use with Plasson compression fittings.
 Suitable pipe SDR 7-11.

3008 - SS ROD FOR BALL VALVE



VALVE SIZE	LENGTH (M)	BAG QTY	PN WATER	CODE
25-40	0.6-0.9	1	-	3008001
50-160	0.6-0.9	1	-	3008002
25-40	0.9-1.4	1	-	3008003
50-160	0.9-1.4	1	-	3008004
25-40	1.3-2.1	1	-	3008005
50-160	1.3-2.1	1	-	3008006

3008 - GALVANIZED ROD BALL VALVE



VALVE SIZE	LENGTH (M)	BAG QTY	PN WATER	CODE
25-40	0.6-0.9	1	-	3008007
50-160	0.6-0.9	1	-	3008008
25-40	0.9-1.4	1	-	3008009
50-160	0.9-1.4	1	-	3008010
25-40	1.3-2.1	1	-	3008011
50-160	1.3-2.1	1	-	3008012
160-225	1.3-2.1	1	-	3008013

Electrofusion Fittings



ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

Suitable Plasson Control Boxes



DN	SmartFuse 180	Monomatic	PolymaticPlusUSB	PolyControlPlus V2
16 - 180	✓	✓	✓	✓
200 - 355	x	✓	✓	✓
400 - 800	x	x	✓*	✓
800 - 1200	x	x	x	✓

*Sizes above 355mm require cool down time between welds.

Some couplers between 800-1000 may need a 'Mamut' control box - check with Plasson sales staff.

Standard dimension ratios (SDRs) for series 1 pipes and equivalent pressure rating in Bar

Compound	PN3.2	PN4	PN6.3	PN8	PN10	PN12.5	PN16	PN20	PN25
PE80	41	33	21	17	13.6	11	9	7.4	-
PE100	-	41	26	21	17	13.6	11	9	7.4

4901 - COUPLER



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
16	16	11	7-11	4901001
20	16	11	7-11	4901002
25	16	11	7-11	4901003
32	16	11	7-11	4901004
40	16	11	7.4-17.6	4901005
50	16	11	7.4-17.6	4901006
63	16	11	7.4-17.6	4901007
75	16	11	7.4-17.6	4901008
90	16	11	7-17	4901009
110	16	11	7-17	4901010
125	16	11	7-17	4901011
140	16	11	7-17	4901012
160	16	11	7-17	4901013
180	16	11	7-17	4901014
200	16	11	7-17	4901015
225	16	11	7-17	4901016
250	16	11	7-21	4901017
280	16	11	7-21	4901018
315	16	11	7-26	4901019
355	16	11	7-20	4901020
400	16	11	7-26	4901021
450*	16	11	7-17	4901022
500*	16	11	7-17	4901023
560*	16	11	7-33	4901024
630*	16	11	7-33	4901025
710*	16	11	7-26	4901026
800*	16	11	7-17	4901027
900*	16	11	11-17	4901034

*450-900 couplers have dual weld zones.

Series 3 couplers up to DN300 available on request.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4501 - COUPLER - FOR THICK WALLED PIPE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
50	25	7.4	7-11	4501001
63	25	7.4	7-11	4501002
75	25	7.4	7-11	4501003
90	25	7.4	7-11	4501004
110	25	7.4	7-11	4501005
125	25	7.4	7-11	4501006
160	25	7.4	7-11	4501007
180	25	7.4	7-11	4501008
200	25	7.4	7-11	4501009
225	25	7.4	7-11	4501010
250	25	7.4	7-11	4501011
280	25	7.4	7-11	4501012
315	25	7.4	7-11	4501013
355	25	7.4	7-11	4501015
400	20	9	7-11	4501014

4901 - LONG COUPLER



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
32	16	11	7-11	4901028
40	16	11	7-11	4901029
50	16	11	7-11	4901030
63	16	11	7-11	4901031

4601 - LIGHTFIT COUPLER - FOR THIN WALLED PIPE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
40	10	17	11-17	4601001
50	10	17	11-17	4601002
63	10	17	11-26	4601003
75	10	17	11-26	4601004
90	10	17	11-26	4601005
110	10	17	11-33	4601006
125	10	17	11-33	4601007
140	10	17	11-33	4601008
160	10	17	11-33	4601009
180	10	17	11-33	4601010
200	10	17	11-33	4601011
225	10	17	11-33	4601012
250	10	17	11-33	4601013
280	10	17	11-33	4601014
315	10	17	11-33	4601015
355	10	17	11-41	4601016
400	10	17	11-41	4601017
450+	10	17	11-41	4601018
500*	10	17	11-33	4601019
560*	10	17	11-41	4601020
630*	10	17	11-33	4601021
710*	10	17	11-33	4601022
800*	10	17	11-41	4601023
900	10	17	11-41	4601024

+450 Lightfit coupler is 42V Fitting.

*500-900 Lightfit Couplers have dual weld zones.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4601 - SUPER LIGHTFIT COUPLER - FOR VERY THIN WALLED PIPE



SIZE	*PN WATER	SDR GAS	SDR RANGE	CODE
500	6.4	26	17-41	4601101
560	6.4	26	17-41	4601102
630	6.4	26	17-41	4601103
710	6.4	26	17-41	4601105
800	6.4	26	17-41	4601104
900	6.4	26	17-41	4601107
1000	6.4	26	17-41	4601106

*Nominal Rating - Not certified to AS/NZS 4129.

4911 - REDUCING COUPLER



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
20 x 16*	16	11	7-11	4911001
25 x 20	16	11	7-11	4911002
25 x 20NB**	16	11	7-11	4911003
32 x 20	16	11	7-11	4911004
32 x 25	16	11	7-11	4911005
40 x 25	16	11	7-11	4911006
40 x 32	16	11	7-11	4911007
50 x 25	16	11	7-11	4911008
50 x 32	16	11	7-11	4911009
50 x 40	16	11	7-11	4911010
50 x 40NB**	16	11	7-11	4911011
63 x 32	16	11	7-11	4911012
63 x 40	16	11	7-11	4911013
63 x 50	16	11	7-11	4911014
63 x 50NB**	16	11	7-11	4911015
75 x 63	16	11	7-11	4911016
90 x 50	16	11	7-17	4911017
90 x 63	16	11	7-17	4911018
90 x 75	16	11	7-17	4911019
110 x 63	16	11	7-17	4911020
110 x 90	16	11	7-17	4911021
125 x 90	16	11	7-17	4911022
125 x 110	16	11	7-17	4911023
160 x 90	16	11	7-17	4911024
160 x 110	16	11	7-17	4911025
160 x 125	16	11	7-17	4911026
180 x 125	16	11	7-17	4911027

*Only 1x rising pin indicator

**Series 3, 25 x 20NB, 50 x 40NB, 63 x 50NB available on request

Plasson Large Bore Couplers

Electrofusion fittings for 450 OD – 1000 OD PE Pipe

PE100
HSCR
RESIN

Product Geometry

- Extra material at areas of maximum load
- Thinner wall above fusion zone to enhance gap closing and weld quality
- Customised profile at weld zones to improve weld quality
- Long insertion depths allow longer cold zones to help prevent melt out



Insulating weld Straps

- Prevent expansion during weld process
- Shorten fusion time by reducing heat loss
- Allows coupling to shrink during cooling - reduces stress on weld during cooling period
- Does not require tightening or intervention from the operator
- Will be loose after cooling
- Can be removed after cooling - not a structural element of the finished weld



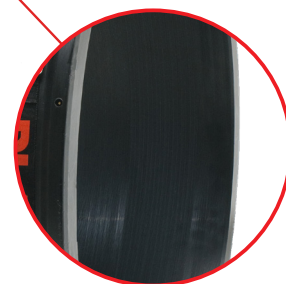
Rising Pin Weld Indicator

- Located in the middle of strap buckles
- Tapered design prevents melt out
- Not an indicator of weld quality



Dual Weld Zones

- Can be welded simultaneously or in sequence
- Allows flexibility with installation procedures



Wires Embedded In Coupling

- Prevents damage during assembly
- Thick melt layer to help close large gaps
- Ensures even heat transfer during welding
- Oxygen free environment around the heating wire all the way up to gap closure
- Internal machining after wire imbedding to control internal diameter and provide a smooth welding surface

Installation Tools

Plasson Large Bore Couplers



Rotary Circular Saw

Guarantees a straight cut at pipe ends and eliminates the need for chainsaws. Three sizes available for pipes up to 1200mm in diameter. See page 129



Battery Powered Chain Peeler

Self driven pipe peeler ensures accurate depth of peel removed from the pipe surface while saving significant man-hours. Available for pipe diameters from 400 to 1200mm. See page 132



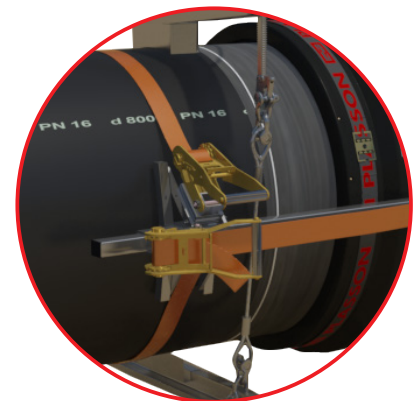
Hydraulic Rounder

Mechanical and hydraulic rerounding tools available for pipes up to 1200mm in diameter. Eliminates ovality and ensures pipe geometry conforms with POP001. See page 133



Electrofusion Control Box

Plasson Polymatic and Polycontrol control boxes. See page 128



Restraint Clamp and Pulling Shoes

Pulling shoes aid in positioning the coupler anywhere along the pipe length. Restraint clamp then restrains the pipe/coupler assembly during fusion. See page 135

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4905 - 90° ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
20	16	11	7-11	4905001
25	16	11	7-11	4905002
32	16	11	7-11	4905003
40	16	11	7-17	4905004
50	16	11	7-17	4905005
63	16	11	7-17	4905006
75	16	11	7-17	4905007
90	16	11	7-17	4905008
110	16	11	7-17	4905009
125	16	11	7-17	4905010
140	16	11	7-17	4905011
160	16	11	7-21	4905012
180	16	11	7-17	4905013
200	16	11	7-17	4905014
225	16	11	7-17	4905015
250	16	11	7-17	4905016

4915 - 90° DUCKFOOT ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
90 x 90	16	11	7-17	4915001

4915 - 90° DUCKFOOT ELBOW W/32 OUTLET



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
90 x 32 x 90	16	11	7-17	4915002

4906 - 45° ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
32	16	11	7-11	4906001
40	16	11	7-17	4906002
50	16	11	7-17	4906003
63	16	11	7-17	4906004
75	16	11	7-17	4906005
90	16	11	7-17	4906006
110	16	11	7-17	4906007
125	16	11	7-17	4906008
140	16	11	7-17	4906009
160	16	11	7-21	4906010
180	16	11	7-17	4906011
200	16	11	7-17	4906012
225	16	11	7-17	4906013
250	16	11	7-17	4906014

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4706 - 45° LIGHTFIT ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
110	10	17	17-33	4706001
160	10	17	17-33	4606001

4633 - 30° LIGHTFIT ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
160	10	17	17-33	4633001

4908 - 22.5° ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
90	16	11	7-17	4908001
110	16	11	7-17	4908002
125	16	11	7-17	4908003
160	16	11	7-17	4908004
180	16	11	7-17	4908005

4637 - 15° LIGHTFIT ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
160	10	17	11-33	4637001

4947 - ADJUSTABLE ELBOW - COUPLER TO COUPLER



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
90	16	11	7-17	4947012
110	16	11	7-17	4947001
125	16	11	7-17	4947002
160	16	11	7-17	4947003
180	16	11	7-17	4947004
200	16	11	7-17	4947005
225	16	11	7-17	4947026
250	16	11	7-17	4947013

Ideal for jointing misaligned pipes in trenches and tight locations.

4947 - ADJUSTABLE ELBOW ONE SIDED - COUPLER AND SPIGOT



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
90	16	11	7-17	4947014
110	16	11	7-17	4947006
125	16	11	7-17	4947007
160	16	11	7-17	4947008
180	16	11	7-17	4947009
200	16	11	7-17	4947010
225	16	11	7-17	4947011
250	16	11	7-17	4947015

Ideal for jointing misaligned pipes in trenches and tight locations.

Plasson Australia Pty Ltd

Wholesale prices do not include 10% GST

Not all products in this catalogue are available ex-stock

New design

Adjustable Elbow

Innovative solutions adding flexibility to PE Pipe installations



Plasson's one-sided Adjustable Elbow allows the connection of pipes misaligned up to 12 degrees, while the double-sided Adjustable Elbow enables jointing of misaligned pipe up to 24 degrees.

The Plasson Adjustable Elbow simply and easily solves situations such as:

- ✓ Misaligned pipes
- ✓ Connections at an undefined angle
- ✓ Connection of misaligned pipes to valves, pumps and other stationary devices
- ✓ Connection of buried pipes where only a short section is exposed
- ✓ New design with increased fusion area

Prior to welding, the ball joints are fully adjustable up to $\pm 12^\circ$ degree.
After welding, the joint is a fixed electrofusion welded connection.

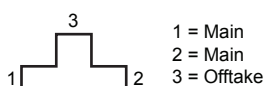
The Adjustable Elbow is pressure rated as

- ✓ Water PN16
- ✓ Gas PE 100 SDR 11

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4904 - 90° EQUAL TEE



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
1	2	3				
20	20	20	16	11	7-11	4904001
25	25	25	16	11	7-11	4904002
32	32	32	16	11	7-11	4904003
40	40	40	16	11	7-17	4904004
50	50	50	16	11	7-17	4904005
63	63	63	16	11	7-17	4904006
75	75	75	16	11	7-17	4904007
90	90	90	16	11	7-17	4904008
110	110	110	16	11	7-17	4904009
125	125	125	16	11	7-17	4904010
160	160	160	16	11	7-17	4904011
180	180	180	16	11	7-17	4904012
200	200	200	16	11	7-17	4904013
225	225	225	16	11	7-17	4904014
250	250	250	16	11	7-17	4904015

Plasson PE100 HSCR fittings
For ultimate crack resistance

PE100
HSCR
RESIN

Plasson electrofusion fittings above 63mm are now made of PE100 HSCR (High Stress Crack Resistant).

PE100 HSCR is a PE100 material which offers up to ten times higher resistance to slow crack growth than regular PE100. This is particularly important where the pipe is prone to damage during installation. It has the same pressure burst strength of conventional PE100 pipe but is specially formulated for use in critical or high-value pipeline assets where the risk of premature failure from slow crack growth is possible.

RC resins are listed in PIPA POP016 guideline.

Benefits of PE100 HSCR:

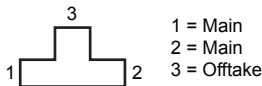
- ✓ Produces a durable, hard-wearing pipeline
- ✓ Extends the service life of the entire piping system
- ✓ Enables cost-saving installation methods
- ✓ Maximum operational reliability

For more information on POP016 go to www.pipa.com.au/technical/pop-guidelines/

ELECTROFUSION FITTINGS

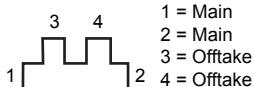
PE100
HSCR
RESIN

4914 - 90° REDUCING TEE



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
1	2	3				
25	25	20	16	11	7-11	4914001
25	25	32	16	11	7-11	4914002
32	32	20	16	11	7-11	4914003
32	32	25	16	11	7-11	4914004
40	40	20	16	11	7-17	4914005
40	40	25	16	11	7-17	4914006
40	40	32	16	11	7-17	4914007
50	50	20	16	11	7-17	4914008
50	50	25	16	11	7-17	4914009
50	50	32	16	11	7-17	4914010
50	50	40	16	11	7-17	4914011
63	63	20	16	11	7-17	4914012
63	63	32	16	11	7-17	4914013
63	63	40	16	11	7-17	4914014
63	63	50	16	11	7-17	4914015
75	75	63	16	11	7-17	4914016
90	75	90	16	11	7-17	4914037
90	90	63	16	11	7-17	4914017
110	110	63	16	11	7-17	4914018
110	110	90	16	11	7-17	4914019
110	110	75	16	11	7-17	4914036
125	125	90	16	11	7-17	4914020
125	125	110	16	11	7-17	4914021
160	160	90	16	11	7-17	4914022
160	160	110	16	11	7-17	4914023
160	160	125	16	11	7-17	4914024
180	180	90	16	11	7-17	4914025
180	180	110	16	11	7-17	4914026
180	180	125	16	11	7-17	4914027
180	180	140	16	11	7-17	4914028
180	180	160	16	11	7-17	4914029
200	200	90	16	11	7-17	4914030
200	200	110	16	11	7-17	4914031
225	225	90	16	11	7-17	4914032
225	225	110	16	11	7-17	4914033
250	250	90	16	11	7-17	4914034
250	250	110	16	11	7-17	4914035

4924 - 90° REDUCING TEE WITH DOUBLE OUTLET



SIZE				PN WATER	SDR GAS	SDR RANGE	CODE
1	2	3	4				
40	40	25	25	16	11	7-11	4924001
40	40	32	32	16	11	7-11	4924002
50	50	25	25	16	11	7-11	4924003
50	50	32	32	16	11	7-11	4924004
63	63	25	25	16	11	7-11	4924006
63	63	32	32	16	11	7-11	4924007
63	63	40	40	16	11	7-11	4924008

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4904 - FULL FACED FLANGED HYDRANT TEE (W/SS 316 BACKING RING)



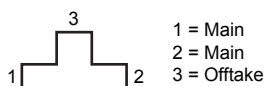
SIZE			PN	SDR GAS	SDR	CODE
1	2	3	WATER		RANGE	
110	110	90	16	11	7-17	4904016
125	125	90	16	11	7-17	4904017
160	160	90	16	11	7-17	4904018
180	180	90	16	11	7-17	4904019
200	200	90	16	11	7-17	4904020
225	225	90	16	11	7-17	4904021
250	250	90	16	11	7-17	4904022

Elongated slots suitable for four or eight hole flange drilling w/ PCD b/w 145 and 180mm.
Full faced flange and SS ring drilled 4 x 18 @ 146 PCD and 4 x 18 @ 178 PCD.

4994 - DUCTILE IRON FLANGED TEE



FLANGE: PP COATED STEEL



SIZE			PCD	PN	SDR GAS	SDR	CODE
1	2	3		WATER		RANGE	
110	110	"4 ISO	180	16	11	7-17	4994001
125	125	"4 ISO	180	16	11	7-17	4994002
160	160	"4 ISO	180	16	11	7-17	4994003
180	180	"4 ISO	180	16	11	7-17	4994004
200	200	"4 ISO	180	16	11	7-17	4994005
225	225	"4 ISO	180	16	11	7-17	4994006
250	250	"4 ISO	180	16	11	7-17	4994007

See page 43 for ISO Flange dimensions and equivalent Australian Standard Flanges

4977 - PE CAST IRON FLANGE COUPLER



SIZE	PCD	PN	SDR GAS	SDR	CODE
		WATER		RANGE	
PE x ISO FLANGE**					
63 x 2" ISO	125	16	11	7-11	4977001
110 x 4" ISO	180	16	11	7-17	4977002
125 x 4" ISO	180	16	11	7-17	4977003
160 x 6" ISO*	240	16	11	7-17	4977004
180 x 6" ISO*	240	16	11	7-17	4977005
225 x 8" ISO	295	16	11	7-17	4977006

*Use M16 bolts with 150 flanges

**See page 43 for ISO Flange dimensions and equivalent Australian Standard Flanges



DID YOU KNOW?

Plasson distributes its products from four locations across Australia.

Plasson currently runs distribution centres in Brisbane, Melbourne, Perth and Darwin.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4912 - END CAP - INCLUDES COUPLING & PLUG



Coupling + Plug



Monolithic (one piece)

SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
20	16	11	7-11	4912001
25	16	11	7-11	4912002
32*	16	11	7-11	4912003
32	16	11	7-11	4912035
40*	16	11	7-11	4912004
40	16	11	7-11	4912036
50*	16	11	7-11	4912005
50	16	11	7-11	4912037
63*	16	11	7-11	4912006
63	16	11	7-11	4912038
75	16	11	7-11	4912007
90	16	11	7-17	4912008
110	16	11	7-17	4912009
125	16	11	7-17	4912010
140	16	11	7-17	4912011
160	16	11	7-17	4912012
180	16	11	7-17	4912013
200	16	11	7-17	4912014
225	16	11	7-17	4912015
250	16	11	7-17	4912016

*Monolithic End Cap

4912 - END PLUG



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
20	16	11	-	4912017
25	16	11	-	4912018
32	16	11	-	4912019
40	16	11	-	4912020
50	16	11	-	4912021
63	16	11	-	4912022
75	16	11	-	4912023
90	16	11	-	4912024
110	16	11	-	4912025
125	16	11	-	4912026
140	16	11	-	4912027
160	16	11	-	4912028
180	16	11	-	4912029
200	16	11	-	4912030
225	16	11	-	4912031
250	16	11	-	4912032
280	16	11	-	4912033
315	16	11	-	4912034

May be fitted into any Plasson electrofusion ended fitting.

Must be spot welded in 3 places or held firmly, without movement, during electrofusion and cooling cycle.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4971 - MALE ADAPTOR E/F - PE100



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
25	x	3/4"	16	11	-	4971001
32	x	1"	16	11	-	4971002
40	x	1"	16	11	-	4971003
40	x	1.1/4"	16	11	-	4971004
40	x	1.1/2"	16	11	-	4971005
50	x	1.1/2"	16	11	-	4971006
63	x	1.1/2"	16	11	-	4971007
63	x	2"	16	11	-	4971008

Fits any electrofusion socket

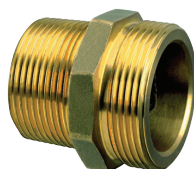
4961 - FEMALE ADAPTOR E/F - PE100



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
20	x	1/2"	16	11	-	4961001
25	x	3/4"	16	11	-	4961002
32	x	1"	16	11	-	4961003
40	x	1.1/4"	16	11	-	4961004
50	x	1.1/2"	16	11	-	4961005
63	x	2"	16	11	-	4961006

Fits any electrofusion socket

3045 - BRASS REDUCING NIPPLE FOR TRANSITION UNIONS



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
1.1/4"	x	1"	16	11	-	3045001
2.1/2"	x	2"	16	11	-	3045004

4971 - MALE TRANSITION COUPLER - MALE PE100 OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
25	x	3/4"	16	11	-	4971009
32	x	1"	16	11	-	4971010
40	x	1"	16	11	-	4971011
40	x	1.1/4"	16	11	-	4971012
40	x	1.1/2"	16	11	-	4971013
50	x	1.1/2"	16	11	-	4971014
63	x	1.1/2"	16	11	-	4971015
63	x	2"	16	11	-	4971016

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4921 - TRANSITION COUPLING - MALE BRASS BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
20	x	1/2"	16	11	7-11	4921021
25	x	3/4"	16	11	7-11	4921022
32	x	1/2"	16	11	7-11	4921023
32	x	3/4"	16	11	7-11	4921024
32	x	1"	16	11	7-11	4921025
32	x	1.1/4"	16	11	7-11	4921026
32	x	1.1/2"	16	11	7-11	4921027
40	x	1"	16	11	7-11	4921028
40	x	1.1/4"	16	11	7-11	4921029
40	x	1.1/2"	16	11	7-11	4921030
40	x	2"	16	11	7-11	4921031
50	x	1"	16	11	7-11	4921032
50	x	1.1/4"	16	11	7-11	4921033
50	x	1.1/2"	16	11	7-11	4921034
50	x	2"	16	11	7-11	4921035
63	x	1.1/4"	16	11	7-11	4921036
63	x	1.1/2"	16	11	7-11	4921037
63	x	2"	16	11	7-11	4921038
75	x	2"	16	11	7-11	4921039
75	x	2.1/2"	16	11	7-11	4921040

The brass component can be turned inside the body of the fittings after welding and cooling is completed.

4951 - TRANSITION COUPLING - MALE STAINLESS STEEL (316) BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
32	x	1.1/4"	16	11	7-11	4951015
32	x	1.1/2"	16	11	7-11	4951002
40	x	1.1/4"	16	11	7-11	4951003
40	x	1.1/2"	16	11	7-11	4951004
50	x	1.1/2"	16	11	7-11	4951005
50	x	2"	16	11	7-11	4951014
63	x	1.1/2"	16	11	7-11	4951006
63	x	2"	16	11	7-11	4951007

The SS component can be turned inside the body of the fittings after welding and cooling is completed.

4931 - TRANSITION COUPLING - FEMALE BRASS BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
20	x	1/2"	16	11	7-11	4931013
25	x	3/4"	16	11	7-11	4931014
32	x	3/4"	16	11	7-11	4931015
32	x	1"	16	11	7-11	4931016
40	x	1"	16	11	7-11	4931017
40	x	1.1/4"	16	11	7-11	4931018
40	x	1.1/2"	16	11	7-11	4931019
50	x	1.1/2"	16	11	7-11	4931020
50	x	2"	16	11	7-11	4931021
63	x	1.1/2"	16	11	7-11	4931022
63	x	2"	16	11	7-11	4931023

The brass component can be turned inside the body of the fittings after welding and cooling is completed.

4941 - TRANSITION UNION (FREE NUT) - MALE BRASS BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
32	x	1"	16	11	7-11	4941001
40	x	1"	16	11	7-11	4941002
40	x	1.1/4"	16	11	7-11	4941003
50	x	1.1/2"	16	11	7-11	4941004
63	x	1.1/2"	16	11	7-11	4941005
63	x	2"	16	11	7-11	4941006

The brass component can be turned inside the body of the fittings after welding and cooling is completed.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4941 - TRANSITION UNION (FREE NUT) - FEMALE BRASS BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
20	x	3/4"	16	11	7-11	4941007
25	x	3/4"	16	11	7-11	4941008
25	x	1"	16	11	7-11	4941009
32	x	1"	16	11	7-11	4941010
32	x	1.1/4"	16	11	7-11	4941011
40	x	1.1/4"	16	11	7-11	4941012
40	x	1.1/2"	16	11	7-11	4941013
50	x	1"	16	11	7-11	4941014
50	x	2"	16	11	7-11	4941015
63	x	2"	16	11	7-11	4941016
63	x	2.1/2"	16	11	7-11	4941017

The brass component can be turned inside the body of the fittings after welding and cooling is completed.

4925 - 90° TRANSITION ELBOW - MALE BRASS BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
20	x	1/2"	16	11	7-11	4925001
25	x	3/4"	16	11	7-11	4925002
32	x	1/2"	16	11	7-11	4925003
32	x	3/4"	16	11	7-11	4925004
32	x	1"	16	11	7-11	4925005
32	x	1.1/4"	16	11	7-11	4925006
32	x	1.1/2"	16	11	7-11	4925007
40	x	1"	16	11	7-13.6	4925008
40	x	1.1/4"	16	11	7-13.6	4925009
40	x	1.1/2"	16	11	7-13.6	4925010
40	x	2"	16	11	7-13.6	4925011
50	x	1"	16	11	7-13.6	4925012
50	x	1.1/4"	16	11	7-13.6	4925013
50	x	1.1/2"	16	11	7-13.6	4925014
50	x	2"	16	11	7-13.6	4925015
63	x	1.1/4"	16	11	7-13.6	4925016
63	x	1.1/2"	16	11	7-13.6	4925017
63	x	2"	16	11	7-13.6	4925018

The brass component can be turned inside the body of the fittings after welding and cooling is completed.

4935 - 90° TRANSITION ELBOW - FEMALE BRASS BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
20	x	1/2"	16	11	7-11	4935001
25	x	3/4"	16	11	7-11	4935002
32	x	1"	16	11	7-11	4935003
40	x	1"	16	11	7-13.6	4935004
40	x	1.1/4"	16	11	7-13.6	4935005
40	x	1.1/2"	16	11	7-13.6	4935006
50	x	1.1/2"	16	11	7-13.6	4935007
50	x	2"	16	11	7-13.6	4935008
63	x	1.1/2"	16	11	7-13.6	4935009
63	x	2"	16	11	7-13.6	4935010

The brass component can be turned inside the body of the fittings after welding and cooling is completed.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4945 - 90° TRANSITION UNION (FREE NUT) ELBOW - FEMALE BRASS BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
20	x	3/4"	16	11	7-11	4945001
25	x	3/4"	16	11	7-11	4945002
25	x	1"	16	11	7-11	4945003
32	x	1"	16	11	7-11	4945004
32	x	1.1/4"	16	11	7-11	4945005
40	x	1.1/2"	16	11	7-13.6	4945006
63	x	1.1/2"	16	11	7-13.6	4945008
63	x	2"	16	11	7-13.6	4945009
63	x	2.1/2"	16	11	7-13.6	4945010

4926 - 45° TRANSITION ELBOW - MALE BRASS OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
32	x	1/2"	16	11	7-11	4926001
32	x	3/4"	16	11	7-11	4926002
32	x	1"	16	11	7-11	4926003
32	x	1.1/4"	16	11	7-11	4926004
32	x	1.1/2"	16	11	7-11	4926005
40	x	1"	16	11	7-13.6	4926006
40	x	1.1/4"	16	11	7-13.6	4926007
40	x	1.1/2"	16	11	7-13.6	4926008
40	x	2"	16	11	7-13.6	4926009
50	x	1"	16	11	7-13.6	4926010
50	x	1.1/4"	16	11	7-13.6	4926011
50	x	1.1/2"	16	11	7-13.6	4926012
50	x	2"	16	11	7-13.6	4926013
63	x	1.1/4"	16	11	7-13.6	4926014
63	x	1.1/2"	16	11	7-13.6	4926015
63	x	2"	16	11	7-13.6	4926016

The brass component can be turned inside the body of the fittings after welding and cooling is completed.

4936 - 45° TRANSITION ELBOW - FEMALE BRASS OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
32	x	1"	16	11	7-11	4936001
40	x	1"	16	11	7-13.6	4936002
40	x	1.1/4"	16	11	7-13.6	4936003
40	x	1.1/2"	16	11	7-13.6	4936004
50	x	1.1/2"	16	11	7-13.6	4936005
50	x	2"	16	11	7-13.6	4936006
63	x	1.1/2"	16	11	7-13.6	4936007
63	x	2"	16	11	7-13.6	4936008

The brass component can be turned inside the body of the fittings after welding and cooling is completed.

4946 - 45° TRANSITION UNION (FREE NUT) ELBOW - FEMALE BRASS BSP OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
32	x	1"	16	11	7-11	4946001
32	x	1.1/4"	16	11	7-11	4946002
40	x	1.1/2"	16	11	7-13.6	4946003
63	x	2"	16	11	7-13.6	4946005
63	x	2.1/2"	16	11	7-13.6	4946006



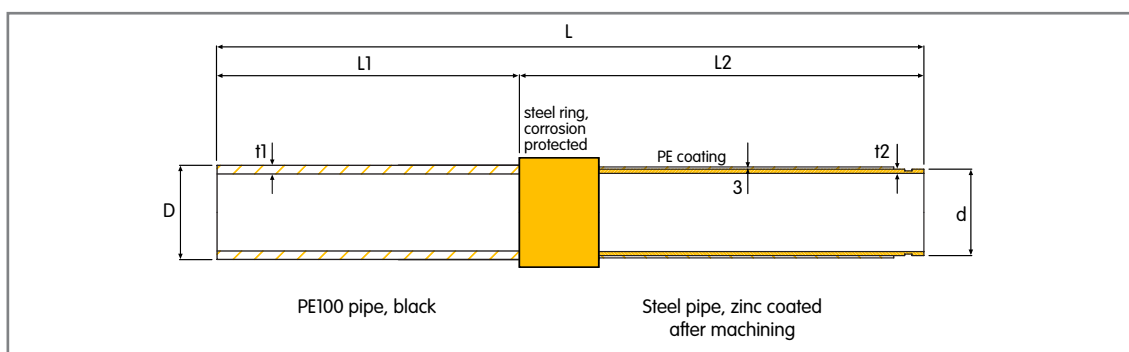
SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
125-4" (DN100)	16	11	-	4927022
180-6" (DN150)	16	11	-	4927023

Plasson Polyethylene (PE) to Steel Roll Groove Adaptors

Plasson PE to Steel Roll Groove Adaptors provide a simple solution for joining PE ring mains to surface hydrant assembly pipework.

TECHNICAL SPECIFICATIONS

- ✓ Complies with AS/NZS 4129:2008 Fittings for polyethylene (PE) pipes for pressure applications
- ✓ Pressure rating PN16
- ✓ Steel pipe is protected by zinc coating and 3mm layer of PE100
- ✓ Available in sizes
DN125 PE to DN100-114.3mm (4") Roll Groove Steel and
DN180 PE to DN150-165.1mm (6") Roll Groove Steel
- ✓ Long PE pipe section allows for up to two electrofusion welds with Plasson couplers



PE Size	D	d	L	L1	L2	t1	t2
DN125	125	114.3 (4")	935	400	535	11.3 (SDR11)	6.02
DN180	180	165.1 (6")	800	400	400	16.4 (SDR11)	5.5

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4927 - WELDABLE TRANSITION - POLYETHYLENE TO UNTREATED STEEL

PN16 Water



SIZE	SDR GAS	SDR RANGE	CODE
32-1" (DN25)	SCH80	11	4927001
40-1.1/4" (DN32)	SCH80	11	4927002
50-1.1/2" (DN40)	SCH80	11	4927003
63-2" (DN50)	SCH80	11	4927004
63-2" (DN50)	SCH40	11	4927005
90-3" (DN80)	SCH40	11	4927029
110-4" (DN100)	SCH40	11	4927006
125-4" (DN100)	SCH40	11	4927007
160-6" (DN150)	SCH40	11	4927008
200-8" (DN200)	SCH40	11	4927009
250-10" (DN250)	SCH40	11	4927010
315-12" (DN300)	SCH40	11	4927011
355-12" (DN300)	SCH40	11	4927012
400-16" (DN400)	SCH40	11	4927013
560-20" (DN500)	SCH40	11	4927014
630-24" (DN600)	SCH40	11	4927015

Customised size available - talk to Plasson.



