



# Complete range of fittings for Polyethylene Piping Systems



**August 2020**

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## 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
- ✓ Proven products – over forty years of proven performance in harsh Australian conditions
- ✓ Attractive commercial arrangements
- ✓ Opportunities in new markets such as plumbing, municipal water and larger PE pipe diameter projects
- ✓ Inclusion on our online Plasson stockist store locator to promote your Plasson range

### Exclusive distribution partner for

**SIMONA**



 **PLASSON**®  
GLOBAL PRESENCE • LOCAL COMMITMENT

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## Exclusive Sponsorship

### We're supporting the Tasmanian Devil

Under a 12 month sponsorship, Plasson supports the life of one endangered Tasmanian Devil with the name "Plasson" at "Devils@Cradle", a unique Tasmanian conservation sanctuary located at the entrance to the World Heritage listed Cradle Mountain National Park.

The funds Plasson Australia is providing assist with veterinary assessments and supplies, daily food and husbandry requirements.

Plasson comes from the Hebrew words for Plastic (Plass) and strength (on). We chose the devil name Plasson because we do believe in the strength and resilience of the Tassie devil to live for many more years.

Our global **Corporate Social Responsibility** has been part of the company values, goals and activities from the beginning of our history. Making a mark in saving the native wildlife of Australia has been close to our heart.

### Who is the Tasmanian Devil?

Found only in Tasmania, the Tasmanian Devil has been classified as 'endangered' following a decline of up to 90 per cent across its natural range due to a contagious facial cancer known as Devil Facial Tumour Disease (DFTD). The Save the Tasmanian Devil Program was established in response to DFTD. Despite the decline in numbers since the early 1990s, populations of Tasmanian devils remain widespread in Tasmania from the coast to the mountains.



# 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
- ✓ SmartFuse electrofusion systems
- ✓ Largest fitting range
- ✓ Vast range of adaptor and conversion kits
- ✓ Extensive stock
- ✓ Best logistics and stock systems

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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.

 **PLASSON**<sup>®</sup>

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# Rural Compression Fittings



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**Rural Tightening Tool:**

**—Your Hand—**



No wrenches - No hassles - No leaks



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

 **PLASSON**<sup>®</sup>  
ENGINEERED TO LAST

## RURAL COMPRESSION FITTINGS

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

### 7010 - RURAL COUPLING



RURAL	BAG QTY	CODE	PRICE
1/2"	10	7010001*	7.47
3/4"	10	7010002	10.24
1"	10	7010003	13.47
1.1/4"	5	7010004	18.83
1.1/2"	1	7010005	23.55
2"	1	7010006	42.11

\*Note: All black fitting supplied

### 7010 - RURAL COUPLING BODY



RURAL	BAG QTY	CODE	PRICE
1/2"	1	7010007	4.57
3/4"	1	7010008	6.75
1"	1	7010009	6.75
1.1/4"	1	7010010	9.14
1.1/2"	1	7010011	10.94
2"	1	7011012	11.88

Suits rural & metric fittings

### 7110 - RURAL REDUCING COUPLING



RURAL X RURAL	BAG QTY	CODE	PRICE
3/4" x 1/2"	10	7110001	12.02
1" x 1/2"	10	7110002	14.86
1" x 3/4"	10	7110003	14.86
1.1/4" x 3/4"	5	7110004	19.92
1.1/4" x 1"	5	7110005	19.92
1.1/2" x 1"	1	7110006	26.39
1.1/2" x 1.1/4"	1	7110007	26.39
2" x 1"	1	7110008	44.32
2" x 1.1/4"	1	7110009	44.32
2" x 1.1/2"	1	7110010	44.32

### 7020 - RURAL MALE THREADED ADAPTOR



RURAL X BSP	BAG QTY	CODE	PRICE
1/2" x 1/2"	10	7020001	5.50
1/2" x 3/4"	10	7020002	5.50
3/4" x 1/2"	10	7020003	6.63
3/4" x 3/4"	10	7020004	6.63
3/4" x 1"	10	7020005	6.63
1" x 1/2"	10	7020006	8.82
1" x 3/4"	10	7020007	8.82
1" x 1"	10	7020008	8.82
1.1/4" x 3/4"	5	7020009	12.32
1.1/4" x 1"	5	7020010	12.32
1.1/4" x 1.1/4"	5	7020011	12.32
1.1/4" x 1.1/2"	5	7020012	12.32

## RURAL COMPRESSION FITTINGS

### 7020 - RURAL MALE THREADED ADAPTOR CONT.



RURAL X BSP	BAG QTY	CODE	PRICE
1.1/2" x 1"	1	7020013	15.80
1.1/2" x 1.1/4"	1	7020014	15.80
1.1/2" x 1.1/2"	1	7020015	15.80
1.1/2" x 2"	1	7020016	15.80
2" x 1"	1	7020017	27.01
2" x 1.1/4"	1	7020018	27.01
2" x 1.1/2"	1	7020019	27.01
2" x 2"	1	7020020	27.01

### 7250 - RURAL BARREL UNION ADAPTOR WITH MALE THREAD



RURAL X BSP	BAG QTY	CODE	PRICE
1" x 1/2"	1	7250001	7.31
1" x 3/4"	1	7250002	7.31
1.1/4" x 1/2"	1	7250003	9.20
1.1/4" x 3/4"	1	7250004	9.20
1.1/4" x 1"	1	7250005	9.20
1.1/2" x 1"	1	7250006	11.76
1.1/2" x 1.1/4"	1	7250007	11.76
1.1/2" x 1.1/2"	1	7250008	11.76
2" x 1"	1	7250009	16.25
2" x 1.1/4"	1	7250010	16.25
2" x 1.1/2"	1	7250011	16.25
2" x 2"	1	7250012	16.25

### 7030 - RURAL FEMALE ADAPTOR



RURAL X BSP	BAG QTY	CODE	PRICE
1/2" x 1/2"	10	7030001	7.22
1/2" x 3/4"	10	7030002	7.22
3/4" x 1/2"	10	7030003	8.29
3/4" x 3/4"	10	7030004	8.29
3/4" x 1"	10	7030005	8.29
1" x 3/4"	10	7030006	10.61
1" x 1"	10	7030007	10.61
1.1/4" x 3/4"	5	7030008	15.02
1.1/4" x 1"	5	7030009	15.02
1.1/4"* x 1.1/4"	5	7030010	17.28
1.1/2" x 1"	1	7030011	19.69
1.1/2"* x 1.1/4"	1	7030012	19.69
1.1/2"* x 1.1/2"	1	7030013	19.69
2"* x 1.1/4"	1	7030014	32.70
2"* x 1.1/2"	1	7030015	32.70
2"* x 2"	1	7030016	32.70

\*Fitting with stainless steel reinforcing ring

## RURAL COMPRESSION FITTINGS

### 7050 - 90° RURAL ELBOW



RURAL	BAG QTY	CODE	PRICE
1/2"	10	7050001	10.27
3/4"	10	7050002	14.08
1"	10	7050003	18.19
1.1/4"	5	7050004	26.29
1.1/2"	1	7050005	37.44
2"	1	7050006	55.47

### 7850 - 90° RURAL MALE ELBOW



RURAL X BSP	BAG QTY	CODE	PRICE
3/4" x 1/2"	10	7850001	10.49
3/4" x 3/4"	10	7850002	10.49
1" x 1/2"	10	7850003	14.80
1" x 3/4"	10	7850004	15.98
1" x 1"	10	7850005	15.98
1.1/4" x 3/4"	5	7850006	20.11
1.1/4" x 1"	5	7850007	20.11
1.1/4" x 1.1/4"	5	7850008	18.61
1.1/2" x 1"	1	7850009	28.28
1.1/2" x 1.1/4"	1	7850010	28.28
1.1/2" x 1.1/2"	1	7850011	28.28
2" x 1"	1	7850012	32.32
2" x 1.1/4"	1	7850013	32.32
2" x 1.1/2"	1	7850014	32.32
2" x 2"	1	7850015	32.32

### 7150 - 90° RURAL FEMALE ELBOW



RURAL X BSP	BAG QTY	CODE	PRICE
1/2" x 1/2"	10	7150001	8.29
3/4" x 1/2"	10	7150002	11.21
3/4" x 3/4"	10	7150003	11.21
1" x 1/2"	1	7150004	22.00
1" x 3/4"	10	7150005	14.03
1" x 1"	10	7150006	14.03
1.1/4" x 3/4"	5	7150007	21.22
1.1/4" x 1"	5	7150008	21.22
1.1/4" x 1.1/4"	5	7150009	21.22
1.1/2" x 1"	1	7150010	28.17
1.1/2" x 1.1/4"	1	7150011	28.17
1.1/2" x 1.1/2"	1	7150012	28.17
1.1/2" x 2"	1	7150013	28.17
2" x 1"	1	7150014	43.34
2" x 1.1/4"	1	7150015	40.15
2" x 1.1/2"	1	7150016	40.15
2" x 2"	1	7150017	40.15

Fittings with 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	PRICE
1/2"	1/2"	1/2"	10	7040001	13.65
3/4"	3/4"	3/4"	10	7040002	18.61
1"	1"	1"	5	7040003	25.33
1.1/4"	1.1/4"	1.1/4"	5	7040004	37.28
1.1/2"	1.1/2"	1.1/2"	1	7040005	52.19
2"	2"	2"	1	7040006	77.58

### 7340 - 90° RURAL REDUCING TEE



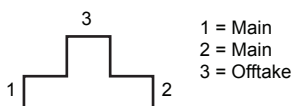
RURAL 1	RURAL 2	RURAL 3	BAG QTY	CODE	PRICE
3/4"	3/4"	1/2"	10	7340001	22.12
1"	1"	3/4"	5	7340002	27.24
1.1/4"	1.1/4"	1"	5	7340003	36.80
1.1/2"	1.1/2"	1"	1	7340004	50.72
1.1/2"	1.1/2"	1.1/4"	1	7340005	53.78
2"	2"	1"	1	7340006	75.18
2"	2"	1.1/4"	1	7340007	75.18
2"	2"	1.1/2"	1	7340008	75.18

### 7840 - 90° RURAL TEE WITH MALE THREADED OFFTAKE



RURAL 1	RURAL 2	BSP 2	BAG QTY	CODE	PRICE
3/4"	3/4"	1/2"	10	7840001	18.39
3/4"	3/4"	3/4"	10	7840002	18.39
1"	1"	1/2"	5	7840003	21.08
1"	1"	3/4"	5	7840004	21.08
1.1/4"	1.1/4"	1"	5	7840005	29.45
1.1/2"	1.1/2"	1.1/4"	1	7840006	39.00
1.1/2"	1.1/2"	1.1/2"	1	7840007	39.00
2"	2"	1.1/2"	1	7840008	63.25
2"	2"	2"	1	7840009	63.25

### 7140 - 90° RURAL TEE WITH FEMALE THREADED OFFTAKE



RURAL 1	RURAL 2	BSP 3	BAG QTY	CODE	PRICE
1/2"	1/2"	1/2"	10	7140001	12.47
1/2"	1/2"	3/4"	10	7140002	12.47
3/4"	1/2"	3/4"	10	7140003	15.02
3/4"	3/4"	1/2"	10	7140004	15.02
3/4"	3/4"	3/4"	10	7140005	15.02
1"	1"	1/2"	5	7140006	20.65
1"	1"	3/4"	5	7140007	20.65
1"	1"	1"	5	7140008	20.65
1"	1"	1.1/4"	5	7140009	20.65
1.1/4"	1"	1"	5	7140010	30.19
1.1/4"	1.1/4"	3/4"	5	7140011	30.19
1.1/4"	1.1/4"	1"	5	7140012	30.19
1.1/4"	1.1/4"	1.1/4"	5	7140013	30.19
1.1/4"	1.1/4"	1.1/2"	5	7140014	30.19
1.1/2"	1.1/2"	1"	1	7140015	44.55
1.1/2"	1.1/2"	1.1/4"	1	7140016	44.55
1.1/2"	1.1/2"	1.1/2"	1	7140017	44.55
1.1/2"	1.1/2"	2"	1	7140018	44.55
2"	2"	1.1/2"	1	7140019	62.65
2"	2"	2"	1	7140020	62.65

## RURAL COMPRESSION FITTINGS

### 7120 - RURAL END PLUG



RURAL	BAG QTY	CODE	PRICE
1"	10	7120001	9.25
1.1/4"	5	7120002	11.70
1.1/2"	1	7120003	17.01
2"	1	7120004	25.00

### 7120 - BLANKING PLUG - OUTLET SEAL



RURAL	BAG QTY	CODE	PRICE
3/4"	10	7120005	1.31
1"	10	7120006	1.96
1.1/4"	10	7120007	2.59
1.1/2"	10	7120008	3.20
2"	10	7120009	4.23

Use to seal any metric or rural compression fitting.