DID YOU KNOW?

The name Plasson stands for Plastic (Plass) and strength/power (on) in Hebrew.

As a globally operating company, Plasson was born in Israel in the 1960s.

Plasson Quality Assurance

Quality forms one of our core values. Plasson has built a reputation as a manufacturer of high-quality products meeting the strictest industry standards in its area of application.

Plasson Australia's products are **certified by ApprovalMark International (AMI)** to various **Australian Standards** and hold **ISO Type 5** and **WaterMark** certifications where applicable.



Standards are only the starting point. All standards are the minimum requirement; Plasson in all cases exceeds minimum requirements.

Quality is the keyword in all Plasson processes, from design through manufacture, assembly, packaging, distribution, and delivery. Raw materials are painstakingly chosen to ensure that only the best and most appropriate virgin plastic is used for each new product.

Top-quality precision moulds and the latest injection moulding machines contribute to the excellence of Plasson. Quality control is rigorous at every stage of the process, from testing during production to careful examination of the final product.

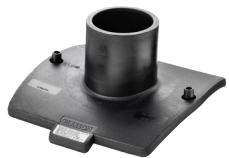
Plasson's design department uses a sophisticated CAD system, directly connected to the CAM system in the mould production department. Computerised simulations of extreme working conditions are set up to analyse the performance of new products.

Stringent testing is carried out in Plasson's laboratories, which are fully equipped with state-of-the-art measuring equipment, materials testing devices, and mechanical and hydraulic testing machines.

Plasson's quality system conforms to the exacting requirements of ISO 9001:2000.

Plasson Electrofusion Saddles

For Large Diameter PE Pipes - save space, cost and time



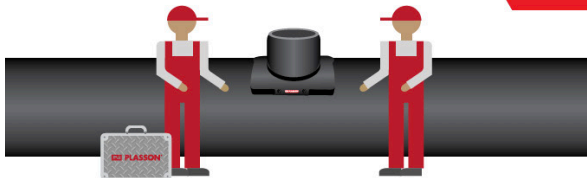
PLASSON Electrofusion Solution



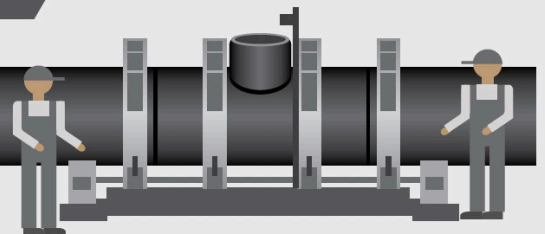
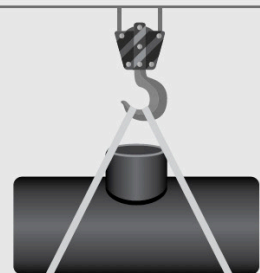
TRANSPORTING



APPLICATION



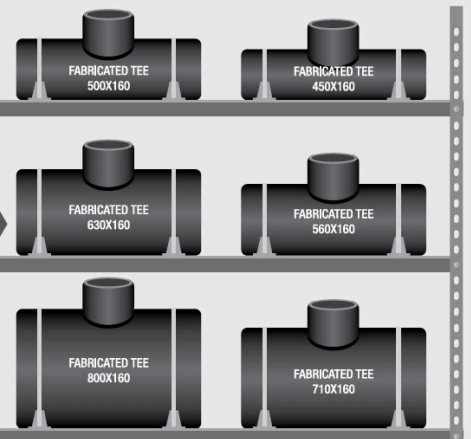
ALTERNATIVE - old butt weld fittings



PLASSON SADDLE 450-800X160



STORAGE



New Product

Electrofusion Branch Saddle with Integral Wire Clamp

For pipes up to 250mm with offtakes 110mm

PE100
HSCR
RESIN

Plasson's new electrofusion saddle does away with the need for fiddly parts and tools. The integral wire fastening system makes installation quick and easy.

Once the pipe has been prepared, the saddle can be installed within minutes using an Allen key to hand tighten one bolt.

Integral wire clamping system evenly distributes force over the fusion area, further improving electrofusion effectiveness

Full bore offtake minimises head loss

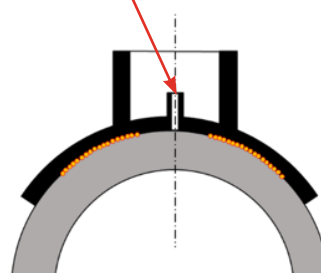
Large fusion zone increases welded contact area between saddle and pipe surfaces



Clamping via a single bolt tightened with a 18cm Allen key



Internal test spigot enables hydraulic test of weld before cutting into the pipe



CODE	PIPE DN	OFFTAKE	AVAILABILITY
4958154	125	110	Late 2020
4958155	140	110	Late 2020
4958156	160	110	Available
4958157	180	110	Available
4958158	200	110	Available
4958159	225	110	Late 2020
4958160	250	110	Late 2020

Other outlet sizes coming soon

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4958 - BRANCH SADDLE - WITH UNDERPART



Rigid Underpart
DN63-DN180 with
offtakes to 90mm



Strap Underpart
200-315mm with offtakes
to 90mm



Integral Red Wire
125-250mm with
110mm offtakes

SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
63	x	32	16	11	7-11	4958001
63	x	40	16	11	7-11	4958002
63	x	50	16	11	7-11	4958003
63	x	63	16	11	7-11	4958004
75	x	32	16	11	7-11	4958005
75	x	40	16	11	7-11	4958006
75	x	50	16	11	7-11	4958007
75	x	63	16	11	7-11	4958008
90	x	32	16	11	7-17	4958009
90	x	40	16	11	7-17	4958010
90	x	50	16	11	7-17	4958011
90	x	63	16	11	7-17	4958012
90	x	90	16	11	7-17	4958013
110	x	32	16	11	7-17	4958014
110	x	40	16	11	7-17	4958015
110	x	50	16	11	7-17	4958016
110	x	63	16	11	7-17	4958017
110	x	90	16	11	7-17	4958018
125	x	32	16	11	7-17	4958019
125	x	40	16	11	7-17	4958020
125	x	50	16	11	7-17	4958021
125	x	63	16	11	7-17	4958022
125	x	90	16	11	7-17	4958023
125	x	110	16	11	7-17	4958154
140	x	32	16	11	7-17	4958024
140	x	40	16	11	7-17	4958025
140	x	50	16	11	7-17	4958026
140	x	63	16	11	7-17	4958027
140	x	90	16	11	7-17	4958028
140	x	110	16	11	7-17	4958155
160	x	32	16	11	7-17	4958029
160	x	40	16	11	7-17	4958030
160	x	50	16	11	7-17	4958031
160	x	63	16	11	7-17	4958032
160	x	90	16	11	7-17	4958033
160	x	110	16	11	7-17	4958156
180	x	32	16	11	7-17	4958034
180	x	40	16	11	7-17	4958035
180	x	50	16	11	7-17	4958036
180	x	63	16	11	7-17	4958037
180	x	90	16	11	7-17	4958038
180	x	110	16	11	7-17	4958157
200	x	63	16	11	7-17	4958039
200	x	90	16	11	7-17	4958040
200	x	110	16	11	7-17	4958158
225	x	63	16	11	7-17	4958041
225	x	90	16	11	7-17	4958042
225	x	110	16	11	7-17	4958159
250	x	63	16	11	7-17	4958043
250	x	90	16	11	7-17	4958044
250	x	110	16	11	7-17	4958160
280	x	90	16	11	7-17	4958045
315	x	90	16	11	7-17	4958046

Plasson recommend waiting 4x cool down time indicated on the bar code before pressure and drilling hole in pipe

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4958 - BRANCH SADDLE - LARGE BORE



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
280-400	x	90	16	11	7-17	4958047
280-400	x	110	16	11	7-17	4958048
250	x	125	16	11	7-17	4958115
250	x	160	16	11	7.4-17.6	4958161
280-400	x	125	16	11	7-17	4958049
280-400	x	160	16	11	7-17	4958050
315-450	x	225	10	17	17-33	4758028*
315-355	x	250	16	11	7-17	4958092
400	x	250	16	11	7-17	4958082
450	x	250	16	11	7-17	4958093
450	x	280	16	11	11-26	4958116*
450	x	315	16	11	7-17	4958094
450-630	x	225	10	17	17-33	4758029*
450-800	x	90	16	11	7-26	4958051
450-800	x	110	16	11	7-26	4958052
450-800	x	125	16	11	7-26	4958053
450-800	x	160	16	11	7-26	4958054
500	x	200	16	11	11-26	4958105*
500	x	225	16	11	11-26	4958106*
500	x	280	16	11	11-26	4958117*
500	x	315	16	11	7-26	4958095
500	x	355	16	11	11-26	4958118
500-630	x	250	16	11	7-26	4958083
560	x	200	16	11	11-26	4958107*
560	x	225	16	11	11-26	4958108*
560	x	280	16	11	11-26	4958119
560	x	315	16	11	7-26	4958096*
560	x	355	16	10	11-26	4958120*
560	x	400	16	11	7-26	4958084
630	x	200	16	11	11-26	4958109*
630	x	225	16	11	11-26	4958110*
630	x	280	16	11	11-26	4958121*
630	x	315	16	11	7-26	4958097
630	x	355	16	11	11-26	4958122*
630	x	400	16	11	7-26	4958085
630-800	x	225	10	17	17-33	4758030*
710	x	200	16	11	11-26	4958111*
710	x	225	16	11	11-26	4958112*
710	x	250	16	11	7-33	4958098
710	x	280	16	11	11-26	4958123*
710	x	315	16	11	7-33	4958099*
710	x	355	16	11	11-26	4958124*
710	x	400	16	11	7-33	4958100*
800	x	200	16	11	11-26	4958113*
800	x	225	16	11	11-26	4958114*
800	x	250	16	11	7-41	4958101*
800	x	280	16	11	11-26	4958125*
800	x	315	16	11	7-41	4958102
800	x	355	16	11	11-26	4958126*
800	x	400	16	11	7-33	4958103*
900	x	90	-	-	-	4958086*
900	x	110	16	11	11-26	4958088*
900	x	125	16	11	11-41	4958089
900	x	160	16	11	11-41	4958090*
900	x	180	16	11	11-26	4958151*

Requires specialised installation tools - see page 138 for more information.

*Made to order

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

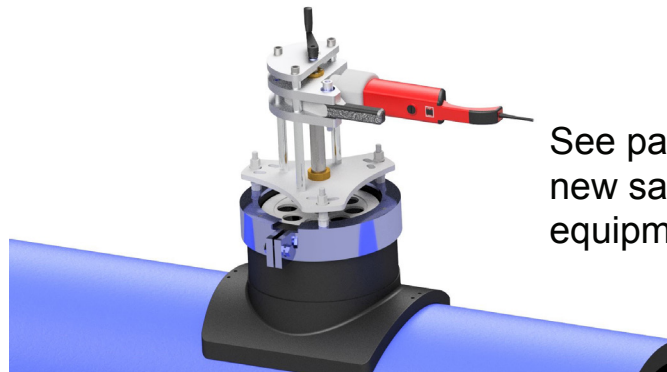
4958 - BRANCH SADDLE - LARGE BORE



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
900	x	200	16	11	11-41	4958152*
900	x	225	16	11	11-41	4958153*
900	x	250	16	11	11-41	4958087
900	x	280	16	11	11-41	4958127*
900	x	315	16	11	11-41	4958104*
900	x	355	16	11	17-41	4958128*
900	x	400	16	11	11-41	4958091*
1000	x	110	10	17	17-41	4958145*
1000	x	125	10	17	17-41	4958146*
1000	x	160	10	17	17-41	4958147*
1000	x	180	10	17	17-41	4958129*
1000	x	200	10	17	17-41	4958130*
1000	x	225	10	17	17-41	4958131*
1000	x	250	10	17	17-41	4958132*
1000	x	280	10	17	17-26	4958133*
1000	x	315	10	17	17-41	4958134*
1000	x	355	10	17	17-26	4958135*
1000	x	400	10	17	17-41	4958136*
1200	x	110	10	17	17-41	4958148*
1200	x	125	10	17	17-41	4958149*
1200	x	160	10	17	17-41	4958150*
1200	x	180	10	17	17-41	4958137*
1200	x	200	10	17	17-41	4958138*
1200	x	225	10	17	17-41	4958139*
1200	x	250	10	17	17-41	4958140*
1200	x	280	10	17	17-26	4958141*
1200	x	315	10	17	17-41	4958142*
1200	x	355	10	17	17-26	4958143*

Requires specialised installation tools - see page 138 for more information.

*Made to order



See page 139 for Plasson's
new saddle core cutting
equipment

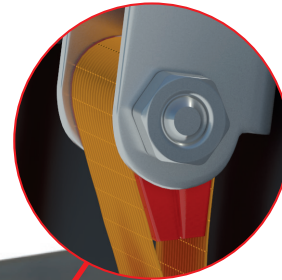
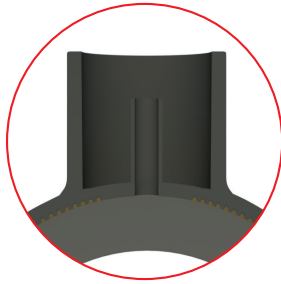
Large Bore Electrofusion Branch Saddles

Pipes 280-1200mm with offtakes to 160mm

PE100
HSCR
RESIN

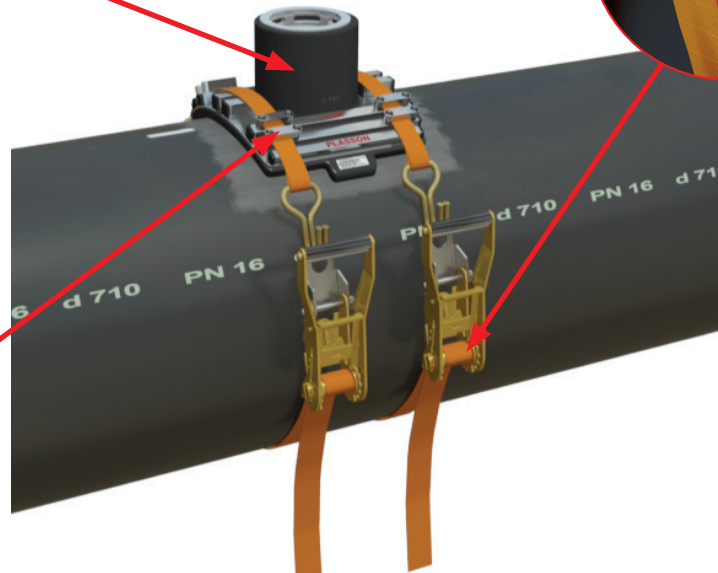
Weld Integrity Test

- A test port is incorporated into the saddle to enable a pressure test before cutting into the pipe



Correct Clamp Indicator Stamp

- Clamping Tool leaves a mark on the saddle to show if the correct clamps have been used at the correct tension

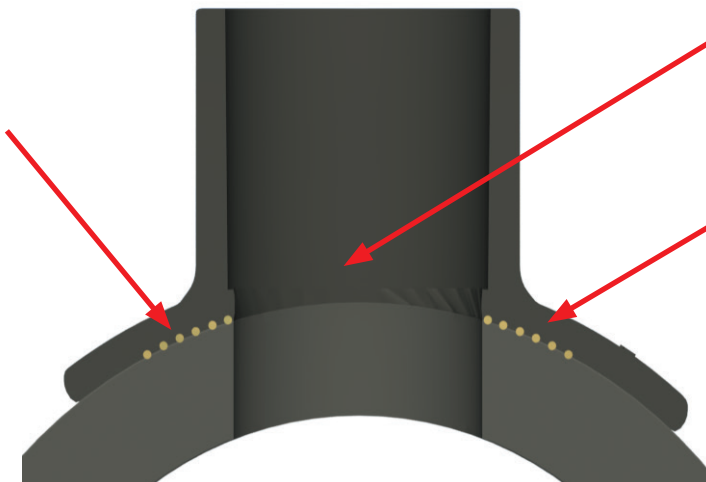


Correct Tightening Torque Indicator

- Correct tightening by either a torque indicator built-in into the straps or a torque wrench

Embedded Heating Wires

- Embedded heating wires limit the risk of physical damage to the wire
- Embedded wires are protected from environment during storage
- Instant heat transfer between coil and PE for fast gap closure
- Single welding time for ambient temperatures between -10°C to +45°C
- No temperature compensation required



Full Bore Outlet

- Better flow characteristics

Large Fusion Areas

- The welding zone reaches up to the internal bore of the outlet
- Ensures area of highest stress in the fitting occurs at the strongest part of the electrofusion weld
- Better durability under hard operating conditions

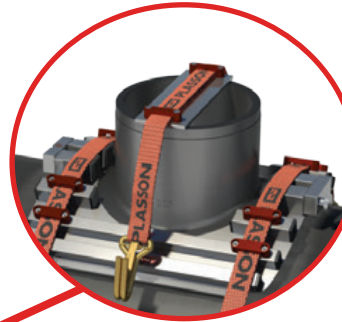
Installation Tools

Plasson Large Bore Electrofusion Saddles with offtakes 180-400mm



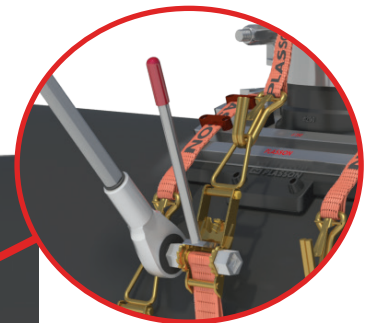
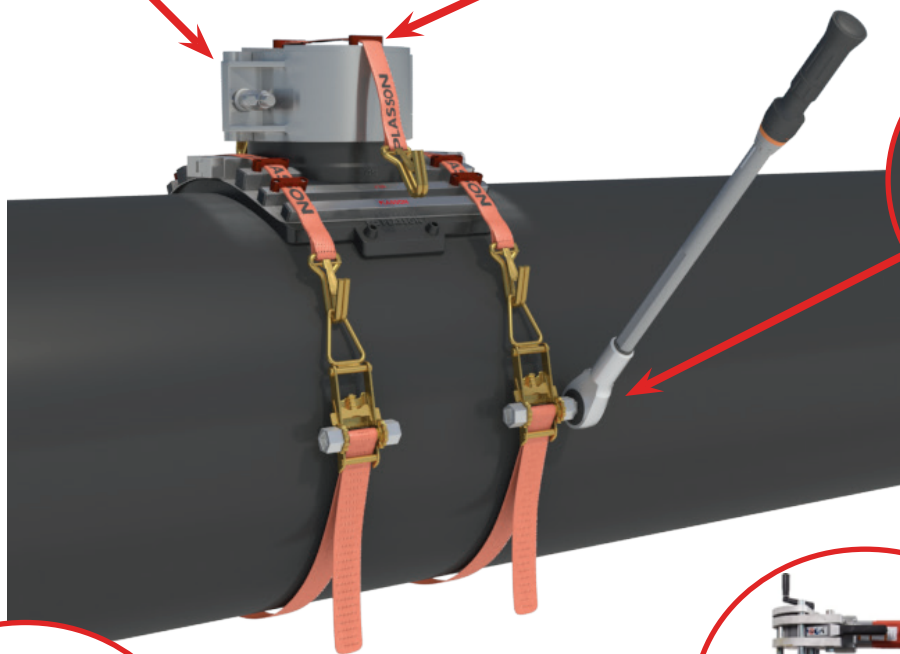
Rounding Ring

PN16 saddles with branches 180-250mm use a re-rounding ring to maintain the circular shape of the offtake during fusion. See page 133



Bar

PN16 saddles with branches 280-400mm and saddles with 225 branches, use a bar across the offtake to apply an even force over the fusion zone. See page 138



Torque Wrench

A torque wrench applies high tension to the straps and force to the clamp plate. See page 138



Core Cutter

Especially designed core cutters enable cutting through thick and thin wall pipe. See page 139



Drill

A drill support is necessary when core cutting offtakes above 250mm. See page 140



Hand-Held Drill

The core cutter can be operated with a hand-held drill and stabilizing arm up to and including 250mm offtakes. See page 140

ELECTROFUSION FITTINGS

**PE100
HSCR
RESIN**

4963 - TAPPING SADDLE - WITH UNDERPART



SIZE		WELDING CAP TYPE**	PN WATER	SDR GAS	SDR RANGE	CODE
40	x 20 mb	Type C	16	11	7-11	4963001
40	x 32 mb	Type C	16	11	7-11	4963002
50	x 20 mb	Type C	16	11	7-11	4963003
50	x 25 mb	Type C	16	11	7-11	4963004
50	x 32 mb	Type C	16	11	7-11	4963005
63	x 20 mb	Type C	16	11	7-11	4963006
63	x 25 mb	Type C	16	11	7-11	4963007
63	x 32 mb	Type C	16	11	7-11	4963008
63	x 40	Type A	16	11	7-17	4963009
63	x 50	Type A	16	11	7-17	4963010
63	x 63	Type A	16	11	7-17	4963011
75	x 20 mb	Type A	16	11	7-17	4963012
75	x 32	Type A	16	11	7-17	4963013
75	x 40	Type A	16	11	7-17	4963014
75	x 50	Type A	16	11	7-17	4963015
75	x 63	Type A	16	11	7-17	4963016
90	x 20 mb	Type A	16	11	7-17	4963017
90	x 25 mb	Type A	16	11	7-17	4963018
90	x 32 mb	Type B	16	11	7-17	4963019
90	x 40 mb	Type B	16	11	7-17	4963020
90	x 50	Type A	16	11	7-17	4963021
90	x 63	Type A	16	11	7-17	4963022
110	x 20 mb	Type A	16	11	7-17	4963023
110	x 25	Type A	16	11	7-17	4963068
110	x 32 mb	Type B	16	11	7-17	4963024
110	x 40 mb	Type B	16	11	7-17	4963025
110	x 50	Type A	16	11	7-17	4963026
110	x 63	Type A	16	11	7-17	4963027
125	x 20 mb	Type A	16	11	7-17	4963028
125	x 25 mb	Type B	16	11	11-17	4963067
125	x 32 mb	Type B	16	11	7-17	4963029
125	x 40 mb	Type B	16	11	7-17	4963030
125	x 50	Type A	16	11	7-17	4963031
125	x 63	Type A	16	11	7-17	4963032
140	x 20 mb	Type A	16	11	7-17	4963033
140	x 32	Type A	16	11	7-17	4963034
140	x 40	Type A	16	11	7-17	4963035
140	x 50	Type A	16	11	7-17	4963036
140	x 63	Type A	16	11	7-17	4963037
160	x 20 mb	Type A	16	11	7-17	4963038
160	x 25	Type A	16	11	7-17	4963066
160	x 32 mb	Type A	16	11	7-17	4963039
160	x 40 mb	Type A	16	11	7-17	4963040
160	x 50 mb	Type A	16	11	7-17	4963041
160	x 63 mb	Type A	16	11	7-17	4963042
180	x 20 mb+	Type A	16	11	7-11	4963043
180	x 25 mb+	Type A	16	11	7-17	4963065
180	x 32 mb+	Type A	16	11	7-11	4963044
180	x 40 mb+	Type A	16	11	7-11	4963045
180	x 50 mb+	Type A	16	11	7-11	4963046
180	x 63 mb+	Type A	16	11	7-11	4963047

**A Welding Cap can be permanently fixed to the Tapping Saddle via the electrofusion process. This prevents any accidental disassembly which can occur with the standard cap. Refer to page 103 for details of the Welding Cap. mb = Mono Block with fully moulded offtake.

*Strap underpart
+12 x 195mm Hex Key required to operate cutter.
13mm socket to tighten saddle-nuts elongated 25 x 13 socket for saddles ≤ 180.
Cut hole after welding and cooling completed.
Standard 30mm cutter in 160-250mm saddles will cut up to 25mm wall.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4963 - TAPPING SADDLE - WITH UNDERPART CONT.



SIZE	WELDING CAP TYPE**	PN WATER	SDR GAS	SDR RANGE	CODE
200 x 40*	Type A	16	11	7-17	4963050
200 x 50*	Type A	16	11	7-17	4963051
200 x 63*	Type A	16	11	7-17	4963052
225 x 20*	Type A	16	11	7-17	4963053
225 x 32*	Type A	16	11	7-17	4963054
225 x 40*	Type A	16	11	7-17	4963055
225 x 50*	Type A	16	11	7-17	4963056
225 x 63*	Type A	16	11	7-17	4963057
250 x 20*	Type A	16	11	7-17	4963058
250 x 32*	Type A	16	11	7-17	4963059
250 x 40*	Type A	16	11	7-17	4963060
250 x 50*	Type A	16	11	7-17	4963061
250 x 63*	Type A	16	11	7-17	4963062

**A Welding Cap can be permanently fixed to the Tapping Saddle via the electrofusion process. This prevents any accidental disassembly which can occur with the standard cap.

mb = Mono Block with fully moulded offtake.

*Strap underpart.

13mm socket to tighten saddle-nuts elongated

25x13 socket for saddles ≤ 180

Cut hole after welding and cooling completed.

Standard 30mm cutter in 160-250mm saddles

will cut up to 25mm wall.

d (main pipe diameter)	OD of Cutter (mm)
MONOBLOCK	
40 - 63	20
90 - 125	25
160 - 180	30
NON-MONOBLOCK	
63 - 250	30

4966 - LIGHTFIT TAPPING SADDLE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
Suitable for wastewater				
63 x 20	10	17	7-17	4966001

4983 - WELDING CAP FOR TAPPING SADDLES



SIZE	WELDING CAP TYPE	PN WATER	SDR GAS	SDR RANGE	CODE
40	Type C	16	11	7-11	4983001
50	Type B	16	11	7-11	4983002
57	Type A	16	11	7-11	4983003

2013 - HEX KEY FOR TAPPING SADDLES



The Plasson Hex Key is designed for use with all Plasson tapping saddles.

It comes with a 12mm square drive connection.

Wrench not included.

SIZE	CODE
12 x 200mm	2013001

Cut hole after 4x the cooling period indicated on the fitting label.

Plasson Sensor Adaptor



The Plasson Electrofusion Sensor Adaptor provides an innovative solution for connecting a sensor or gauge to the piping system, eliminating the need to apply improvised connections with high a risk of leakage or premature failure.

Plasson's sensor adaptors enable quick and easy integration of various sensors onto a wide range of PE pipe diameters.

Features

- ✓ Compact solution for fitting multiple sensors on a pipeline*
- ✓ 110-1200mm (110-400, 450-1200) pipes covered in two fittings reducing stock and increasing flexibility
- ✓ PN16 pressure rating
- ✓ 316 stainless steel outlet
- ✓ Eliminates unreliable hand-welding of fittings into a system
- ✓ Installation via a specialised tool with an optional strap or bolt to hold the sensor adaptor onto the pipe during welding

*A barcode reading machine is required to install the Plasson sensor adaptor.

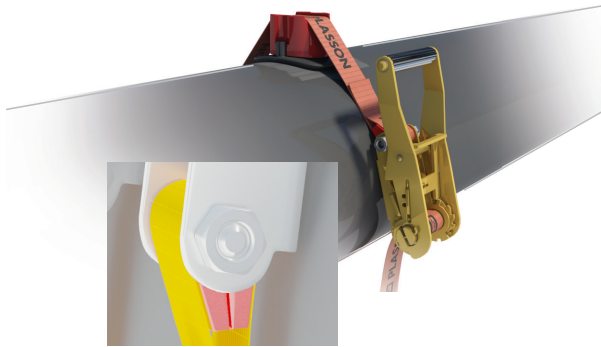


SADDLE TYPE	PIPE DN & SDR REQUIRED	CODE
110 - 400 x 1/2" BSP	DN225 ≤ SDR11	4938101
110 - 400 x 3/4" BSP	DN250 to DN280 (inclusive) ≤ SDR17.6	4938102
110 - 400 x 1" BSP	DN315 to DN355 (inclusive) ≤ SDR21	4938103
450 - 1200 x 1/2" BSP	DN400 ≤ SDR26	4938104
450 - 1200 x 3/4" BSP	≤ SDR26	4938105
450 - 1200 x 1" BSP		4938106

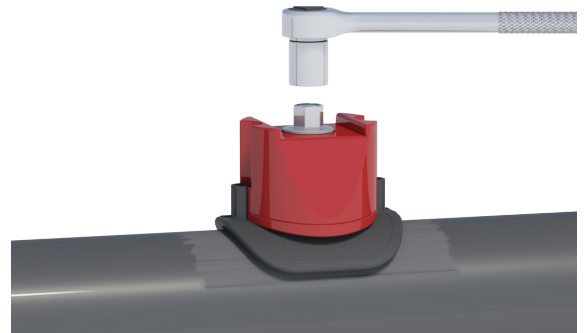
NPT Thread available on request.

Fast and Simple Installation

The Sensor Adaptor is designed to deal with the challenges of connecting to large PE pipes by obtaining full contact along the welding area. Challenges may be caused by ovality, deformation resulting from aging, handling and storage. Using one of the two unique yet simple clamping device options (strap or bolt) ensures the correct welding of the Sensor Adaptor.



Correct tightening force indicator on strap mechanism



Sensor Adaptor Installation Tool

SIZE	CODE
Sensor Adaptor Tool with Plastic Adaptor Plates	2015002



Hand-welded fittings



Plasson Sensor Adaptor

CASE STUDY

Eighty Plasson Sensor Adaptors installed at water treatment plant in Adelaide

South Australian company and PE pipe fabrication specialist, Statewide Poly Service Pty Ltd, were contracted to construct polyethylene pipework infrastructure for SA Water's Northern Adelaide Irrigation Scheme's (NAIS) Advanced Water Recycling Plant 20km north of Adelaide. The \$155.6m scheme will see new water treatment facilities built within the Bolivar precinct to increase its production of recycled irrigation water by 60 per cent.



Doug Sabel and his team at Statewide Poly Service Pty Ltd used Plasson Sensor Saddles to connect instrumentation, drain valves, take off's and pH sensors to a wide range of large bore PE pipe sizes. The project called for the installation of more than eighty Plasson Electrofusion Sensor Adaptors. The Plasson Sensor Adaptor alleviated the challenge of installing sensors in a limited space environment and negated the requirement for large bore PE saddles and tee pieces.

Plasson Sensor Adaptors are welded to the pipe using electrofusion technology. They are a safe, fast and reliable alternative to connecting instrumentation by means of attaching take-offs with extrusion welded fittings.



More than eighty sensor points were to be joined to pipes ranging in size from 225mm to 630mm. Due to the compact nature, several sensors were often designed to be installed circumferentially around the pipe.

Project Summary

Project Steps

1. Design by SA Water and Guidera O'Connor
2. Fabrication by Statewide Poly Service at Salisbury North SA
3. Delivery of components to the site by an oversize trailer truck
4. Further on-site fabrication and installation by Statewide Poly Service

Requirements

To install a wide range of instrumentation, valves and sensors to large bore PE pipe in a radial configuration

Project Planning

Guidera O'Connor

Products Used

Plasson Sensor Adaptor
Sensor Adaptor Installation Tool
Plasson Electrical Saddle Peeler

Product Range

Electrofusion Fittings & Tooling

Project Duration

February to July 2019

Plasson Sensor Adaptor

The Plasson Electrofusion Sensor Adaptor provides an innovative solution for connecting sensors, valves or gauges to PE piping system, eliminating the need to apply improvised connections with a high risk of leakage or premature failure. It also eliminates the requirement for extrusion welded fittings.

Initial Situation

In December 2017 SA Water announced the construction of a water recycling plant and associated infrastructure at the Bolivar Waste Water Treatment Plant in Adelaide (SA) to increase the production of recycled water.

The design by Guidera O'Connor called for more than eighty sensor points to be connected to pipes ranging in size from 225mm to 630mm. Due to the compact nature of the installation, several sensors were designed to be installed circumferentially around the pipe. Statewide Poly Service Pty Ltd, were contracted to construct polyethylene pipework infrastructure.

Task & Challenges

Traditionally, products like the Plasson large bore electrofusion transition saddle with a 2" offtake would be used with the outlet and then bushed down to the required outlet size, typically 1/2" or 3/4".

In this application, the footprint of a large bore saddle would create spacial issues, and the bushing down of the outlet would add unnecessary threaded connections and potential leak points in the system. Other methods such as extrusion welding were not deemed suitable because they would derate the pressure rating of the entire system.

The Plasson Electrofusion Sensor Adaptor overcame these challenges due to its compact footprint and smaller thread allowing direct connection of the sensor.

Outcome & Solution

The Plasson Sensor Adaptor is designed to deal with the challenges of connecting to large PE pipes by obtaining full contact along the welding area. These challenges may be caused by ovality, deformation resulting from aging, handling and storage.

The use of the Plasson Sensor Adaptor also alleviated the challenges of space and potential for leaks associated with large threaded reductions. Using an electrofusion process certified to an Australian Standard provided a fully rated system where other methods would derate the system or be impractical to install.