### 1602 - RURAL TAPPING SADDLE



RURAL X BSP	BAG QTY	GALVANISED BOLTS		STAINLESS STEEL BOLTS	
		CODE	PRICE	CODE	PRICE
2" x 3/4"	1	1602001	16.18	1602003	21.45
2" x 1"	1	1602002	16.18	1602004	21.45

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		STAINLESS STEEL BOLTS	
		CODE	PRICE	CODE	PRICE
20 (3/4") x 1/2"	Metric & Rural (Long Bolts)	1607001	7.80	1607109	10.94
25 (1") x 1/2"	Metric & Rural (Long Bolts)	1607002	8.92	1607110	11.94
25 (1") x 3/4"	Metric & Rural (Long Bolts)	1607003	8.92	1607111	11.94
32 (1.1/4") x 1/2"	Metric & Rural (Long Bolts)	1607004	10.59	1607112	18.39
32 (1.1/4") x 3/4"	Metric & Rural (Long Bolts)	1607005	10.59	1607113	18.39
32 (1.1/4") x 1"	Metric & Rural (Long Bolts)	1607006	10.59	1607114	18.39
40 (1.1/2") x 1/2"	Metric & Rural (Long Bolts)	1607007	12.02	1607115	19.77
40 (1.1/2") x 3/4"	Metric & Rural (Long Bolts)	1607008	12.02	1607116	19.77
40 (1.1/2") x 1"	Metric & Rural (Long Bolts)	1607009	12.02	1607117	19.77
50 (2") x 1/2"	Metric & Rural (Long Bolts)	1607010	13.60	1607118	21.45
50 (2") x 1.1/4"	Metric & Rural (Long Bolts)	1607011	13.60	1607119	21.45

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

**RURAL COMPRESSION FITTINGS**
**7005 - RURAL ADAPTOR**


RURAL	BAG QTY	CODE	PRICE
3/4"	10	7005001	1.08
1"	10	7005002	1.14
1.1/4"	5	7005003	1.55
1.1/2"	5	7005004	2.06
2"	5	7005005	2.81

**7004 - RURAL NUT**


RURAL	BAG QTY	CODE	PRICE
3/4"	1	7004018	1.08
1"	1	7004019	1.14
1 1/4"	1	7004020	1.55
1 1/2"	1	7004021	2.70
2"	1	7004022	3.39

**7003 - RURAL SPLIT RINGS**


RURAL	BAG QTY	CODE	PRICE
3/4"	1	7003026	0.31
1"	1	7003025	0.38
1 1/4"	1	7003001	1.08
1 1/2"	1	7003002	1.31
2"	1	7003003	2.18

**7940 - MODULAR ADAPTOR - FOR CLOSE/TIGHT ASSEMBLIES**


RURAL	BAG QTY	CODE	PRICE
3/4"	10	7940001	8.82
1"	10	7940002	11.26
1.1/4"	5	7940003	15.67
1.1/2"	1	7940004	24.52
2"	1	7940005	35.10

# 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	PRICE
3/4"	x	20	1	7980001	1.55
1"	x	25	1	7980002	1.74
1.1/4"	x	32	1	7980003	2.70
1.1/2"	x	40	1	7980004	4.33
2"	x	50	1	7980005	6.17

#### 7980 - RURAL CONVERSION KIT - METRIC TO RURAL



METRIC	X	RURAL	BAG QTY	CODE	PRICE
20	x	3/4"	1	7980006	2.70
25	x	1"	1	7980007	3.34
32	x	1.1/4"	1	7980008	5.05
40	x	1.1/2"	1	7980009	8.25
50	x	2"	1	7980010	11.17

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



METRIC	X	RURAL	BAG QTY	CODE	PRICE
32	x	1"	1	7990001	5.39
40	x	1.1/4"	1	7990002	8.99
50	x	1.1/2"	1	7990003	11.76

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



METRIC	X	RURAL	BAG QTY	CODE	PRICE
25	x	3/4"	1	7990004	3.69
32	x	1"	1	7990005	5.53

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	PRICE
1/2" x 1/2"	10	16	5060001	0.94
3/4" x 3/4"	10	16	5060002	1.22
1" x 1"	10	16	5060003	1.47
1.1/4" x 1.1/4"	10	16	5060004	1.96
1.1/2" x 1.1/2"	5	16	5060005	2.38
2" x 2"	5	16	5060006	3.32

### 5060 - THREADED REDUCING NIPPLE



SIZE	BAG QTY	PN WATER	CODE	PRICE
3/4" x 1/2"	10	16	5060007	1.42
1" x 1/2"	10	16	5060008	1.77
1" x 3/4"	10	16	5060009	1.77
1.1/4" x 1/2"	10	16	5060010	2.18
1.1/4" x 3/4"	10	16	5060011	2.18
1.1/4" x 1"	10	16	5060012	2.18
1.1/2" x 1/2"	5	16	5060013	2.59
1.1/2" x 3/4"	5	16	5060014	2.59
1.1/2" x 1"	5	16	5060015	2.59
1.1/2" x 1.1/4"	5	16	5060016	2.59
2" x 1/2"	5	16	5060017	3.28
2" x 3/4"	5	16	5060018	3.28
2" x 1"	5	16	5060019	3.28
2" x 1.1/4"	5	16	5060020	3.28
2" x 1.1/2"	5	16	5060021	3.28

### 5170 - THREADED PLUG



SIZE	BAG QTY	PN WATER	CODE	PRICE
3/8"	10	16	5170001	0.91
1/2"	10	16	5170002	0.91
3/4"	10	16	5170003	0.91
1"	10	16	5170004	1.07
1.1/4"	10	16	5170005	1.43
1.1/2"	10	16	5170006	1.81
2"	10	16	5170007	2.38

### 5070 - THREADED CAP



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2"	10	16	5070001	1.11
3/4"	10	16	5070002	1.35
1"	10	16	5070003	1.65
1.1/4"	10	10	5070004	2.14
1.1/2"	10	10	5070005	2.89
2"	5	10	5070006	3.98

## BSP THREADED FITTINGS

### 5010 - THREADED SOCKET



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2"	10	16	5010001	2.18
3/4"	10	16	5010002	2.75
1"	10	16	5010003	3.03
1.1/4"	10	10	5010004	4.50
1.1/2"	10	10	5010005	4.89
2"	5	10	5010006	6.32

### 5011 - THREADED SOCKET (STAINLESS STEEL REINFORCED)



SIZE	BAG QTY	PN WATER	CODE	PRICE
1.1/4"	10	16	5011001	8.02
1.1/2"	10	16	5011002	8.93
2"	5	16	5011003	10.26

### 5110 - THREADED REDUCING SOCKET



SIZE	BAG QTY	PN WATER	CODE	PRICE
3/4" x 1/2"	10	16	5110001	1.53

### 5050 - 90° THREADED ELBOW



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2"	10	16	5050001	2.84
3/4"	10	16	5050002	3.06
1"	10	16	5050003	3.54
1.1/4"	10	10	5050004	4.88
1.1/2"	5	10	5050005	5.82
2"	5	10	5050006	7.64

### 5051 - 90° THREADED ELBOW (STAINLESS STEEL REINFORCED)



SIZE	BAG QTY	PN WATER	CODE	PRICE
1.1/4"	10	16	5051001	11.40
1.1/2"	5	16	5051002	13.81
2"	5	16	5051003	16.59

### 5150 - 90° ELBOW WITH FEMALE-MALE THREADED



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2" x 1/2"	10	16	5150001	3.03
3/4" x 3/4"	10	16	5150002	3.24
1" x 1"	10	16	5150003	3.74



## BSP THREADED FITTINGS

### 5040 - THREADED TEE



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2"	10	16	5040001	3.16
3/4"	10	16	5040002	3.54
1"	10	16	5040003	4.43
1.1/4"	5	10	5040006	7.64
1.1/2"	5	10	5040004	8.71
2"	5	10	5040005	10.79

### 5041 - THREADED TEE (STAINLESS STEEL REINFORCED)



SIZE	BAG QTY	PN WATER	CODE	PRICE
1.1/4"	5	16	5041001	17.33
1.1/2"	5	16	5041002	19.26
2"	5	16	5041003	24.51

### 5160 - THREADED RISER



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2" x 1/2" x 150mm long	10	16	5160001	1.27
3/4" x 1/2" x 112mm long	10	16	5160002	1.25
3/4" x 3/4" x 150mm long	10	16	5160003	1.14
1" x 1" x 150mm long	10	16	5160004	3.82
1.1/4" x 1.1/4" x 112mm long	5	16	5160005	8.39
1.1/2" x 1.1/4" x 150mm long	5	16	5160006	8.82
1.1/2" x 1.1/2" x 150mm long	5	16	5160007	8.21

### 5020 - THREADED REDUCING BUSH



SIZE	BAG QTY	PN WATER	CODE	PRICE
3/4" x 1/2"	10	16	5020001	1.72
1" x 1/2"	10	16	5020002	1.96
1" x 3/4"	10	16	5020003	1.96
1.1/4" x 1/2"	10	16	5020004	2.38
1.1/4" x 3/4"	10	16	5020005	2.38
1.1/4" x 1"	10	16	5020006	2.38
1.1/2" x 1/2"	10	16	5020007	2.75
1.1/2" x 3/4"	10	16	5020008	2.75
1.1/2" x 1"	10	16	5020009	2.75
1.1/2" x 1.1/4"	10	10	5020010	2.75
2" x 1/2"	5	16	5020011	3.06
2" x 3/4"	5	16	5020012	3.06
2" x 1"	5	16	5020013	3.06
2" x 1.1/4"	5	10	5020014	3.06
2" x 1.1/2"	5	10	5020015	3.06
2.1/2" x 2"	5	10	5020016	9.09
3" x 1"	1	16	5020017	11.62
3" x 1.1/4"	1	10	5020018	11.62
3" x 1.1/2"	1	10	5020019	11.62
3" x 2"	1	10	5020020	11.62
3" x 2.1/2"	1	10	5020021	11.62
4" x 2"	1	10	5020022	11.62
4" x 3"	1	10	5020023	11.62

## 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"





# 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**<sup>®</sup>

## METRIC COMPRESSION FITTINGS

### 7010 - METRIC COUPLING



160 COUPLER

METRIC	BAG QTY	PN WATER	CODE	PRICE
16	10	16	7010001*	7.47
20	10	16	7010013	9.88
25	10	16	7010014	10.23
32	5	16	7010015	14.12
40	1	16	7010016	22.26
50	1	16	7010017	31.83
63	1	16	7010018	42.93
75	1	16	7010019	88.07
90	1	16	7010020	135.12
110	1	16	7010021	223.70
125	1	16	7010022	326.20
160	1	10	7010023	657.85

\*Note: Coupler Rural/Metric

### 7015 - METRIC MINE - COUPLING



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	16	7015001	42.93

### 7010 - METRIC COUPLING BODY



METRIC	BAG QTY	PN WATER	CODE	PRICE
16	1	16	7010007	4.57
20	1	16	7010008	6.75
25	1	16	7010009	6.75
32	1	16	7010010	9.14
40	1	16	7010011	10.94
50	1	16	7011012	11.88
63*	1	16	7010024	24.51

Suits metric & rural fittings  
\*Metric only

### 7940 - METRIC MODULAR ADAPTOR FOR CLOSE/TIGHT ASSEMBLIES



METRIC	BAG QTY	PN WATER	CODE	PRICE
20	10	16	7940001	8.82
25	10	16	7940002	11.26
32	5	16	7940003	15.67
40	1	16	7940004	24.52
50	1	16	7940005	35.10
63	1	16	7940006	47.28

### 1201 - METRIC PLASSCOM COUPLING



METRIC	BAG QTY	PN WATER	CODE	PRICE
20	10	-	1201001	8.29
25	10	-	1201002	8.64
32	10	-	1201003	12.10
40	5	-	1201004	18.76
50	5	-	1201005	26.93
63	2	-	1201006	36.27

## METRIC COMPRESSION FITTINGS

### 7610 - METRIC SLIP/REPAIR COUPLING



METRIC	BAG QTY	PN WATER	CODE	PRICE
20	10	16	7610001	12.75
25	10	16	7610002	13.13
32	5	16	7610003	18.39
40	1	16	7610004	28.63
50	1	16	7610005	40.93
63	1	16	7610006	55.27
75	1	16	7610007	113.39
90	1	16	7610008	173.91
110	1	16	7610009	288.51
125	1	16	7610010	462.21
160	1	10	7610011	665.73

### 7615 - METRIC MINE - REPAIR COUPLING



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	16	7615001	55.27

### 7110 - METRIC REDUCING COUPLING



METRIC X METRIC	BAG QTY	PN WATER	CODE	PRICE
20 x 16	10	16	7110011	10.62
25 x 16	10	16	7110012	10.94
25 x 20	10	16	7110013	10.94
32 x 20	5	16	7110014	15.25
32 x 25	5	16	7110015	15.25
40 x 25	1	16	7110016	23.88
40 x 32	1	16	7110017	23.88
50 x 25	1	16	7110018	34.22
50 x 32	1	16	7110019	34.22
50 x 40	1	16	7110020	34.22
63 x 25	1	16	7110021	46.01
63 x 32	1	16	7110022	46.01
63 x 40	1	16	7110023	46.01
63 x 50	1	16	7110024	46.01
75 x 50	1	16	7110025	97.51
75 x 63	1	16	7110026	97.51
90 x 63	1	16	7110027	144.82
90 x 75	1	16	7110028	144.82
110 x 63	1	16	7110029	372.78
110 x 90	1	16	7110030	240.31

### 7115 - METRIC MINE - REDUCING COUPLING



METRIC X METRIC	BAG QTY	PN WATER	CODE	PRICE
63 x 25	1	16	7115001	46.01
63 x 32	1	16	7115002	46.01
63 x 40	1	16	7115003	46.01
63 x 50	1	16	7115004	46.01
90 x 63	1	16	7115005	144.82
110 x 63	1	16	7110029	372.78

**7017 - METRIC UNIVERSAL ADAPTOR**


UNIVERSAL X METRIC	BAG QTY	PN WATER	CODE	PRICE
15-22 x 25PE	1	16	7017001	28.94
20-27 x 25PE	1	16	7017002	30.43
20-27 x 32PE	1	16	7017003	36.35
27-35 x 25PE	1	16	7017004	38.85
27-35 x 32PE	1	16	7017005	39.76
35-50* x 50PE	1	10	7017006	100.95

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	PRICE
16 x 1/2"	10	16	7020001	5.50
16 x 3/4"	10	16	7020002	5.50
20 x 1/2"	10	16	7020021	6.22
20 x 3/4"	10	16	7020022	6.22
20 x 1"	10	16	7020023	6.22
25 x 1/2"	10	16	7020024	6.53
25 x 3/4"	10	16	7020025	6.53
25 x 1"	10	16	7020026	6.53
32 x 3/4"	5	16	7020027	9.68
32 x 1"	5	16	7020028	9.68
32 x 1.1/4"	5	16	7020029	9.68
32 x 1.1/2"	5	16	7020030	9.68
40 x 1"	1	16	7020031	13.29
40 x 1.1/4"	1	16	7020032	13.29
40 x 1.1/2"	1	16	7020033	13.29
40 x 2"	1	16	7020034	13.29
50 x 1"	1	16	7020035	20.85
50 x 1.1/4"	1	16	7020036	20.85
50 x 1.1/2"	1	16	7020037	20.85
50 x 2"	1	16	7020038	20.85
63 x 1.1/4"	1	16	7020039	28.88
63 x 1.1/2"	1	16	7020040	28.88
63 x 2"	1	16	7020041	28.88
63 x 2.1/2"	1	16	7020042	28.88
75 x 2"	1	16	7020043	67.02
75 x 2.1/2"	1	16	7020044	67.02
75 x 3"	1	16	7020045	67.02
90 x 2"	1	16	7020046	98.08
90 x 2.1/2"	1	16	7020047	98.08
90 x 3"	1	16	7020048	98.08
90 x 4"	1	16	7020049	98.08
110 x 2"	1	16	7020050	163.71
110 x 3"	1	16	7020051	163.71
110 x 4"	1	16	7020052	163.71