"The Plasson Sensor Adaptor provided an excellent cost-effective solution to the challenging task of installing a variety of different instruments and valves around the pipe in a radial fashion. The sensor saddles are a convenient single unit and are very easy to install. The final connection can be made using fewer components than would be required with a conventional saddle, and the simple clamping mechanism makes it very easy to install multiple saddles in a shorter time frame, reducing fabrication time. Plasson's service throughout the project has been excellent too."

Doug Sabel, Managing Director, Statewide Poly Service Pty Ltd

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4938 - TRANSITION SADDLE - BRASS FEMALE THREAD



NEW PRODUCT
SENSOR ADAPTOR
For more information go to page 104



Sizes 250-400, 450-800

SIZE		PN WATER	SDR GAS	SDR RANGE	CODE
63	x 1.1/4"	16	11	7-11	4938001
75	x 1.1/4"	16	11	7-11	4938002
90	x 1.1/2"	16	11	7-17	4938003
90	x 2"	16	11	7-17	4938004
110	x 1.1/2"	16	11	7-17	4938006
110	x 2"	16	11	7-17	4938007
125	x 1.1/2"	16	11	7-17	4938009
125	x 2"	16	11	7-17	4938010
140	x 1.1/2"	16	11	7-17	4938011
140	x 2"	16	11	7-17	4938012
160	x 1.1/2"	16	11	7-17	4938013
160	x 2"	16	11	7-17	4938014
180	x 1.1/2"	16	11	7-17	4938016
180	x 2"	16	11	7-17	4938017
200	x 2"	16	11	7-17	4938018
225	x 2"	16	11	7-17	4938019
250	x 2"	16	11	7-17	4938020
280-400	x 2"	16	11	7-17	4938021
450-800	x 2"	16	11	7-17	4938022

Cut hole after welding and cooling completed.

*Strap underpart

Saddle size 250-800 requires specialised installation strap clamp. See page 138 for details.

4958 - TRANSITION SADDLE - WITH UNDERPART PLASTIC FEMALE THREAD



SIZE		PN WATER	SDR GAS	SDR RANGE	CODE
63	x 1"	16	11	7-11	4958055
63	x 1.1/4"	16	11	7-11	4958056
63	x 1.1/2"	16	11	7-11	4958057

Threads 1.1/4" and above have a stainless steel reinforcing ring.

4968 - BALLOON SADDLE



SIZE		PN WATER	SDR GAS	SDR RANGE	CODE
90	x 2.1/2"	16	11	7-17	4968001
110	x 2.1/2"	16	11	7-17	4968002
125	x 2.1/2"	16	11	7-17	4968003
160	x 2.1/2"	16	11	7-17	4968004
180	x 2.1/2"	16	11	7-17	4968005
200	x 2.1/2"	16	11	7-17	4968006
225	x 2.1/2"	16	11	7-17	4968007
250	x 2.1/2"	16	11	7-17	4968008

Note: Sizes 110-250 have fabric understraps.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4952 - REPAIR SADDLE - WITH UNDERPART



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
63	16	11	7-11	4952001
75	16	11	7-11	4952002
90	16	11	7-17	4952003
110	16	11	7-17	4952004
125	16	11	7-17	4952005
140	16	11	7-17	4952006
160	16	11	7-17	4952007
180	16	11	7-17	4952008

4952 - DOUBLE REPAIR SADDLE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
63	16	11	7-11	4952009
90	16	11	7-17	4952010
110	16	11	7-17	4952011
160	16	11	7-17	4952012
200	16	11	7-17	4952013

4952 - LARGE BORE REPAIR SADDLE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
250-900	16	11	>14.7mm*	4952014

Repaired damage diameter 70mm: maximum diameter of a hole or length of crack that can be covered by the repair saddle

* 250-280: SDR 7-17

315-355: SDR 7-21

400-450: SDR 7-26

500-560: SDR 7-33

630-900: SDR 7-41

Requires specialised installation tools - see page 139 for information.



ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4958 - FULL FACED FLANGED HYDRANT BRANCH SADDLE (W/SS 316 BACKING RING)



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
90	x	3" Flange	16	11	7-17	4958058
90	x	3 3/4" Flange	16	11	7-17	4958069
110	x	3" Flange	16	11	7-17	4958059
110	x	3 3/4" Flange	16	11	7-17	4958070
125	x	3" Flange	16	11	7-17	4958060
125	x	3 3/4" Flange	16	11	7-17	4958071
140	x	3" Flange	16	11	7-17	4958061
140	x	3 3/4" Flange	16	11	7-17	4958072
160	x	3" Flange	16	11	7-17	4958062
160	x	3 3/4" Flange	16	11	7-17	4958073
180	x	3" Flange	16	11	7-17	4958063
180	x	3 3/4" Flange	16	11	7-17	4958074
200	x	3" Flange	16	11	7-17	4958064
200	x	3 3/4" Flange	16	11	7-17	4958075
225	x	3" Flange	16	11	7-17	4958065
225	x	3 3/4" Flange	16	11	7-17	4958076
250	x	3" Flange	16	11	7-17	4958066
250	x	3 3/4" Flange	16	11	7-17	4958077
280	x	3" Flange	16	11	7-17	4958067
280	x	3 3/4" Flange	16	11	7-17	4958078
315	x	3" Flange	16	11	7-17	4958068
315	x	3 3/4" Flange	16	11	7-17	4958079

Elongated slots suitable for four or eight hole flange drilling w/ PCD b/w 145 and 180mm.

3" Flange drilled 3" AS4087 PN16 / AS2129 Table D 316SS.

4" Flange drilled 3" and 4" AS4087 PN16 / AS2129 Table D 316SS.

Refer to page 173 and following for flange dimensions.

4902 - FULL FACED HYDRANT FLANGE ADAPTOR KIT



* For larger PE Full Face
Flanges go to page 149

	CODE
90mm SDR 11 Full Faced Flange with 3 3/4" SS316 Table D / PN16 Universal Backing Ring	4902004
90mm Full Faced Flanged Pipped to 450mm with 3/4" Table D / PN16	4902005
SS316 Universal Backing Ring	
90mm SDR 11 Full Faced Flange with 3" SS316 Table D / PN16 Backing Ring*	4902007
90mm Full Faced Flanged Pipped to 450mm with 3" Table D / PN16 SS316 Backing Ring	4902008
UNIVERSAL BACKING RING:	
90 x 80/100 S/S 316 Backing Ring to suit FFF Adaptors (Drilled 4 x 18 @ 146 PCD and 4 x 18 @178 PCD)	

Suits 80 to 100mm fire hydrant mountings - max ID of mating flange 80mm.

The Plasson SDR11/PE100 100mm full face flange complies with AS4087 PN16 and AS/NZS4129, is pressure rated at PN16 and can be connected to the various 90mm PE pipes using the following methods.

	PE 63	PE 80	PE 100
PN16	EF	EF	EF or BW
PN12.5	EF	EF	EF
PN10	EF or BW	EF or BW	EF
PN8	EF	EF	-
PN6.3	EF	-	-

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4954 - TAPPING VALVE - WITH UNDERPART



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE
63	x	32	16	11	7-11	4954001
63	x	40	16	11	7-11	4954002
63	x	50	16	11	7-11	4954003
63	x	63	16	11	7-11	4954004
75	x	32	16	11	7-11	4954005
75	x	40	16	11	7-11	4954006
75	x	50	16	11	7-11	4954007
75	x	63	16	11	7-11	4954008
90	x	32	16	11	7-17	4954009
90	x	40	16	11	7-17	4954010
90	x	50	16	11	7-17	4954011
90	x	63	16	11	7-17	4954012
110	x	32	16	11	7-17	4954013
110	x	40	16	11	7-17	4954014
110	x	50	16	11	7-17	4954015
110	x	63	16	11	7-17	4954016
125	x	32	16	11	7-17	4954017
125	x	40	16	11	7-17	4954018
125	x	50	16	11	7-17	4954019
125	x	63	16	11	7-17	4954020
140	x	32	16	11	7-17	4954021
140	x	40	16	11	7-17	4954022
140	x	50	16	11	7-17	4954023
140	x	63	16	11	7-17	4954024
160	x	32	16	11	7-17	4954025
160	x	40	16	11	7-17	4954026
160	x	50	16	11	7-17	4954027
160	x	63	16	11	7-17	4954028
180	x	32	16	11	7-17	4954029
180	x	40	16	11	7-17	4954030
180	x	50	16	11	7-17	4954031
180	x	63	16	11	7-17	4954032
200	x	32	16	11	7-17	4954033
200	x	40	16	11	7-17	4954034
200	x	50	16	11	7-17	4954035
200	x	63	16	11	7-17	4954036
225	x	32	16	11	7-17	4954037
225	x	40	16	11	7-17	4954038
225	x	50	16	11	7-17	4954039
225	x	63	16	11	7-17	4954040
250	x	32	16	11	7-17	4954041
250	x	40	16	11	7-17	4954042
250	x	50	16	11	7-17	4954043
250	x	63	16	11	7-17	4954044

PE TO NYLON FITTINGS

PE100
HSCR
RESIN

4911 - PE - NYLON COUPLING SYSTEM

400kPa gas



SIZE			SDR GAS	SDR RANGE	CODE
20PE(M)	x	18(F) Nylon	-	7-11	4911029
20PE(M)	x	23(F) Nylon	-	7-11	4911030
25PE(M)	x	18(F) Nylon	-	7-11	4911031
32PE(M)	x	18(F) Nylon	-	7-11	4911032
40PE(M)	x	18(F) Nylon	-	7-11	4911033
40PE(M)	x	40(M) Nylon	-	7-11	4911034
63PE(M)	x	40(M) Nylon	-	7-11	4911035
63PE(M)	x	50(M) Nylon	-	7-17	4911036

4961 - TAPPING SADDLE - PE TO NYLON WITH UNDERPART

400kPa gas



SIZE			SDR GAS	SDR RANGE	CODE
40	x	18 (F)	-	7-11	4961007
40	x	50 (M)	-	7-11	4961008
48*	x	18 (F)	-	7-11	4961009
50	x	18 (F)	-	7-11	4961010
63	x	18 (F)	-	7-11	4961011
63	x	50 (M)	-	7-11	4961012
90	x	18 (F)	-	7-11	4961013
90	x	50 (M)	-	7-17	4961014
110	x	18 (F)	-	7-17	4961015
110	x	50 (M)	-	7-17	4961016
160	x	18 (F)	-	7-17	4961017
160	x	50 (M)	-	7-17	4961018
180	x	18 (F)	-	7-17	4961019
180	x	50 (M)	-	7-17	4961020
200+	x	18 (F)	-	7-17	4961021
200+	x	50 (M)	-	7-17	4961022

Cut hole after welding and cooling completed.

+12mm Hex Key required to operate cutter. 13mm socket to tighten saddle nuts.

Elongated 25x13 socket for saddles ≤ 180.

*Supplied with curved bolts for AS4130 Series 3 GAS pipe.

ELECTROFUSION FITTINGS

PE100
HSCR
RESIN

4900 - FLEX RESTRAINT



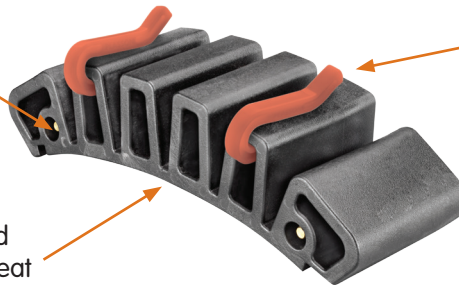
SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
160 to 1600 (6"-63")	-	-	-	4900001

Each unit restrains 31,000N (3,100kg) of axial force. Use multiple units to restrain higher forces.
Welding with barcode unit only.
Requires temperature compensation.
Requires specialised installation strap clamp. See page 135 for details.

Plasson Flex Restraint Advantages:

Terminals are side mounted, enabling use of a wide 50mm/2" strap, for better clamping

The embedded conducting wire is protected from damage. Embedding also improves heat transfer during fusion, creating a stronger bond between the restraint and pipe

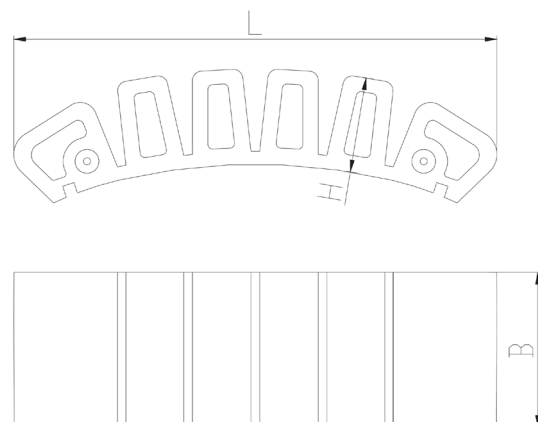


Clips allow easy positioning of clamping strap

Technical Specifications:

- Fits any PE pipe in the size range of 160-1600mm
- Made from virgin PE100 resin
- Can be welded by any standard EF control box with barcode reading or manual input
- Designed and tested to support 31,000N (3,100kg) of axial force. Use multiple units to achieve required force

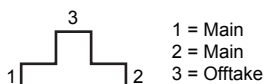
L	H	B	Wt.
202mm	40mm	65mm	300g



GEOHERMAL ELECTROFUSION SYSTEM

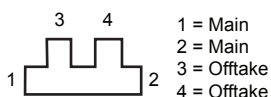
**PE100
HSCR
RESIN**

4911 - REDUCING TEE



SIZE			PN	SDR	SDR	CODE
1	2	3	WATER	GAS	RANGE	
32	32	25	16	-	7-11	4914004
40	40	25	16	-	7-11	4914006
40	40	32	16	-	7-11	4914007
50	50	25	16	-	7-11	4914009
50	50	32	16	-	7-11	4914010
50	50	40	16	-	7-11	4914011
63	63	32	16	-	7-11	4914012
63	63	40	16	-	7-11	4914014

4924 - REDUCING TEE TWO OUTLETS



1	2	3	4	PN	SDR	SDR	CODE
				WATER	GAS	RANGE	
40	40	25	25	16	-	7-11	4924001
40	40	32	32	16	-	7-11	4924002
50	50	25	25	16	-	7-11	4924003
50	50	32	32	16	-	7-11	4924004
63	63	25	25	16	-	7-11	4924006
63	63	32	32	16	-	7-11	4924007
63	63	40	40	16	-	7-11	4924008

4919 - Y REDUCER



1	2	3	PN	SDR	SDR	CODE
			WATER	GAS	RANGE	
32	25	25	16	11	7-11	4919001
40	32	32	16	11	7-11	4919002
50	40	40	16	11	7-11	4919003

4909 - 180° ELBOW



SIZE	PN	SDR	SDR	CODE
	WATER	GAS	RANGE	
25	16	11	7-11	4909001
32	16	11	7-11	4909002
40	16	11	7-11	4909003

GEOHERMAL ELECTROFUSION SYSTEM

**PE100
HSCR
RESIN**

4909 - 180° ELBOW CONNECTING BOLT KIT



SIZE		SDR GAS	SDR RANGE	CODE
25	Bolt Type M6 x 70	-	-	4909004
32	Bolt Type M6 x 90	-	-	4909005
40	Bolt Type M6 x 100	-	-	4909006

2007 - 180° ELBOW CLAMP



SIZE		SDR GAS	SDR RANGE	CODE
25-40	180° Elbow Clamp	-	-	2007009



DID YOU KNOW?

Plasson operates in more than 100 countries. With approximately 2,000 employees and over 25 subsidiaries worldwide, Plasson is a world leader in providing a wide range of flow solutions (fittings and valves) for connecting polyethylene pipelines.

ELECTROFUSION WASTEWATER SYSTEMS

PE100
HSCR
RESIN

Note: Fittings comply with AS/NZS 5065-2005. Pipes to SDR33. Lightfit fittings to be used with all wastewater spigots.

4758 - WASTEWATER SADDLE - FIXED 110MM 45° OUTLET



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
160 - 200 x 110	0.5	-	11-26	4758001
225 - 315 x 110	0.5	-	11-26	4758002

Requires specialised installation tool; see page 137

4706 - 45° LIGHTFIT ELBOW - FOR PIPES SDR 11 TO 33



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
110	10	17	11-33	4706001

4758 - WASTEWATER SADDLE - ADJUSTABLE 160MM OUTLET



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
225-250 x 160	-	-	11-26	4758003
280-315 x 160	-	-	11-26	4758004
355-560 x 160	-	-	11-26	4758005

Requires specialised installation tool; see page 137

4747 - ADJUSTABLE ELBOW FOR WASTE WATER 0 - 12°



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
160	16	-	11-26	4747001

4772 - 3702 - MANHOLE ADAPTOR



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE
160	-	-	-	4772001
225	-	-	-	4772002
280	-	-	-	4772003
180	-	-	-	3702001
200	-	-	-	3702002
250	-	-	-	3702003
315	-	-	-	3702004
355	-	-	-	3702005
400	-	-	-	3702006
500*	-	-	-	3702007
560*	-	-	-	3702008
630*	-	-	-	3702009

*Requires special shortened Plasson Lightfit coupler to connect to PE pipe. Contact Plasson.



Tooling



Plasson is an exclusive distribution partner for PFS.

PF-Schweißtechnologie GmbH (PFS)

Plasson's range of electrofusion tooling is designed and manufactured by our joint venture partner, PFS.

Founded in 1997 in Germany, PFS quickly developed into one of the world's leading manufacturers of plastic welding technologies for pipeline construction. The product range includes a wide variety of electrofusion control units, butt fusion machines, extensive accessories and a complete portfolio of tools for the preparation of plastic pipes for welding.



High Quality Products

Thousands of customers around the globe rely on the high quality of PFS products.

Product development is conducted by employees with many years of experience, know-how, dedication and with a high capacity to innovate.

Close cooperation with end users of PFS products and systems provides real field feedback to allow refinement of products, even at component level, resulting in products robust enough to handle even the most difficult site conditions.

For more information and the online catalogue please visit www.pfs-gmbh.com



Turn your Plasson Control Box into the ultimate welding machine with our **Plasson SmartFuse App**.



Available now

Go to smartfuseapp.plasson.com.au for more information

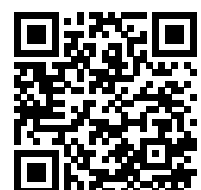
Features of the Free system:

- ✓ **Smartphone control** of your box, with no mobile network coverage needed
- ✓ **Improved quality control** with guided welding process and photo capture of crucial steps (kept with the weld record)
- ✓ **Data recording** including physical location of each weld
- ✓ Ability to **identify installer** of each weld
- ✓ Ability to **weld all fittings***



Smarter plumbing with Plasson.

PLASSON®
AUSTRALIA



*When used with a control box that already has the capability to weld all brands

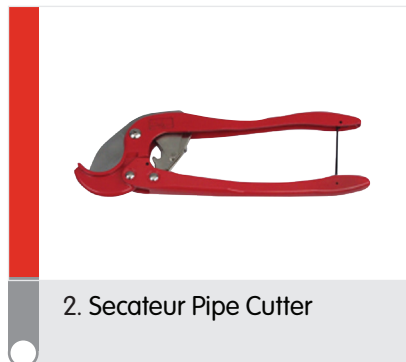
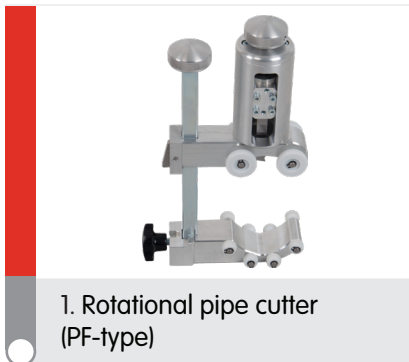
www.plasson.com.au

Pipe Preparation

Pipe preparation is the basis of the Electrofusion process.
The pipe preparation includes few simple yet important steps described below:

Pipe cutting:

Various approved pipe cutting tools



Marking and peeling:

In order to achieve a successful weld the oxide layer of the pipe must first be removed.
Mechanical peeling tools are strongly preferred, as they achieve a consistent pipe surface preparation.

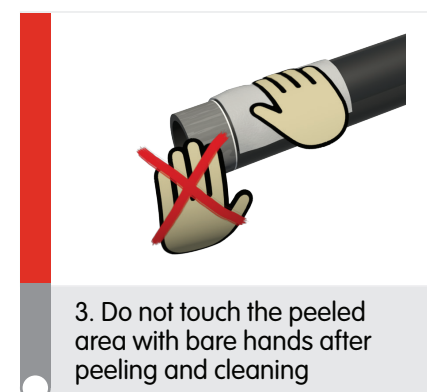
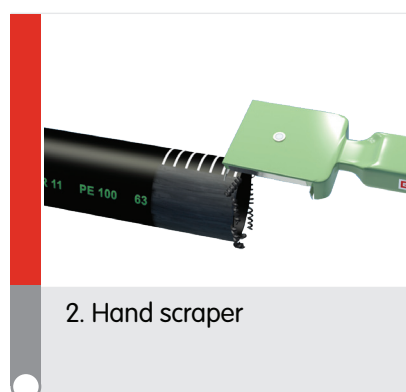
Hand scraper

When using hand scrapers - perform long even scrapes starting from outside the marked areas to avoid "cratering" in the fusion zone of the fitting.

Rotational peeler

Peeling is carried out to remove the oxidised material to the thickness specified by PIPA in POP001, Table 2, from the pipe surface. If the pipe diameter is still too large after peeling, additional peeling may be performed to facilitate insertion of the pipe inside the coupler, as long as the outside pipe diameter is kept to the same as, or above that specified in POP001 Table 3.

Rotational peeler / Hand scraper



Pipe re-rounding:

Electrofusion fittings are designed to be installed on round pipe.

Do not perform an electrofusion weld if the pipe does not meet the criteria defined below, at the position the fitting is to be installed.

Use a pipe re-rounder if necessary to correct pipe ovality.

For pipe DN < 315

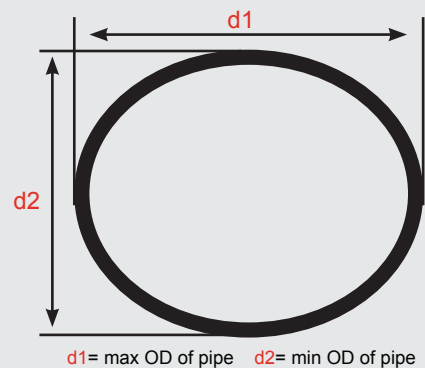
$d1 - d2 < 1.5\% \text{ DN}$ or 3mm (whichever is the smallest value)

For pipe DN ≥ 315

$d1 - d2 < 1\% \text{ DN}$ or 5mm (whichever is the smallest value)

It is extremely important to re-round the pipe prior to the welding process.

In order to do so, measure the pipe diameter with a suitable measuring tool to find the maximum and minimum diameter points and calculate the difference between these diameters.
Pipe ovality (out of roundness) = $d1 - d2$

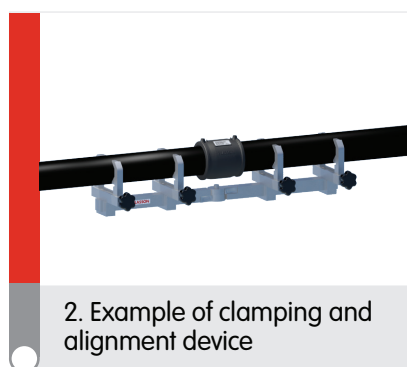


Clamping and alignment:

The fitting must be prevented from moving from its position on the pipe during fusion and cooling.

All electrofusion fittings should be clamped firmly to the pipe to ensure a strong bond develops in the fusion zone and stress is eliminated during fusion.

Example of clamping and alignment device



Plasson recommends installation of electrofusion fittings in accordance with PIPA guideline POP001.

The following excerpts from POP001 relate to tooling available from Plasson.

Cutting

Pipe ends to be joined are to be cut square. A pipe cutter should contain a blade and a guide.

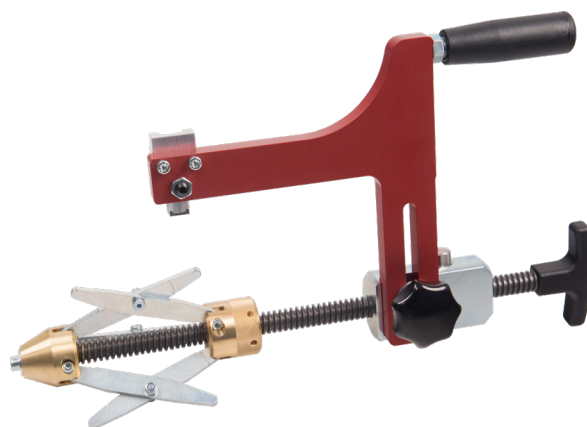
Peeling

In order to achieve a successful weld the oxidised surface of the pipe must first be removed using a mechanical peeling tool.

Mechanical or rotational peeling tools must be capable of removing a continuous and uniform peel thickness from the outer oxidised surface.

Pipe Peel Depth Requirements

Pipe Diameter (mm)	Peel Depth (mm)
≤ 25mm	0.2 Maximum
32 - 63mm	0.2 - 0.3 Maximum
75 - 225mm	0.2 - 0.4 Maximum
>225mm	0.3 - 0.5 Maximum



Cleaning

The surfaces to be electrofused must be completely clean and free of contaminants. It is essential to clean the peeled surface with Plasson pipe wipes to remove traces of dirt, mud and other contamination.

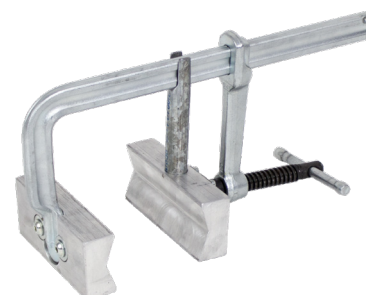


Rounding and Alignment Clamps

Alignment clamps are required for restraining, aligning or reducing the annular gap between the pipe and fitting during the fusion cycle.

Re-rounding clamps should be used for every electrofusion weld and must be used when the dimensions of the pipe fall out of the dimensions specified within POP014.

More information can be found at www.pipa.com.au



ELECTROFUSION TOOLING

1



Cutting

See page 129

2



Peeling

See page 130-132

3



Cleaning

See page 136

4



Re-rounding

See page 133 - 134

5



Alignment

See page 135

6



Electrofusion Control Boxes

See page 128

Introduction

The tools in this catalogue are designed for use with Polyethylene electrofusion fittings.

Plasson SmartFuse (Automatic) Electrofusion Fittings

Plasson SmartFuse electrofusion fittings have the following features:

- Automatic Weld Time Recognition System - avoids operator input errors
- Single Weld Time: -10°C to +45°C means temperature compensation is not required, no need for operator judgment and possible errors
- PN16 water/1000 kPa Gas systems - meets the most demanding technical requirements
- PN10 water/630 kPa Gas systems - for PE pipes down to SDR33
- ApprovalMark International (API) licensed system for EF fittings - No. 2018, AS/NZS 4129

A Smoother Process

By using Plasson SmartFuse fittings and PF control boxes there is no need for special barcode reading EF control boxes, or reference to temperature compensation tables, virtually eliminating the margin for error in this area, (provided the process is being carried out within a temperature range of -10° and +45°C). However, if users wish to have a control box capable of welding Plasson SmartFuse Fitting as well as manual or barcode fitting, Plasson has a control box that can operate both – The Polymatic Plus.

A Single Weld Time

According to the latest Standards, all electrofusion fittings must be able to produce welds at a temperature range of between -10° and +45°C, resulting in a variety of designs available to the market.

The Plasson SmartFuse Electrofusion system ensures that the energy supplied will weld fittings from a minimum -10° to +45°C at one standard single weld time. Fittings are tested within this range and are supplied with ApprovalMark International (AMI) Licence.

No Temperature Compensation

Other fittings being supplied to the Australasian market may meet ISO/EN standards but may require temperature compensation creating a more complex lengthier process that is more susceptible to human error. Where welding time is dependent on the ambient temperature, this requires a special barcode reading EF control box to sense the temperature, read the fittings barcode and adjust the weld time accordingly. Any additional work required relies on the legibility of the barcode and as assumption that the point at which the temperature is read does not widely differ from the temperature at the pipe/fitting assembly.

Without a special barcode reading EF control box, the weld operator must estimate the temperature at the joint site, read the temperature compensation tables correctly (if supplied and legible) and enter the new weld time into the box before the weld can proceed. This process relies on operator skill/judgment, is open to mistakes and may need a complex QC form to record the weld conditions used.

Pipe welding in direct sunlight: Pipe temperature may and often does exceed 45°C (up to 65°C). Welding must not be done in such situations. Many welds require sun shading to ensure pipe temperature does not exceed 45°C.

Plasson Automatic Control Boxes (manufactured by PFS, Germany)

PF control boxes dynamically monitor the welding process when used with Plasson Electrofusion fittings.

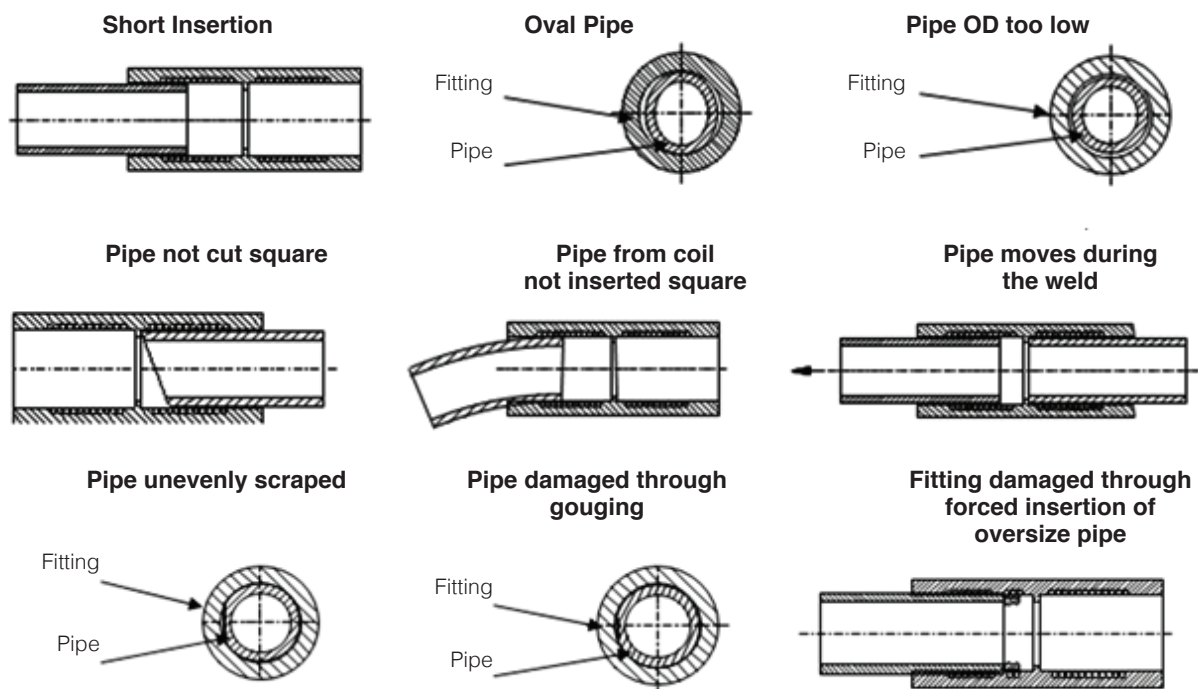
Benefits include:

- Dynamic monitoring - By continually monitoring the weld current, a PF control box will shut down if the current increases above the dynamic tolerance range, thereby avoiding the overheating and anti-oxidant depletion of PE materials which can adversely affect long-term weld integrity.
- Generator variability tolerance - PF control boxes are tolerant to generator variability as they accept a large voltage range and frequency variation.
- Numerous servicing centres for PF welding equipment are available in Australia and New Zealand.

What can go wrong?

Without dynamic monitoring of a Plasson Automatic Welding Control Box, faults may occur unnoticed during the weld process causing the fitting to fail once in general use. Common causes of this can be seen in the diagram below.

TYPICAL ELECTROFUSION WELDING FAULT



Please note:

Plasson Automatic Control Boxes will not carry out the dynamic monitoring process on other manufacturers' fittings.

SmartFuse 180

Electrofusion Control Box

New **lighter** and **smaller** SmartFuse control box

- ✓ Welds Plasson fittings to DN180
- ✓ Light < 14kg
- ✓ Compact (470 x 370 x 180mm)
- ✓ Bluetooth enabled for smartphones using Plasson SmartFuse App
- ✓ Use App to automatically determine and record welding parameters
- ✓ 10 amp plug
- ✓ Tough weather-proof carry case



Take good care of your Plasson control box

It is recommended that control boxes are serviced every 12 months or 200 hours of operation

Frequent servicing of your control box reduces the risk of operational problems interrupting the work flow and costing you money.

Plasson Australia service control boxes in their local facilities.

The control box will be evaluated and a quote sent for any repairs required.

A standard service includes:

- Recalibration
- Installation of latest software
- Inspection and testing of all components
- Calibration Certificate



If your control box is now due for service, complete the following "Service Request Form" and return to service@plasson.com.au

Service Request Form

Date:
DD/MM/YY

Your Details

Trading Name:

Postal Address:

Contact Person:

Email: Phone:

Control Box / Tool Details

Type: Serial No:

Type: Serial No:

Type: Serial No:

Notes: (eg: Error Message)

Freight (please select from the below options)

☐ **Your Freight**

Send to: Plasson Australia
49 Distribution Street, Larapinta QLD 4110

Freight account details (leave blank for Plasson arranged freight)

Company:

Account #:

Return Address: ☐ Same as Postal Address

☐ **Plasson Arranged**

Plasson to arrange and oncharge costs

Pick up Address: ☐ Same as Postal Address

Return Address: ☐ Same as above

NOTE: By returning this form to Plasson you acknowledge that an evaluation fee of net \$80 will be charged if the quote for repair is not accepted.

PLEASE SEND COMPLETED REQUEST TO:

E: service@plasson.com.au

TOOLING

Control Boxes

Control Box Comparison Table

Features	SmartFuse 180	PF Monomatic	PF Polymatic Plus USB	PF PolyControl Plus V2
3M Lead (Plasson code)	(2001026)	-	-	-
5M Lead (Plasson code)	-	(2001001)	(2001005)	-
10M Lead (Plasson code)	-	(2001002)	(2001006)	(2001008)
15M Lead (Plasson code)	-	(2001003)	(2001007)	-
Fitting size	up to 180mm (sizes above 100mm require cool down time between welds)	up to 355mm	up to 800mm (sizes above 355mm require cool down time between welds)	Almost all sizes. Some sizes between 800 and 1000mm may require a Mamut machine. No cool down required when using Polycontrol Plus V2.
Welds	Plasson only (competitor allowance with App)	Plasson only (competitor allowance with App)	Any EF fittings	Any EF fittings
Weld Tip Size	4.7/4.0mm Universal	4.7/4.0mm Universal	4.7/4.0mm Universal	4.7/4.0mm Universal
Bluetooth	Y	Y	Y	Y
Plasson SmartFuse Mode (Automatic)	Y	Y	Y	Y
Manual Input of Welding Time	N	N	Y	Y
Welding Voltage	39.5V (8-48V with app)	39.5V (8-48V with app)	8-48V	8-48V
Output Current (Maximum)	-	60A (80A)	80A (110)A	90A (105A)
Data recording	Y with App	Y with App	Y	Y
Multilingual Display Messages	Y	Y	Y	Y
Error messages in plain text	Y	Y	Y	Y
Adjustable display contrast	Y	Y	Y	Y
Dynamic process supervision	Y	Y	Y	Y
Auto software check	Y	Y	Y	Y
Resistance check	Y	Y	Y	Y
Ramped start	Y	Y	Y	Y
Service Message	After 200 Hours or 12 Months	After 200 Hours or 12 Months	After 200 Hours or 12 Months	After 200 Hours or 12 Months
Barcode reading capability	Y with App	Y with App	Y	Y
Fitting and Operator traceability	Y with App	Y with App	Y	Y
Earth Pin	10A	15A	15A	15A
Active Cooling	N	N	N	Y

*Detailed Specifications for each model available from Plasson.

REQUIRED GENERATOR SPECIFICATIONS

Input Voltage Range	190-300V
Frequency	40-70V
Minimum Output	18A at 240V - one phase
Must be able to drive inductive loads	
Must have phase cut control	
Mechanically regulated with brushes is the preferred system	
Synchronized generator	
Minimum	6.5 kVA - Mechanically Controlled
	7.5 kVA - Electronically controlled

MINIMUM REQUIRED GENERATOR OUTPUT POWER

240 V, 50Hz, 1-PHASE.

DIAMETER	OUTPUT POWER
20-75mm	2kW
90-160mm	3.2kW
180-500mm	4.5 kVA - (Mechanically Controlled)
	5 kVA - (Electronically Controlled)
≥500mm	6.5 kVA - (Mechanically Controlled)
	7.5 kVA - (Electronically Controlled)

TOOLING

2001 - ELECTROFUSION CONTROL BOXES



		CODE
SmartFuse 180	3M Fixed lead	2001026
Monomatic	5M Lead	2001001
Monomatic	10M Lead	2001002
Monomatic	15M Lead	2001003
Polymatic Plus USB	5M Lead	2001005
Polymatic Plus USB	10M Lead	2001006
Polymatic Plus USB	15M Lead	2001007
PolyControl Plus V2	10M Fixed Lead	2001008

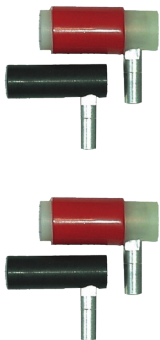
2002 - WELDING CABLES & ACCESSORIES



WELDING CABLES FOR MONOMATIC OR DIGIMATIC UNIVERSAL (4.0/4.7MM)	CODE
5M Detachable Lead	2002001
10M Detachable Lead	2002002
15M Detachable Lead	2002003

WELDING CABLES FOR POLYMATIC PLUS USB WITH UNIVERSAL (4.0/4.7MM) (READING PEN SOLD SEPARATELY)	CODE
5M Detachable Lead	2002004
10M Detachable Lead	2002005
15M Detachable Lead	2002006

2003 - WELDING TERMINAL PIN ADAPTORS



ADAPTORS	CODE
Adaptor 4.0 Lead / 4.7 fitting angle (pair)	2003001
Adaptor 4.7 Lead / 4.0 fitting angle (pair)	2003002

SMARTFUSE ADAPTORS	CODE
Adaptor 4.7 Lead / 4.7 fitting 90Deg angle For use with Plasson SmartFuse and other fittings	2003003
Adaptor 4.7 Lead / 4.0 fitting 90Deg angle For use with Plasson SmartFuse and other fittings	2003004
Adaptor 4.0 Lead / 4.7 fitting 90Deg angle For use with Plasson SmartFuse and other fittings	2003010

2900 - PARTS FOR UNIVERSAL TERMINALS



TIPS	CODE
Welding Terminal Sleeve	2900283
Spring	2900284
Welding Terminal - Standard	2900285
Welding Terminal - SmartFuse	2900289

Net price. No discount applicable.

TOOLING

2002 - BAR CODE READERS AND ACCESSORIES



READING PENS		CODE
Reading Pen 2DL (incl. Reading pen cable)		2002013
Barcode Scanner Touch ID (Cable & Hooded BAG)		2002015
TRANSPORT CASE		CODE
Orange Transport Case (Monomatic/ Digimatic/ Polymatic Plus)		2002017
Flight Case (Monomatic/ Digimatic/ Polymatic Plus)		2002016
Flight Case (Polycontrol Plus V2)		2002037
RULING AND MARKING		CODE
Magnetic Circular Pipe Ruler		2003006
Pi-Meter 20-700mm with Vernier 0.1mm		2003007
Pi-Meter 20-1200mm with Vernier 0.1mm		2003008
MARKING PENS		CODE
Marking pens broad white (12pens/1box)		2002032
Marking pens fine white (12pens/1box)		2002033

7990 - METRIC WRENCH



METRIC	X	LENGTH	BAG QTY	CODE
16	x	40	5	7990006
40	x	75	1	7990007
63	x	125	1	7990008

*For closing and tightening the PP nuts of Plasson fittings.
 It is important when closing the nut on Plasson fittings that the nut is NOT OVER-TIGHTENED as the nut can be deformed - this may result in a pipe blowing or pulling out of a fitting.
 Hand tighten and a further 1/2 turn with the wrench.
 *For rural 1/2"-2" and metric 16-32mm a wrench is not needed. Firmly hand tighten.

2004 - PIPE CUTTING



SECATEUR PIPE CUTTER		CODE
Pipe Cutter up to 63mm (Single Hand)		2004001
Pipe Cutter Spare Blade for 63mm (Single Hand)		2004002
Pipe Cutter up to 63mm (Two Hand Use) Spare Blade		2004003
ROTATIONAL PIPE CUTTER (S-TYPE)		CODE
Rotational Pipe Cutter 20-75mm		2004004
Rotational Pipe Cutter Spare Blade 20-75mm		2004005
Rotational Pipe Cutter 50-140mm		2004006
Rotational Pipe Cutter 90-160mm		2004007
Rotational Pipe Cutter Spare Blade 140/160mm		2004008
ROTATIONAL PIPE CUTTER		CODE
Rotational Pipe Cutter 32-125mm		2004009
Rotational Pipe Cutter Blade 32-125mm		2004010
Rotational Pipe Cutter 90-315mm		2004011
Rotational Pipe Cutter Blade 90-315mm - cement carbide		2004012
ROTARY CIRCULAR SAW KIT		CODE
180-400mm (Max. Cutting Depth 38mm)		2004018
250-500mm (Max. Cutting Depth 65mm)		2004015
500-1200mm (Max. Cutting Depth 85mm)		2004016

TOOLING

2006 - SCRAPING TOOLS



HAND SCRAPER	CODE
Hand Scraper - Small 1.1/2"	2006001
Blades for Small Hand Scraper (2)	2006002
Hand Scraper - Large 2.1/2"	2006003
Blades for Large Hand Scraper (2)	2006004

2006 - PIPE END PEELING TOOLS



PIPE END PEELER TOOL	CODE
Pipe End Peeler Tool 63-200mm	2006017
Pipe End Peeler Tool 90-315mm	2006018
Pipe End Peeler Tool 180-400mm	2006019
Rotational Pipe End Peeler 90-315mm (PE-X) 3-way rails*	2006074
Rotational Pipe End Peeler 180-400mm (PE-X) 3-way rails*	2006075
Spare Blade for Pipe End Peeler 63-200 (0.2mm peeling depth) Note: Product is supplied in a blue container.	2006020
Spare Blade for Pipe End Peeler 90-315/180-400 (0.3mm peeling depth) Note: Product is supplied in a red container.	2006029

*For peeling stub flanges and short spigots



DRILL POWERED PIPE END PEELER	CODE
Pipe End Peeler Drill Powered C/W Mandrels 25/32/40/50/63/75 SDR11 Incl Bosch Drill & Case*	2006035
Mandrel 20mm SDR11 and series 2 gas	2006038
Mandrel 25mm SDR11 and series 2 gas	2006073
Mandrel 32mm SDR11	2006058
Mandrel 32mm SDR17	2006067
Mandrel 40mm SDR9	2006076
Mandrel 40mm SDR11	2006059
Mandrel 40mm SDR13.6	2006072
Mandrel 40mm SDR17	2006068
Mandrel 50mm SDR11	2006060
Mandrel 50mm SDR17	2006069
Mandrel 63mm SDR7.4	2006077
Mandrel 63mm SDR11	2006061
Mandrel 63mm SDR17	2006070
Mandrel 75mm SDR7.4	2006078
Mandrel 75mm SDR11	2006062
Mandrel 75mm SDR17	2006071



*The "sets" come in 4 variations:

PES63 with 32mm, 40mm, 50mm and 63mm mandrels

PES75 with 25mm Gas/SDR11 combined, 32mm, 40mm, 50mm, 63mm and 75mm mandrels

PES63 with IXO drill and 32mm, 40mm, 50mm and 63mm mandrels

PES75 with IXO drill and 25mm Gas/SDR11 combined, 32mm, 40mm, 50mm, 63mm and 75mm mandrels

PES with single mandrel available on request.

Contact Plasson for details.

Drill Powered Pipe End Peeler Tool

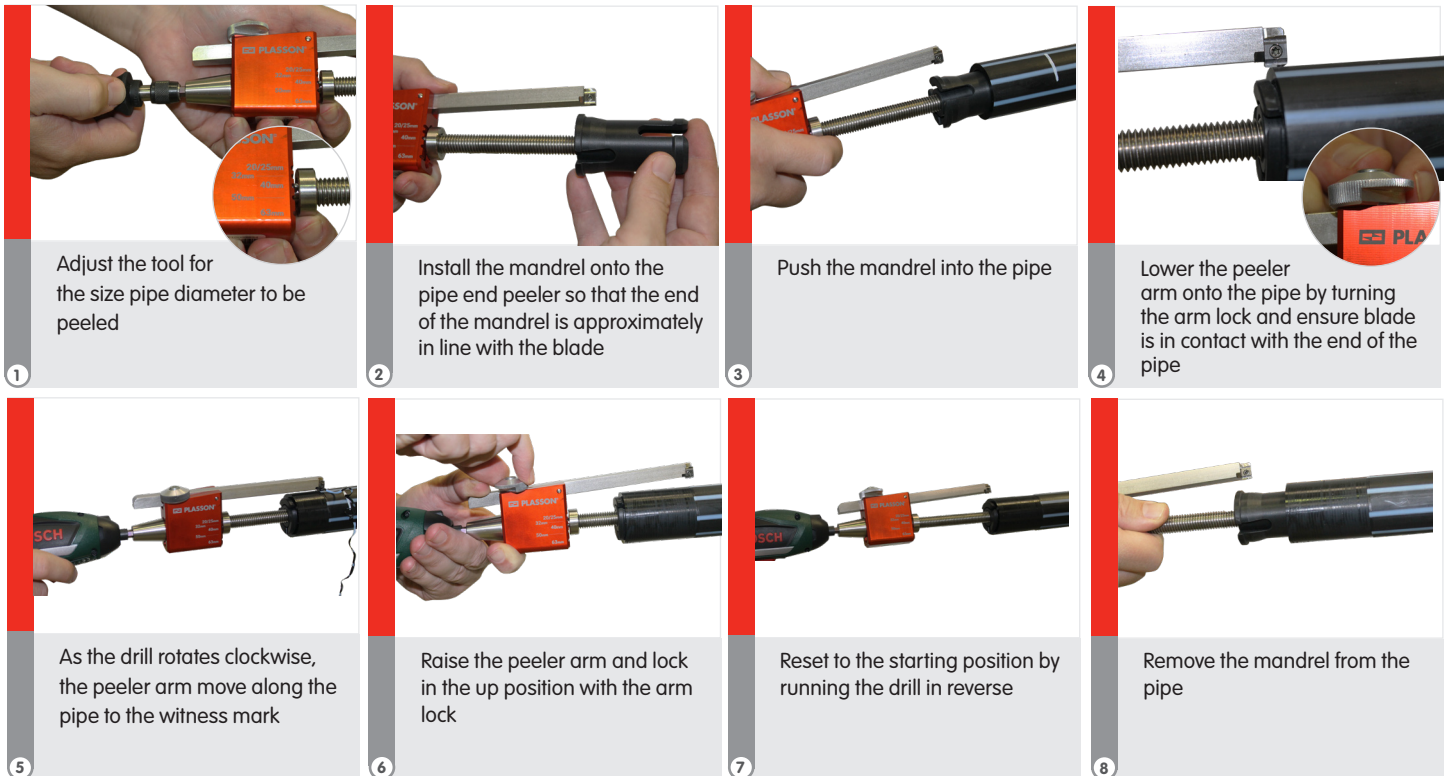


The Plasson Drill Powered Pipe End Peeler's innovative design enables rapid and consistent peeling of a wide range of small diameter PE pipes.

Mandrels are available for pipes from DN20 to DN75 to suit various SDR's. The DN20 and DN25 mandrels will accommodate both SDR11 and Series 2 gas pipe.

Features

- ✓ Fast and consistent peel depth over the complete weld surface
- ✓ Operates via a standard USB chargeable cordless drill
- ✓ Meets the requirements of the PIPA POP001 Guidelines and gas installation standard AS4645.3 which do not allow hand scraping tools



TOOLING

2006 - PEELING TOOLS



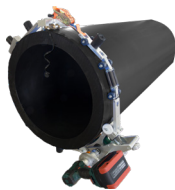
UNI-PEELER	CODE
Uni size peeler DN63	2006051
Uni size peeler DN75	2006052
Uni size peeler DN90	2006039
Uni size peeler DN110	2006040
Uni size peeler DN125	2006041
Uni size peeler DN140	2006042
Uni size peeler DN160	2006043
Uni size peeler DN180	2006044
Uni size peeler DN200	2006045
Uni size peeler DN225	2006046
Carbide blade - 2mm Blade for Uni-Peeler 63-180mm	2006012
Carbide blade - 3mm Blade for Uni-Peeler 200-225mm	2006016



ROTATIONAL PEELER	CODE
Rotational Pipe Peeler 20-63	2006013
Rotational Pipe Peeler Tool 20-125mm	2006014
Carbide blade - Rotational Peelers 20-63 & 20-125	2006012
Rotational Pipe Peeler Tool 90-315mm	2006015
Carbide blade - Rotational Peeler 90-315	2006016



ROTATIONAL CHAIN PEELER	CODE
Rotational Peeler Tool 250-450mm	2006021
Rotational Peeler Tool 250-800mm	2006022
Extension Links 900-1000mm for Rotational Chain Peeler 250-800mm	2006023
Rotational Peeler Tool 800-1200mm	2006024
Carbide blade - Rotational Chain Peeler 800/1200	2006016



BATTERY POWERED CHAIN PEELER - SELF DRIVEN	CODE
400-800mm (cordless) including 2 Batteries and 1 Charger 230V - Spare Blade 2006016	2006047
Extension 900-1000mm for 400-800mm unit	2006050
800-1200mm (cordless) including 2 Batteries and 1 Charger 230V	2006048
Carbide blade - Rotational Chain Peeler 800/1200	2006016



POWERED PEELERS	CODE
Electrical Saddle Peeler (230V)-(In 1450W out 830W) (230V) ≥ 110mm pipes. Cordless available on request (18V)	2012003



CHAMFER / BEVELER	CODE
RI Pipe Beveler 40-315 mm 40mm-315mm and wall thickness up to 30mm. To prepare the ends of pipe (suitable for PE, PP, PVDF, PVC). Helps to prevent damage to electrofusion zones during pipe insertion. Recommended for diameter above 125mm and all pipes from coils.	2006026
RI Pipe Beveler Spare Blade	2006025

7960 - METRIC CHAMFER TOOL - FOR PE PIPES



SIZE	CODE
20 - 63	7960001
Blade for Chamfer Tool	7960002

For overall pipe diameters from 20-63mm.
Operates like a pencil sharpener. Chamfering and lubricating pipes from 40-63mm, eases jointing pressures.

TOOLING

2008 - REROUNDING TOOLS



Two required - one rounding tool for each side of fitting.

REROUNDING CLAMP 32-63MM	CODE
40mm (incl. adaptor for 32mm)	2008001
63mm (incl. adaptor for 50mm)	2008002

REROUNDING CLAMP 63-400MM	CODE
63-180mm (Deforming force 0.85 tonne) (SET) Incl. Wooden Transport Case*	2008003
110-250mm (Deforming force 1.2 tonne)	2008004
180-315mm (Deforming force 2.2 tonne)	2008005
250-400mm (Deforming force 3.5 tonne)	2008006

*This item is already supplied as a pair.

REROUNDING RING 63-280MM	CODE
63mm	2008007
75mm	2008008
90mm	2008009
110mm	2008010
125mm	2008011
140mm	2008012
160mm	2008013
180mm	2008014
200mm	2008015
225mm	2008016
250mm (Heavy Duty)	2008017
280mm	2008018

HYDRAULIC ROUNDING SHELL	CODE
315-400mm	
Hydraulic Jack (315-400)	2008019
Rounding Shell 315mm (without jack)	2008020
Rounding Shell 355mm (without jack)	2008021
Rounding Shell 400mm (without jack)	2008022
450-630mm	
Hydraulic Jack (450-630)	2008023
Rounding Shell 450mm (without jack)	2008024
Rounding Shell 500mm (without jack)	2008025
Rounding Shell 560mm (without jack)	2008026
Rounding Shell 630mm (without jack)	2008027
710-900mm	
Hydraulic Jack (710-900)	2008028
Rounding Shell 710mm (without jack)	2008029
Rounding Shell 800mm (without jack)	2008030
Rounding Shell 900mm (without jack)	2008031

HYDRAULIC STRAP ROUNDER	CODE
450-710mm	2008048
Extension 800-1200mm	2008049
450-1200mm	2008050

MECHANICAL ROUNDING TOOL	CODE
450-560mm	2008033
630-710mm	2008034

TOOLING

2008 - REROUNDING TOOLS CONT.



POST SQUEEZE OFF REROUNDING SHELL 63-225MM

CODE

Used to round pipe after squeezing

63mm	2008035
75mm	2008036
90mm	2008037
110mm	2008038
125mm	2008039
140mm	2008040
160mm	2008041
180mm	2008042
200mm	2008043
225mm	2008044

2009 - SQUEEZE OFF TOOLS



CODE

50NB (Gas Services)

Suits NB 10, 18, 25 (1"), 32 (1.1/4'), 40 (1.1/2"), or 50mm (2" SDR 9.9 Pipes)

The SQT service squeeze tool is for flow stopping on either metric or imperial sizes of pipe.

2009001

16-63mm

Suits SDR11 16/20, 25, 32, 40, 50, 63mm & SDR17 63mm
Squeeze off is affected by turning the handle in a clockwise direction.

2009002

63-200mm (Excl. 140mm)

Suits 63-200mm SDR 11 & 17 (incl. 2 complete stopper sets)
Sizes: 63, 75, 90, 110, 125, 160, 180 and 200mm

Hydraulic operation.

Metric limit plates set at 1.6t.

Safety stops to prevent creep.

Springs return jack to park position after squeeze off.

Integral safety valve.

2009003

2010 - DEBEADING TOOLS



CODE

External Bead Remover EBR 25-90mm	2010001
External Bead Remover (Chain) 90-315mm	2010002
External Bead Remover Extension Chain 355-630mm	2010003

TOOLING

2007 - PIPE CLAMPING



ALIGNMENT CLAMPS

CODE

Pipe Clamp 16-63mm

Adjustable to suit couplers, reducers, 22.5° 45° & 90° elbows and tees. Promotes restraint during the electrofusion process. Infinitely variable grip clamps to suit any combination of sizes, 16-63mm.

Quick tightening operation, lightweight & easy to use.

2007001

Pipe Clamp 32-110mm

Adjustable to suit couplers, reducers, 22.5° 45° & 90° elbows and tees. Promotes restraint during the electrofusion process. Infinitely variable grip clamps to suit any combination of sizes, 32-110mm.

Quick tightening operation, lightweight & easy to use.

2007002

Pipe Clamp 63-225mm

Adjustable to suit couplers, reducers, 22.5° 45° & 90° elbows and tees. Promotes restraint during the electrofusion process. Infinitely variable grip clamps to suit any combination of sizes, 63-225mm.

Quick tightening operation, lightweight & easy to use.

2007011



STRAP CLAMPS

CODE

Used to prevent movement during the weld process. The Plasson Strap Clamp, a convenient, flexible system for holding PE pipes steady during the electrofusion process. Does not assist with rerounding. For larger dimensions it is recommended to combine two or more Pipe Clamps (Strap Clamp).

Pipe Clamp 110-560mm

4 pipe clamps, 2 base bars, angled adaptor
22.5°, 45°, 90° & 180°

2007005

Pipe Clamp 250-800mm

With 2 fixed clamps, 2 clamps required

2007006

Pipe Clamp 250-800mm Set

Included in set:

2 complete clamps each with a pulling clamp, a fixed clamp and pulling shoes for couplers. Allows you to pull the coupler over the pipe and the opposite pipe into the coupler to complete the insertion.

2007007

Pipe Support

Pipe support to 225mm

2007008



Plasson XL Welding Wipes

Super clean surfaces for successful electrofusion jointing



Important Note: Price Increase

Due to the large global demand for alcohol cleaning wipes and products, we have seen a dramatic increase in the cost to produce our Plasson Welding Wipes. As a result, we have had to increase the price of this product. We anticipate that these cost increases are short term and will ease once the COVID-19 pandemic stabilizes. We will reduce the price of this product as soon as the component costs return to normal levels.

PLASSON XL PIPEWIPES

CODE

Plasson XL Pipewipes

2005017

Plasson's specialised moist wipes are impregnated with a high specification 70% Isopropyl Alcohol solution to help ensure surfaces are clean and free from dust and debris before electrofusion jointing (scraping of pipe surface is still required). 120 sheets per canister.

Plasson's high-performance XL welding wipes provide the same cost-saving large design with enhanced features.

Plasson's specialised moist wipes are impregnated with a high specification 70% Isopropyl Alcohol solution to help ensure surfaces are clean and free from dust and debris before electrofusion jointing.

Features

- ✓ More than twice the volume of wipes compared to small canisters
- ✓ Manufactured by a world leader in medical grade wipes
- ✓ 22GSM wipe prevents contaminants transferring from hand, through the wipe, to the pipe surface
- ✓ Wipe material is thermally bonded rather than spun eliminating small fibres potentially contaminating the weld surface
- ✓ Wipe material is batch tracked for end-to-end quality control
- ✓ Isopropanol is chemically tested to ensure no trace contaminants

TOOLING

2011 - SPECIALIZED INSTALLATION TOOLING FOR PLASSON PRODUCTS



WASTEWATER SADDLE INSTALLATION TOOLS

CODE

Wastewater Clamping & Cutting Tool Set 110
110mm X 45Deg Fixed Outlet Saddle Clamp Kit.
Mains pipe sizes DN160-DN315
Includes: Saddle clamp, strap and ratchet
Core cutter with pilot drill
Drill not included

2011001

Tool for Wastewater Saddle 160
160mm Flexible Outlet Saddle Clamp Kit.
Main pipe sizes DN225-DN560
Includes: Saddle clamp, strap and ratchet
Core cutter with pilot drill
Drill not included

2011002

FLEX RESTRAINT

CODE

Flex Restraint installation clamp up to 900mm

2012005

Flex Restraint installation clamp up to 1200mm

2012061

Flex Restraint installation clamp up to 1600mm

2012062

SENSOR ADAPTOR

CODE

Sensor Adaptor Tool with Plastic Adaptor Plates

2015002

For more information go to page 102

TOOLING

2012 - LARGE BORE SADDLE INSTALLATION TOOLS

To install a Plasson Large Bore Saddle the following are required:

1. A Clamp Kit to suit the outlet size of the saddle.
2. A Strap Kit for outlet sizes 180mm - 400mm.
3. A Core Cutter to core the saddle after welding.
4. A Drill/Motor to operate the Core Cutter.



CLAMP KITS	CODE
L Saddle outlet 90-160mm Includes <ul style="list-style-type: none"> - Splittable plates: 90/110/125/160mm - Pressure Test Spigot Removal Tool - Rounding Ring suits 90/110/125/160 - Transport Case 	2012001
XL Saddle outlet 180-200mm Includes <ul style="list-style-type: none"> - Splittable Plate: 180/200mm - Reductions 180mm, 200mm and 225mm for Rounding Ring 250mm - Transport Case - Tensioning Tool Kit required 2012020 	2012040
XL Saddle outlet 225-250mm Includes <ul style="list-style-type: none"> - Splittable Plate: 225/250mm - Rounding Ring 250mm - Reduction 225mm for Rounding Ring 250mm - Transport Case - Tensioning Tool Kit required 2012020 	2012018
XXL Saddle outlet 280-315mm Includes <ul style="list-style-type: none"> - Splittable Plate: 280/315mm - Pressing Tool 280mm - Pressing Tool 315mm - Transport Case - Tensioning Tool Kit required 2012020 	2012029
XXL Saddle outlet 355-400mm Includes <ul style="list-style-type: none"> - Splittable Plate: 355/400mm - Pressing Tool 355mm - Pressing Tool 400mm - Transport Case - Tensioning Tool Kit required 2012020 	2019019

TENSIONING TOOL KIT for outlet sizes 180-400mm	CODE
Straps for clamping all Clamp Kits 180-1200mm Includes: <ul style="list-style-type: none"> - 3x Straps - 3x Ratchets - Torque wrench - Torque wrench adapter with fine tooth pitch - Pressure Test Spigot Removal Tool - Unlocking tool for ratchets - Adapter for pressure test pump 1/2" - Transport Case 	2012020

TOOLING

2012 - LARGE BORE SADDLE INSTALLATION TOOLS



SUPPORT BAR FOR LARGE BORE REPAIR SADDLE 250-900MM

CODE

Support Bar for Large Bore Repair Saddle 250-900mm
Use in conjunction with 160mm Saddle Outlet Kit

2012035



SADDLE PRESSURE TEST ADAPTOR

CODE

16mm pushfit x 1/2" pressure test adaptor for use with
Plasson Large Bore Saddles

2012038

PRESSURE TEST PIPE REMOVAL TOOL

CODE

Pressure Test Pipe Removal Tool for Plasson Saddle

2012010



CORE CUTTERS

CODE

Saddle outlet

Includes:

- 1x 90mm core cutter, Borehole 71mm*
- 1x 110mm core cutter, Borehole 87mm*
- 1x 125mm core cutter, Borehole 99mm*
- 1x 160mm core cutter, Borehole 127mm*

*Equipped with SDS-Max Adaptor

- 1x Centre Drill
- 1x Drill chuck connector
- 1x Connector for SDS-Plus
- 1x Transport Case

2012002

Saddle outlet 180mm

Core Cutter for 180mm outlet, Borehole 143mm
Includes Drill Adaptor and Case

2012050

Saddle outlet 200mm

Core Cutter for 200mm outlet, Borehole 159mm
Includes Drill Adaptor and Case

2012037

Saddle outlet 225mm

Core Cutter for 225mm outlet, Borehole 179mm
Includes Drill Adaptor and Case

2012044

Saddle outlet 250mm

Core Cutter for 225mm outlet, Borehole 199mm
Includes Drill Adaptor and Case

2012015

Saddle outlet 280mm

Core Cutter for 280mm outlet, Borehole 233mm
Includes Drill Adaptor and Case

2012051

Saddle outlet 315mm

Core Cutter for 315mm outlet, Borehole 251mm
Includes Drill Adaptor and Case

2012028

Saddle outlet 355mm

Core Cutter for 355mm outlet, Borehole 283mm
Includes Drill Adaptor and Case

2012052

Saddle outlet 400mm

Core Cutter for 400mm outlet, Borehole 319mm
Includes Drill Adaptor and Case

2012022

TOOLING

2012 - LARGE BORE SADDLE INSTALLATION TOOLS



Saddles with outlets 90-225mm use a hand operated drill.
Saddles with 250mm outlets can use a hand operated drill. A safety arm must be used to stabilize the drill.
Alternatively, the drill can be operated with the motor mounting clamp and motor.
Saddles 280mm and above use a motor mounting clamp and motor.
The same motor can be used on all outlets.

DRILLS - MOTOR

CODE

90-250mm Outlets. BE75-X3 Quick

2012016

250-400mm Outlet Motor

2012031

MOTOR MOUNTING CLAMP

CODE

250mm Motor Mounting Clamp

2012032

315mm Motor Mounting Clamp

2012033

355mm Motor Mounting Clamp for XXL Driller

2012060

400mm Motor Mounting Clamp

2012034

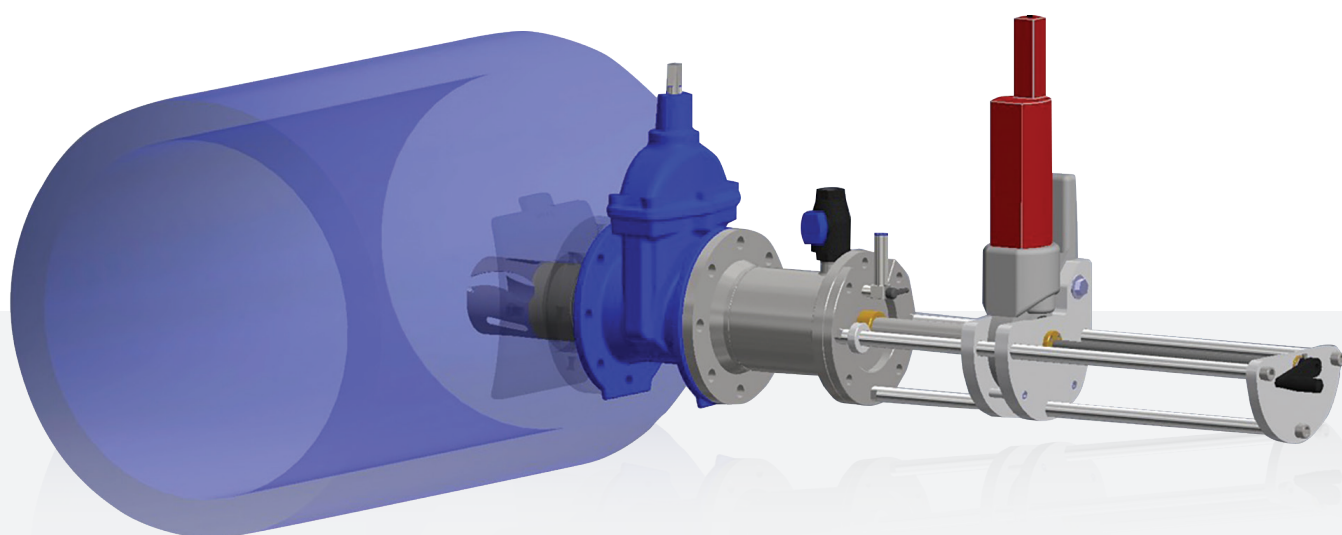
POWERED PEELERS

CODE

Electrical Saddle Peeler (230V)-(In 1450W out 830W)
(230V) ≥ 110mm pipes. Cordless available on request (18V).

2012003

Hot Tapping Tool for Large Bore Saddles



Contact Plasson for more information



CASE STUDY

Hot Tapping Gerringong Water Main Renewal

Project scope of works was to install a new section of a water main underneath a railway line. To ensure continued supply of water while the existing main line was replaced, a temporary 250mm PE bypass to the existing main was required. Using Plasson Large Bore Saddle and hot tapping tool, the hot tapping was performed by safely cutting into the existing 500mm PN16 PE pipe that was in use and under pressure. The newly installed pipe system is fully functional and will be reliable for the future.