**7025 - METRIC MINE - MALE ADAPTOR**


METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
63 x 1.1/4"	1	16	7025001	28.88
63 x 1.1/2"	1	16	7025002	28.88
63 x 2"	1	16	7025003	28.88
63 x 2.1/2"	1	16	7025004	28.88



# FIX NEW MANY LEAKS

with the **Plasson Universal Slip Repair Coupler**

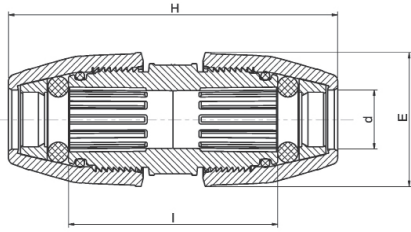


- ✓ Join and repair a wide range of plastic and metal pipes
- ✓ Connect different pipe materials
- ✓ Repair large holes and gaps - long insertion depth and body
- ✓ Repair in the ground with ease - no need to move pipe during tightening
- ✓ Easy slip repairs - zero insertion force
- ✓ Improve sealing 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
- ✓ Conforms to Australian Standard AS/NZ4129

## 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	PRICE
14-18	1	16	7610018	55.43
19-22	1	16	7610017	64.27
24-28	1	16	7610012	78.19
31-35	1	16	7610013	95.47
40-43	1	16	7610014	117.29
48-51	1	16	7610015	140.47
60-64	1	16	7610016	187.30

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

### 7720 - METRIC MALE ADAPTOR WITH MALE BRASS THREAD



METRIC	X	BSP	BAG QTY	PN WATER	CODE	PRICE
32	x	1"	1	16	7720001	42.98
32	x	1.1/4"	1	16	7720002	42.98
32	x	1.1/2"	1	16	7720003	42.98
40	x	1"	1	16	7720004	66.87
40	x	1.1/4"	1	16	7720005	65.68
40	x	1.1/2"	1	16	7720006	64.29
50	x	1"	1	16	7720007	85.69
50	x	1.1/4"	1	16	7720008	85.69
50	x	1.1/2"	1	16	7720009	85.69
63	x	1.1/4"	1	16	7720010	111.52
63	x	1.1/2"	1	16	7720011	111.52
63	x	2"	1	16	7720012	111.52

### 7250 - METRIC BARREL UNION ADAPTOR WITH MALE THREAD



METRIC	X	BSP	BAG QTY	PN WATER	CODE	PRICE
25	x	1/2"	1	16	7250001	7.31
25	x	3/4"	1	16	7250002	7.31
32	x	1/2"	1	16	7250003	9.20
32	x	3/4"	1	16	7250004	9.20
32	x	1"	1	16	7250005	9.20
40	x	1"	1	16	7250006	11.76
40	x	1.1/4"	1	16	7250007	11.76
40	x	1.1/2"	1	16	7250008	11.76
50	x	1"	1	16	7250009	16.25
50	x	1.1/4"	1	16	7250010	16.25
50	x	1.1/2"	1	16	7250011	16.25
50	x	2"	1	16	7250012	16.25
63	x	1"	1	16	7250025	24.96
63	x	1.1/4"	1	16	7250026	24.96
63	x	1.1/2"	1	16	7250027	24.96
63	x	2"	1	16	7250028	24.96
63	x	2.1/2"	1	16	7250029	24.96
75	x	1.1/2"	1	12.5	7250030	48.46
75	x	2"	1	12.5	7250031	48.46
75	x	2.1/2"	1	12.5	7250032	48.46
75	x	3"	1	12.5	7250033	48.46

## METRIC COMPRESSION FITTINGS

### 7030 - METRIC FEMALE ADAPTOR



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
16 x 1/2"	10	16	7030001	7.22
16 x 3/4"	10	16	7030002	7.22
20 x 1/2"	10	16	7030017	7.47
20 x 3/4"	10	16	7030018	7.47
20 x 1"	10	16	7030019	7.47
25 x 3/4"	10	16	7030020	8.68
25 x 1"	10	16	7030021	8.68
32 x 3/4"	5	16	7030022	10.36
32 x 1"	5	16	7030023	10.36
32* x 1.1/4"	5	16	7030024	14.90
40* x 1"	1	16	7030025	14.90
40* x 1.1/4"	1	16	7030026	14.90
40* x 1.1/2"	1	16	7030027	14.90
50* x 1.1/4"	1	16	7030028	20.16
50* x 1.1/2"	1	16	7030029	20.16
50* x 2"	1	16	7030030	20.16
63* x 1.1/4"	1	16	7030031	36.98
63* x 1.1/2"	1	16	7030032	36.98
63* x 2"	1	16	7030033	36.98
75* x 2"	1	16	7030034	66.74
75* x 2.1/2"	1	16	7030035	66.74
90* x 2"	1	16	7030036	99.16
90* x 3"	1	6.3	7030037	99.16
90* x 4"	1	6.3	7030038	99.16
110* x 3"	1	6.3	7030039	185.26
110* x 4"	1	6.3	7030040	185.26

\*With stainless steel reinforcing ring

### 7035 - METRIC MINE - FEMALE ADAPTOR



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
63* x 1.1/4"	1	16	7035001	36.98
63* x 1.1/2"	1	16	7035002	36.98
63* x 2"	1	16	7035003	36.98

\*With stainless steel reinforcing ring

### 7037 - METRIC FEMALE ADAPTOR WITH PARALLEL THREAD



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
25* x 3/4"	1	16	7037001	11.58
25* x 1"	1	16	7037002	11.58
32* x 1"	1	16	7037003	14.63

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

\*With stainless steel reinforcing ring

## METRIC COMPRESSION FITTINGS

### 7050 - 90° METRIC ELBOW



160 elbow

METRIC	BAG QTY	PN WATER	CODE	PRICE
16	10	16	7050001	10.27
20	10	16	7050007	13.68
25	10	16	7050008	13.84
32	5	16	7050009	18.94
40	1	16	7050010	30.90
50	1	16	7050011	40.27
63	1	16	7050012	54.60
75	1	16	7050013	90.97
90	1	16	7050014	142.64
110	1	16	7050015	224.04
160	1	10	7050016	855.23

### 7055 - 90° METRIC MINE - ELBOW



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	16	7055001	54.60

### 7510 - 90° METRIC REDUCING ELBOW



METRIC X METRIC	BAG QTY	PN WATER	CODE	PRICE
25 x 20	10	16	7510001	14.39

### 7057 - METRIC UNIVERSAL ELBOW



UNIVERSAL X METRIC	BAG QTY	PN WATER	CODE	PRICE
15-22 x 25PE	1	16	7057001	33.24
20-27 x 25PE	1	16	7057002	35.00
27-35 x 25PE	1	16	7057003	44.62

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	PRICE
40 x 40 (spigot)	1	16	7350001	25.00
50 x 40 (spigot)	1	16	7350002	30.96
63 x 40 (spigot)	1	16	7350003	46.02
40 x 50 (spigot)	1	16	7350004	25.00
50 x 50 (spigot)	1	16	7350005	30.96
63 x 50 (spigot)	1	16	7350006	46.02

**METRIC COMPRESSION FITTINGS**

**7850 - 90° METRIC MALE ELBOW**



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
20 x 1/2"	10	16	7850016	9.56
20 x 3/4"	10	16	7850017	9.56
25 x 1/2"	10	16	7850018	12.86
25 x 3/4"	10	16	7850019	12.86
25 x 1"	10	16	7850020	12.86
32 x 3/4"	5	16	7850021	18.97
32 x 1"	5	16	7850022	18.26
32 x 1.1/4"	5	16	7850023	18.26
40 x 1"	1	16	7850024	31.55
40 x 1.1/4"	1	16	7850025	31.55
40 x 1.1/2"	1	16	7850026	31.55
50 x 1"	1	16	7850027	35.25
50 x 1.1/4"	1	16	7850028	35.25
50 x 1.1/2"	1	16	7850029	35.25
50 x 2"	1	16	7850030	35.25
63 x 1.1/4"	1	16	7850031	48.66
63 x 1.1/2"	1	16	7850032	48.66
63 x 2"	1	16	7850033	48.66
75 x 2.1/2"	1	16	7850034	60.18
75 x 3"	1	16	7850035	60.18
90 x 3"	1	16	7850036	82.12
110 x 4"	1	16	7850037	171.50

**7855 - 90° METRIC MINE - MALE ELBOW**



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
63 x 1.1/4"	1	16	7855001	48.66
63 x 1.1/2"	1	16	7855002	48.66
63 x 2"	1	16	7855003	48.66

## METRIC COMPRESSION FITTINGS

### 7150 - 90° METRIC FEMALE ELBOW



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
16 x 1/2"	10	16	7150001	8.29
20 x 1/2"	10	16	7150018	9.40
20 x 3/4"	10	16	7150019	9.40
25 x 1/2"	10	16	7150020	9.73
25 x 3/4"	10	16	7150021	10.29
25 x 1"	10	16	7150022	10.29
32 x 3/4"	5	16	7150023	15.68
32 x 1"	5	16	7150024	15.68
32* x 1.1/4"	5	16	7150025	15.68
40 x 1"	1	16	7150026	24.96
40* x 1.1/4"	1	16	7150027	24.96
40* x 1.1/2"	1	16	7150028	24.96
40* x 2"	1	16	7150029	24.96
50 x 1"	1	16	7150030	35.44
50* x 1.1/4"	1	16	7150031	35.44
50* x 1.1/2"	1	16	7150032	35.44
50* x 2"	1	16	7150033	35.44
63* x 1.1/4"	1	16	7150034	42.31
63* x 1.1/2"	1	16	7150035	42.31
63* x 2"	1	16	7150036	42.31
75* x 2"	1	16	7150037	74.94
75* x 2.1/2"	1	16	7150038	74.94
75* x 3"	1	6.3	7150039	74.94

\*With stainless steel reinforcing ring

### 7155 - 90° METRIC MINE - FEMALE ELBOW



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
63 x 1.1/4"	1	16	7155001	42.31
63 x 1.1/2"	1	16	7155002	42.31
63 x 2"	1	16	7155003	42.31

### 7750 - METRIC WALLPLATE ELBOW



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
16 x 1/2"	1	16	7750001	15.94
20 x 1/2"	1	16	7750002	15.94
25 x 3/4"	1	16	7750003	19.13

### 7060 - 45° METRIC ELBOW



METRIC	BAG QTY	PN WATER	CODE	PRICE
32	5	16	7060001	22.43
40	1	16	7060002	36.68
50	1	16	7060003	47.50
63	1	16	7060004	64.30
75	1	16	7060005	107.46
90	1	16	7060006	159.33
110	1	16	7060007	264.27

## METRIC COMPRESSION FITTINGS

### 7065 - 45° METRIC MINE - ELBOW



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	16	7065001	64.30

### 7450 - 45° METRIC MALE ELBOW



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
20 x 1/2"	10	16	7450001	9.14
20 x 3/4"	10	16	7450002	9.14

### 7040 - 90° METRIC TEE



160 Tee

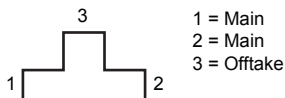
METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
16	16	16	10	16	7040001	13.65
20	20	20	10	16	7040007	18.57
25	25	25	5	16	7040008	18.57
32	32	32	5	16	7040009	30.42
40	40	40	1	16	7040010	43.41
50	50	50	1	16	7040011	63.08
63	63	63	1	16	7040012	79.73
75	75	75	1	16	7040013	144.78
90	90	90	1	16	7040014	212.09
110	110	110	1	16	7040015	386.50
160	160	160	1	10	7040016	1200.64

### 7045 - METRIC MINE - TEE



METRIC 1	METRIC 2	METRIC 2	BAG QTY	PN WATER	CODE	PRICE
63	63	63	1	16	7045001	79.73

### 7340 - 90° METRIC REDUCING TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
20	20	16	10	16	7340009	19.18
25	25	20	5	16	7340010	21.54
32	32	25	5	16	7340011	27.17
40	40	25	1	16	7340012	45.02
40	40	32	1	16	7340013	45.02
50	50	25	1	16	7340014	63.16
50	50	32	1	16	7340015	63.16
50	50	40	1	16	7340016	63.16
63	63	32	1	16	7340017	92.83
63	63	40	1	16	7340018	92.83
63	63	50	1	16	7340019	92.83
75	75	63	1	16	7340020	159.86
110	110	63	1	16	7340021	535.54



## METRIC COMPRESSION FITTINGS

### 7345 - METRIC MINE - REDUCING TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
63	63	32	1	16	7345001	92.83
63	63	40	1	16	7345002	92.83
63	63	50	1	16	7345003	92.83
110	110	63	1	16	7340021	535.54

### 7740 - 90° METRIC INCREASING TEE



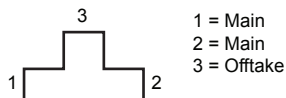
METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
25	25	32	5	16	7740001	29.44

### 7046 - 90° METRIC SLIP/REPAIR TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
20	20	20	10	16	7046001	30.29
25	25	25	5	16	7046002	30.35
32	32	32	5	16	7046003	42.29
40	40	40	1	12.5	7046004	55.06
50	50	50	1	12.5	7046005	75.22
63	63	63	1	12.5	7046006	91.74

### 7810 - 90° METRIC COUPLING - WITH RISER



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
40	40	3/4"	1	16	7810001	50.02
50	50	3/4"	1	16	7810002	69.08
50	50	1"	1	16	7810003	69.08
63	63	3/4"	1	16	7810004	101.50
63	63	1"	1	16	7810005	101.50
75	75	3/4"	1	16	7810006	195.86
75	75	1"	1	16	7810007	195.86

## METRIC COMPRESSION FITTINGS

### 7840 - 90° METRIC TEE - WITH THREADED MALE OFFTAKE



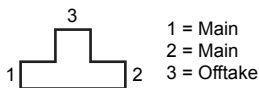
METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
20	20	1/2"	10	16	7840010	15.64
20	20	3/4"	10	16	7840011	15.64
25	25	1/2"	5	16	7840012	15.25
25	25	3/4"	5	16	7840013	15.25
32	32	1"	5	16	7840014	25.08
40	40	1.1/4"	1	16	7840015	32.76
40	40	1.1/2"	1	16	7840016	32.76
50	50	1.1/4"	1	16	7840017	54.24
50	50	1.1/2"	1	16	7840018	54.24
50	50	2"	1	16	7840019	56.94
63	63	1.1/4"	1	16	7840020	68.85
63	63	1.1/2"	1	16	7840021	68.85
63	63	2"	1	16	7840022	68.85

### 7845 - 90° METRIC MINE - TEE MALE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
63	63	1.1/4"	1	16	7845001	68.85
63	63	1.1/2"	1	16	7845002	68.85
63	63	2"	1	16	7845003	68.85

### 7140 - 90° METRIC TEE - WITH THREADED FEMALE OFFTAKE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
16	16	1/2"	10	16	7140001	12.47
16	16	3/4"	10	16	7140002	12.47
20	20	1/2"	10	16	7140021	14.89
20	20	3/4"	10	16	7140022	14.89
25	25	1/2"	5	16	7140023	14.89
25	25	3/4"	5	16	7140024	14.89
25	25	1"	5	16	7140025	14.89
25*	25	1.1/4"	5	16	7140026	20.67
32	32	3/4"	5	16	7140027	24.72
32	32	1"	5	16	7140028	24.72
32*	32	1.1/4"	5	16	7140029	24.72
32*	32	1.1/2"	5	16	7140030	24.72
40	40	1"	1	16	7140031	36.17
40*	40	1.1/4"	1	16	7140032	36.17
40*	40	1.1/2"	1	16	7140033	36.17
40*	40	2"	1	16	7140034	36.17
50*	50	1.1/2"	1	16	7140035	52.98
50*	50	2"	1	16	7140036	52.98
63*	63	1.1/4"	1	16	7140037	64.64
63*	63	1.1/2"	1	16	7140038	64.64
63*	63	2"	1	16	7140039	64.64
75*	75	2"	1	16	7140040	118.11
75*	75	2.1/2"	1	16	7140041	118.11
75*	75	3"	1	6.3	7140042	118.11
90*	90	3"	1	6.3	7140043	218.33
110*	110	4"	1	6.3	7140044	260.86

\*With stainless steel reinforcing ring

## METRIC COMPRESSION FITTINGS

### 7145 - 90° METRIC MINE - TEE FEMALE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
63	63	1.1/4"	1	16	7145001	64.64
63	63	1.1/2"	1	16	7145002	64.64
63	63	2"	1	16	7145003	64.64

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



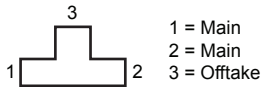
METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
40	40	1"	1	12.5	7146001	48.13
50*	50	1.1/2"	1	12.5	7146002	69.69
63*	63	1.1/4"	1	12.5	7146003	82.76

\*With stainless steel reinforcing ring

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



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
20	16	3/4"	10	16	7146004	15.64
25	20	3/4"	5	16	7146005	15.64
32	25	1"	5	16	7146006	25.96



### 7640 - 45° METRIC TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
63	63	63	1	8	7640001	83.63
75	75	75	1	8	7640002	115.76
90	90	90	1	8	7640003	237.32
110	110	110	1	8	7640004	398.19

### 7550 - METRIC MALE Y FITTING



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
16	16	3/4"	1	16	7550001	9.63
20	20	3/4"	1	16	7550002	12.39
25	25	3/4"	1	16	7550003	19.75

**METRIC COMPRESSION FITTINGS**

**7540 - METRIC CROSS - WITH THREADED FEMALE OFFTAKE**



METRIC	BAG QTY	PN WATER	CODE	PRICE
20 x 3/4"	1	16	7540001	23.88

**7120 - METRIC END PLUG**



METRIC	BAG QTY	PN WATER	CODE	PRICE
20	10	16	7120010	6.32
25	10	16	7120011	6.84
32	5	16	7120012	6.98
40	1	16	7120013	14.23
50	1	16	7120014	19.29
63	1	16	7120015	32.85
75	1	16	7120016	70.20
90	1	16	7120017	98.08
110	1	16	7120018	169.77

**7125 - METRIC MINE - END PLUG**



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	16	7125001	32.85

**7120 - METRIC BLANKING PLUG - OUTLET SEAL**



METRIC	BAG QTY	PN WATER	CODE	PRICE
20	10	12.5	7120005	1.31
25	10	12.5	7120006	1.96
32	10	12.5	7120007	2.59
40	10	12.5	7120008	3.20
50	10	12.5	7120009	4.23
63	10	12.5	7120024	5.55

## METRIC COMPRESSION FITTINGS

### 7220 - METRIC FLANGED COUPLING WITH METAL BACKING FLANGE



METRIC X ISO FLANGE*			BAG QTY	PN WATER	CODE	PRICE
50	x	1.1/2" ISO	1	16	7220001	86.56
50	x	2" ISO	1	16	7220002	86.56
63	x	2" ISO	1	16	7220003	100.49
63*	x	2" ISO	1	16	7225001	100.49
75	x	2.1/2" ISO	1	16	7220004	125.81
90	x	4" ISO	1	16	7220005	156.57
110	x	4" ISO	1	16	7220006	201.34
125	x	5" ISO	1	12.5	7220007	466.30
125	x	6" ISO	1	12.5	7220008	466.30
160	x	5" ISO	1	10	7220009	612.20
160	x	6" ISO	1	10	7220010	626.30

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	PRICE
63	x	2" ISO	1	16	7225001	100.49

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	PRICE
50	x	1.1/2" ISO	1	16	7230001	73.55
50	x	2" ISO	1	16	7230002	73.55
63	x	2" ISO	1	16	7230003	87.20
63	x	2.1/2" ISO	1	16	7230004	87.20
75	x	2" ISO	1	16	7230005	104.66
75	x	2.1/2" ISO	1	16	7230006	104.66
90	x	2.1/2" ISO	1	16	7230007	134.79
90	x	4" ISO	1	16	7230008	134.79
110	x	4" ISO	1	16	7230009	168.47
110	x	5" ISO	1	16	7230010	168.47
160	x	5" ISO	1	16	7230011	259.15
160	x	6" ISO	1	16	7230012	269.50

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	PRICE
63	x	4" ISO	1	16	7226001	350.42

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	PRICE
50	x	1.1/2" ISO	1	-	7006001	48.66
50	x	2" ISO	1	-	7006002	49.31
63	x	2" ISO	1	-	7006003	49.31
63	x	2.1/2" ISO	1	-	7006004	55.35
75	x	2.1/2" ISO	1	-	7006005	66.15
90	x	4" ISO	1	-	7006006	66.15
110	x	4" ISO	1	-	7006007	66.15
110	x	5" ISO	1	-	7006008	144.43
125	x	5" ISO	1	-	7006009	161.51
125	x	6" ISO	1	-	7006010	173.77

### 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 172-184 for details.

ISO SIZE	ISO				SIMILAR FLANGE		
	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	PRICE
25	x	20	1	16	7930001	5.20
32	x	20	1	16	7930002	8.99
32	x	25	1	16	7930003	6.31
40	x	20	1	16	7930004	10.62
40	x	25	1	16	7930005	10.35
40	x	32	1	16	7930006	8.99
50	x	25	1	16	7930007	14.76
50	x	32	1	16	7930008	13.75
50	x	40	1	16	7930009	12.97
63	x	25	1	16	7930010	17.64
63	x	32	1	16	7930011	15.88
63	x	40	1	16	7930012	15.08
63	x	50	1	16	7930013	15.08
110	x	63	1	16	7930014	149.07

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

### 7930 - METRIC MINE - REDUCING SET

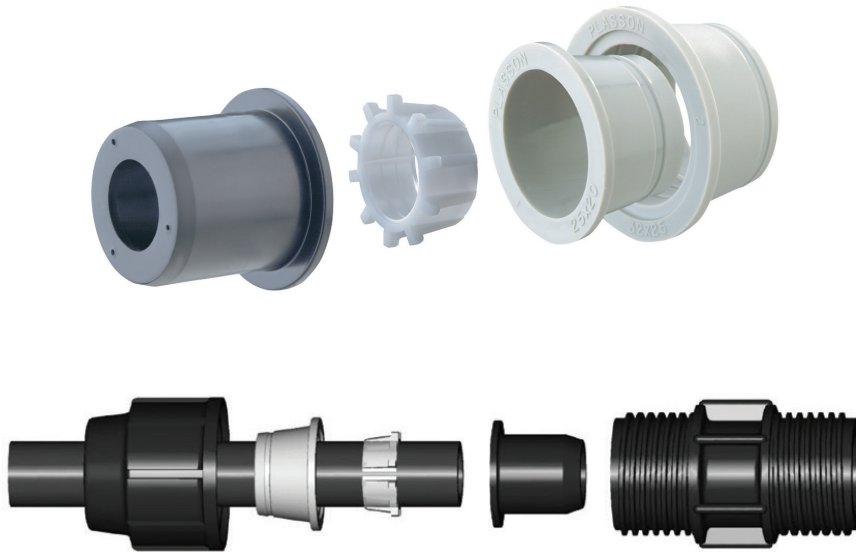


METRIC X METRIC			BAG QTY	PN WATER	CODE	PRICE
63	x	25	1	16	7930010	17.64
63	x	32	1	16	7930011	15.88
63	x	40	1	16	7930012	15.08
63	x	50	1	16	7930013	15.08
110	x	63	1	16	7930014	149.07

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

# 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	PRICE
50 x 2"	1	16	7320001	30.82
63 x 2"	1	16	7325001	39.73
90 x 4"	1	16	7320002	98.69
110 x 4"	1	16	7320003	155.54
160 x 6"	1	10	7320004	402.96

### 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	PRICE
16 x 15	1	16	7113001	18.61
16 x 20	1	16	7113002	18.61
20 x 15	1	16	7113003	15.51
20 x 20	1	16	7113004	15.51
25 x 15	1	16	7113005	16.69
25 x 20	1	16	7113006	17.22
25 x 25	1	16	7113007	22.48
32 x 20	1	16	7113008	22.78
32 x 25	1	16	7113009	25.42

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

### 7043 - METRIC POLY TO COPPER TEE

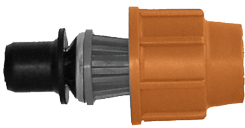


METRIC X CU	BAG QTY	PN WATER	CODE	PRICE
20 x 15	1	16	7043001	23.30
25 x 15	1	16	7043002	26.42
25 x 20	1	16	7043003	28.45
25 x 25	1	16	7043004	28.59
32 x 25	1	16	7043005	33.97



**METRIC COMPRESSION FITTINGS**
**7056 - METRIC POLY TO COPPER ELBOW**


METRIC X CU			BAG QTY	PN WATER	CODE	PRICE
20	x	15	1	16	7056001	19.63
20	x	20	1	16	7056002	19.63
25	x	15	1	16	7056003	20.88
25	x	20	1	16	7056004	21.33
25	x	25	1	16	7056005	22.70

**7439 - METRIC POLY TO COPPER KIT**


METRIC X CU			BAG QTY	PN WATER	CODE	PRICE
20	x	15	1	16	7439001	6.37
25	x	20	1	16	7439002	7.84
25	x	25	1	16	7439003	11.75

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	PRICE
20	x	15	1	12.5	3408001	33.46
25	x	20	1	12.5	3408002	35.32

**7438 - METRIC STAINLESS STEEL RING FOR POLY TO COPPER CONNECTOR**


CU	BAG QTY	PN WATER	CODE	PRICE
15 (1/2")	1	-	7438001	4.28
20 (3/4")	1	-	7438002	4.83
25 (1")	1	-	7438003	5.05

**7970 - METRIC STAINLESS STEEL RING FOR POLYPROPYLENE PIPE**


METRIC	BAG QTY	PN WATER	CODE	PRICE
20	1	-	7970001	2.81
25	1	-	7970002	3.13
32	1	-	7970003	3.38
40	1	-	7970004	4.68
50	1	-	7970005	8.20
63	1	-	7970006	10.99

**7112 - METRIC POLY TO POLYBUTYLENE CONNECTOR**


PE X PB	BAG QTY	PN WATER	CODE	PRICE
25 x 18	10	-	7112001	11.88
25 x 22	10	-	7112002	15.50

## METRIC COMPRESSION FITTINGS

### 7435 - METRIC POLY TO POLYBUTYLENE KIT



PE x PB	BAG QTY	PN WATER	CODE	PRICE
25 x 22	10	-	7435001	5.39

### 7016 - METRIC POLY TO PVC CONNECTOR



METRIC X PVC	BAG QTY	PN WATER	CODE	PRICE
63PE x 50 (2") PVC	1	16	7016001	105.44
110PE x 100 (4") PVC	1	16	7016002	354.04

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



SIZE	BAG QTY		CODE	PRICE
1" / 25	1	Fits 40mm Plasson Fitt	7890001	98.56
1.1/4" / 32	1	Fits 50mm Plasson Fitt	7890002	124.92
1.1/2" / 40	1	Fits 50mm Plasson Fitt	7890003	141.90
2" / 50	1	Fits 63mm Plasson Fitt	7890004	239.15

PE to Steel/PVC Adaptor - (Thrusted: for pipe which is not secure - includes SS Split Ring & Cone to grip onto pipe).  
Go to page 196 for complete assembly instructions.