Initial Situation

During the construction of a new section of water main for the local water authority Polyethylene pipeline installer, KenKar Plastics were asked to connect a bypass line to the existing main to ensure continuous water supply to the residents.

It required the installation of a Plasson large bore electrofusion saddle onto the existing polyethylene mainline that could then be live tapped to connect the temporary bypass line.

The project was completed successfully by using Plasson's new range of large bore saddles and live tapping tools (Hot Tapping).

The project site was on a section where the pipeline crossed underneath a railway line. This made the installation conditions extra challenging due to restricted access to the saddle installation site.

The saddle was successfully welded to the pipe, and a live full bore DN250 connection was drilled into the pipe and an isolation valve installed. The project was completed on time and to specification.

"This wasn't an easy task considering the difficult site conditions. Plasson was able to present a reliable solution that gave us the confidence to perform a live tap that works. On top of it, we highly valued the ease of installation of products as well as the time-saving and cost-effective element that comes with it."

Damien Heffernan, Project Engineer, KenKar Plastics

Project Summary

Project Steps

1. Run temporary bypass main and install saddle on the main line
2. Hot tap bypass into main
3. Shut down main while bypass is in operation by closing valves
4. Replace section of existing main and re-connect
5. Recommission main by re-opening valves

Requirements

- Safe cut into the existing pipe under pressure
- Simple and leak-free performance during hot tapping

Client / Contractor

KenKar Plastics / UEA Pty Ltd

Project Planning

KenKar Plastics,
Plasson Australia Pty Ltd

Products Used

- Plasson Large Bore Saddle 500-630mm x 250mm
- Plasson Hot Tapping Tool
- Plasson Variable Profile Clamping Tool

Project Period

1.5 days, October 2018

What is Hot Tapping?

Hot Tapping or Pressure Tapping is the ability to safely drill or cut into an existing pipe that is in use and under pressure.

Task

Plasson was asked by KenKar to present a solution to perform simple and reliable hot tapping.

For this hot tapping job, KenKar Plastics were looking for

- Ease of installation of products
- Assembly on a "live" pipe
- Cost-effective solution
- Minimum lead time of the required products
- Uncomplicated and leak-free hot tapping and firmly welded connection through the electrofusion process

Solution

To perform hot tapping Plasson is the only supplier that can offer a complete system which includes the saddle, hot tapping tool and profile clamping tool. Given the technological advantages of hot tapping, the main was still running, and the water supply to the town was ensured for the entire time.

The installation into the existing main was underneath the water table, so continuous pumping was necessary to be able to conduct the weld and perform the hot tapping. The Plasson Large Bore Saddle 630-500mm x 250mm was installed in place with minimal digging and lightweight equipment.

A Weld Integrity Test port is incorporated into the Plasson Large Bore Saddle to enable a pressure test before cutting into the pipe.

The Clamping Tool leaves a mark on the saddle to show if the correct sized clamps have been used at the correct tension. A Tension Force Indicator (TFI) is built into the strap mechanism – larger sizes are tightened with a torque wrench.

The unique design of the Plasson Large Bore Saddle increases the weld zone past the area of highest stress, which ensures a good weld to the extremity of the fitting. The weak point of the weld is removed and therefore, leads to increased durability under hard operating conditions.

Long-term functionality and pipe bonding are guaranteed. The saddle is used as a hydrant point.

Plasson Large Bore Saddle

Features & Benefits

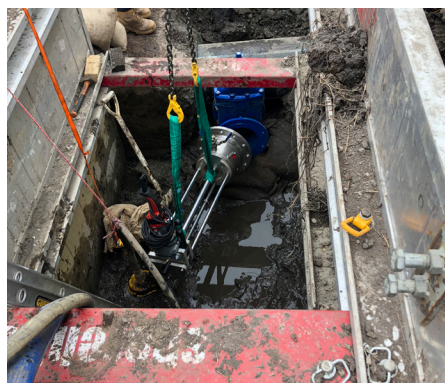
- Fast and simple installation
- Lightweight clamping system designed to obtain full contact along the welding zone, even when the pipe is oval or deformed
- Weld integrity test
- A simple test using a plumbers Pressure Testing Pump to check weld before core cutting
- Diameters up to DN1200, outlets up to DN400
- Full bore SDR11 outlet for better flow characteristics
- Plasson SmartFuse welding systems:
 - One weld time -10°C to + 45°C
 - Auto weld recognition (with Plasson Control Boxes)
 - Dynamic monitoring of welding parameters

Installation Tools

Plasson Hot Tapping Tool
Variable Profile Clamping Tool

Product Range

Electrofusion (EF) Branch Saddles



The existing main was underneath the water table, so continuous pumping was necessary to be able to conduct the weld and perform the hot tapping. The Plasson Large Bore Saddle was installed with minimal digging and lightweight equipment.

Authorised Service Centres

Eastern Australia

Plasson Australia

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Larapinta QLD 4110
P 1300 752 776
F 1300 248 027
E service@plasson.com.au

Servicing

All Control Boxes and Tooling

Western Australia

GTI Process Controls

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Bibra Lake WA 6163
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E service@gti-pc.com.au

Servicing

All Control Boxes

Enviropipes

1180 Abernethy Rd
Perth Airport WA 6105
P +61 8 9352 8444
F + 61 8 93528400
E sales@enviropipes.com.au

Servicing

All Control Boxes



SIMONA Spigot Fittings



Plasson is an exclusive distribution partner of SIMONA.

SIMONA – Global Thermoplastic Solutions

SIMONA AG is one of the leading manufacturers and development partners of high quality thermoplastic products with production facilities and sales offices around the globe.

They offer best-in-class solutions for your applications in the chemical process industry, water and energy utilities, commodity supply and mobility as well as the environmental technology and construction sectors.

SIMONA® Spigot Fittings

SIMONA is an acknowledged system supplier and one-stop manufacturer of piping systems designed for sustained efficiency and reliability in the field of water utilities, water disposal and industry. SIMONA® Piping Systems combine excellent flexibility and durability with outstanding functionality

Headquartered in Kirn (Germany), SIMONA® Spigot Fittings are manufactured in Germany and made to exacting product and quality standards.

With an extensive range of spigot fittings from DN20 to DN1200, SIMONA® Products are available for your application.

For more information visit www.simona.de

Plasson is proud to be the exclusive Australian distributor for SIMONA® Spigot Fittings and is committed to holding the widest range and most comprehensive stock holding in the country.

Backed with Plasson technical, sales and logistics support you will get the right SIMONA® Product, where and when you need it!

Trust the SIMONA and Plasson partnership!



Plasson PE100 HSCR fittings
For ultimate crack resistance



SIMONA injection moulded spigot fittings are now made of PE100 HSCR (High Stress Crack Resistant)

PE100 HSCR is a PE100 material which offers up to ten times higher resistance to slow crack growth than regular PE100. This is particularly important where the pipe is prone to damage during installation. It has the same pressure burst strength of conventional PE100 pipe but is specially formulated for use in critical or high-value pipeline assets where the risk of premature failure from slow crack growth is possible.

RC resins are listed in PIPA POP016 guideline.

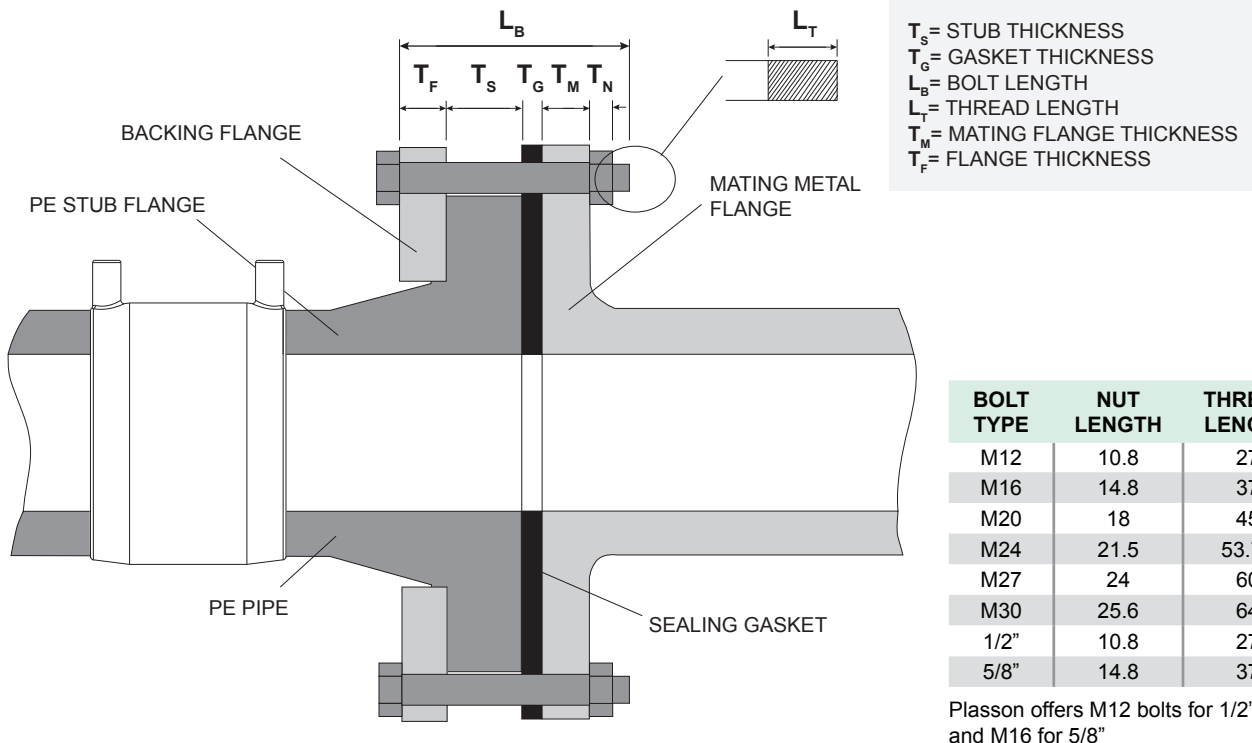
Benefits of PE100 HSCR:

- ✓ Produces a durable, hard-wearing pipeline
- ✓ Extends the service life of the entire piping system
- ✓ Enables cost-saving installation methods
- ✓ Maximum operational reliability

For more information on POP016 go to www.pipa.com.au/technical/pop-guidelines/

STUB FLANGE SYSTEMS

A typical stub flange system is shown below.



Calculating the required bolt length of a stub flange system is dependent on the dimensions of the components shown in the above picture. This catalogue shows Stub (T_S), Flange (T_F) and Gasket (T_G) thicknesses.

Metric Bolts are used with Table D and E, PN16 and PN21 flanges. These bolts have a fixed thread length and selecting the right length of bolt is important to ensure the nut has sufficient length to tighten the system.

The minimum length of the bolt must be greater than the thickness of all components combined while allowing sufficient thread for the nut to tighten onto.

$$L_B - L_T > T_F + T_S + T_G + T_M$$

The maximum length of the bolt must ensure that the nut doesn't bottom out on the thread of the bolt before sufficiently tightening the system. Usually 1.5x the nut length is allowed for tightening.

$$L_B - (1.5 \times T_N) < T_F + T_S + T_G + T_M$$

Metric Studs are typically used instead of bolts with PN35 flanges. Studs are threaded along the entire length and there is, therefore, no maximum length.

The minimum length of the stud is determined by the same method as for bolts.

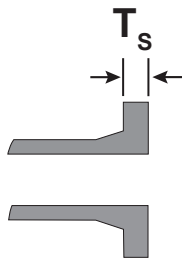
Lengths listed in this catalogue are theoretical and have not made any provision for system compression or any tolerances.

Please consult the relevant standards to ensure that the selected bolts are suitable for your application.

FITTINGS FOR ELECTROFUSION AND BUTTWELD

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STUB FLANGE FOR ISO/DIN/AS, LONG SPIGOT



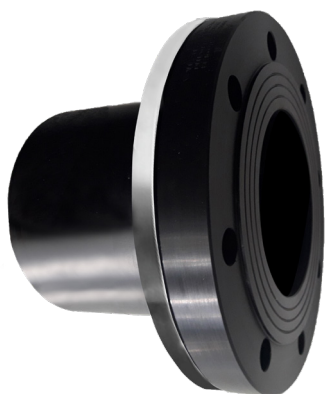
SIZE	THICKNESS (T _s)	MANU. METHOD	SDR	BAG QTY	CODE
20	9	INJECTED	11	10	8194035
25	9	INJECTED	11	5	8194036
32	10	INJECTED	11	5	8194001
40	11	INJECTED	11	-	8194002
50	12	INJECTED	11	-	8194003
63	14	INJECTED	11	-	8194004
75	16	INJECTED	11	-	8194005
90	17	INJECTED	11	-	8194006
110	18	INJECTED	11	20	8194007
125	25	INJECTED	11	8	8194008
140	25	INJECTED	11	12	8194009
160	25	INJECTED	11	8	8194010
180	30	INJECTED	11	8	8194011
200	32	INJECTED	11	8	8194012
225	32	INJECTED	11	7	8194013
250	35	INJECTED	11	6	8194014
280	35	INJECTED	11	5	8194015
315	35	INJECTED	11	2	8194016
355	40	INJECTED	11	2	8194017
400	46	INJECTED	11	1	8194018
450	60	INJECTED	11	-	8100515
500	60	INJECTED	11	1	8100516
560	60	INJECTED	11	-	8100517
630	60	INJECTED	11	-	8100518
50	12	INJECTED	17	-	8194019
63	14	INJECTED	17	-	8194020
75	16	INJECTED	17	-	8194021
90	17	INJECTED	17	-	8194022
110	18	INJECTED	17	20	8194023
125	18	INJECTED	17	8	8194024
140	18	INJECTED	17	12	8194025
160	18	INJECTED	17	8	8194026
180	20	INJECTED	17	8	8194027
200	24	INJECTED	17	8	8194028
225	24	INJECTED	17	7	8194029
250	25	INJECTED	17	6	8194030
280	25	INJECTED	17	5	8194031
315	25	INJECTED	17	2	8194032
355	30	INJECTED	17	2	8194033
400	33	INJECTED	17	1	8194034
450	60	INJECTED	17	-	8100519
500	60	INJECTED	17	1	8100520
560	60	INJECTED	17	-	8100521
630	60	INJECTED	17	1	8100522

New Product

PE Full Face Flanges

for **MAXIMUM** strength & sealing

Injection moulded



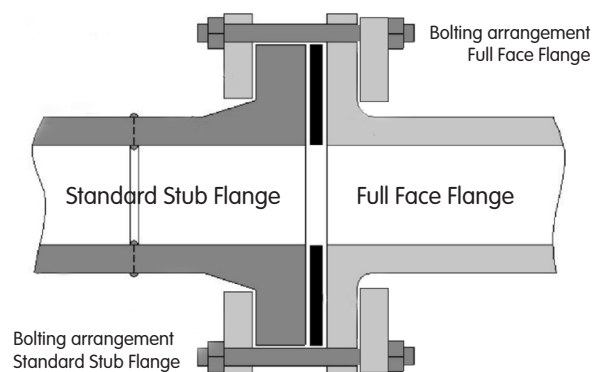
Injection moulded fittings are dimensionally correct every time, have low levels of material stress and are of consistent quality.

Key Features

- ✓ AS4087, PN16 rated
- ✓ Injection moulded spigot conforms to ASNZS 4129
- ✓ Plasson SS 316L backing ring fully complies with the PIPA POP007 guideline
- ✓ Highest quality virgin PE100 HSCR resins for improved performance
- ✓ Long spigot for electrofusion or butt welding

NEW

CODE	Description
8194100	Full Face Flange 125mm SDR 11 with 4" AS4087 PN16 SS Backing Flange
8194101	Full Face Flange 180mm SDR 11 with 6" AS4087 PN16 SS Backing Flange
8194102	Full Face Flange 225mm SDR 11 with 8" AS4087 PN16 SS Backing Flange



Code	Description
4902007	Full Face Flange 90mm SDR 11 with 3" SS316 Table D/PN16 Backing Flange

FITTINGS FOR ELECTROFUSION AND BUTTWELD

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CONCENTRIC REDUCER LONG SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
25 x 20	INJECTED	11	10	8100208
32 x 20	INJECTED	11	5	8100209
32 x 25	INJECTED	11	5	8100210
40 x 25	INJECTED	11	5	8100211
40 x 32	INJECTED	11	5	8100141
50 x 25	INJECTED	11	5	8100142
50 x 32	INJECTED	11	2	8100143
50 x 40	INJECTED	11	2	8100144
63 x 32	INJECTED	11	60	8100145
63 x 40	INJECTED	11	10	8100146
63 x 50	INJECTED	11	50	8100147
75 x 50	INJECTED	11	1	8100148
75 x 63	INJECTED	11	30	8100149
90 x 50	INJECTED	11	20	8100150
90 x 63	INJECTED	11	20	8100151
90 x 75	INJECTED	11	20	8100152
110 x 63	INJECTED	11	16	8100153
110 x 75	INJECTED	11	16	8100154
110 x 90	INJECTED	11	16	8100155
125 x 63	INJECTED	11	10	8100156
125 x 90	INJECTED	11	9	8100157
125 x 110	INJECTED	11	9	8100158
140 x 90	INJECTED	11	12	8100159
140 x 110	INJECTED	11	12	8100160
140 x 125	INJECTED	11	12	8100161
160 x 90	INJECTED	11	10	8100162
160 x 110	INJECTED	11	10	8100163
160 x 125	INJECTED	11	10	8100164
160 x 140	INJECTED	11	10	8100165
180 x 90	INJECTED	11	8	8100166
180 x 110	INJECTED	11	8	8100167
180 x 125	INJECTED	11	8	8100168
180 x 160	INJECTED	11	8	8100169
200 x 140	INJECTED	11	8	8100170
200 x 160	INJECTED	11	6	8100171
200 x 180	INJECTED	11	5	8100172
225 x 160	INJECTED	11	4	8100173
225 x 180	INJECTED	11	4	8100174
225 x 200	INJECTED	11	4	8100175
250 x 160	INJECTED	11	3	8100176
250 x 180	INJECTED	11	3	8100177
250 x 200	INJECTED	11	2	8100178
250 x 225	INJECTED	11	2	8100179
280 x 200	INJECTED	11	2	8100180
280 x 225	INJECTED	11	2	8100181
280 x 250	INJECTED	11	2	8100182
315 x 225	INJECTED	11	4	8100183
315 x 250	INJECTED	11	4	8100184

FITTINGS FOR ELECTROFUSION AND BUTTWELD

PE100
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CONCENTRIC REDUCER LONG SPIGOT CONT.



SIZE			MANU. METHOD	SDR	BAG QTY	CODE
315	x	280	INJECTED	11	4	8100185
355	x	250	MACHINED	11	-	8100186
355	x	280	MACHINED	11	-	8100187
355	x	315	MACHINED	11	-	8100188
400	x	280	MACHINED	11	-	8100189*
400	x	315	MACHINED	11	-	8100190
400	x	355	MACHINED	11	-	8100191
450	x	280	MACHINED	11	-	8100192*
450	x	400	MACHINED	11	-	8100195
500	x	315	MACHINED	11	-	8100196
560	x	355	MACHINED	11	-	8100200*
560	x	450	MACHINED	11	-	8100202*
560	x	500	MACHINED	11	-	8100203*
630	x	400	MACHINED	11	-	8100204*
630	x	450	MACHINED	11	-	8100205*
630	x	500	MACHINED	11	-	8100206*
630	x	560	MACHINED	11	-	8100207*
63	x	32	INJECTED	17	14	8149105*
63	x	50	INJECTED	17	10	8149107*
75	x	63	INJECTED	17	20	8149108
90	x	63	INJECTED	17	20	8149110
90	x	75	INJECTED	17	20	8149111
110	x	63	INJECTED	17	16	8149112
110	x	75	INJECTED	17	16	8149113*
110	x	90	INJECTED	17	14	8149114
125	x	63	INJECTED	17	10	8149115
125	x	90	INJECTED	17	9	8149116
125	x	110	INJECTED	17	9	8149117
140	x	90	INJECTED	17	12	8149118*
140	x	110	INJECTED	17	12	8149119*
140	x	125	INJECTED	17	14	8149120
160	x	90	INJECTED	17	10	8149121
160	x	110	INJECTED	17	10	8149122
160	x	125	INJECTED	17	10	8149123
160	x	140	INJECTED	17	10	8149124

*Available on request

FITTINGS FOR ELECTROFUSION AND BUTTWELD

PE100
HSCR
RESIN

CONCENTRIC REDUCER LONG SPIGOT CONT.



SIZE			MANU. METHOD	SDR	BAG QTY	CODE
180	x	110	INJECTED	17	8	8149126
180	x	125	INJECTED	17	8	8149127
180	x	140	INJECTED	17	-	8149128*
180	x	160	INJECTED	17	8	8149129
200	x	140	INJECTED	17	6	8149130*
200	x	160	INJECTED	17	6	8149131
200	x	180	INJECTED	17	5	8149132*
225	x	140	INJECTED	17	-	8149133
225	x	160	INJECTED	17	4	8149134
225	x	180	INJECTED	17	4	8149135
225	x	200	INJECTED	17	4	8149136*
250	x	160	INJECTED	17	3	8149137
250	x	180	INJECTED	17	6	8149138
250	x	200	INJECTED	17	2	8149139
250	x	225	INJECTED	17	2	8149140
280	x	200	INJECTED	17	2	8149141*
280	x	225	INJECTED	17	2	8149142*
280	x	250	INJECTED	17	2	8149143*
315	x	225	INJECTED	17	2	8149144*
315	x	250	INJECTED	17	4	8149145*
315	x	280	INJECTED	17	4	8149146*
355	x	250	MACHINED	17	-	8149147*
355	x	280	MACHINED	17	-	8149148*
355	x	315	MACHINED	17	-	8149149
400	x	280	MACHINED	17	-	8149150*
400	x	355	MACHINED	17	-	8149152
450	x	280	MACHINED	17	-	8149153*
500	x	355	MACHINED	17	-	8149158*
500	x	450	MACHINED	17	-	8149160*
560	x	400	MACHINED	17	-	8149162*
560	x	450	MACHINED	17	-	8149163*
560	x	500	MACHINED	17	-	8149164*
630	x	400	MACHINED	17	-	8149165*
630	x	450	MACHINED	17	-	8149166*
630	x	500	MACHINED	17	-	8149167*
630	x	560	MACHINED	17	-	8149168*

*Available on request

FITTINGS FOR ELECTROFUSION AND BUTTWELD

PET100
HSCR
RESIN

TEE LONG SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
20	INJECTED	11	10	8103083
25	INJECTED	11	5	8103084
32	INJECTED	11	5	8103053
40	INJECTED	11	2	8103054
50	INJECTED	11	1	8103055
63	INJECTED	11	16	8103056
75	INJECTED	11	12	8103057
90	INJECTED	11	12	8103058
110	INJECTED	11	10	8103059
125	INJECTED	11	6	8103060
140	INJECTED	11	4	8103061
160	INJECTED	11	8	8103062
180	INJECTED	11	4	8103063
200	INJECTED	11	3	8103064
225	INJECTED	11	3	8103065
250	INJECTED	11	1	8103066
280	INJECTED	11	1	8103067
315	INJECTED	11	1	8103068
355	INJECTED	11	1	8193001
400	INJECTED	11	1	8193002*
450	INJECTED	11	1	8193003*
500	INJECTED	11	1	8193004
560	INJECTED	11	1	8100546
630	INJECTED	11	1	8100547
50	INJECTED	17	1	8103069
63	INJECTED	17	16	8103070
90	INJECTED	17	12	8103072
110	INJECTED	17	10	8103073
125	INJECTED	17	6	8103074
140	INJECTED	17	4	8103075
160	INJECTED	17	8	8103076
180	INJECTED	17	4	8103077
200	INJECTED	17	3	8103078
225	INJECTED	17	2	8103079
250	INJECTED	17	1	8103080
280	INJECTED	17	1	8103081
315	INJECTED	17	1	8103082
355	INJECTED	17	1	8193005*
400	INJECTED	17	1	8193006*
450	INJECTED	17	1	8193007*
500	INJECTED	17	1	8193008*
560	INJECTED	17	1	8100544
630	INJECTED	17	1	8100545

*Available on request

FITTINGS FOR ELECTROFUSION AND BUTTWELD

PE100
HSCR
RESIN

REDUCING TEE LONG SPIGOT



SIZE			MANU. METHOD	SDR	BAG QTY	CODE
63	x	50	INJECTED	11	20	8135030*
75	x	50	INJECTED	11	12	8135032*
75	x	63	INJECTED	11	12	8135033*
90	x	50	INJECTED	11	-	8135021
90	x	63	INJECTED	11	15	8135022
90	x	75	INJECTED	11	12	8135034*
110	x	63	INJECTED	11	10	8135023
110	x	75	INJECTED	11	1	8135035*
110	x	90	INJECTED	11	10	8135024
125	x	110	INJECTED	11	1	8135036*
160	x	63	INJECTED	11	4	8135037
160	x	75	INJECTED	11	1	8135038*
160	x	90	INJECTED	11	8	8135025
160	x	110	INJECTED	11	8	8135026
180	x	160	INJECTED	11	1	8135039*
200	x	90	INJECTED	11	-	8223001*
200	x	110	INJECTED	11	2	8223002*
200	x	160	INJECTED	11	3	8223003*
225	x	75	INJECTED	11	3	8135040
225	x	90	INJECTED	11	3	8135027
225	x	110	INJECTED	11	3	8135028
225	x	160	INJECTED	11	3	8135029
225	x	180	INJECTED	11	-	8135041
250	x	110	INJECTED	11	2	8223007*
250	x	160	INJECTED	11	2	8223008*
315	x	110	INJECTED	11	1	8223005*
315	x	160	INJECTED	11	1	8223006*
315	x	250	INJECTED	11	1	8223004*
90	x	63	INJECTED	17	15	8135045
110	x	63	INJECTED	17	10	8135046
110	x	75	INJECTED	17	1	8135055
110	x	90	INJECTED	17	10	8135047
160	x	63	INJECTED	17	4	8135057
160	x	75	INJECTED	17	-	8135058
160	x	90	INJECTED	17	8	8135048
160	x	110	INJECTED	17	8	8135049
180	x	160	INJECTED	17	1	8135059
200	x	90	INJECTED	17	2	8223009*
200	x	110	INJECTED	17	2	8223010*
200	x	160	INJECTED	17	3	8223011
225	x	90	INJECTED	17	3	8135050
225	x	110	INJECTED	17	3	8135042
225	x	160	INJECTED	17	3	8135043
225	x	180	INJECTED	17	3	8135061
250	x	110	INJECTED	17	2	8223014*
250	x	160	INJECTED	17	2	8223015*
315	x	110	INJECTED	17	1	8223012*
315	x	160	INJECTED	17	1	8223013*
315	x	250	INJECTED	17	-	8223016
180	x	90	INJECTED	11	3	8223017
180	x	110	INJECTED	11	-	8223018*

*Available on request

FITTINGS FOR ELECTROFUSION AND BUTTWELD

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45° BRANCHES LONG SPIGOT



SIZE	MANU. METHOD	SDR	PN RATING	CODE
63	INJECTED	11	16	8137001
75	INJECTED	11	16	8137002
90	INJECTED	11	16	8137003
110	INJECTED	11	16	8137004
63	INJECTED	17	10	8137005
110	INJECTED	17	10	8137008

90° ELBOW LONG SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
20	INJECTED	11	5	8192061
25	INJECTED	11	5	8192062
32	INJECTED	11	5	8192031
40	INJECTED	11	2	8192032
50	INJECTED	11	2	8192033
63	INJECTED	11	24	8192034
75	INJECTED	11	16	8192035
90	INJECTED	11	12	8192036
110	INJECTED	11	14	8192037
125	INJECTED	11	6	8192038
140	INJECTED	11	5	8192039
160	INJECTED	11	4	8192040
180	INJECTED	11	4	8192041
200	INJECTED	11	5	8192042
225	INJECTED	11	3	8192043
250	INJECTED	11	2	8192044
280	INJECTED	11	2	8192045
315	INJECTED	11	1	8192046
50	INJECTED	17	2	8192047
63	INJECTED	17	24	8192048
75	INJECTED	17	16	8192049
90	INJECTED	17	12	8192050
110	INJECTED	17	14	8192051
125	INJECTED	17	6	8192052
140	INJECTED	17	5	8192053
160	INJECTED	17	4	8192054
180	INJECTED	17	4	8192055
200	INJECTED	17	5	8192056
225	INJECTED	17	3	8192057
250	INJECTED	17	2	8192058
280	INJECTED	17	2	8192059
315	INJECTED	17	1	8192060

FITTINGS FOR ELECTROFUSION AND BUTTWELD

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45° ELBOW LONG SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
20	INJECTED	11	10	8192063
25	INJECTED	11	5	8192064
32	INJECTED	11	5	8192001
40	INJECTED	11	2	8192002
50	INJECTED	11	2	8192003
63	INJECTED	11	30	8192004
75	INJECTED	11	25	8192005
90	INJECTED	11	12	8192006
110	INJECTED	11	8	8192007
125	INJECTED	11	6	8192008
140	INJECTED	11	8	8192009
160	INJECTED	11	5	8192010
180	INJECTED	11	4	8192011
200	INJECTED	11	5	8192012
225	INJECTED	11	4	8192013
250	INJECTED	11	3	8192014
280	INJECTED	11	2	8192015
315	INJECTED	11	2	8192016
50	INJECTED	17	2	8192017
63	INJECTED	17	6	8192018
75	INJECTED	17	24	8192019
90	INJECTED	17	12	8192020
110	INJECTED	17	8	8192021
125	INJECTED	17	6	8192022
140	INJECTED	17	8	8192023
160	INJECTED	17	5	8192024
180	INJECTED	17	4	8192025
200	INJECTED	17	5	8192026
225	INJECTED	17	4	8192027
250	INJECTED	17	3	8192028
280	INJECTED	17	2	8192029
315	INJECTED	17	2	8192030

90° BEND LONG SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
32	INJECTED	11	5	8191001*
40	INJECTED	11	2	8191002*
50	INJECTED	11	1	8191003*
63	INJECTED	11	24	8191004
75	INJECTED	11	16	8191005
90	INJECTED	11	10	8191006
110	INJECTED	11	6	8191007
125	INJECTED	11	4	8191008
140	INJECTED	11	5	8191009
160	INJECTED	11	4	8191010
180	INJECTED	11	6	8191011
200	INJECTED	11	4	8191012
225	INJECTED	11	2	8191013
250	INJECTED	11	2	8191014
280	INJECTED	11	1	8191015
315	INJECTED	11	1	8191016
355	INJECTED	11	1	8191035*
400	INJECTED	11	1	8191036*
450	INJECTED	11	1	8191031*
500	INJECTED	11	1	8191032*
63	INJECTED	17	24	8191018
75	INJECTED	17	16	8191019
90	INJECTED	17	10	8191020
110	INJECTED	17	6	8191021
125	INJECTED	17	4	8191022

*Available on request

Plasson Australia Pty Ltd

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Not all products in this catalogue are available ex-stock

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90° BEND LONG SPIGOT CONT.