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



SIZE	BAG QTY		CODE	PRICE
25 / 1"	1	Fits 40mm Plasson Fitt	7890005	23.62
32 / 1.1/4"	1	Fits 50mm Plasson Fitt	7890006	26.27
40 / 1.1/2"	1	Fits 50mm Plasson Fitt	7890007	29.25
50 / 2"	1	Fits 63mm Plasson Fitt	7890008	33.24

PE to Steel/PVC Adaptor - (Unthrusted: for pipe which is secured - does not require thrusting)  
Go to page 196 for complete assembly instructions.

### 7004 - METRIC BLACK METRIC NUT - PP



METRIC	BAG QTY	PN WATER	CODE	PRICE
16	1	-	7004001	0.70
20	1	-	7004002	1.01
25	1	-	7004003	1.14
32	1	-	7004004	1.55
40	1	-	7004005	2.70
50	1	-	7004006	3.39
63	1	-	7004007	7.81
75	1	-	7004008	21.38
90	1	-	7004009	36.06
110	1	-	7004010	58.36
125	1	-	7004011	74.05

### 7004 - METRIC LILAC METRIC NUT - PP



METRIC	BAG QTY	PN WATER	CODE	PRICE
20	1	-	7004012	1.14
25	1	-	7004013	1.32
32	1	-	7004014	1.94
40	1	-	7004015	3.13
50	1	-	7004016	4.04
63	1	-	7004017	8.92

## METRIC COMPRESSION FITTINGS

### 7002 - METRIC O-RING



METRIC	BAG QTY	CODE	PRICE	CODE	PRICE	CODE	PRICE
		NITRILE NBR		EPDM+*		VITON FPM+**	
16	100	7002001	0.20	7002013	1.22	3050003	8.69
20	100	7002002	0.31	7002014	1.39	7002023	8.69
25	100	7002003	0.36	7002015	1.64	7002024	9.07
32	100	7002004	0.95	7002016	2.96	7002025	12.88
40!	20	7002032	1.52	7002035	5.16	7002038	24.66
50!	20	7002033	1.77	7002036	5.97	7002039	26.06
63!	20	7002034	2.68	7002037	9.24	7002040	30.20
75	10	7002008	3.49	7002020	10.41	7002029	39.37
90	10	7002009	4.68	7002021	14.26	7002030	47.84
110	10	7002010	6.02	7002022	18.04	7002031	58.90
125	10	7002011	9.87	-	-	-	-
160	10	7002012	10.94	-	-	-	-

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

\*Blue Mark - a better chemical resistance than NBR.

\*\*White mark - a 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	PRICE	CODE	PRICE	CODE	PRICE
		NITRILE NBR		EPDM+*		VITON FPM+**	
40	20	7002005	1.55	7002017	4.51	7002026	24.66
50	20	7002006	1.81	7002018	5.36	7002027	34.78
63 (1)	20	7002007	2.73	7002019	8.13	7002028	30.20

\*Blue Mark - a better chemical resistance than NBR.

(1) Note 63 mine fittings use this ring.

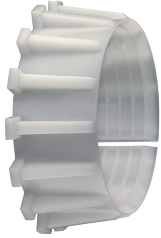
\*\*White mark - a better chemical resistance than EPDM.

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

For fittings supplied after January 2003, check seal shape.

## METRIC COMPRESSION FITTINGS

### 7003 - METRIC SPLIT RING



METRIC	BAG QTY	7003* ACETAL (POM)	PRICE	7008** C-PVC	PRICE
16	1	7003004	0.40	7003015	0.93
20	1	7003005	0.43	7003016	1.14
25	1	7003006	0.56	7003017	1.55
32	1	7003007	1.09	7003018	2.63
40	1	7003008	1.43	7003019	3.32
50	1	7003009	2.54	7003020	5.74
63	1	7003010	3.61	7003021	8.24
75	1	7003011	7.91	7003022	17.83
90	1	7003012	9.46	7003023	21.38
110	1	7003013	16.63	7003024	37.44
125	1	7003014	27.68		

\*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	PRICE
75	1	-	7005006	3.80
90	1	-	7005007	4.61
110	1	-	7005008	5.74
125 (lower)	1	-	7005009	17.51
125 (upper)	1	-	7005010	15.07

### 1400 - METRIC POLYPROPYLENE INSERTS FOR METRIC FITTINGS



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	-	1400001	1.37

### 7980 - METRIC CONVERSION KIT - METRIC TO RURAL



METRIC X RURAL	BAG QTY	PN WATER	CODE	PRICE
20 x 3/4"	1	6	7980006	2.70
25 x 1"	1	6	7980007	3.34
32 x 1.1/4"	1	6	7980008	5.05
40 x 1.1/2"	1	6	7980009	8.25
50 x 2"	1	6	7980010	11.17

### 7980 - METRIC CONVERSION KIT - RURAL TO METRIC



RURAL X METRIC	BAG QTY	PN WATER	CODE	PRICE
3/4" x 20	1	6	7980001	1.55
1" x 25	1	6	7980002	1.74
1.1/4" x 32	1	6	7980003	2.70
1.1/2" x 40	1	6	7980004	4.33
2" x 50	1	6	7980005	6.17

## METRIC COMPRESSION FITTINGS

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



METRIC X RURAL	BAG QTY	PN WATER	CODE	PRICE
32 x 1"	1	9	7990001	5.39
40 x 1.1/4"	1	9	7990002	8.99
50 x 1.1/2"	1	9	7990003	11.76

### 7990 - CONVERSION KIT - METRIC TO IMPERIAL "D"



METRIC X RURAL	BAG QTY	PN WATER	CODE	PRICE
25 x 3/4"	1	12	7990004	3.69
32 x 1"	1	12	7990005	5.53

### 7990 - METRIC WRENCH



METRIC X LENGTH	BAG QTY	PN WATER	CODE	PRICE
16 x 40	5	-	7990006	17.44
40 x 75	1	-	7990007	108.37
63 x 125	1	-	7990008	142.93

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.

### 7960 - METRIC CHAMFER TOOL - FOR PE PIPES



SIZE	BAG QTY	PN WATER	CODE	PRICE
20 - 63	1	-	7960001	198.86
Blade for Chamfer Tool	1	-	7960002	86.91

For overall pipe diameters from 20-63mm.

Operates like a pencil sharpener. Chamfering and lubricating pipes from 40-63mm, eases jointing pressures.

### 2004 - PIPE CUTTING



SECATEUR PIPE CUTTER	CODE	PRICE
Pipe Cutter up to 63mm (Single Hand)	2004001	202.84

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	PRICE
63	1	16	7015001	42.93

7615 - METRIC MINE - REPAIR COUPLING



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	16	7615001	55.27

7115 - METRIC MINE - REDUCING COUPLING



METRIC	BAG QTY	PN WATER	CODE	PRICE
63 x 25	1	16	7115001	46.01
63 x 32	1	16	7115002	46.01
63 x 40	1	16	7115003	46.01
63 x 50	1	16	7115004	46.01
90 x 63	1	16	7115005	144.82
110 x 63	1	16	7110029	361.92

7025 - METRIC MINE - MALE ADAPTOR



METRIC X METRIC	BAG QTY	PN WATER	CODE	PRICE
63 x 1.1/4"	1	16	7025001	28.88
63 x 1.1/2"	1	16	7025002	28.88
63 x 2"	1	16	7025003	28.88
63 x 2.1/2"	1	16	7025004	28.88

7035 - METRIC MINE - FEMALE ADAPTOR



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
63 x 1.1/4"	1	16	7035001	36.98
63 x 1.1/2"	1	16	7035002	36.98
63 x 2"	1	16	7035003	36.98

7325 - METRIC MINE - SHOULDERED ADAPTOR



METRIC X SHOULDERED	BAG QTY	PN WATER	CODE	PRICE
63 x 2"	1	16	7325001	39.73

**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	PRICE
63	1	16	7055001	54.60

### 7855 - 90° METRIC MINE - ELBOW MALE



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
63 x 1.1/4"	1	16	7855001	48.66
63 x 1.1/2"	1	16	7855002	48.66
63 x 2"	1	16	7855003	48.66

### 7155 - 90° METRIC MINE - ELBOW FEMALE



METRIC X BSP	BAG QTY	PN WATER	CODE	PRICE
63 x 1.1/4"	1	16	7155001	42.31
63 x 1.1/2"	1	16	7155002	42.31
63 x 2"	1	16	7155003	42.31

### 7065 - 45° METRIC MINE - ELBOW



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	16	7065001	64.30

### 7045 - METRIC MINE - TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
63	63	63	1	16	7045001	79.73

### 7046 - METRIC MINE - SLIP/REPAIR TEE

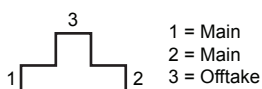


METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
63	63	63	1	16	7046007	91.74

### 7345 - METRIC MINE - REDUCING TEE



METRIC 1	METRIC 2	METRIC 3	BAG QTY	PN WATER	CODE	PRICE
63	63	32	1	16	7345001	92.83
63	63	40	1	16	7345002	92.83
63	63	50	1	16	7345003	92.83
110	110	63	1	16	7340021	535.54



## MINE FITTINGS (ALSO FOR GENERAL USE)

### 7845 - 90° METRIC MINE - TEE MALE

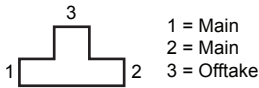


METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
63	63	1.1/4"	1	16	7845001	68.85
63	63	1.1/2"	1	16	7845002	68.85
63	63	2"	1	16	7845003	68.85

### 7145 - 90° METRIC MINE - TEE FEMALE



METRIC 1	METRIC 2	BSP 3	BAG QTY	PN WATER	CODE	PRICE
63	63	1.1/4"	1	16	7145001	64.64
63	63	1.1/2"	1	16	7145002	64.64
63	63	2"	1	16	7145003	64.64



### 7125 - METRIC MINE - END PLUG



METRIC	BAG QTY	PN WATER	CODE	PRICE
63	1	16	7125001	32.85

### 7225 - METRIC MINE - FLANGED COUPLING



METRIC	BAG QTY	PN WATER	CODE	PRICE
63 x 2" ISO	1	16	7225001	100.49

### 7930 - METRIC MINE - REDUCING SET



METRIC X METRIC	BAG QTY	PN WATER	CODE	PRICE
63 x 25	1	16	7930010	17.64
63 x 32	1	16	7930011	15.88
63 x 40	1	16	7930012	15.08
63 x 50	1	16	7930013	15.08
110 x 63	1	16	7930014	149.07

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	PRICE
63	1	-	1400001	1.37
75	1	-	7005006	3.80
90	1	-	7005007	4.61
110	1	-	7005008	5.74
125 (lower)	1	-	7005009	17.51
125 (upper)	1	-	7005010	15.07





 **PLASSON**<sup>®</sup>

# 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

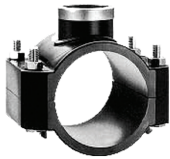
PIPE SIZE (mm)	POLYETHYLENE METRIC PIPE BSP OUTLET SIZE						POLYETHYLENE RURAL PIPE	PVC PRESSURE AS1477 PIPE
	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"		
20-50	12.5	12.5	12.5	12.5			All PN10	All PN9 except 40-50mm =PN6.3
63	16	16	12.5	12.5	12.5			
75-180	12.5	12.5	10	10	10	10		

#### 1602 - RURAL TAPPING SADDLE



SIZE	GALVANISED BOLTS		STAINLESS STEEL BOLTS		
	CODE	PRICE	CODE	PRICE	
50 (2") x 3/4"	Rural Only	1602001	16.18	1602003	21.45
50 (2") x 1"	Rural Only	1602002	16.18	1602004	21.45

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



METRIC (RURAL) X BSP	No. OF BOLTS	GALVANISED BOLTS		STAINLESS STEEL BOLTS		
		CODE	PRICE	CODE	PRICE	
20 (3/4") x 1/2"	Metric & Rural (Long Bolts)	2	1607001	7.80	1607109	10.94
25 (1") x 1/2"	Metric & Rural (Long Bolts)	2	1607002	8.92	1607110	11.94
25 (1") x 3/4"	Metric & Rural (Long Bolts)	2	1607003	8.92	1607111	11.94
32 (1.1/4") x 1/2"	Metric & Rural (Long Bolts)	2	1607004	10.59	1607112	18.39
32 (1.1/4") x 3/4"	Metric & Rural (Long Bolts)	2	1607005	10.59	1607113	18.39
32 (1.1/4") x 1"	Metric & Rural (Long Bolts)	2	1607006	10.59	1607114	18.39
40 (1.1/2") x 1/2"	Metric & Rural (Long Bolts)	2	1607007	12.02	1607115	19.77
40 (1.1/2") x 3/4"	Metric & Rural (Long Bolts)	2	1607008	12.02	1607116	19.77
40 (1.1/2") x 1"	Metric & Rural (Long Bolts)	2	1607009	12.02	1607117	19.77
50 (2") x 1/2"	Metric & Rural (Long Bolts)	2	1607010	13.60	1607118	21.45
50 (2") x 1.1/4"	Metric & Rural (Long Bolts)	2	1607011	13.60	1607119	21.45

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

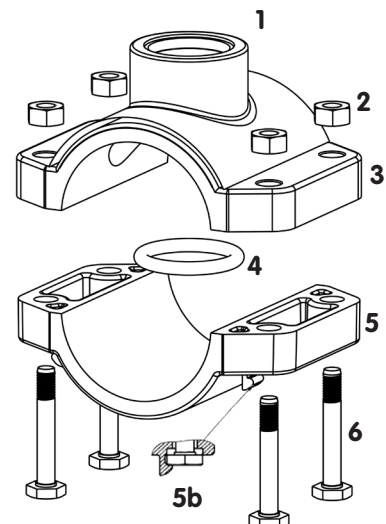
### Quick and Easy Assembly:

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 up per 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. Inserts 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	PRICE
50 x 3/4"	2	1607012	13.45
50 x 1"	2	1607013	13.45
50 x 1.1/4"	2	1607014	13.45
63 x 1/2"	4	1607015	17.41
63 x 3/4"	4	1607016	17.41
63 x 1"	4	1607017	17.41
63 x 1.1/4"	4	1607018	17.41
63 x 1.1/2"	4	1607019	17.41
75 x 1/2"	4	1607020	21.34
75 x 3/4"	4	1607021	21.34
75 x 1"	4	1607022	21.34
75 x 1.1/4"	4	1607023	21.34
75 x 1.1/2"	4	1607024	21.34
75 x 2"	4	1607025	21.34
90 x 1/2"	4	1607026	25.70
90 x 3/4"	4	1607027	25.70
90 x 1"	4	1607028	25.70
90 x 1.1/4"	4	1607029	25.70
90 x 1.1/2"	4	1607030	25.70
90 x 2"	4	1607031	25.70
110 x 1/2"	4	1607032	31.50
110 x 3/4"	4	1607033	31.50
110 x 1"	4	1607034	31.50
110 x 1.1/4"	4	1607035	31.50
110 x 1.1/2"	4	1607036	31.50
110 x 2"	4	1607037	31.50
125 x 3/4"	6	1607038	42.62
125 x 1"	6	1607039	42.62
125 x 1.1/4"	6	1607040	42.62
125 x 1.1/2"	6	1607041	42.62
125 x 2"	6	1607042	42.62
140 x 1"	6	1607043	77.29
140 x 1.1/4"	6	1607044	77.29
140 x 1.1/2"	6	1607045	77.29
140 x 2"	6	1607046	59.25
160 x 1"	6	1607047	82.39
160 x 1.1/4"	6	1607048	82.39
160 x 1.1/2"	6	1607049	82.39
160 x 2"	6	1607050	82.39
180 x 1"	6	1607051	101.33
180 x 1.1/4"	6	1607052	101.33
180 x 1.1/2"	6	1607053	101.33
180 x 2"	6	1607054	101.33

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

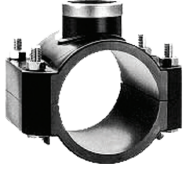
FPM and EPDM O-Rings are available subject to special pricing and delivery.

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	PRICE
20	x	1/2"	2	1607055	10.45
25	x	1/2"	2	1607056	11.37
25	x	3/4"	2	1607057	11.37
32	x	1/2"	2	1607058	17.41
32	x	3/4"	2	1607059	17.41
32	x	1"	2	1607060	17.41
40	x	1/2"	2	1607061	18.81
40	x	3/4"	2	1607062	18.81
40	x	1"	2	1607063	18.81
50	x	1/2"	2	1607064	20.48
50	x	3/4"	2	1607065	20.48
50	x	1"	2	1607066	20.48
50	x	1.1/4"	2	1607067	20.48
63	x	1/2"	4	1607068	28.94
63	x	3/4"	4	1607069	28.94
63	x	1"	4	1607070	28.94
63	x	1.1/4"	4	1607071	28.94
63	x	1.1/2"	4	1607072	28.94
75	x	1/2"	4	1607073	35.83
75	x	3/4"	4	1607074	35.83
75	x	1"	4	1607075	35.83
75	x	1.1/4"	4	1607076	35.83
75	x	1.1/2"	4	1607077	35.83
75	x	2"	4	1607078	35.83
90	x	1/2"	4	1607079	42.62
90	x	3/4"	4	1607080	42.62
90	x	1"	4	1607081	42.62
90	x	1.1/4"	4	1607082	42.62
90	x	1.1/2"	4	1607083	42.62
90	x	2"	4	1607084	42.62
110	x	1/2"	4	1607085	45.75
110	x	3/4"	4	1607086	45.75
110	x	1"	4	1607087	45.75
110	x	1.1/4"	4	1607088	45.75
110	x	1.1/2"	4	1607089	45.75
110	x	2"	4	1607090	45.75
125	x	3/4"	6	1607091	62.76
125	x	1"	6	1607092	62.76
125	x	1.1/4"	6	1607093	62.76
125	x	1.1/2"	6	1607094	62.76
125	x	2"	6	1607095	62.76
140	x	1.1/4"	6	1607096	77.29
140	x	1.1/2"	6	1607097	77.29
140	x	2"	6	1607098	77.29
160	x	1"	6	1607099	87.37
160	x	1.1/4"	6	1607100	87.37
160	x	1.1/2"	6	1607101	87.37
160	x	2"	6	1607102	87.37
180	x	1"	6	1607103	104.88
180	x	1.1/4"	6	1607104	104.88
180	x	1.1/2"	6	1607105	104.88
180	x	2"	6	1607106	104.88

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	PRICE
63 x 25	4	12.5	1654001	112.02
63 x 32	4	12.5	1654002	112.02
75 x 25	4	12.5	1654003	129.99
75 x 32	4	12.5	1654004	129.99
90 x 25	4	12.5	1654005	136.02
90 x 32	4	12.5	1654006	136.02
110 x 25	4	16	1654007	140.01
110 x 32	4	16	1654008	140.01
125 x 25	6	16	1654009	145.99
125 x 32	6	16	1654010	145.99
140 x 25	6	16	1654011	171.99
140 x 32	6	16	1654012	171.99
160 x 25	6	16	1654013	178.01
160 x 32	6	16	1654014	178.01
180 x 25	6	16	1654015	194.02
180 x 32	6	16	1654016	194.02

Nuts and Bolts are stainless steel 316.  
12 x 160mm Hex Key required to operate cutter.

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



PVC X METRIC	No. OF BOLTS	PN WATER	CODE	PRICE
DN100 (114mm) x 25mm	4	16	1654007	140.01
DN100 (114mm) x 32mm	4	16	1654008	140.01
DN150 (160mm) x 25mm	6	16	1654013	178.01
DN150 (160mm) x 32mm	6	16	1654014	178.01

12 x 160mm Hex Key required to operate cutter.

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



PVC X METRIC	No. OF BOLTS	PN WATER	CODE	PRICE
100mm (122mm) x 25mm	-	16	1654017	172.47
100mm (122mm) x 32mm	-	16	1654018	172.47
150mm (177mm) x 25mm	-	16	1654019	210.76
150mm (177mm) x 32mm	-	16	1654020	210.76

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	PRICE
	METRIC	RURAL			
2	20-25	20-25	M6-30	1601001	3.49
2	32-63	-	M8-45	1601002	7.45
4	63	-	M8-45	1601002*	7.45
4	75-110	32-40	M8-60	1601003	14.40
6	125-180	50	M8-70	1601004	18.13

\*2x 1601002 kits required for size 63 saddle.

### 7002 - O-RINGS FOR SADDLES



SIZE	O-RING DIM	CODE	PRICE
20x1/2"	13.95 x 2.62	7002041	0.32
25x1/2", 25x3/4"	18.72 x 2.62	7002042	0.38
32x1/2", 32x3/4", 32x1"	25.80 x 3.53*	7002043	1.01
40x1/2", 40x3/4"	24.00 x 4.00*	7002003	0.36
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	0.95
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	1.55
63x1.1/2", 75x1.1/2", 75x2", 90x1.1/2", 110x1.1/2", 125x1.1/2", 140x1.1/2", 160x1.1/4", 180x1.1/2"	49.00 x 7.00*	7002006	1.81
90x2", 110x2", 125x2", 140x2", 160x2", 180x2"	62.00 x 7.00*	7002007	2.73

\*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	PRICE
12 x 200mm	2013001	36.37

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





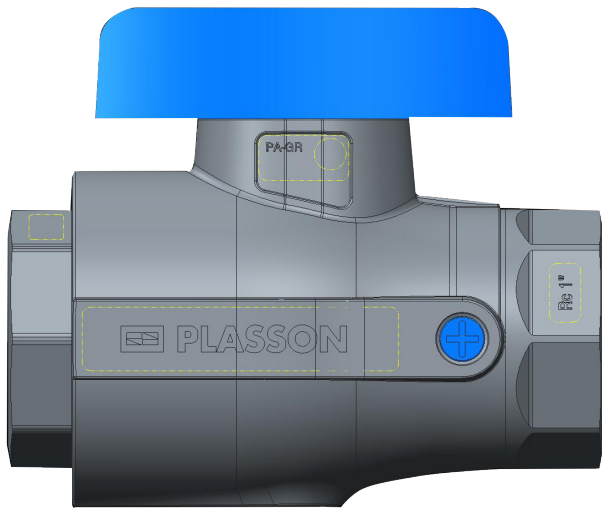
 **PLASSON**®

**Valves**



# Ball Valve for Water Applications

Extended range & 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
- ✓ 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	PRICE
1/2"	1	16	3703018	33.92
3/4"	1	16	3703006	36.59
1"	1	16	3703007	45.70
1.1/4"	1	16	3703008	58.33
1.1/2"	1	16	3703022	70.18
2"	1	16	3703023	88.40
1.1/2" - Long handle	1	16	3703009	70.18
2" - Long handle	1	16	3703010	88.40
2" - Locking handle + Compression ends	1	16	3703030	146.17

### 3703 - VALVE WITHOUT DRAIN PORT C/W LOCKING HANDLE



SIZE	BAG QTY	PN WATER	CODE	PRICE
2"	1	16	3703013	136.03

### 3703 - VALVE WITH DRAIN PORT



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2"	1	16	3703021	41.10
3/4"	1	16	3703001	47.56
1"	1	16	3703002	59.41
1.1/4"	1	16	3703003	75.81
1.1/2"	1	16	3703004	91.24
2"	1	16	3703005	114.94

### 3703 - LILAC HANDLE TO SUIT BALL VALVE



SIZE	BAG QTY	CODE	PRICE
Suit 1" + 1.1/4" Ball Valve	1	3703019*	11.62
Suit 1.1/2" Ball Valve	1	3703020*	14.07
Suit 2" Ball Valve	1	3703016	14.58

\*Available on request

## VALVES

### 1115 - DOUBLE UNION: FEMALE THREADED (BISTOP)



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2" x 1/2"	1	16	1115001	28.41
3/4" x 3/4"	1	16	1115002	29.78
1" x 1"	1	16	1115003	43.52
1.1/4" x 1.1/4"	1	16	1115004	51.16
1.1/2" x 1.1/2"	1	16	1115005	63.77
2" x 2"	1	16	1115006	99.30

### 1114 - DOUBLE UNION: FEMALE THREADED (BISTOP)



SIZE	BAG QTY	PN WATER	CODE	PRICE
2.1/2" x 2.1/2"	1	16	1114001	349.65
3" x 3"	1	16	1114002	390.21
4" x 4"	1	16	1114003	506.70

### 1135 - SINGLE UNION: FEMALE THREADED



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2" x 1/2"	1	16	1135001	21.65
3/4" x 3/4"	1	16	1135002	25.38
1" x 1"	1	16	1135003	27.96
1.1/4" x 1.1/4"	1	16	1135004	42.37
1.1/2" x 1.1/2"	1	16	1135005	58.00
2" x 2"	1	16	1135006	98.68

### 1137 - SINGLE UNION: FEMALE X METRIC POLY



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2" x 20	1	16	1137001	26.28
3/4" x 25	1	16	1137002	31.20
1" x 32	1	16	1137003	36.18
1.1/4" x 40	1	16	1137004	56.31
1.1/2" x 50	1	16	1137005	74.39
2" x 63	1	16	1137006	115.59

### 1137 - SINGLE UNION: FEMALE X RURAL



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2" x 20 (3/4")	1	16	1137007	29.78
3/4" x 25 (1")	1	16	1137008	35.00
1" x 32 (1.1/4")	1	16	1137009	39.67
1.1/4" x 40 (1.1/2")	1	16	1137010	61.95
1.1/2" x 50 (2")	1	16	1137011	81.87

### 1136 - VALVE SINGLE UNION PVC MALE X FEMALE THREADED



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2"	1	16	1136001	33.08
3/4"	1	16	1136002	38.58
1"	1	16	1136003	44.10
1.1/4"	1	16	1136004	66.15
1.1/2"	1	16	1136005	73.48
2"	1	16	1136006	99.22

## NEW PRODUCT

### Fixed Ratio Pressure Reducing Valve



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

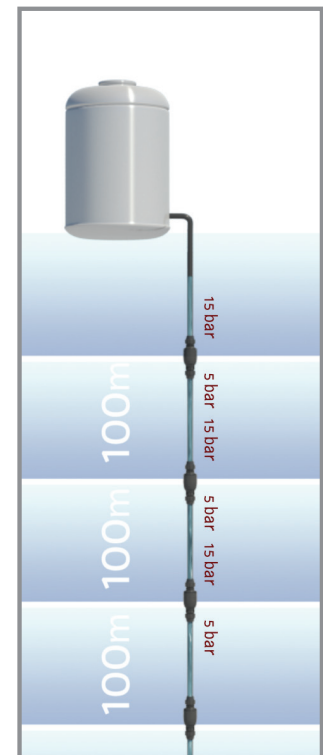
#### Technical Specifications:

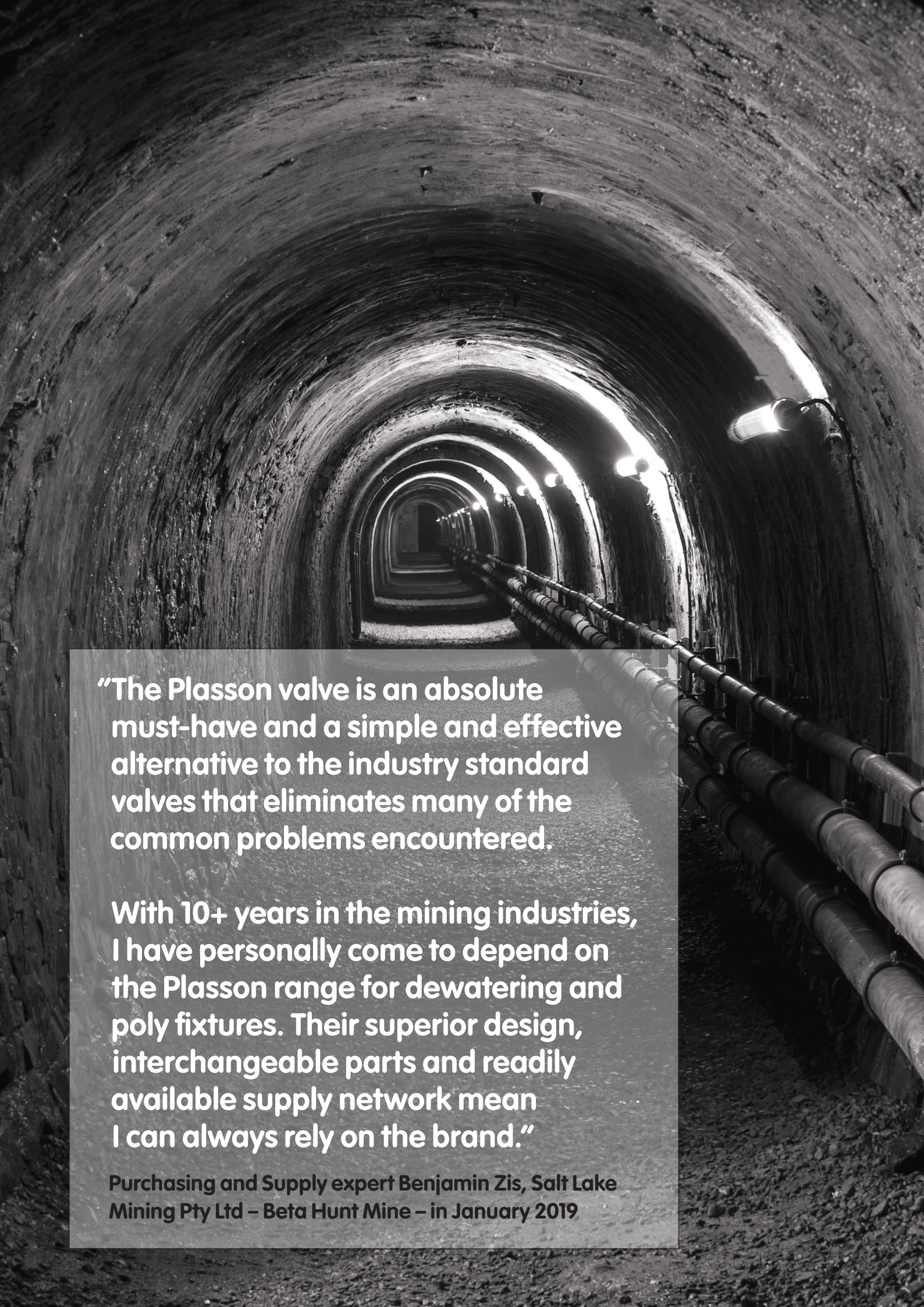
- ✓ Pressure rating: 16 bar
- ✓ Working pressure range: 2-16 bar
- ✓ Flow range: 0-14m<sup>3</sup>/hour with capacity of 30m<sup>3</sup>/hour
- ✓ Body: Polypropylene PPB
- ✓ Seals: NBR
- ✓ Diaphragm: Reinforced Neoprene
- ✓ Available in pressure reduction ratios: 2:1 or 3:1
- ✓ Connections: Plasson metric mine safe fittings 63mm
- ✓ Optional: 2" threaded male BSP, 2" shouldered

CODE	DESCRIPTION	PRICE
3801001	FIXED RATIO PRESSURE REDUCING VALVE METRIC 63 2:1	2026.35
3801002	FIXED RATIO PRESSURE REDUCING VALVE METRIC 63 3:1	2026.35

#### Features:

- ✓ Stable pressure control over the full flow and pressure range
- ✓ Corrosion resistant plastic body and internal parts
- ✓ Increased durability and resistance to abrasive fluids (sands, stones) due to an innovative flow path and diaphragm sealed activation mechanism
- ✓ Lightweight - for easy handling
- ✓ Assembled directly to PE pipe by built in Plasson compression fittings
- ✓ Can be installed either vertically or horizontally





**“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	PRICE
63 x 32	1	16	1868001	434.72
63 x 63	1	16	1868002	434.72
75 x 32	1	16	1868003	460.13
75 x 63	1	16	1868004	460.13
90 x 32	1	16	1868005	478.27
90 x 63	1	16	1868006	478.27
110 x 32	1	16	1868007	521.83
110 x 63	1	16	1868008	521.83
125 x 32	1	16	1868009	560.42
125 x 63	1	16	1868010	560.42
140 x 32	1	16	1868011	602.56
140 x 63	1	16	1868012	602.56
160 x 32	1	16	1868013	628.10
160 x 63	1	16	1868014	628.10
180 x 32	1	16	1868015	675.55
180 x 63	1	16	1868016	676.33

Nuts and bolts are stainless steel 316.

### 3039 - QUICK COUPLING VALVE



SIZE	BAG QTY	PN WATER	CODE	PRICE
3/4" - Yellow	5	10	3039001	27.07
3/4" - Lilac	5	10	3038001	31.25
1" - Yellow	5	10	3039002	27.07
1" - Lilac	5	10	3038002	31.25
Plunger for 3/4", 1" QCV	1	10	3039003	4.68
Plunger Spring for 3/4", 1" QCV	1	10	3039004	3.57
Insert for 3/4", 1"	1	10	3039005	3.57
Rubber Cuff for 3/4", 1" QCV	1	10	3039006	4.68
Cap Pin for 3/4", 1"	1	10	3039007	1.96
Yellow Cap for 3/4", 1"	1	10	3039008	3.57
Lilac Cap for 3/4", 1"	1	10	3038003	3.58
Valve Body (Upper) for 3/4", 1"	1	10	3039009	17.41
Nut for 3/4", 1"	1	10	3039010	6.83
Upper Body Seal for 3/4", 1"	1	10	3039011	3.57
Valve Washer for 3/4", 1"	1	10	3039012	6.83
Valve Body (Lower) 1"	1	10	3039013	12.75
Valve Body (Lower) 3/4"	1	10	3039014	12.75

### 3139 - KEY FOR QUICK COUPLING VALVE



	BAG QTY	PN WATER	CODE	PRICE
Riser	5	10	3139001	10.00
Riser Clip	1	10	3139002	7.78
Riser Pin	1	10	3139003	2.00



## POLYPROPYLENE VALVES

### 3046 - ANGLE SEAT VALVE - NBR COMPRESSION INLET & OUTLET



SIZE	BAG QTY	PN WATER	CODE	PRICE
32	5	8	3046001	38.01

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



SIZE	BAG QTY	PN WATER	CODE	PRICE
1/2"	5	8	3047001	23.74
3/4"	5	8	3047002	28.37
1"	1	8	3047003	29.89
1.1/4"	1	8	3047004	85.67
1.1/2"	1	8	3047005	91.34
2"	1	8	3047006	111.98

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



SIZE	BAG QTY	PN WATER	CODE	PRICE
20 x 1/2"	1	8	3048001	21.66
25 x 3/4"	1	8	3048002	25.11
32 x 1"	1	8	3048003	POA
40 x 1.1/4"	1	8	3048004	86.41
50 x 1.1/2"	1	8	3048005	89.69
63 x 2"	1	8	3048006	128.65

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	PRICE
1/2"	1	8	3049001	58.60
3/4"	1	8	3049002	60.51
1"	1	8	3049003	71.87
1.1/4"	1	8	3049004	151.39
1.1/2"	1	8	3049005	161.27
2"	1	8	3049006	196.94

Aggressive chemical applications.

### 3067 - CHECK VALVE - EDPM THREADED INLET & OUTLET



SIZE	BAG QTY	PN WATER	CODE	PRICE
3/4"	1	8	3067001	28.22
1"	1	8	3067002	29.89
1.1/4"	1	8	3067003	86.98
1.1/2"	1	8	3067004	91.34
2"	1	8	3067005	111.98

Potable water and agriculture chemicals.

**POLYPROPYLENE VALVES**

**3402 - COMPRESSION STOPCOCK FOR RURAL PIPES**



SIZE	BAG QTY	PN WATER	CODE	PRICE
20 (3/4")	5	16	3402001	32.36
25 (1")	5	16	3402002	34.01
32 (1.1/4")	5	16	3402003	38.64

**3405 - TWO-WAY INLET & OUTLET - FEMALE THREADED**



SIZE	BAG QTY	PN WATER	CODE	PRICE
3/4"	5	10	3405001	22.70
1"	5	10	3405002	25.08

**3406 - COMPRESSION STOPCOCK FOR METRIC PIPES**



SIZE	BAG QTY	PN WATER	CODE	PRICE
20	5	16	3406001	26.01
25	5	16	3406002	27.10
32	5	16	3406003	30.21

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	PRICE
20 x 15	1	12.5	3408001	33.46
25 x 20	1	12.5	3408002	35.32

**3226 - CHECK VALVE INSERT**



SIZE	BAG QTY	PN WATER	CODE	PRICE
25	1	16	3226001	19.63

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

## POLYETHYLENE BALL VALVES

### 4362 - PE 100 BALL VALVE



SIZE	BAG QTY	SDR	PN WATER	CODE	PRICE
25	1	11	16	4362001	230.43
32	1	11	16	4362002	230.43
40	1	11	16	4362003	230.43
50	1	11	16	4362004	551.03
63	1	11	16	4362005	551.03
75	1	11	16	4362006	576.07
90	1	11	16	4362007	751.40
110	1	11	16	4362008	851.58
125	1	11	16	4362009	951.75
160	1	11	16	4362010	2990.54
180	1	11	16	4362011	3631.72
225	1	11	16	4362012	5199.60

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	PRICE
25-40	0.6-0.9	1	-	3008001	238.43
50-160	0.6-0.9	1	-	3008002	338.82
25-40	0.9-1.4	1	-	3008003	263.55
50-160	0.9-1.4	1	-	3008004	363.94
25-40	1.3-2.1	1	-	3008005	288.64
50-160	1.3-2.1	1	-	3008006	401.56

### 3008 - GALVANIZED ROD BALL VALVE



VALVE SIZE	LENGTH (M)	BAG QTY	PN WATER	CODE	PRICE
25-40	0.6-0.9	1	-	3008007	188.24
50-160	0.6-0.9	1	-	3008008	238.43
25-40	0.9-1.4	1	-	3008009	200.78
50-160	0.9-1.4	1	-	3008010	263.55
25-40	1.3-2.1	1	-	3008011	213.35
50-160	1.3-2.1	1	-	3008012	288.64
160-225	1.3-2.1	1	-	3008013	347.87

 **PLASSON**®

# Electrofusion Fittings



## ELECTROFUSION FITTINGS

### 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	PRICE
16	16	11	7-11	4901001	17.39
20	16	11	7-11	4901002	17.39
25	16	11	7-11	4901003	17.93
32	16	11	7-11	4901004	18.35
40	16	11	7.4-17.6	4901005	21.10
50	16	11	7.4-17.6	4901006	27.85
63	16	11	7.4-17.6	4901007	35.82
75	16	11	7.4-17.6	4901008	46.16
90	16	11	7-17	4901009	57.53
110	16	11	7-17	4901010	78.92
125	16	11	7-17	4901011	91.89
140	16	11	7-17	4901012	128.63
160	16	11	7-17	4901013	131.70
180	16	11	7-17	4901014	182.58
200	16	11	7-17	4901015	231.70
225	16	11	7-17	4901016	259.50
250	16	11	7-21	4901017	426.70
280	16	11	7-21	4901018	598.06
315	16	11	7-26	4901019	674.15
355	16	11	7-20	4901020	862.76
400	16	11	7-26	4901021	1059.38
450*	16	11	7-17	4901022	1715.16
500*	16	11	7-17	4901023	2102.45
560*	16	11	7-33	4901024	3470.80
630*	16	11	7-33	4901025	4545.36
710*	16	11	7-26	4901026	5498.70
800*	16	11	7-17	4901027	7135.34
900*	16	11	11-17	4901034	12914.96

\*450-900 couplers have dual weld zones.

Series 3 couplers up to DN300 available on request.

## ELECTROFUSION FITTINGS

### 4501 - COUPLER - FOR THICK WALLED PIPE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
50	25	7.4	7-11	4501001	40.44
63	25	7.4	7-11	4501002	44.79
75	25	7.4	7-11	4501003	57.69
90	25	7.4	7-11	4501004	71.90
110	25	7.4	7-11	4501005	98.66
125	25	7.4	7-11	4501006	114.86
160	25	7.4	7-11	4501007	146.12
180	25	7.4	7-11	4501008	215.45
200	25	7.4	7-11	4501009	273.40
225	25	7.4	7-11	4501010	306.21
250	25	7.4	7-11	4501011	436.00
280	25	7.4	7-11	4501012	601.98
315	25	7.4	7-11	4501013	679.45
355	25	7.4	7-11	4501015	1159.01
400	20	9	7-11	4501014	3130.39

### 4901 - LONG COUPLER



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
32	16	11	7-11	4901028	18.90
40	16	11	7-11	4901029	22.89
50	16	11	7-11	4901030	33.65
63	16	11	7-11	4901031	38.81

### 4601 - LIGHTFIT COUPLER - FOR THIN WALLED PIPE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
40	10	17	11-17	4601001	21.69
50	10	17	11-17	4601002	26.49
63	10	17	11-26	4601003	28.24
75	10	17	11-26	4601004	37.33
90	10	17	11-26	4601005	40.29
110	10	17	11-33	4601006	51.78
125	10	17	11-33	4601007	68.21
140	10	17	11-33	4601008	90.06
160	10	17	11-33	4601009	104.03
180	10	17	11-33	4601010	127.92
200	10	17	11-33	4601011	185.63
225	10	17	11-33	4601012	197.05
250	10	17	11-33	4601013	270.76
280	10	17	11-33	4601014	373.27
315	10	17	11-33	4601015	411.55
355	10	17	11-41	4601016	722.31
400	10	17	11-41	4601017	833.31
450+	10	17	11-41	4601018	1552.70
500*	10	17	11-33	4601019	1733.83
560*	10	17	11-41	4601020	2671.89
630*	10	17	11-33	4601021	3156.22
710*	10	17	11-33	4601022	4234.69
800*	10	17	11-41	4601023	5488.72
900	10	17	11-41	4601024	9405.95

+450 Lightfit coupler is 42V Fitting.  
\*500-900 Lightfit Couplers have dual weld zones.

## ELECTROFUSION FITTINGS

### 4601 - SUPER LIGHTFIT COUPLER - FOR VERY THIN WALLED PIPE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
500	6.4	26	17-41	4601101	1558.23
560	6.4	26	17-41	4601102	2302.16
630	6.4	26	17-41	4601103	2796.78
710	6.4	26	17-41	4601105	3015.92
800	6.4	26	17-41	4601104	4671.89
900	6.4	26	17-41	4601107	5901.53
1000	6.4	26	17-41	4601106	12191.02

Nominal Rating - Not certified to AS/NZS 4129.