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
140	INJECTED	17	5	8191023
160	INJECTED	17	4	8191024
180	INJECTED	17	6	8191025
200	INJECTED	17	4	8191026
225	INJECTED	17	2	8191027
250	INJECTED	17	2	8191028
280	INJECTED	17	1	8191029
315	INJECTED	17	1	8191030
355	INJECTED	17.6	1	8191037*
400	INJECTED	17.6	1	8191038*
450	INJECTED	17	1	8191033*
500	INJECTED	17	1	8191034*

For sweep bends DN110-1000 see page 160

*Available on request

END CAP LONG SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
32	INJECTED	11	10	8139021
40	INJECTED	11	10	8139022
50	INJECTED	11	5	8139023
63	INJECTED	11	15	8139024
75	INJECTED	11	10	8139025
90	INJECTED	11	36	8139026
110	INJECTED	11	18	8139027
125	INJECTED	11	18	8139028
160	INJECTED	11	6	8139030
180	INJECTED	11	12	8139031
200	INJECTED	11	10	8139032
225	INJECTED	11	6	8139033
250	INJECTED	11	4	8196001*
280	INJECTED	11	6	8196002*
315	INJECTED	11	2	8196003*
355	INJECTED	11	2	8196004*
400	INJECTED	11	2	8196005*
450	PUPPED	11	-	8100073
560	PUPPED	11	-	8100075
50	INJECTED	17	5	8139034
63	INJECTED	17	15	8139035
75	INJECTED	17	40	8139036
90	INJECTED	17	6	8139037
110	INJECTED	17	18	8139038
125	INJECTED	17	18	8139039
160	INJECTED	17	6	8139041
180	INJECTED	17	12	8139042
200	INJECTED	17	10	8139043
225	INJECTED	17	6	8139044
250	INJECTED	17	4	8196006*
280	INJECTED	17	6	8196007*
315	INJECTED	17	2	8196008*
355	INJECTED	17	2	8196009*
400	INJECTED	17	2	8196010*
500	PUPPED	17	-	8100078

*Available on request

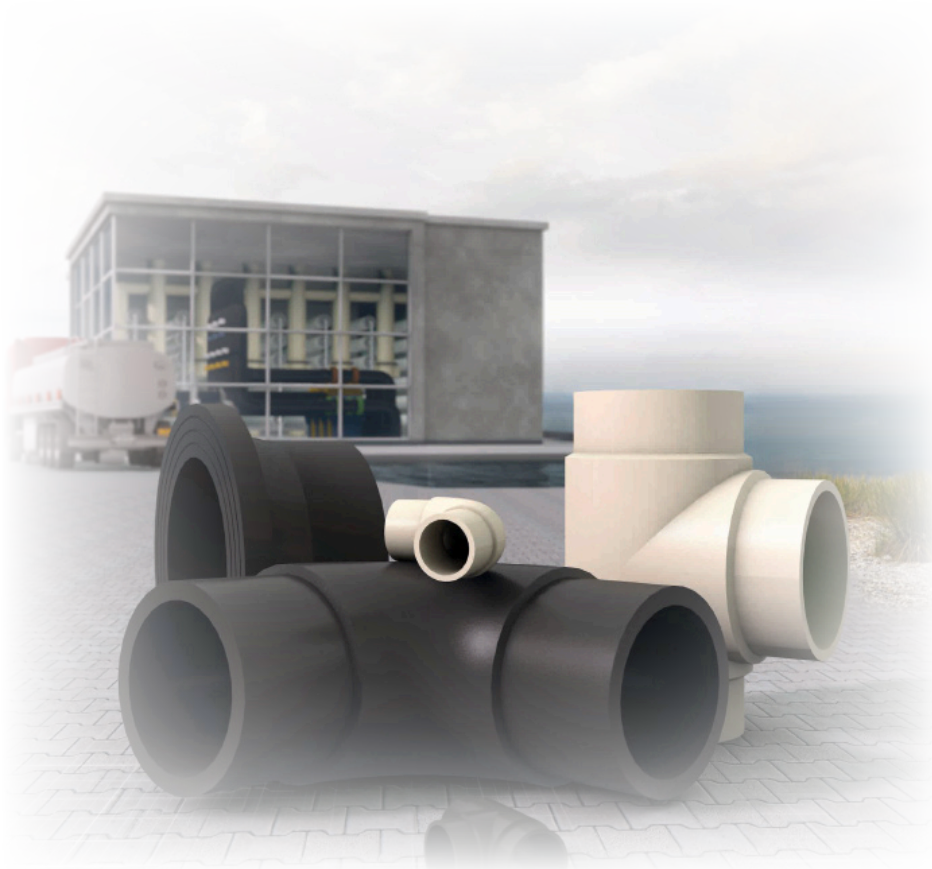
END CAP SHORT SPIGOT



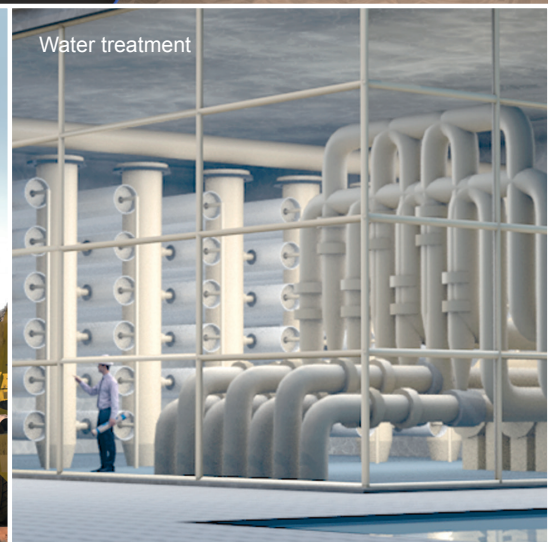
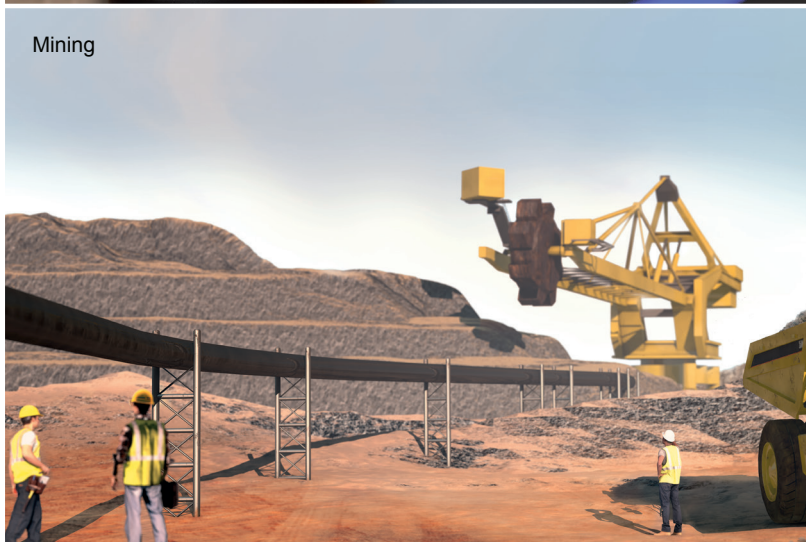
SIZE	MANU. METHOD	SDR	BAG QTY	CODE
250	MACHINED	11	-	8139001
280	MACHINED	11	-	8139002
315	MACHINED	11	-	8139003
355	MACHINED	11	-	8139004
280	MACHINED	17	-	8139011
355	MACHINED	17	-	8139013

SIMONA® Injection-Moulded Fittings – a system geared to the future

About two-thirds of the world's population will be living in towns and cities by the year 2025. Around the globe, a supply of clean drinking water is one of the major challenges to society. Our pipes and fittings can make a significant contribution when it comes to tackling this problem. Water management is one of the key markets of the future. Drawing on its abilities as an innovator and applying its considerable know-how of this industry, SIMONA is addressing the challenges faced by this market.



FITTINGS FOR ELECTROFUSION AND BUTTWELD



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FITTINGS FOR ELECTROFUSION AND BUTTWELD

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11° SEAMLESS BEND



$r \sim 1.5 \times d$

SIZE	ANGLE°	SDR	CODE
110	11	7.4	8100001*
160	11	7.4	8100002*
225	11	7.4	8100003*
315	11	7.4	8100004*
32	11	11	8101001*
40	11	11	8101002*
50	11	11	8101003*
63	11	11	8101004*
75	11	11	8101005*
90	11	11	8101006
110	11	11	8101531
125	11	11	8101532
140	11	11	8101533*
160	11	11	8101534
180	11	11	8101535
200	11	11	8101536
225	11	11	8101007*
250	11	11	8101008
280	11	11	8101009*
315	11	11	8101010
355	11	11	8101011
400	11	11	8101012*
450	11	11	8101013*
500	11	11	8101014*
560	11	11	8101015*
630	11	11	8101016*
710	11	11	8101537
800	11	11	8101538
50	11	17	8101017*
63	11	17	8101018*
75	11	17	8101019*
90	11	17	8101020*
110	11	17	8101021
125	11	17	8101022*
140	11	17	8101023*
160	11	17	8101024
180	11	17	8101025*
200	11	17	8101026*
225	11	17	8101027*
250	11	17	8101028*
280	11	17	8101029*
315	11	17	8101030*
355	11	17	8101031*
400	11	17	8101032*
450	11	17	8101033*
500	11	17	8101034*
560	11	17	8101035*
630	11	17	8101036*
710	11	17	8101539
800	11	17	8101540
900	11	17	8100005*
1000	11	17	8100006*

*Available on request
Seamless bends may incur additional freight charges.

FITTINGS FOR ELECTROFUSION AND BUTTWELD

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22° SEAMLESS BEND



$r \sim 1.5 \times d$

SIZE	ANGLE°	SDR	CODE
110	22	7.4	8100007*
160	22	7.4	8100008*
225	22	7.4	8100009*
315	22	7.4	8100010*
32	22	11	8101037*
40	22	11	8101038*
52	22	11	8101039*
63	22	11	8101040*
75	22	11	8101041*
90	22	11	8101042*
110	22	11	8101043*
125	22	11	8101044
140	22	11	8101045*
160	22	11	8101046*
180	22	11	8101047
200	22	11	8101048
225	22	11	8101049*
250	22	11	8101050
280	22	11	8101051*
315	22	11	8101052
355	22	11	8101053
400	22	11	8101054*
450	22	11	8101055*
500	22	11	8101056*
560	22	11	8101057*
630	22	11	8101058*
710	22	11	8100011*
800	22	11	8100012*
50	22	17	8101059*
63	22	17	8101060*
75	22	17	8101061*
90	22	17	8101062*
110	22	17	8101063*
125	22	17	8101064*
140	22	17	8101065*
160	22	17	8101066*
180	22	17	8101067*
200	22	17	8101068*
225	22	17	8101069*
250	22	17	8101070*
280	22	17	8101071*
315	22	17	8101072*
355	22	17	8101073*
400	22	17	8101074*
450	22	17	8101075*
500	22	17	8101076*
560	22	17	8101077*
630	22	17	8101078*
710	22	17	8100013*
800	22	17	8100014*
900	22	17	8100015*
1000	22	17	8100016*

*Available on request

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FITTINGS FOR ELECTROFUSION AND BUTTWELD

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30° SEAMLESS BEND



$r \sim 1.5 \times d$

SIZE	ANGLE°	SDR	CODE
110	30	7.4	8100021*
160	30	7.4	8100022*
225	30	7.4	8100023*
315	30	7.4	8100024*
32	30	11	8101138*
40	30	11	8101139*
50	30	11	8101140*
63	30	11	8101141*
75	30	11	8101142*
90	30	11	8101143
110	30	11	8101144
125	30	11	8101145*
140	30	11	8101146*
160	30	11	8101147
180	30	11	8101148*
200	30	11	8101149
225	30	11	8101150*
250	30	11	8101151*
280	30	11	8101152*
315	30	11	8101153*
355	30	11	8101154*
400	30	11	8101155*
450	30	11	8101156*
500	30	11	8101157*
560	30	11	8101158*
630	30	11	8101159*
710	30	11	8100025*
800	30	11	8100026*
50	30	17	8101160*
63	30	17	8101161*
75	30	17	8101162*
90	30	17	8101163*
110	30	17	8101164
125	30	17	8101165*
140	30	17	8101166*
160	30	17	8101167
180	30	17	8101168*
200	30	17	8101169*
225	30	17	8101170*
250	30	17	8101171*
280	30	17	8101172*
315	30	17	8101173*
355	30	17	8101174*
400	30	17	8101175*
450	30	17	8101176*
500	30	17	8101177*
560	30	17	8101178*
630	30	17	8101179*
710	30	17	8100027*
800	30	17	8100028*
900	30	17	8100029*
1000	30	17	8100030*

*Available on request

Seamless bends may incur additional freight charges.

FITTINGS FOR ELECTROFUSION AND BUTTWELD

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45° SEAMLESS BEND



$r \sim 1.5 \times d$

SIZE	ANGLE°	SDR	CODE
110	45	7.4	8100035*
160	45	7.4	8100036*
225	45	7.4	8100037*
315	45	7.4	8100038*
32	45	11	8101239
40	45	11	8101240*
50	45	11	8101241*
63	45	11	8101242
72	45	11	8101243*
90	45	11	8101244
110	45	11	8101245
125	45	11	8101246
140	45	11	8101247*
160	45	11	8101248
180	45	11	8101249
200	45	11	8101250
225	45	11	8101251
250	45	11	8101252
280	45	11	8101253
315	45	11	8101254
355	45	11	8101255
400	45	11	8101256
450	45	11	8101257
500	45	11	8101258
560	45	11	8101259
630	45	11	8101260
710	45	11	8100039
800	45	11	8100040
50	45	17	8101261*
63	45	17	8101262*
75	45	17	8101263*
90	45	17	8101264
110	45	17	8101265
125	45	17	8101266*
140	45	17	8101267*
160	45	17	8101268
180	45	17	8101269
200	45	17	8101270
225	45	17	8101271
250	45	17	8101272
280	45	17	8101273
315	45	17	8101274
355	45	17	8101275
400	45	17	8101276
450	45	17	8101277*
500	45	17	8101278
560	45	17	8101279
630	45	17	8101280
710	45	17	8100041
800	45	17	8100042
900	45	17	8100043*
1000	45	17	8100044*

*Available on request
Seamless bends may incur additional freight charges.

FITTINGS FOR ELECTROFUSION AND BUTTWELD

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60° SEAMLESS BEND



$r \sim 1.5 \times d$

SIZE	ANGLE°	SDR	CODE
110	60	7.4	8100049*
160	60	7.4	8100050*
225	60	7.4	8100051*
315	60	7.4	8100052*
32	60	11	8101340*
40	60	11	8101341*
50	60	11	8101342*
63	60	11	8101343*
75	60	11	8101344*
90	60	11	8101345
110	60	11	8101346
125	60	11	8101347*
140	60	11	8101348*
160	60	11	8101349
180	60	11	8101350*
200	60	11	8101351
225	60	11	8101352*
250	60	11	8101353*
280	60	11	8101354*
315	60	11	8101355*
355	60	11	8101356*
400	60	11	8101357*
450	60	11	8101358*
500	60	11	8101359*
560	60	11	8101360*
630	60	11	8101361*
710	60	11	8100053*
800	60	11	8100054*
50	60	17	8101362*
63	60	17	8101363*
75	60	17	8101364*
90	60	17	8101365*
110	60	17	8101366
125	60	17	8101367*
140	60	17	8101368*
160	60	17	8101369
180	60	17	8101370*
200	60	17	8101371*
225	60	17	8101372*
250	60	17	8101373*
280	60	17	8101374*
315	60	17	8101375*
355	60	17	8101376*
400	60	17	8101377*
450	60	17	8101378*
500	60	17	8101379*
560	60	17	8101380*
630	60	17	8101381*
710	60	17	8100055*
800	60	17	8100056*
900	60	17	8100057*
1000	60	17	8100058*

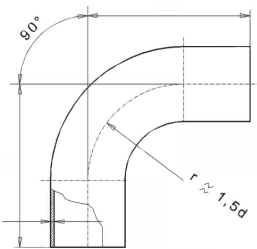
*Available on request

Seamless bends may incur additional freight charges.

FITTINGS FOR ELECTROFUSION AND BUTTWELD

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90° SEAMLESS BEND



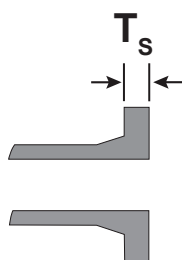
SIZE	ANGLE°	SDR	CODE
110	90	7.4	8100063*
160	90	7.4	8100064*
225	90	7.4	8100065*
315	90	7.4	8100066*
32	90	11	8101489
40	90	11	8101490
50	90	11	8101491
63	90	11	8101492
75	90	11	8101493
90	90	11	8101494
110	90	11	8101495
125	90	11	8101496
140	90	11	8101497
160	90	11	8101498
180	90	11	8101499
200	90	11	8101500
225	90	11	8101501
250	90	11	8101502
280	90	11	8101503
315	90	11	8101504
355	90	11	8101505
400	90	11	8101506
450	90	11	8101507
500	90	11	8101508
560	90	11	8101509
630	90	11	8101510
710	90	11	8100067
800	90	11	8100068
50	90	17	8101511*
63	90	17	8101512*
75	90	17	8101513*
90	90	17	8101514
110	90	17	8101515
125	90	17	8101516*
140	90	17	8101517*
160	90	17	8101518
180	90	17	8101519
200	90	17	8101520
225	90	17	8101521
250	90	17	8101522
280	90	17	8101523
315	90	17	8101524
355	90	17	8101525
400	90	17	8101526
450	90	17	8101527
500	90	17	8101528
560	90	17	8101529
630	90	17	8101530
710	90	17	8100069
800	90	17	8100070
900	90	17	8100071*
1000	90	17	8100072*

*Available on request
Seamless bends may incur additional freight charges.

FITTINGS FOR BUTTWELD

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STUB FLANGE FOR ISO/DIN/AS, SHORT SPIGOT

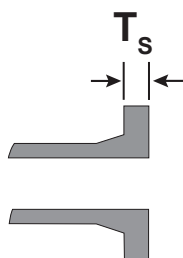


SIZE	THICKNESS (T _s)	MANU. METHOD	SDR	BAG QTY	CODE
25	9	INJECTED	11	10	8106010
32	10	INJECTED	11	5	8106011
40	11	INJECTED	11	-	8106012
50	12	INJECTED	11	-	8106013
63	14	INJECTED	11	-	8106014
75	16	INJECTED	11	-	8106015
90	17	INJECTED	11	-	8106016
110	18	INJECTED	11	16	8106017
125	25	INJECTED	11	14	8106018
140	25	INJECTED	11	12	8106019
160	25	INJECTED	11	6	8106020
180	30	INJECTED	11	8	8106021
200	32	INJECTED	11	8	8106022
225	32	INJECTED	11	8	8106023
250	35	INJECTED	11	5	8106024
280	35	INJECTED	11	5	8106025
315	35	INJECTED	11	3	8106026
355	40	INJECTED	11	4	8106027
400	46	INJECTED	11	2	8106028
450	60	INJECTED	11	-	8106029
500	60	INJECTED	11	2	8106030
560	60	INJECTED	11	-	8100501
630	60	INJECTED	11	-	8100502
710	70	MACHINED	11	-	8100537
800	TBA	MACHINED	11	-	8100538
900	TBA	MACHINED	11	-	8100539*
1000	TBA	MACHINED	11	-	8100540*
50	12	INJECTED	17	-	8106031
63	14	INJECTED	17	-	8106032
75	16	INJECTED	17	-	8106033
90	17	INJECTED	17	-	8106034
110	18	INJECTED	17	16	8106035
125	18	INJECTED	17	14	8106036
140	18	INJECTED	17	12	8106037
160	18	INJECTED	17	6	8106038
180	20	INJECTED	17	6	8106039
200	24	INJECTED	17	8	8106040
225	24	INJECTED	17	8	8106041
250	25	INJECTED	17	5	8106042

FITTINGS FOR BUTTWELD

PE100
HSCR
RESIN

STUB FLANGE FOR ISO/DIN/AS, SHORT SPIGOT CONT.



SIZE	THICKNESS (T _s)	MANU. METHOD	SDR	BAG QTY	CODE
280	25	INJECTED	17	5	8106043
315	25	INJECTED	17	3	8106044
355	30	INJECTED	17	4	8106045
400	33	INJECTED	17	2	8106046
450	46	INJECTED	17	-	8106047
500	46	INJECTED	17	2	8106048
560	50	INJECTED	17	-	8106049
630	50	INJECTED	17	10	8106050
630	60	INJECTED	11	-	8100502
710	50	MACHINED	17	-	8100503
800	52	INJECTED	17	1	8100504
900	55	MACHINED	17	1	8100505
1100	70	MACHINED	17	-	8100507*
1200	90	MACHINED	17	-	8100508*

*Available on request

FITTINGS FOR BUTTWELD

PE100
HSCR
RESIN

CONCENTRIC REDUCER SHORT SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
25 x 20	INJECTED	11	1	8149001*
32 x 20	INJECTED	11	10	8149002
32 x 25	INJECTED	11	5	8149003*
40 x 20	INJECTED	11	1	8149004*
40 x 25	INJECTED	11	5	8149005*
40 x 32	INJECTED	11	5	8149006
50 x 25	INJECTED	11	5	8149007
50 x 32	INJECTED	11	5	8149008
50 x 40	INJECTED	11	5	8149009
63 x 32	INJECTED	11	30	8149010
63 x 40	INJECTED	11	20	8149011
63 x 50	INJECTED	11	20	8149012
75 x 40	INJECTED	11	1	8149016*
75 x 63	INJECTED	11	2	8149015*
90 x 50	INJECTED	11	6	8149017
90 x 63	INJECTED	11	6	8149018
90 x 75	INJECTED	11	10	8149019
110 x 50	INJECTED	11	-	8149020
110 x 63	INJECTED	11	24	8149021
110 x 75	INJECTED	11	4	8149022
110 x 90	INJECTED	11	1	8149023
125 x 75	INJECTED	11	-	8149025*
125 x 90	INJECTED	11	18	8149026
125 x 110	INJECTED	11	18	8149027
140 x 75	INJECTED	11	18	8149028*
140 x 90	INJECTED	11	12	8149029*
140 x 110	INJECTED	11	12	8149030*
160 x 110	INJECTED	11	10	8149033
160 x 125	INJECTED	11	10	8149034
160 x 140	INJECTED	11	10	8149035
180 x 90	INJECTED	11	6	8149036
180 x 110	INJECTED	11	6	8149037
180 x 125	INJECTED	11	12	8149038
180 x 140	INJECTED	11	-	8149039*
200 x 160	INJECTED	11	12	8149042
200 x 180	INJECTED	11	12	8149043*
225 x 140	INJECTED	11	-	8149044*
225 x 160	INJECTED	11	7	8149045
225 x 180	INJECTED	11	6	8149046
225 x 200	INJECTED	11	6	8149047
250 x 160	INJECTED	11	6	8149048
250 x 180	INJECTED	11	5	8149049
250 x 200	INJECTED	11	4	8149050
250 x 225	INJECTED	11	4	8149051
280 x 200	INJECTED	11	-	8149052
280 x 225	INJECTED	11	6	8149053
280 x 250	INJECTED	11	6	8149054
315 x 200	INJECTED	11	-	8149055
315 x 225	INJECTED	11	2	8149056
315 x 280	INJECTED	11	5	8149057
315 x 250	INJECTED	11	5	8149058

*Available on request

FITTINGS FOR BUTTWELD

PE100
HSCR
RESIN

CONCENTRIC REDUCER SHORT SPIGOT CONT.



SIZE			MANU. METHOD	SDR	BAG QTY	CODE
355	x	225	MACHINED	11	-	8100081
355	x	250	MACHINED	11	-	8100082*
355	x	280	MACHINED	11	-	8100083*
400	x	225	MACHINED	11	-	8100085*
400	x	250	MACHINED	11	-	8100086
400	x	280	MACHINED	11	-	8100087*
400	x	315	MACHINED	11	-	8100088*
400	x	355	MACHINED	11	-	8100089*
450	x	280	MACHINED	11	-	8100090*
450	x	315	MACHINED	11	-	8100091
450	x	355	MACHINED	11	-	8100092*
450	x	400	MACHINED	11	-	8100093*
500	x	315	MACHINED	11	-	8100094*
500	x	355	MACHINED	11	-	8100095*
500	x	400	MACHINED	11	-	8100096
500	x	450	MACHINED	11	-	8100097
560	x	400	MACHINED	11	-	8100098
560	x	450	MACHINED	11	-	8100099
560	x	500	MACHINED	11	-	8100100
630	x	400	MACHINED	11	-	8100101
630	x	450	MACHINED	11	-	8100102
630	x	500	MACHINED	11	-	8100103*
630	x	560	MACHINED	11	-	8100104*
63	x	32	INJECTED	17	5	8149059
63	x	50	INJECTED	17	20	8149060
90	x	50	INJECTED	17	6	8149063
90	x	63	INJECTED	17	6	8149064
110	x	50	INJECTED	17	32	8149066
110	x	63	INJECTED	17	32	8149067
110	x	75	INJECTED	17	4	8149068
110	x	90	INJECTED	17	1	8149069
140	x	90	INJECTED	17	12	8149075*
140	x	110	INJECTED	17	12	8149076
160	x	90	INJECTED	17	10	8149078
160	x	110	INJECTED	17	10	8149079
160	x	125	INJECTED	17	10	8149080
160	x	140	INJECTED	17	10	8149081
180	x	110	INJECTED	17	6	8149083
180	x	140	INJECTED	17	12	8149085

*Available on request

FITTINGS FOR BUTTWELD

PE100
HSCR
RESIN

CONCENTRIC REDUCER SHORT SPIGOT CONT.



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
200 x 140	INJECTED	17	12	8149087
200 x 160	INJECTED	17	12	8149088
200 x 180	INJECTED	17	12	8149089*
225 x 140	INJECTED	17	7	8149090
225 x 160	INJECTED	17	7	8149091
225 x 180	INJECTED	17	6	8149092
225 x 200	INJECTED	17	1	8149093
250 x 160	INJECTED	17	6	8149094
250 x 180	INJECTED	17	5	8149095
250 x 200	INJECTED	17	4	8149096
250 x 225	INJECTED	17	4	8149097
280 x 225	INJECTED	17	6	8149099
280 x 250	INJECTED	17	2	8149100
315 x 225	INJECTED	17	5	8149102
315 x 250	INJECTED	17	2	8149103
315 x 280	INJECTED	17	5	8149104
355 x 225	MACHINED	17	-	8100105*
355 x 250	MACHINED	17	-	8100106*
355 x 280	MACHINED	17	-	8100107*
355 x 315	MACHINED	17	-	8100108
400 x 225	MACHINED	17	-	8100109*
400 x 250	MACHINED	17	-	8100110*
400 x 280	MACHINED	17	-	8100111*
400 x 315	MACHINED	17	-	8100112
400 x 355	MACHINED	17	-	8100113*
450 x 280	MACHINED	17	-	8100114*
450 x 315	MACHINED	17	-	8100115*
450 x 355	MACHINED	17	-	8100116*
450 x 400	MACHINED	17	-	8100117*
500 x 315	MACHINED	17	-	8100118*
500 x 355	MACHINED	17	-	8100119*
500 x 400	MACHINED	17	-	8100120*
500 x 450	MACHINED	17	-	8100121*
560 x 400	MACHINED	17	-	8100122*
560 x 450	MACHINED	17	-	8100123*
560 x 500	MACHINED	17	-	8100124*
630 x 400	MACHINED	17	-	8100125*
630 x 450	MACHINED	17	-	8100126*
630 x 500	MACHINED	17	-	8100127*
630 x 560	MACHINED	17	-	8100128*
710 x 500	MACHINED	17	-	8100129*
710 x 560	MACHINED	17	-	8100130*
710 x 630	MACHINED	17	-	8100131*
800 x 560	MACHINED	17	-	8100132*
800 x 630	MACHINED	17	-	8100133*
800 x 710	MACHINED	17	-	8100134*
900 x 630	MACHINED	17	-	8100135*
900 x 710	MACHINED	17	-	8100136*
900 x 800	MACHINED	17	-	8100137*
1000 x 710	MACHINED	17	-	8100138*
1000 x 800	MACHINED	17	-	8100139*
1000 x 900	MACHINED	17	-	8100140*

*Available on request

TEE SHORT SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE
20	INJECTED	11	10	8103001*
25	INJECTED	11	10	8103002*
32	INJECTED	11	5	8103003*
40	INJECTED	11	5	8103004*
110	INJECTED	11	6	8103009*
125	INJECTED	11	4	8103010*
140	INJECTED	11	5	8103011*
160	INJECTED	11	4	8103012*
180	INJECTED	11	2	8103013*
200	INJECTED	11	3	8103014*
225	INJECTED	11	3	8103015*
250	INJECTED	11	3	8103016*
280	INJECTED	11	1	8103017*
315	INJECTED	11	1	8103018*
355	INJECTED	11	1	8103019
400	INJECTED	11	1	8103020
450	INJECTED	11	1	8103021
500	INJECTED	11	1	8103022
50	INJECTED	17	5	8103023*
63	INJECTED	17	30	8103024*
75	INJECTED	17	16	8103025*
90	INJECTED	17	10	8103026*
110	INJECTED	17	6	8103027*
125	INJECTED	17	4	8103028*
140	INJECTED	17	5	8103029*
160	INJECTED	17	4	8103030*
180	INJECTED	17	2	8103031*
200	INJECTED	17	3	8103032*
225	INJECTED	17	3	8103033*
250	INJECTED	17	3	8103034*
280	INJECTED	17	1	8103035*
315	INJECTED	17	1	8103036*
355	INJECTED	17	1	8103037*
400	INJECTED	17	1	8103038
450	INJECTED	17	1	8103039
500	INJECTED	17	1	8103040

*Available on request

FITTINGS FOR BUTTWELD

PE100
HSCR
RESIN

90° BEND SHORT SPIGOT



For sizes DN20-DN160 and DN450-DN500, SIMONA short spigot bends come with a small leg extension to enable easy mounting in a butt welding machine. These are not suitable for electrofusion welding.



Sizes DN180 and greater

SIZE	MANU. METHOD	SDR	BAG QTY	CODE
20	INJECTED	11	-	8101382*
25	INJECTED	11	-	8101383*
32	INJECTED	11	10	8101384*
40	INJECTED	11	5	8101385*
50	INJECTED	11	2	8101386*
63	INJECTED	11	40	8101387
75	INJECTED	11	20	8101388
90	INJECTED	11	16	8101389
110	INJECTED	11	9	8101390
125	INJECTED	11	6	8101391
140	INJECTED	11	4	8101392
160	INJECTED	11	5	8101393
180	INJECTED	11	5	8101394
200	INJECTED	11	3	8101395
225	INJECTED	11	5	8101396
250	INJECTED	11	4	8101397
280	INJECTED	11	3	8101398
315	INJECTED	11	2	8101399
355	INJECTED	11	1	8101400
400	INJECTED	11	1	8101401
450	INJECTED	11	1	8101430
500	INJECTED	11	1	8101431
50	INJECTED	17	2	8101402*
63	INJECTED	17	40	8101403
75	INJECTED	17	20	8101404
90	INJECTED	17	16	8101405
110	INJECTED	17	8	8101406
125	INJECTED	17	6	8101407
140	INJECTED	17	4	8101408
160	INJECTED	17	5	8101409
180	INJECTED	17.6	5	8101410
200	INJECTED	17.6	3	8101411
225	INJECTED	17.6	5	8101412
250	INJECTED	17.6	4	8101413
280	INJECTED	17.6	3	8101414
315	INJECTED	17.6	2	8101415
355	INJECTED	17.6	1	8101416
400	INJECTED	17.6	1	8101417
450	INJECTED	17	1	8101432
500	INJECTED	17	1	8101433

*Available on request

THE FOLLOWING FITTINGS ARE AVAILABLE ON REQUEST FOR PROJECT WORK:

Short Spigot

Eccentric Reducer
SDR11-33, 90-1000mm



End Cap
SDR11-17, 250-800mm



Stub Flange for ANSI
SDR11, 20-90mm



Stub Flange for ISO/DIN/AS
SDR21-41, 110-1200mm



Stub Flange for ISO/DIN/AS
with Chamfer
SDR11, 110-500mm



Tee
SDR33, 110-400mm



90° BEND
SDR33, 110-400mm

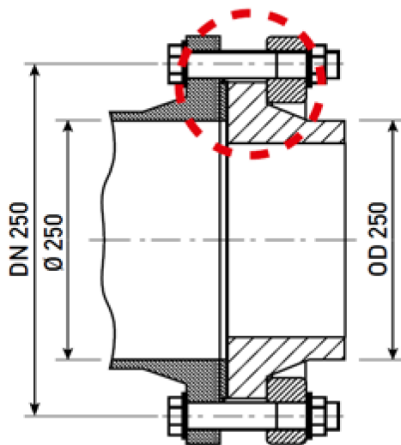


Special Flanges

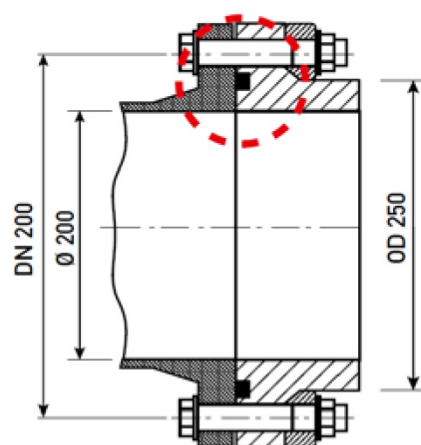
Steel flanges with a polypropylene coating are an alternative to galvanised or stainless steel flanges. The polypropylene coating is a uniform thickness due to the injection molding process and has a high resistance to mechanical impact.

The special dimensions ensure no internal misalignment which avoids turbulence, sedimentation and dead spaces. It also allows the use of butterfly valves without chamfered stub ends.

Due to the matched inside diameters smaller valves can often be used leading to significant cost savings for the overall installation.



Flange connection with offset of inner pipe wall (red marking) and DN250 valve



Special flange connection with no offset of inner pipe wall (red marking) and small DN200 valve

Contact Plasson for further information on how this product can save you money!

PLASSON QUALITY FLANGES

The Plasson quality program gives Plasson the only flange in the Australian market which fully complies with the PIPA POP007 guideline.

The backing flange program to suit SIMONA stub flanges is no different and it is not by chance that Plasson supplies industry leading flanges.

Prior to purchase, a qualified metallurgist inspects the flange mill to ensure that the quality processes stipulated by the Australian Standards are being followed.

All Plasson flanges are traceable via heat number through all parts of the production process right back to the raw material physical and chemical checks.

Plasson stainless steel flanges are made from grade 316 stainless steel with each individual flange checked via X-ray fluorescence to ensure the chemical composition of the flange aligns with the requirements of the standard.

All Plasson flanges are marked with the appropriate standard, allowing the user to easily identify the pressure rating of the flange and eliminate the chance of a flange with incorrect pressure rating being installed.



IF QUALITY IS IMPORTANT TO YOUR BUSINESS, RELY ON PLASSON'S QUALITY.

BACKING FLANGES - AS2129 TABLE D (700 kPa up to 50°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
20	DN 15 (1/2")	95	5	67	4	14	M12	8900001	8920001-040 8920001-050 8920001-060	8910001	8930001-040 8930001-050 8930001-060	8940001
25	DN 20 (3/4")	100	5	73	4	14	M12	8900002	8920002-040 8920002-050 8920002-060	8910002	8930002-040 8930002-050 8930002-060	8940002
32	DN25 (1")	115	5	83	4	14	M12	8900003	8920003-040 8920003-050 8920003-060	8910003	8930003-040 8930003-050 8930003-060	8940003
40	DN32 (1-1/4")	120	6	87	4	14	M12	8900004	8920004-040 8920004-050 8920004-060	8910004	8930004-040 8930004-050 8930004-060	8940004
50	DN40 (1-1/2")	135	6	98	4	14	M12	8900005	8920005-040 8920005-050 8920005-060	8910005	8930005-040 8930005-050 8930005-060	8940005
63	DN50 (2")	150	8	114	4	18	M16	8900006	8920006-065 8920006-080 8920006-100	8910006	8930006-065 8930006-080 8930006-100	8940006
75	DN65 (2-1/2")	165	8	127	4	18	M16	8900007	8920007-065 8920007-080 8920007-100	8910007	8930007-065 8930007-080 8930007-100	8940007
90	DN80 (3")	185	10	146	4	18	M16	8900008	8920008-065 8920008-080 8920008-100	8910008	8930008-065 8930008-080 8930008-100	8940008
110	DN100 (4")	215	10	178	4	18	M16	8900009	8920009-065 8920009-080 8920009-100	8910009	8930009-065 8930009-080 8930009-100	8940009
125	DN100 (4")	215	10	178	4	18	M16	8900010	8920010-065 8920010-080 8920010-100	8910010	8930010-065 8930010-080 8930010-100	8940046

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: EPDM
T_G: 3mm

BACKING FLANGES - AS2129 TABLE D (700 kPa up to 50°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
125	DN125 (5")	255	13	210	8	18	M16	8900011	8920011-065 8920011-080 8920011-100	8910011	8930011-065 8930011-080 8930011-100	8940010
140	DN125 (5")	255	13	210	8	18	M16	8900012	8920012-065 8920012-080 8920012-100	8910012	8930012-065 8930012-080 8930012-100	8940047
160	DN150 (6")	280	13	235	8	18	M16	8900013	8920013-065 8920013-080 8920013-100	8910013	8930013-065 8930013-080 8930013-100	8940011
180	DN150 (6")	280	13	235	8	18	M16	8900014	8920014-065 8920014-080 8920014-100	8910014	8930014-065 8930014-080 8930014-100	8940048
200	DN200 (8")	335	13	292	8	18	M16	8900015	8920015-065 8920015-080 8920015-100	8910015	8930015-065 8930015-080 8930015-100	8940012
225	DN200 (8")	335	13	292	8	18	M16	8900016	8920016-065 8920016-080 8920016-100	8910016	8930016-065 8930016-080 8930016-100	8940049
250	DN250 (10")	405	16	356	8	22	M20	8900017	8920017-110 8920017-120 8920017-130	8910017	8930017-110 8930017-120 8930017-130	8940013
280	DN250 (10")	405	16	356	8	22	M20	8900018	8920018-110 8920018-120 8920018-130	8910018	8930018-110 8930018-120 8930018-130	8940050
315	DN300 (12")	455	19	406	12	22	M20	8900019	8920019-110 8920019-120 8920019-130	8910019	8930019-110 8930019-120 8930019-130	8940014
355	DN350 (14")	525	22	470	12	26	M24	8900020	8920020-150 8920020-200 8920020-240	8910020	8930020-160 8930020-200 8930020-250	8940015

Note: All dimensions in mm unless otherwise noted.
 Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: EPDM
 T_G: 3mm

BACKING FLANGES - AS2129 TABLE D (700 kPa up to 50°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
400	DN400 (16")	580	22	521	12	26	M24	8900021	8920021-150 8920021-200 8920021-240	8910021	8930021-160 8930021-200 8930021-250	8940016
450	DN450 (18")	640	25	584	12	26	M24	8900022	8920022-150 8920022-200 8920022-240	8910022	8930022-160 8930022-200 8930022-250	8940017
500	DN500 (20")	705	29	641	16	26	M24	8900023	8920023-150 8920023-200 8920023-240	8910023	8930023-160 8930023-200 8930023-250	8940018
560	DN550 (22")	760	29	699	16	30	M27	8900024	8920024	8910024	8930024	8940019
630	DN600 (24")	825	32	756	16	30	M27	8900025	8920025	8910025	8930025	8940020
710	DN700 (28")	910	35	845	20	30	M27	8900026	8920026	8910026	8930026	8940021
800	DN800 (32")	1060	41	984	20	36	M33	8900027	8920027	8910027	8930027	8940022
900	DN900 (36")	1175	48	1092	24	36	M33	8900028	8920028	8910028	8930028	8940023
1000	DN1000 (40")	1255	51	1175	24	36	M33	8900029	8920029	8910029	8930029	8940024
1200	DN1200 (48")	1490	60	1410	32	36	M33	8900030	8920030	8910030	8930030	8940025

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: EPDM
T_G: 3mm

BACKING FLANGES - TABLE E - AS2129 (1400 kPa up to 50°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
20	DN 15 (1/2")	95	6	67	4	14	M12	8900031	8920031-040 8920031-050 8920031-060	8910031	8930031-040 8930031-050 8930031-060	8940001
25	DN 20 (3/4")	100	6	73	4	14	M12	8900032	8920032-040 8920032-050 8920032-060	8910032	8930032-040 8930032-050 8930032-060	8940002
32	DN25 (1")	115	7	83	4	14	M12	8900033	8920033-040 8920033-050 8920033-060	8910033	8930033-040 8930033-050 8930033-060	8940003
40	DN32 (1-1/4")	120	8	87	4	14	M12	8900034	8920034-040 8920034-050 8920034-060	8910034	8930034-040 8930034-050 8930034-060	8940004
50	DN40 (1-1/2")	135	9	98	4	14	M12	8900035	8920035-040 8920035-050 8920035-060	8910035	8930035-040 8930035-050 8930035-060	8940005
63	DN50 (2")	150	10	114	4	18	M16	8900036	8920036-065 8920036-080 8920036-100	8910036	8930036-065 8930036-080 8930036-100	8940006
75	DN65 (2-1/2")	165	10	127	4	18	M16	8900037	8920037-065 8920037-080 8920037-100	8910037	8930037-065 8930037-080 8930037-100	8940007
90	DN80 (3")	185	11	146	4	18	M16	8900038	8920038-065 8920038-080 8920038-100	8910038	8930038-065 8930038-080 8930038-100	8940008
110	DN100 (4")	215	13	178	8	18	M16	8900039	8920039-065 8920039-080 8920039-100	8910039	8930039-065 8930039-080 8930039-100	8940026
125	DN100 (4")	215	13	178	8	18	M16	8900040	8920040-065 8920040-080 8920040-100	8910040	8930040-065 8930040-080 8930040-100	8940051

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: EPDM
T_G: 3mm

BACKING FLANGES - TABLE E - AS2129 (1400 kPa up to 50°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
125	DN125 (5")	255	14	210	8	18	M16	8900041	8920041-065 8920041-080 8920041-100	8910041	8930041-065 8930041-080 8930041-100	8940010
140	DN125 (5")	255	14	210	8	18	M16	8900042	8920042-065 8920042-080 8920042-100	8910042	8930042-065 8930042-080 8930042-100	8940047
160	DN150 (6")	280	17	235	8	22	M20	8900043	8920043-110 8920043-120 8920043-130	8910043	8930043-110 8930043-120 8930043-130	8940011
180	DN150 (6")	280	17	235	8	22	M20	8900044	8920044-110 8920044-120 8920044-130	8910044	8930044-110 8930044-120 8930044-130	8940048
200	DN200 (8")	335	19	292	8	22	M20	8900045	8920045-110 8920045-120 8920045-130	8910045	8930045-110 8930045-120 8930045-130	8940012
225	DN200 (8")	335	19	292	8	22	M20	8900046	8920046-110 8920046-120 8920046-130	8910046	8930046-110 8930046-120 8930046-130	8940049
250	DN250 (10")	405	22	356	12	22	M20	8900047	8920047-110 8920047-120 8920047-130	8910047	8930047-110 8930047-120 8930047-130	8940027
280	DN250 (10")	405	22	356	12	22	M20	8900048	8920048-110 8920048-120 8920048-130	8910048	8930048-110 8930048-120 8930048-130	8940052
315	DN300 (12")	455	25	406	12	26	M24	8900049	8920049-150 8920049-200 8920049-240	8910049	8930049-160 8930049-200 8930049-250	8940014
355	DN350 (14")	525	29	470	12	26	M24	8900050	8920050-150 8920050-200 8920050-240	8910050	8930050-160 8930050-200 8930050-250	8940015

Note: All dimensions in mm unless otherwise noted.
Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: EPDM
T_G: 3mm

BACKING FLANGES - TABLE E - AS2129 (1400 kPa up to 50°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
400	DN400 (16")	580	32	521	12	26	M24	8900051	8920051-150 8920051-200 8920051-240	8910051	8930051-160 8930051-200 8930051-250	8940016
450	DN450 (18")	640	35	584	16	26	M24	8900052	8920052-150 8920052-200 8920052-240	8910052	8930052-160 8930052-200 8930052-250	8940028
500	DN500 (20")	705	38	641	16	26	M24	8900053	8920053-150 8920053-200 8920053-240	8910053	8930053-160 8930053-200 8930053-250	8940018
560	DN550 (22")	760	44	699	16	30	M27	8900054	8920054	8910054	8930054	8940019
630	DN600 (24")	825	48	756	16	33	M30	8900055	8920055	8910055	8930055	8940020
710	DN700 (28")	910	51	845	20	33	M30	8900056	8920056	8910056	8930056	8940021
800	DN800 (32")	1060	54	984	20	36	M33	8900057	8920057	8910057	8930057	8940022
900	DN900 (36")	1175	64	1092	24	36	M33	8900058	8920058	8910058	8930058	8940023
1000	DN1000 (40")	1255	67	1175	24	39	M36	8900059	8920059	8910059	8930059	8940024
1200	DN1200 (48")	1490	79	1410	32	39	M36	8900060	8920060	8910060	8930060	8940025

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: EPDM
T_G: 3mm

BACKING FLANGES - AS4087 PN16 (up to 80°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
63	DN50 (2")	150	11	114	4	18	M16	8900036	8920036-065 8920036-080 8920036-100	8910036	8930036-065 8930036-080 8930036-100	8940006
75	DN65 (2-1/2")	165	11	127	4	18	M16	8900037	8920037-065 8920037-080 8920037-100	8910037	8930037-065 8930037-080 8930037-100	8940007
90	DN80 (3")	185	11	146	4	18	M16	8900061	8920061-065 8920061-080 8920061-100	8910061	8930061-065 8930061-080 8930061-100	8940008
110	DN100 (4")	215	13	178	4	18	M16	8900062	8920062-065 8920062-080 8920062-100	8910062	8930062-065 8930062-080 8930062-100	8940009
125	DN100 (4")	215	13	178	4	18	M16	8900063	8920063-065 8920063-080 8920063-100	8910063	8930063-065 8930063-080 8930063-100	8940046
160	DN150 (6")	280	13	235	8	18	M16	8900013	8920013-065 8920013-080 8920013-100	8910013	8930013-065 8930013-080 8930013-100	8940011
180	DN150 (6")	280	13	235	8	18	M16	8900014	8920014-065 8920014-080 8920014-100	8910014	8930014-065 8930014-080 8930014-100	8940048
200	DN200 (8")	335	19	292	8	18	M16	8900064	8920064-065 8920064-080 8920064-100	8910064	8930064-065 8930064-080 8930064-100	8940012
225	DN200 (8")	335	19	292	8	18	M16	8900065	8920065-065 8920065-080 8920065-100	8910065	8930065-065 8930065-080 8930065-100	8940049
250	DN250 (10")	405	19	356	8	22	M20	8900066	8920066-110 8920066-120 8920066-130	8910066	8930066-110 8930066-120 8930066-130	8940013

Note: All dimensions in mm unless otherwise noted.
Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: EPDM
T_G: 3mm

BACKING FLANGES - AS4087 PN16 (up to 80°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
280	DN250 (10")	405	19	356	8	22	M20	8900067	8920067-110 8920067-120 8920067-130	8910067	8930067-110 8930067-120 8930067-130	8940050
315	DN300 (12")	455	23	406	12	22	M20	8900068	8920068-110 8920068-120 8920068-130	8910068	8930068-110 8930068-120 8930068-130	8940014
355	DN350 (14")	525	30	470	12	26	M24	8900050	8920050-150 8920050-200 8920050-240	8910050	8930050-160 8930050-200 8930050-250	8940015
400	DN400 (16")	580	30	521	12	26	M24	8900069	8920069-150 8920069-200 8920069-240	8910069	8930069-160 8930069-200 8930069-250	8940016
450	DN450 (18")	640	30	584	12	26	M24	8900070	8920070-150 8920070-200 8920070-240	8910070	8930070-160 8930070-200 8930070-250	8940017
500	DN500 (20")	705	38	641	16	26	M24	8900053	8920053-150 8920053-200 8920053-240	8910053	8930053-160 8930053-200 8930053-250	8940018
630	DN600 (24")	825	48	756	16	30	M27	8900071	8920071	8910071	8930071	8940020
710	DN700 (28")	910	56	845	20	30	M27	8900072	8920072	8910072	8930072	8940021
800	DN800 (32")	1060	56	984	20	36	M33	8900073	8920073	8910073	8930073	8940022
900	DN900 (36")	1175	66	1092	24	36	M33	8900074	8920074	8910074	8930074	8940023
1000	DN1000 (40")	1255	66	1175	24	36	M33	8900075	8920075	8910075	8930075	8940024
1200	DN1200 (48")	1490	76	1410	32	36	M33	8900076	8920076	8910076	8930076	8940025

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: EPDM
T_G: 3mm

BACKING FLANGES - AS4087 PN21 (up to 80°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
63	DN50 (2")	165	15	127	4	18	M16	8900077	8920077-065 8920077-080 8920077-100	8910077	8930077-065 8930077-080 8930077-100	8950001
75	DN65 (2-1/2")	185	15	146	8	18	M16	8900078	8920078-065 8920078-080 8920078-100	8910078	8930078-065 8930078-080 8930078-100	8950002
90	DN80 (3")	205	15	165	8	18	M16	8900079	8920079-065 8920079-080 8920079-100	8910079	8930079-065 8930079-080 8930079-100	8950003
110	DN100 (4")	230	19	191	8	18	M16	8900080	8920080-065 8920080-080 8920080-100	8910080	8930080-065 8930080-080 8930080-100	8950004
125	DN100 (4")	230	19	191	8	18	M16	8900081	8920081-065 8920081-080 8920081-100	8910081	8930081-065 8930081-080 8930081-100	8950020
160	DN150 (6")	305	24	260	12	22	M20	8900082	8920082-110 8920082-120 8920082-130	8910082	8930082-110 8930082-120 8930082-130	8950006
180	DN150 (6")	305	24	260	12	22	M20	8900083	8920083-110 8920083-120 8920083-130	8910083	8930083-110 8930083-120 8930083-130	8950021
200	DN200 (8")	370	24	324	12	22	M20	8900084	8920084-110 8920084-120 8920084-130	8910084	8930084-110 8930084-120 8930084-130	8950007
225	DN200 (8")	370	24	324	12	22	M20	8900085	8920085-110 8920085-120 8920085-130	8910085	8930085-110 8930085-120 8930085-130	8950022
250	DN250 (10")	430	30	380	12	26	M24	8900086	8920086-150 8920086-200 8920086-240	8910086	8930086-160 8930086-200 8930086-250	8950008

Note: All dimensions in mm unless otherwise noted.
Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: FIBRE
T_G: 1.5mm

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BACKING FLANGES - AS4087 PN21 (up to 80°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
280	DN250 (10")	430	30	380	12	26	M24	8900087	8920087-150 8920087-200 8920087-240	8910087	8930087-160 8930087-200 8930087-250	8950023
315	DN300 (12")	490	30	438	16	26	M24	8900088	8920088-150 8920088-200 8920088-240	8910088	8930088-160 8930088-200 8930088-250	8950009
355	DN350 (14")	550	30	495	16	30	M27	8900089	8920089	8910089	8930089	8950010
400	DN400 (16")	610	38	552	20	30	M27	8900090	8920090	8910090	8930090	8950011
450	DN450 (18")	675	38	610	20	33	M30	8900091	8920091	8910091	8930091	8950012
500	DN500 (20")	735	48	673	24	33	M30	8900092	8920092	8910092	8930092	8950013
630	DN600 (24")	850	58	781	24	36	M33	8900093	8920093	8910093	8930093	8950014
710	DN700 (28")	935	58	857	24	36	M33	8900094	8920094	8910094	8930094	8950015
800	DN800 (32")	1015	58	940	28	36	M33	8900095	8920095	8910095	8930095	8950016
900	DN900 (36")	1185	68	1105	32	39	M36	8900096	8920096	8910096	8930096	8950017
1000	DN1000 (40")	1275	78	1194	36	39	M36	8900097	8920097	8910097	8930097	8950018
1200	DN1200 (48")	1530	88	1441	40	42	M39	8900098	8920098	8910098	8930098	8950019

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: FIBRE
T_G: 1.5mm

BACKING FLANGES - AS4087 PN35 (up to 80°C)

PE SIZE	FLANGE SIZE	OD	TCK T _F	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED		316 SS		GASKET
								FLANGE	STUD SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
63	DN50 (2")	165	19	127	4	18	M16	8900099	8920099-110	8910099	8930099-110	8950001
75	DN65 (2-1/2")	185	19	146	8	18	M16	8900100	8920100-110	8910100	8930100-110	8950002
90	DN80 (3")	205	24	165	8	18	M16	8900101	8920101-110	8910101	8930101-110	8950003
110	DN100 (4")	230	24	191	8	18	M16	8900102	8920102-110	8910102	8930102-110	8950004
125	DN100 (4")	230	24	191	8	18	M16	8900103	8920103-110	8910103	8930103-110	8950020
160	DN150 (6")	305	31	260	12	22	M20	8900104	8920104-130	8910104	8930104-130	8950006
180	DN150 (6")	305	31	260	12	22	M20	8900105	8920105-130	8910105	8930105-130	8950021
200	DN200 (8")	370	31	324	12	22	M20	8900106	8920106-130	8910106	8930106-130	8950007
225	DN200 (8")	370	31	324	12	22	M20	8900107	8920107-130	8910107	8930107-130	8950022
250	DN250 (10")	430	38	381	12	26	M24	8900108	8920108-150	8910108	8930108-150	8950008
280	DN250 (10")	430	38	381	12	26	M24	8900109	8920109-150	8910109	8930109-150	8950023
315	DN300 (12")	490	38	438	16	26	M24	8900110	8920110-150	8910110	8930110-150	8950009
355	DN350 (14")	550	48	495	16	30	M27	8900111	8920111-170	8910111	8930111-170	8950010
400	DN400 (16")	610	48	552	20	30	M27	8900112	8920112-170	8910112	8930112-170	8950011
450	DN450 (18")	675	58	610	20	33	M30	8900113	8920113-190	8910113	8930113-190	8950012
500	DN500 (20")	735	58	673	24	33	M30	8900114	8920114-190	8910114	8930114-190	8950013
630	DN600 (24")	850	68	781	24	36	M33	8900115	8920115-210	8910115	8930115-210	8950014
710	DN700 (28")	935	78	857	24	36	M33	8900116	8920116-210	8910116	8930116-210	8950015
800	DN800 (32")	1060	84	984	28	36	M33	8900117	8920117-210	8910117	8930117-210	8950016
900	DN900 (36")	1185	94	1105	32	39	M36	8900118	8920118	8910118	8930118	8950017
1000	DN1000 (40")	1275	98	1194	36	39	M36	8900119	8920119	8910119	8930119	8950018
1200	DN1200 (48")	1530	108	1441	40	42	M39	8900120	8920120	8910120	8930120	8950019

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

Gasket Material: FIBRE
T_G: 1.5mm

BACKING FLANGES - ASME B16.5 ANSI 150#

PE SIZE	FLANGE SIZE	OD	TCK	PCD	# HOLES	Ø HOLE	BOLT	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
20	DN15 (1/2")	88.9	9.7	60.5	4	15.9	1/2"	8900121	8920121-40 8920121-50 8920121-60	8910121	8930121-40 8930121-50 8930121-60	8940029
25	DN20 (3/4")	98.6	11.2	69.9	4	15.9	1/2"	8900122	8920122-40 8920122-50 8920122-60	8910122	8930122-40 8930122-50 8930122-60	8940030
32	DN25 (1")	108	12.7	79.2	4	15.9	1/2"	8900123	8920123-40 8920123-50 8920123-60	8910123	8930123-40 8930123-50 8930123-60	8940031
40	DN32 (1-1/4")	117.3	14.2	88.9	4	15.9	1/2"	8900124	8920124-40 8920124-50 8920124-60	8910124	8930124-40 8930124-50 8930124-60	8940032
50	DN40 (1-1/2")	127	15.7	98.6	4	15.9	1/2"	8900125	8920125-40 8920125-50 8920125-60	8910125	8930125-40 8930125-50 8930125-60	8940033
63	DN50 (2")	152.4	17.5	120.7	4	19.1	5/8"	8900126	8920126-65 8920126-80 8920126-100	8910126	8930126-65 8930126-80 8930126-100	8940034
75	DN65 (2-1/2")	177.8	20.6	139.7	4	19.1	5/8"	8900127	8920127-65 8920127-80 8920127-100	8910127	8930127-65 8930127-80 8930127-100	8940035
90	DN80 (3")	190.5	22.4	152.4	4	19.1	5/8"	8900128	8920128-65 8920128-80 8920128-100	8910128	8930128-65 8930128-80 8930128-100	8940036

*Plasson offers

M12 for 1/2"

M16 for 5/8"

Please check suitability for your system.

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.

BACKING FLANGES - ASME B16.5 ANSI 150#

PE SIZE	FLANGE SIZE	OD	TCK	PCD	# HOLES	Ø HOLE	BOLT	GALVANISED		316 SS		GASKET
								FLANGE	BOLT SET - LENGTH (mm)	FLANGE	BOLT SET LENGTH (mm)	
110	DN100 (4")	228.6	22.4	190.5	8	19.1	5/8	8900129	8920129-110	8910129	8930129-110	8940037
125	DN100 (4")	228.6	22.4	190.5	8	19.1	5/8	8900130	8920130-110	8910130	8930130-110	8940053
125	DN125 (5")	254.0	22.4	215.9	8	22.2	3/4	8900131	8920131-130	8910131	8930131-130	8940038
140	DN125 (5")	254.0	22.4	215.9	8	22.2	3/4	8900132	8920132-130	8910132	8930132-130	8940054
160	DN150 (6")	279.4	23.9	241.3	8	22.2	3/4	8900133	8920133-130	8910133	8930133-130	8940039
180	DN150 (6")	279.4	23.9	241.3	8	22.2	3/4	8900134	8920134-130	8910134	8930134-130	8940055
200	DN200 (8")	342.9	26.9	298.5	8	22.2	3/4	8900135	8920135-130	8910135	8930135-130	8940040
225	DN200 (8")	342.9	26.9	298.5	8	22.2	3/4	8900136	8920136-130	8910136	8930136-130	8940056
250	DN250 (10")	406.4	28.4	362.0	12	25.4	7/8	8900137	8920137-150	8910137	8930137-150	8940041
280	DN250 (10")	406.4	28.4	362.0	12	25.4	7/8	8900138	8920138-150	8910138	8930138-150	8940057
315	DN300 (12")	482.6	30.2	431.8	12	25.4	7/8	8900139	8920139-150	8910139	8930139-150	8940042
355	DN350 (14")	533.4	33.3	476.3	12	28.6	1	8900140	8920140-170	8910140	8930140-170	8940043
400	DN400 (16")	596.9	35.1	539.8	16	28.6	1	8900141	8920141-170	8910141	8930141-170	8940044
450	DN450 (18")	635.0	38.1	577.9	16	31.8	1.1/8	8900142	8920142-190	8910142	8930142-190	8940045

*Plasson offers

M12 for 1/2"

M16 for 5/8"

M20 for 3/4

M24 for 7/8

M27 for 1"

M30 for 1.1/8"

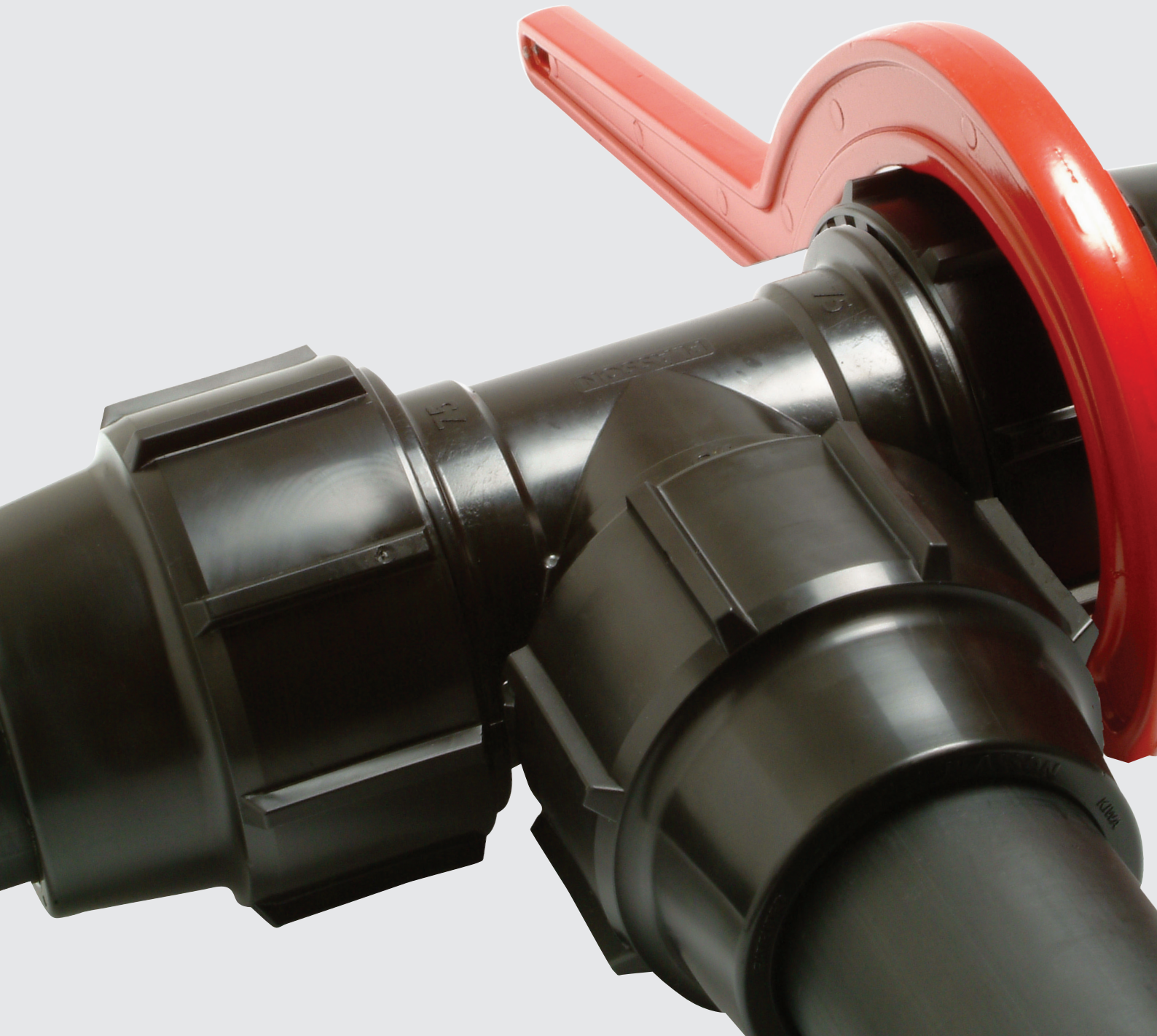
Please check suitability for your system.

Note: All dimensions in mm unless otherwise noted.

Galvanised bolts are not recommended for use with stainless steel flanges due to potential galvanic corrosion issues.



Assembly Instructions



Assembly Instructions

1/2" - 2" Rural Hand Tight Fittings

For a leakproof connection that will last a lifetime:

- ✓ Ensure the surface of the pipe to be inserted into the fittings is free of scratches and other imperfections
- ✓ Ensure both the end of the pipe and the fitting itself are clean of sand, mud, stones, etc
- ✓ Do not over tighten nut - max 1/2 turn past hand tight if using a wrench.
NEVER use wrenches or spanners with handle lengths longer than 22cm.
- ✓ Excessive torque during tightening can spread the nut cone and result in pull outs
- ✓ If fittings are reused, ensure split ring is sharp and bites into pipe to avoid pull outs
- ✓ Replace worn split rings
- ✓ Use PTFE tape in threaded connections

1



Cut pipe square, deburr and chamfer internal edge of pipe with knife.
Separate components of fitting and mount them on pipe - first the nut, followed by the split ring. Make sure the large end of the split ring faces towards the fitting.

2



Insert barbed end of tail into pipe so that the flange is hard against pipe face.
If necessary, use a rubber mallet or piece of timber and hammer.

3



Insert spigot end of tail into body of fitting until it passes through rubber o-ring and flange butts against shoulder of fitting.
Push split ring hard against flange.

4



Firmly hand tighten nut onto fitting body.

HAND
TIGHTEN



Note: With 1/2" size use 16mm metric fittings.
Pipe tail adaptor is not required.
Use metric assembly instructions.

Assembly Instructions

16 - 63mm Metric Fittings

1



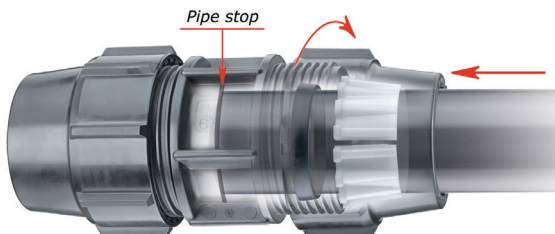
Cut pipe square, remove burrs and chamfer the end of the pipe with a file or chamfering tool. Use of a silicon based lubricant will ease the force required for pipe insertion.

2



Undo nut up to the last thread. Do not remove the nut. If the nut is removed care should be taken to ensure pipe is inserted square to the fitting.

3



Twist the pipe into the fitting through the nut and split ring until it meets the first resistance pushing against the captive o-ring. Push and twist the pipe past the o-ring until it stops at pipe stop inside the fitting - the final stop.

4











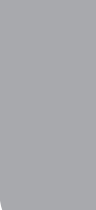

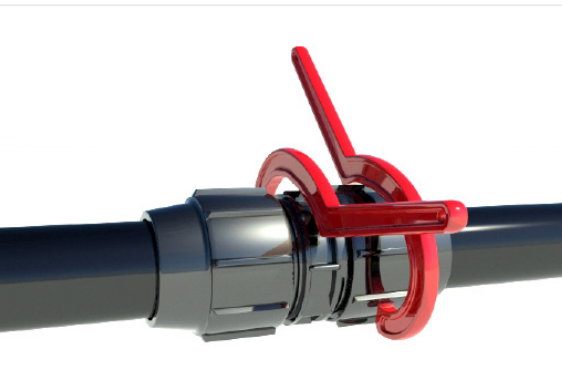
HAND
TIGHTEN



16-32mm Firmly hand tighten. 40-63mm Hand tighten then use a wrench for maximum further half turn. Wrench handle length should not exceed 22cm.

Assembly Instructions predictable and safe joining of coiled pipe

75 - 125mm Metric Fittings

<p>1</p> <p>NOT INSTALLED YET</p> 	 <p>Cut the pipe square. Remove nut and split ring. Reposition nut, bush and o-ring on pipe 2x diameters back. Lubricate pipe and o-ring.</p>	<p>2</p> <p>NOT INSTALLED YET</p> 	 <p>Push the pipe fully into the fitting body until stopped by the internal stop. Push the o-ring and plastic bush forward against the fitting. (They will not enter the body of the fitting).</p>
<p>3</p> <p>NOT INSTALLED YET</p> 	 <p>Tighten nut to push the bush and o-ring right into the fitting until the bush is flush with fitting mouth.</p>	<p>4</p> <p>NOT INSTALLED YET</p> 	 <p>Fully unscrew nut and pull back along pipe.</p>
<p>5</p> 	 <p>Open split ring and place on pipe with lugs touching bush. When reusing fittings, remove and destroy the old grip ring, replacing it with a new grip ring. Worn grips will not bite into pipe.</p>	<p>6</p>	 <p>Firmly hand tighten and then 1/2 turn with wrenches. Maximum handle length 45cm.</p> <p>Never overtighten nuts as this can cause blowouts.</p>

Assembly Instructions

Metric MineSafe Fittings 63 - 125mm

1



NOT
INSTALLED
YET



Cut the pipe square. Remove nut and split ring. Reposition nut, bush and o-ring on pipe 2x diameters back. Lubricate pipe and o-ring.

2



NOT
INSTALLED
YET



Push the pipe fully into the fitting body until stopped by the internal stop. Push the o-ring and plastic bush forward against the fitting. (They will not enter the body of the fitting).

3



NOT
INSTALLED
YET



Tighten nut to push the bush and o-ring right into the fitting until the bush is flush with fitting mouth.

4



NOT
INSTALLED
YET



Fully unscrew nut and pull back along pipe.

5



Open split ring and place on pipe with lugs touching bush. When reusing fittings, remove and destroy the old grip ring, replacing it with a new grip ring. Worn grips will not bite into pipe.

6



Firmly hand tighten and then 1/2 turn with wrenches. Maximum handle length 45cm.

Never overtighten nuts as this can cause blowouts.

Assembly Instructions

160mm Coupler



1. Undo and take out bolts and nuts.
2. Take the two shell halves apart.
3. Remove the exposed sleeve and o-ring and place over the pipe end.
4. Push fitting completely home over pipe end.
5. Push o-ring and sleeve into original position.
6. Place the two shell halves with grip rings inserted over pipe and fitting body. Now insert bolts, washers and nuts and tighten until the shells are in contact with each other.

Universal Adaptor and 90° Elbow



1. Remove any unsound material adhering to the pipe.
2. Select correct fitting using the Plasson gauge to measure the pipe.
3. Cut and de-burr pipe as necessary.
4. Slide the Plasson Universal Adaptor fitting end onto the pipe until the first resistance point.
5. Tighten the nut against the body. Final tightening to be done with a Plasson wrench or similar.
6. Assemble the metric PE joint following the standard fitting instructions.

Assembly Instructions

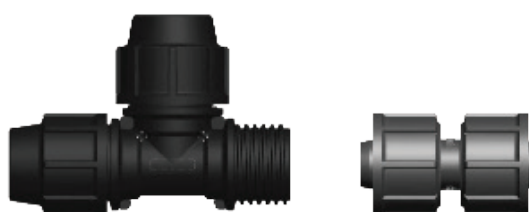
Modular Adaptor

1



The modular adaptor may be used with a wide variety of Plasson Series 7 compression fittings. Tee fittings are shown for illustration purposes.

2



Remove nut and split ring and set them aside.

3



Assemble adaptor on fitting body, hand tighten nut then add 1/2 turn with Plasson wrench. The nut need not reach the last thread for an effective seal.

4



Repeat procedure with a second fitting body.

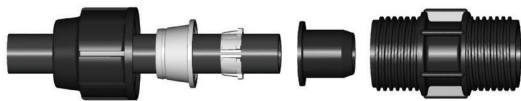
5



The assembly is ready for a third fitting or for nut and split ring.

Assembly Instructions

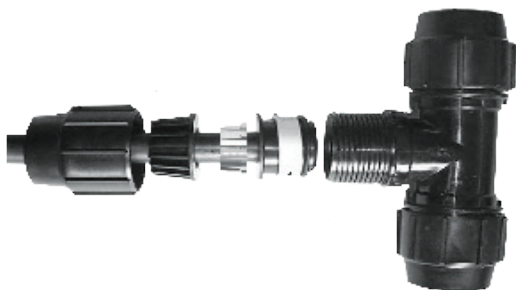
Reducing Set 63 - 20mm and Combinations



Note: Preassembled 110-63 fittings are available. See page 53

1. Remove nut from fitting and discard white split ring.
2. Slide nut, grey nut reducer(s) and white split ring from set onto the pipe as shown.
3. Make a mark on the pipe to depth of Reducing Bush.
4. Push pipe into bush up to the mark you have made.
5. Push reducing bush and pipe into body of the fitting until the shoulder of the reducing bush reaches the end of the fitting. Some lubricant at this point would be of help.
6. Draw the split ring and grey nut reducer(s) close to the body of the fitting.
7. Hand tighten and a maximum half turn past hand tight with a Plasson wrench. Maximum handle length 22cm.

Reducing Set 110 - 63mm and Combinations



1. Cut pipe square, remove burrs.
2. Remove nut from fitting and discard white split ring.
3. Insert reducing adaptor into fitting body. It will be stopped by the resistance of the internal o-ring.
4. Reposition nut onto fitting body.
5. Tighten nut with a wrench to push the reducing adaptor in through the o-ring until its shoulder abuts fitting bushing.
6. Unscrew nut from fitting.
7. Mount the nut, nut reducer and 63 white split ring (with large end facing the fitting) on the pipe.
8. Twist the pipe into the reducer through the seal to the pipe stop. Lubrication and chamfering of the pipe end will ease insertion of the pipe. Use a silicone lubricant.
9. Slide split ring to abut the reducer.
10. Hand tighten nut firmly and a further 1/2 turn with a Plasson wrench or a wrench with maximum handle length of 22cm.

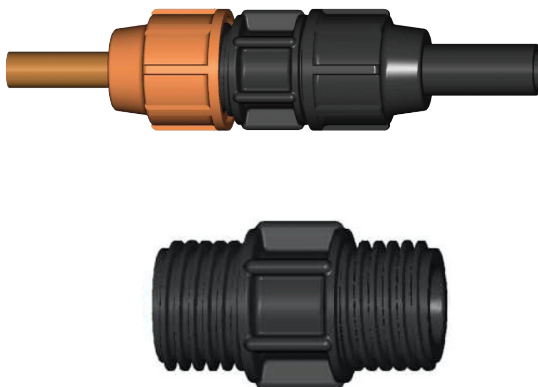
Assembly Instructions

Poly to Copper Fittings



1. Fittings supplied with copper nut. Release the terracotta coloured nut half a turn.
 2. Mark a line 6cm (2½") from the end of the ½" copper pipe or mark a line 7cm (2¾") from the end of the ¾ or 1" copper pipe.
 3. Lubricate the copper tube.
 4. Slide the copper pipe into the fitting until the marked line reaches the end of the nut.
 5. Firmly hand tighten nut.
 6. Use wrench for a further three quarter turn past hand tight for final tightening.
- Note: If reused, the metal grip ring must be replaced with a new one. The 25mm (1") adaptor does not include a rubber sleeve.

Poly to Copper Adaptor Kits



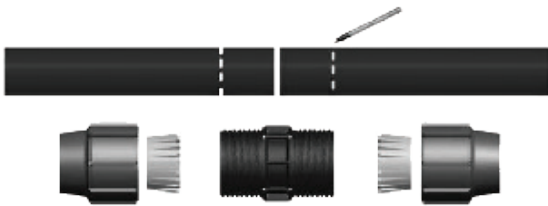
- DN15 (½") copper fits into 20mm Plasson compression end. Discard black 20mm Plasson nut, discard the white split ring, slide rubber liner into fitting body, position cone and SS ring inside copper coloured nut as shown in picture above. Reassemble to the Plasson body. Fit copper pipe as above.
- DN20 (¾") copper fits into 25mm Plasson compression end. Assemble as above with 25mm Plasson compression end.
- DN25 (1") copper fits into 25mm Plasson compression end. The rubber liner is not required as the copper is fitted into the fitting through the captive o-ring. Assemble as above with 25mm Plasson compression end.
- The unused black Plasson nuts and white split rings can be saved and used with Plasson bodies.

Note: Adaptor Kits fit into Plasson Reducing Sets.

Assembly Instructions

Slip Repair Coupler 20 - 63mm

1



Mark insertion depth on pipe ends.

Lubricate o-rings with inert lubricant.

2



Lift pipe end and slip nut, split ring and body fully onto pipe as shown.

Lift other pipe end and slip remaining nut and split ring onto it.

3



Realign pipe ends, then twist and push coupler body into place, ensuring that the insertion depth lines meet fittings body.

Position split rings adjacent to body.

4

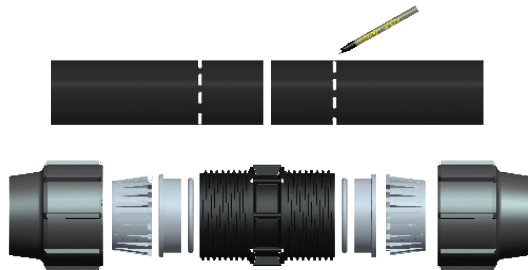


Assemble nuts on fitting body, hand tighten firmly then add 1/2 turn with Plasson wrench or wrench handle with length not exceeding 22cm.

Assembly Instructions

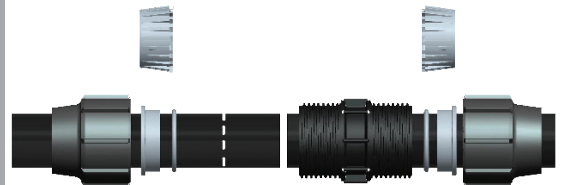
Slip Repair Coupler DN63 (Mine) - 125mm

1



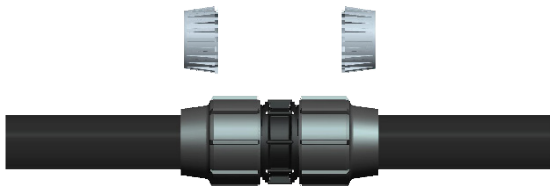
Mark insertion depth on pipe ends.
Lubricate o-rings with inert lubricant.

2



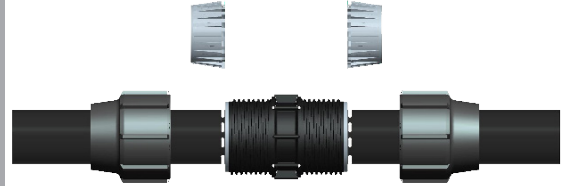
Put split rings aside, lift pipe end and slip nut, bush, o-ring and body fully onto pipe as shown.
Lift other pipe end and slip remaining nut, bush and o-ring onto it.

3



Realign pipe ends, then twist and push coupler body into place, ensuring that the insertion depth lines meet fitting body.
Position o-rings and bush adjacent to body, and tighten nuts as shown.

4



Fully unscrew nuts and pull back along pipe. Bush should be flush with body (as shown in picture).

5



Assemble split rings on pipe adjacent to fitting body and tighten nuts on fitting.

6



Firmly hand tighten and further 1/2 turn with a wrench - maximum handle length 22cm.

Assembly Instructions

Universal Slip Repair Coupler

1



Mark pipe insertion depth on the pipe (approx. half the fitting length). Undo nuts 1 to 2 turns while ensuring they remain on the fitting.

2



Insert the pipe until the mark is inline with the end of the nut.

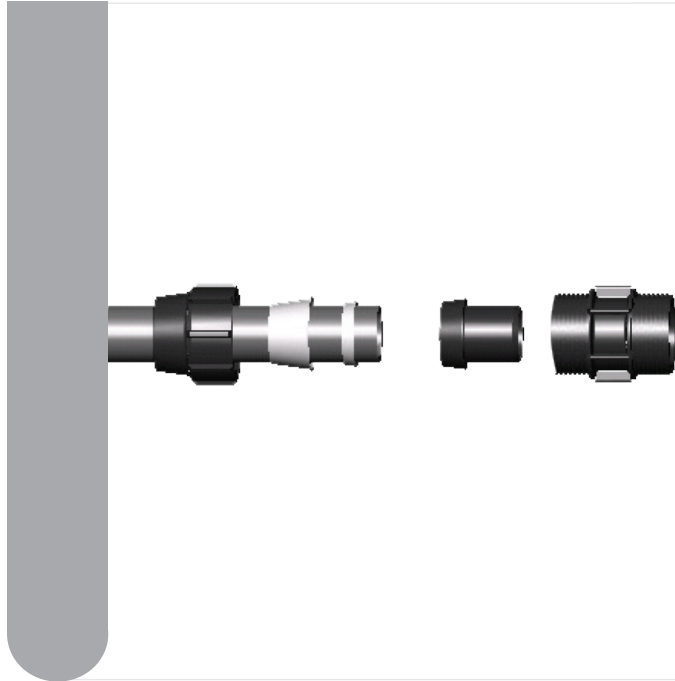
3



While holding the fitting body with a Plasson wrench (or a similar tool) tighten the nut firmly with another wrench. **Note:** If the fitting is to be reused, check all of the metal teeth are still in the white grip ring - if not, replace the old grip ring with a new one.

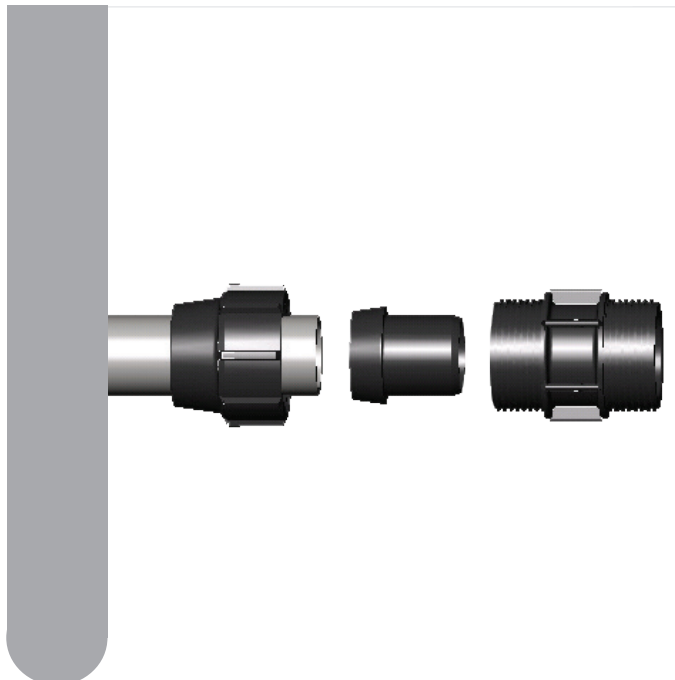
Assembly Instructions

Metric Steel / PVC Adaptor / Repair Coupling - Thrusted



1. Unscrew nut from fitting. Discard with plastic split ring.
2. Slide nut s/steel Cone and s/steel Split ring onto the steel/pvc pipe in that order.
Please note: The s/steel Grip ring has to be positioned with the external taper sloping towards the steel cone, i.e., the s/steel Grip ring will nest properly in the steel cone.
3. Fit rubber sleeve onto the steel/pvc pipe up to the stop.
4. Moisten the rubber sleeve and insert the steel/pvc pipe and sleeve into the fitting. Ensure it has properly passed the o-ring.
5. Move stainless steel grip split ring until it touches the conical side of the rubber sleeve. Move the steel cone so that it is positioned over the rubber cone.
6. Tighten the nut onto the body of the fitting using a plasson wrench or a spanner with maximum handle length of 46cm. This fitting, when assembled, is full thrusted and requires no special support or clamping to restrain the pipe and fitting.

Metric Steel / PVC Adaptor / Repair Coupling - Unthrusted



1. Unscrew nut from fitting and discard plastic split ring.
2. Slide nut onto the steel/pvc pipe.
3. Fit rubber* sleeve onto the steel/pvc pipe up to the stop.
4. Moisten the rubber sleeve and insert the steel/pvc pipe and sleeve into the fitting. Ensure it has properly passed the o-ring.
5. Tighten the nut onto the body of the fitting using a plasson wrench or a spanner with maximum handle length of 46cm.

Note: This fitting**, when assembled, is unthrusted and requires support and clamping to restrain the pipe and fitting.
*Rubber is NBR.
**Pressure rating is the same as normal Plasson fitting.

Important: When inserting plastic pipes and/or plastic fittings into existing steel pipework, care must be taken to ensure that existing electrical earth continuity is maintained.

Terms and Conditions

1. DEFINITIONS

"Agreement" means the agreement for supply of Goods between PLASSON and the Customer of which these "Conditions of Sale" form part.

"Charges" includes all monies payable by the Customer to PLASSON in relation to the supply of goods.

"Confirmation of Order" means a written document which sets out a description of the Goods, the Charges and other necessary terms and which may include details of the Customer's offer to purchase the Goods.

"Customer" means the entity which orders Goods from PLASSON or to which Goods are delivered by PLASSON and includes the Customer's agents and permitted assigns.

"Ex Works" has the same meaning as is ascribed to that term in Incoterms 1990.

"Goods" includes parts and supplies which may subsequently be supplied under any warranty given in relation the Goods.

"GST" means goods and services tax imposed in Australia by the GST law.

"PLASSON" means Plasson Australia Pty Ltd ACN 053 788 891, its agents and assigns.

"Permitted Security Interest" means any security interest which PLASSON consents to or otherwise agrees in writing with the Customer will be a Permitted Security Interest for the purposes of these terms and conditions. "Persons" includes corporations, partnerships and unincorporated associations.

Words importing the singular number shall include the plural and vice versa.

"PPSA" means the Personal Property Securities Act 2009 (Cth) as amended. "PPSR" means the Personal Property Security Register. "Purchase Money Security Interest" that has the meaning prescribed to it in the PPSA. "Security Interest" includes any security interest under the PPS Act.

2. CONDITIONS

2.1. These Conditions of Sale apply to all agreements for the supply of Goods by PLASSON and are varied or excluded only where such variation or exclusion is in writing and signed by a director of PLASSON and either is expressed to be a variation of these Conditions or is so inconsistent with them as to allow no other interpretation than that there has been an intentional variation of them.

2.2. Where a Customer has agreed to purchase goods from PLASSON upon the basis of these Conditions of Sale, these Conditions of Sale shall be incorporated into every subsequent agreement for purchase of Goods by that Customer from PLASSON unless specifically varied or excluded in the manner prescribed by clause 2.1.

3. QUOTATIONS AND ENTRY INTO AGREEMENT

3.1. No brochure, catalogue, price list, quotation or other communication published or forwarded by PLASSON to the Customer, whether in writing or not, shall constitute anything other than an invitation by PLASSON to the Customer to do business and shall not represent that the Goods or Charges referred to in them shall be available to the Customer. Any purchase order placed by the Customer with PLASSON constitutes only an offer to purchase Goods. Notwithstanding any prior communication between PLASSON and the Customer, there shall be no obligation by PLASSON to accept an offer to purchase Goods made by a Customer. The Customer's offer is only accepted by PLASSON issuing a Confirmation of Order to the Customer.

3.2. In the event of any inconsistency between the Customer's purchase order or other request and PLASSON's Confirmation of Order (which includes these Conditions), the terms of the Confirmation of Order shall prevail.

3.3. Unless otherwise stated in the Confirmation of Order prices quoted are exclusive of GST and the Customer is required to pay any GST payable by PLASSON in respect to the supply of Goods at the same time as the price is required to be paid by the Customer to PLASSON.

4. FUNCTIONALITY AND PERFORMANCE

4.1. All information, specifications or other data provided by PLASSON in relation to the Goods represent approximations only and small deviations or slight variations from them which do not substantially diminish the functionality or performance of the Goods will not entitle the Customer to either reject the Goods or make any claim in respect of them.

4.2. Information provided by PLASSON in relation to the performance of Goods represents only a guide as to the performance of the Goods under optimum operating conditions.

4.3. Without limiting the operation of Clause 4.2, PLASSON may at its sole discretion provide the Customer with training manuals and other materials in relation to the Goods. PLASSON gives no representation or warranty as to the accuracy of such materials or the use of them by the Customer.

5. CHARGES

5.1. The Customer shall pay to PLASSON all Charges within thirty (30) days from the date of the Invoice without reduction or deferment on account of any claim, counterclaim or setoff.

5.2. The Customer acknowledges that the cost of transportation and freight for the Goods is not included in the Charges and the Customer shall pay a reasonable additional fee for such costs. All other charges such as duty, insurance and taxes and other related expenses shall unless otherwise agreed in writing be paid by the Customer.

5.3. Should the Customer fail to pay any amount when due to PLASSON, the Customer shall be liable to pay to PLASSON without demand interest thereon at the rate of 1% above the rate charged on commercial overdraft accounts in excess of \$100,000.00 applicable from time to time and charged by PLASSON's bankers as nominated by Plasson at the relevant time. Interest payable hereunder shall be compounded monthly and calculated from the due date for payment to the date upon which payment is actually made.

5.4. Notwithstanding anything else appearing in the Agreement, all Charges shall immediately become due if the Customer shall fail to make any payment when due or shall become subject to the bankruptcy laws or enter into any composition with its creditors or enter into any liquidation or suffer a receiver or receiver and manager to be appointed for all or part of its assets.

5.5. Where payment of the Charges or part of the Charges is due prior to delivery of the Goods and where the Customer fails to make such payment, PLASSON may withhold delivery and give the customer a notice requiring payment to be made within seven days. Should the Customer fail to make the payment which is due within the time required by the notice, PLASSON may terminate the Agreement.

6. PROPERTY OF GOODS PURCHASED

6.1. No legal or equitable title to the Goods shall pass to the Customer until payment in full has been made by the Customer not only of all Charges for all Goods the subject of the Agreement (unless waived in writing by PLASSON) but also until payment has been made of all Charges for all goods previously supplied by PLASSON to the Customer.

6.2. Subject to Clause 6.5, until the legal and equitable title to the Goods passes to the Customer, the Customer shall

(a) Hold the Goods as bailee of PLASSON returnable at will and without prior demand by PLASSON;

(b) Store the Goods in such a manner as enables them to be readily identified and distinguished from all other goods held by the Customer and, where such other goods include goods previously supplied by PLASSON to the Customer and in respect of which title has passed to the Customer, then the Customer shall attach to the Goods in respect of which title has not passed a notice indication that the Goods are held as bailee for PLASSON.

(c) Upon demand by PLASSON immediately deliver up the goods to PLASSON; and

(d) Authorise and the Customer does here by authorise PLASSON to enter upon the premises upon which the Goods are stored for the purpose of taking possession of them.

7. SERVICE

Some Goods may require recalibration annually or at other periods nominated by PLASSON. The Customer may at its own cost transport and deliver the Goods to and from PLASSON's nominated premises from time to time. On receipt of the Goods, PLASSON agrees to recalibrate the Goods (if necessary) provided that the Customer pays PLASSON its then current service charges in respect of such recalibration.

8. INTELLECTUAL PROPERTY LICENCE

PLASSON hereby grants to the Customer a nonexclusive licence to use any software or firmware used in connection with the Goods and supplied by PLASSON. The licence shall be subject to any terms and conditions imposed by PLASSON or the owner of copyright in the software or firmware.

9. FINANCIER

9.1. If Plasson sells the Goods to a third party financier (the "Financier") at the request of the Customer, then PLASSON agrees to grant the licence referred to in Clause 10 to the Customer.

9.2. The Customer represents and warrants to PLASSON that if PLASSON sells the Goods to a Financier at the request of the Customer, the Customer shall continue to be bound by all of the terms of the Agreement in relation to the use of the Goods as if the Customer continued to be the legal and equitable owner of the Goods.

10. DELIVERY AND RISK

10.1. The Goods are sold on an Ex Works basis: delivery of the Goods will occur when the Goods are placed at the disposal of the Customer at PLASSON's premises and risk of loss or damage to the Goods then passes to the Customer. In these circumstances, PLASSON may agree to arrange carriage of the Goods for the Customer, but will do so as the agent for the Customer and delivery will occur and risk will pass when the Goods are placed at the disposal of the carrier. The Customer shall pay to PLASSON its Charges for carriage incurred upon the Customer's behalf.

10.2. Delivery dates represent only an estimation of the date of delivery of the Goods and are not binding on PLASSON. Nothing in the Confirmation of Order shall be construed as making time of the essence in the Agreement unless it is expressly stated to be so.

10.3. PLASSON reserves the right to deliver the Goods by installments and to invoice the Customer for each installment of Goods delivered where, in the opinion of PLASSON, it is reasonable to do so.

10.4. Failure by the Customer to pay for any installments, or any other amounts when due, shall entitle PLASSON to withhold or delay delivery of any remaining Goods.

10.5. If PLASSON determines that it is or may be unable to deliver the Goods within a reasonable time or at all, PLASSON may at its sole discretion terminate the Agreement. In the event of termination the Customer shall have no claim against PLASSON for any damage, loss or expense whatsoever.

10.6. If PLASSON is unable to effect delivery, PLASSON may store the Goods and charge the Customer for all costs and expenses associated with such storage and delayed delivery.

10.7. Subject to any express warranty provided in writing by PLASSON to the Customer, failure by the Customer to notify PLASSON within seven days of delivery that the Goods are not in accordance with their description in the Confirmation of Order shall constitute an unqualified acceptance of the Goods and a waiver by the Customer of all claims with respect to the Goods.

10.8. In arranging carriage, storage, insurance and forwarding of the Goods PLASSON shall at all times be acting as the Customer's agent and all Charges in relation to same shall be reimbursed by the Customer. This clause shall also apply to any partial delivery of the Goods.

10.9. Any Goods returned to Plasson by the Customer other than Goods incorrectly supplied, or Goods with major defects will only be accepted by Plasson on condition that:

(i) a re-stocking fee of 25% of the Charges applicable to the Goods plus GST and return freight charges are paid by the Customer to Plasson; and (ii) delivery by the Customer of a Return Authority from Plasson; and (iii) the Goods are of merchantable quality.

11. IMPLIED TERMS AND LIMITATION OF LIABILITY

11.1. Where conditions, warranties or other rights for the benefit of the Customer are implied or given in respect of the Agreement by Competition and Consumer Act, 2010 and / or the Sales of Goods Act 1896 (as amended) or other laws and it is not lawful or possible to exclude the same, then such conditions, warranties or other rights shall (but only to the extent required by law) apply to the Agreement, Save as aforesaid all such implied conditions, warranties and rights are hereby excluded.

11.2. To the extent permitted by law, liability of PLASSON for breach of this contract by PLASSON or negligence of PLASSON or for breach of any conditions or warranty implied by the Competition and Consumer Act, 2010 and / or the Sales of Goods Act 1896 (as amended) shall be limited to one of the following at PLASSON's option:

(a) the replacement of the Goods or the supply of equivalent Goods; or

(b) the repair of the Goods; or

(c) the payment of the costs of replacing the Goods or of acquiring equivalent Goods;

(d) the payment of the cost of having the Goods repaired; and in the case of services supplied, to one of the following (as PLASSON may determine): (1) the supplying of the services again, or (2) the payment of the costs of having the services supplied again.

11.3. Save as expressly provided in any written warranty provided in writing by PLASSON to the Customer and in Clauses 11.1 and 11.2 and notwithstanding any implication arising from any other clauses in the Agreement, PLASSON shall not be liable to the Customer or any person claiming under it in contract or in tort for, or in respect of, any direct, indirect or consequential loss, damage, expense or injury suffered by the Customer or any other person whatsoever, arising out of, in connection with or relating to the performance,

non-performance or any breach of the Agreement (including, by way of illustration and not in limitation, liability due to the negligence or wilful default of PLASSON) or any matter relating to the Agreement or any error (whether negligent or not) in information supplied to the Customer before or after the date of the Agreement in connection with its subject matter. "Consequential loss" shall include but not be limited to loss of profit, use or good will (or similar financial loss), payment made or due to any other person and any loss or damage caused by delay in the performance of any obligation, together with any expenses incurred by the Customer in connection therewith, arising therefrom or incurred in mitigation or attempted mitigation of such loss or damage.

11.4. Clause 11.3 shall apply to all express warranties provided in writing by PLASSON except to the extent that those warranties specifically provide otherwise.

11.5. Where any law implies into the Agreement a condition that the Goods are of merchantable quality, and the Goods are purchased by the Customer for particular purpose, the Goods will not be considered by the Customer as being fit for any other purpose, whether or not that other purpose is one for which goods of that kind are commonly bought.

12. DEPOSIT

12.1. Where PLASSON agrees to supply Goods upon the condition that a deposit of part or all of the charges is paid prior to delivery ("the Deposit"), in the event that the Customer terminates the Agreement or fails to take delivery of the Goods or is otherwise in breach of its obligations to PLASSON so that PLASSON is entitled to terminate the Agreement, the Customer shall forfeit ten per cent of the Deposit to PLASSON for PLASSON's benefit and PLASSON shall refund the balance to the Customer.

12.2. The forfeiture of the Deposit shall not be deemed any limitation, in damages or otherwise including damages for loss of profits, of the liability of the Customer to PLASSON.

13. TERMINATION

In addition to the rights of termination provided in the above conditions, PLASSON may terminate the Agreement upon the occurrence of any of the following events.

- (a) Failure by the Customer to perform any obligation of this Agreement where such failure is not rectified within 30 days of notice from PLASSON requesting rectification.
- (b) The Customer becomes bankrupt or an order is made or a resolution is passed for the winding up of the Customer or a ground arises on which a court may order its winding up or upon which a meeting may rely for the purposes of placing the Customer under official management or an inspector is appointed to investigate its affairs or it proposes to or enters into any arrangement, scheme, reconstruction or composition with creditors.
- (c) A receiver of receiver and manager of the Customer's assets, income or business or any part thereof is appointed or a mortgagee goes into possession thereof and such appointment is not terminated or such possession does not cease within fourteen days.
- (d) The Customer shall fail to pay its debts as they shall fall due or cease or threaten to cease to carry on business or sell, assign, transfer the whole or any part of its undertaking or assets otherwise than in the ordinary course of business.
- (e) The Customer purports to assign its rights under the Agreement.
- (f) Any event occurs outside the reasonable control of PLASSON which in PLASSON's estimate makes it impracticable or impossible for it to fulfil its obligation under the Agreement.

14. FORCE MAJEURE

14.1. PLASSON will not be liable for any loss or damage suffered by the Customer due to any delay or any breach or default under the Agreement in circumstances where such delay, breach or default results from causes beyond PLASSON's reasonable control including but not limited to any breach or default under the Agreement by the Customer, compliance with any laws, regulations, orders, acts, instructions or priority requests of governments, acts of God, fires, floods, weather, strikes, lockouts, factory shutdown or alterations, embargoes, wares, riots, delay or shortage in transportation or inability to obtain labour, manufacturing facilities, electricity, oil or other materials from PLASSON's or the Manufacturer's usual sources.

14.2. Any delay resulting from such cause shall immediately extend the delivery date by the period of delay in which event the Customer shall take, if necessary, steps to secure payment for the Goods.

15. MISCELLANEOUS

15.1 Any indulgence, latitude or extension of time which PLASSON may show towards the Customer in relation to any of the provisions of the Agreement or any matter or thing relating thereto or arising therefrom shall not in any way prejudice or interfere with PLASSON's rights under the Agreement and shall not be claimed to constitute a waiver thereof.

15.2 The Customer acknowledges that no oral terms or representations form part of the Agreement unless they have been reduced to writing and signed by PLASSON prior to entering into the Agreement.

15.3 Any notice to be given to a party shall be in writing and shall be sent by post, email or facsimile to the address of that party as shown in the Confirmation of Order or as subsequently notified by that party to the party giving the notice and shall be deemed to have been given at the time it would have been received in the normal course of post if forwarded by post and if otherwise given at the time it was actually received.

15.4 The Agreement shall be governed by the laws of New South Wales and the parties agree to submit to the jurisdiction of the Courts for that State.

15.5 In the event of PLASSON seeking to recover any amount due from the Customer or to enforce any of its other rights under the Agreement, the Customer undertakes to pay to PLASSON any costs incurred by PLASSON in so doing, including any legal costs incurred on the solicitor and own client basis.

16. SECURITY INTEREST

(a) The Customer hereby acknowledges that these terms and conditions of sale constitute a security agreement which creates a Security Interest in favour of PLASSON and in all Goods supplied by PLASSON to the Customer and all after acquired Goods supplied to the Customer by PLASSON (or for the Customer's account) to secure the payment from time to time for Goods, including future advances. The Customer agrees to grant to PLASSON a Purchase Money Security Interest. (b) The Customer gives PLASSON a Security Interest in all of its present and after acquired property in which Goods supplied or financed by PLASSON have been attached or incorporated, including any Commingled Goods and in any proceeds of sale of Goods.

17. GENERAL COVENANTS

(a) Until such time as payment in full has been received by PLASSON from the Customer in respect to an Order, the Customer covenants to PLASSON not to create, cause or permit to exist any other Security Interest over any Goods the subject of the applicable Order, other than a Permitted Security Interest and covenants that it shall comply with the terms of each Permitted Security Interest binding on it in respect of the relevant Goods from time to time and shall ensure that: (i) there is no increase in the amount secured under a Permitted Security Interest (excluding any part of a Permitted Security Interest which is a purchase money security interest); and (ii) there is no variation to a Permitted Security Interest that increases the collateral the subject of the Permitted Security Interest, other than in the case of a purchase money security interest, without obtaining the prior written consent of PLASSON. (b) The Customer covenants to PLASSON that it shall sign anything and do anything PLASSON requires to further or more effectively secure PLASSON's rights over the applicable Goods or under these terms and conditions. This includes anything PLASSON requires in order for it to: (i) register and maintain (including renew before expiry) one or more financing statements in relation to any Security Interest in the relevant Goods created by these terms and conditions and/or any Order; (ii) remove any financing statement which is registered against the Customer or in relation to a Security Interest which is not a Permitted Security Interest; and (iii) obtain possession or control of any Goods for the purposes of perfecting any Security Interest in that property by possession or control for the purposes of the PPSA. (c) The Customer waives its rights to receive a verification statement in respect of any financing statement or financing change statement registered by or on behalf of PLASSON under the PPSA to the extent permitted by the PPSA and agrees to that as between PLASSON and the Customer, to the extent permitted by the PPSA, the Customer will have no rights under (or by reference to) sections 95, 96, 117, 118, 120, 121(4), 123, 125, 126, 128, 129, 130, 132(3)(d), 132(4), 134(1), 135, 142 and 143 of the PPSA.

We support our Distributors:

- ✓ Service excellence through local expertise and comprehensive field support
- ✓ Fast, accurate and efficient dispatch of products
- ✓ Merchandising assistance – smart way to display stock and promote your range of Plasson fittings
- ✓ Reliable products – over forty years of proven performance in harsh Australian conditions
- ✓ Attractive commercial arrangements
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