### 4911 - REDUCING COUPLER



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
20 x 16*	16	11	7-11	4911001	20.73
25 x 20	16	11	7-11	4911002	20.73
25 x 20NB**	16	11	7-11	4911003	24.01
32 x 20	16	11	7-11	4911004	20.73
32 x 25	16	11	7-11	4911005	20.73
40 x 25	16	11	7-11	4911006	48.82
40 x 32	16	11	7-11	4911007	48.82
50 x 25	16	11	7-11	4911008	54.26
50 x 32	16	11	7-11	4911009	54.26
50 x 40	16	11	7-11	4911010	54.26
50 x 40NB**	16	11	7-11	4911011	53.97
63 x 32	16	11	7-11	4911012	54.60
63 x 40	16	11	7-11	4911013	68.90
63 x 50	16	11	7-11	4911014	68.90
63 x 50NB**	16	11	7-11	4911015	68.25
75 x 63	16	11	7-11	4911016	71.56
90 x 50	16	11	7-17	4911017	104.34
90 x 63	16	11	7-17	4911018	104.34
90 x 75	16	11	7-17	4911019	104.34
110 x 63	16	11	7-17	4911020	114.53
110 x 90	16	11	7-17	4911021	157.84
125 x 90	16	11	7-17	4911022	224.72
125 x 110	16	11	7-17	4911023	224.72
160 x 90	16	11	7-17	4911024	227.39
160 x 110	16	11	7-17	4911025	227.39
160 x 125	16	11	7-17	4911026	227.39
180 x 125	16	11	7-17	4911027	401.29

\*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 DN450 – DN1000 PE Pipe



**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



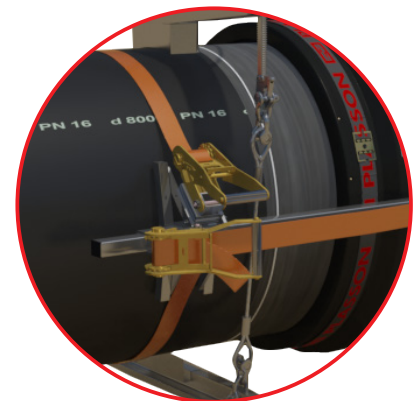
**Hydraulic Rounder**

Mechanical and hydraulic rounding 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

### 4905 - 90° ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
20	16	11	7-11	4905001	35.84
25	16	11	7-11	4905002	35.84
32	16	11	7-11	4905003	35.84
40	16	11	7-17	4905004	49.50
50	16	11	7-17	4905005	58.85
63	16	11	7-17	4905006	73.57
75	16	11	7-17	4905007	93.64
90	16	11	7-17	4905008	113.71
110	16	11	7-17	4905009	163.18
125	16	11	7-17	4905010	214.01
140	16	11	7-17	4905011	232.75
160	16	11	7-21	4905012	347.77
180	16	11	7-17	4905013	434.72
200	16	11	7-17	4905014	599.32
225	16	11	7-17	4905015	698.16
250	16	11	7-17	4905016	782.30

### 4915 - 90° DUCKFOOT ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
90 x 90	16	11	7-17	4915001	232.32

### 4915 - 90° DUCKFOOT ELBOW W/32 OUTLET



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
90 x 32 x 90	16	11	7-17	4915002	255.00

### 4906 - 45° ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
32	16	11	7-11	4906001	40.80
40	16	11	7-17	4906002	49.50
50	16	11	7-17	4906003	58.85
63	16	11	7-17	4906004	61.88
75	16	11	7-17	4906005	104.02
90	16	11	7-17	4906006	107.49
110	16	11	7-17	4906007	154.27
125	16	11	7-17	4906008	200.81
140	16	11	7-17	4906009	232.75
160	16	11	7-21	4906010	246.74
180	16	11	7-17	4906011	410.66
200	16	11	7-17	4906012	599.32
225	16	11	7-17	4906013	684.45
250	16	11	7-17	4906014	782.30

## ELECTROFUSION FITTINGS

### 4706 - 45° LIGHTFIT ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
110	10	17	11-33	4706001	130.02
160	10	17	11-33	4606001	262.12

### 4633 - 30° LIGHTFIT ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
160	10	17	11-33	4633001	262.12

### 4908 - 22.5° ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
90	16	11	7-17	4908001	92.56
110	16	11	7-17	4908002	130.50
125	16	11	7-17	4908003	199.12
160	16	11	7-21	4908004	212.52
180	16	11	7-21	4908005	353.34

### 4637 - 15° LIGHTFIT ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
160	10	17	11-33	4637001	262.15

### 4947 - ADJUSTABLE ELBOW - COUPLER TO COUPLER



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
90	16	11	7-17	4947012	319.52
110	16	11	7-17	4947001	331.98
125	16	11	7-17	4947002	411.01
160	16	11	7-21	4947003	590.11
180	16	11	7-17	4947004	754.39
200	16	11	7-17	4947005	1341.00
225	16	11	7-17	4947026	1427.17
250	16	11	7-17	4947013	1712.71

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	PRICE
90	16	11	7-17	4947014	259.59
110	16	11	7-17	4947006	273.58
125	16	11	7-17	4947007	333.06
160	16	11	7-21	4947008	493.09
180	16	11	7-17	4947009	612.29
200	16	11	7-17	4947010	1065.02
225	16	11	7-17	4947011	1190.82
250	16	11	7-17	4947015	1358.68

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 Adjustable Elbow and one-sided Adjustable Elbow allows welding to pipes at any angle up to 12° per side.

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

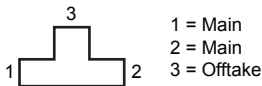
Prior to welding, the ball joints are fully adjustable within the  $\pm 12^\circ$  range. After welding, the joint is a fixed electrofusion welded connection.

The Adjustable Elbow is pressure rated as

- ✓ Water PN16
- ✓ Gas PE 100 SDR 11

## ELECTROFUSION FITTINGS

### 4904 - 90° EQUAL TEE



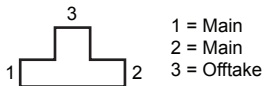
1 = Main  
2 = Main  
3 = Offtake

SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
1	2	3					
20	20	20	16	11	7-11	4904001	37.46
25	25	25	16	11	7-11	4904002	37.46
32	32	32	16	11	7-11	4904003	37.46
40	40	40	16	11	7-13.6	4904004	64.22
50	50	50	16	11	7-13.6	4904005	66.89
63	63	63	16	11	7-13.6	4904006	78.92
75	75	75	16	11	7-13.6	4904007	124.40
90	90	90	16	11	7-21	4904008	133.48
110	110	110	16	11	7-21	4904009	197.98
125	125	125	16	11	7-17	4904010	261.85
160	160	160	16	11	7-21	4904011	415.29
180	180	180	16	11	7-17	4904012	528.36
200	200	200	16	11	7-17	4904013	817.15
225	225	225	16	11	7-17	4904014	858.51
250	250	250	16	11	7-17	4904015	1136.50



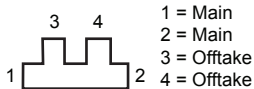
## ELECTROFUSION FITTINGS

### 4914 - 90° REDUCING TEE



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
1	2	3					
25	25	20	16	11	7-11	4914001	37.46
25	25	32	16	11	7-11	4914002	37.46
32	32	20	16	11	7-11	4914003	57.76
32	32	25	16	11	7-11	4914004	45.93
40	40	20	16	11	7-13.6	4914005	67.62
40	40	25	16	11	7-13.6	4914006	53.78
40	40	32	16	11	7-13.6	4914007	53.78
50	50	20	16	11	7-13.6	4914008	88.82
50	50	25	16	11	7-13.6	4914009	70.64
50	50	32	16	11	7-13.6	4914010	88.82
50	50	40	16	11	7-13.6	4914011	70.64
63	63	20	16	11	7-13.6	4914012	91.89
63	63	32	16	11	7-13.6	4914013	91.89
63	63	40	16	11	7-13.6	4914014	91.89
63	63	50	16	11	7-13.6	4914015	91.89
75	75	63	16	11	7-13.6	4914016	118.38
90	90	63	16	11	7-21	4914017	159.26
110	110	63	16	11	7-21	4914018	195.99
110	110	90	16	11	7-21	4914019	195.99
125	125	90	16	11	7-21	4914020	261.27
125	125	110	16	11	7-21	4914021	261.27
160	160	90	16	11	7-21	4914022	362.59
160	160	110	16	11	7-21	4914023	362.59
160	160	125	16	11	7-21	4914024	362.59
180	180	90	16	11	7-17	4914025	569.44
180	180	110	16	11	7-17	4914026	569.44
180	180	125	16	11	7-17	4914027	569.44
180	180	140	16	11	7-17	4914028	569.44
180	180	160	16	11	7-17	4914029	569.44
200	200	90	16	11	7-17	4914030	811.45
200	200	110	16	11	7-17	4914031	811.45
225	225	90	16	11	7-17	4914032	922.14
225	225	110	16	11	7-17	4914033	922.14
250	250	90	16	11	7-17	4914034	1220.68
250	250	110	16	11	7-17	4914035	1220.68

### 4924 - 90° REDUCING TEE WITH DOUBLE OUTLET



SIZE				PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
1	2	3	4					
40	40	25	25	16	11	7-13.6	4924001	121.33
40	40	32	32	16	11	7-13.6	4924002	121.33
50	50	25	25	16	11	7-13.6	4924003	202.18
50	50	32	32	16	11	7-13.6	4924004	202.18
63	63	25	25	16	11	7-13.6	4924006	209.13
63	63	32	32	16	11	7-13.6	4924007	209.13
63	63	40	40	16	11	7-13.6	4924008	209.13

## ELECTROFUSION FITTINGS

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



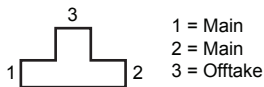
SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
1	2	3					
110	110	90	16	11	7-17	4904016	825.43
125	125	90	16	11	7-17	4904017	951.97
160	160	90	16	11	7-17	4904018	960.93
180	180	90	16	11	7-17	4904019	1333.15
200	200	90	16	11	7-17	4904020	1681.89
225	225	90	16	11	7-17	4904021	1834.35
250	250	90	16	11	7-17	4904022	2245.73

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 WATER	SDR GAS	SDR RANGE	CODE	PRICE
1	2	3						
110	110	"4 ISO	180	16	11	7-21	4994001	433.22
125	125	"4 ISO	180	16	11	7-17	4994002	521.45
160	160	"4 ISO	180	16	11	7-21	4994003	601.67
180	180	"4 ISO	180	16	11	7-17	4994004	898.50
200	200	"4 ISO	180	16	11	7-17	4994005	2146.66
225	225	"4 ISO	180	16	11	7-17	4994006	2399.47
250	250	"4 ISO	180	16	11	7-17	4994007	3081.55

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

### 4977 - PE CAST IRON FLANGE COUPLER



SIZE		PCD	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
PE x ISO FLANGE**							
63	x 2" ISO	125	16	11	7-11	4977001	320.89
110	x 4" ISO	180	16	11	7-17	4977002	457.27
125	x 4" ISO	180	16	11	7-17	4977003	505.41
160	x 6" ISO*	240	16	11	7-17	4977004	882.45
180	x 6" ISO*	240	16	11	7-17	4977005	1018.85
225	x 8" ISO	295	16	11	7-17	4977006	1436.01

\*Use M16 bolts with 150 flanges.

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

## ELECTROFUSION FITTINGS

### 4912 - END CAP - INCLUDES COUPLING & PLUG



Coupling + Plug



Monolithic (one piece)

SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
20	16	11	7-11	4912001	29.52
25	16	11	7-11	4912002	29.52
32*	16	11	7-11	4912003	28.95
32	16	11	7-11	4912035	28.89
40*	16	11	7-11	4912004	33.65
40	16	11	7-11	4912036	33.60
50*	16	11	7-11	4912005	43.60
50	16	11	7-11	4912037	43.56
63*	16	11	7-11	4912006	53.18
63	16	11	7-11	4912038	53.13
75	16	11	7-11	4912007	78.63
90	16	11	7-17	4912008	86.62
110	16	11	7-17	4912009	117.19
125	16	11	7-17	4912010	143.32
140	16	11	7-17	4912011	186.38
160	16	11	7-17	4912012	207.44
180	16	11	7-17	4912013	280.94
200	16	11	7-17	4912014	583.75
225	16	11	7-17	4912015	597.35
250	16	11	7-17	4912016	763.49

\*Monolithic End Cap

### 4912 - END PLUG



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
20	16	11	-	4912017	7.77
25	16	11	-	4912018	9.77
32	16	11	-	4912019	16.42
40	16	11	-	4912020	17.91
50	16	11	-	4912021	20.90
63	16	11	-	4912022	26.90
75	16	11	-	4912023	30.46
90	16	11	-	4912024	35.84
110	16	11	-	4912025	47.76
125	16	11	-	4912026	67.19
140	16	11	-	4912027	82.12
160	16	11	-	4912028	97.06
180	16	11	-	4912029	141.83
200	16	11	-	4912030	249.57
225	16	11	-	4912031	249.57
250	16	11	-	4912032	249.57
280	16	11	-	4912033	574.24
315	16	11	-	4912034	765.63

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

### 4971 - MALE ADAPTOR E/F - PE100



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
25	x	3/4"	16	11	-	4971001	21.54
32	x	1"	16	11	-	4971002	21.54
40	x	1"	16	11	-	4971003	23.44
40	x	1.1/4"	16	11	-	4971004	23.44
40	x	1.1/2"	16	11	-	4971005	23.44
50	x	1.1/2"	16	11	-	4971006	24.43
63	x	1.1/2"	16	11	-	4971007	24.43
63	x	2"	16	11	-	4971008	24.43

Fits any electrofusion socket.

### 4961 - FEMALE ADAPTOR E/F - PE100



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
20	x	1/2"	16	11	-	4961001	21.92
25	x	3/4"	16	11	-	4961002	21.92
32	x	1"	16	11	-	4961003	26.40
40	x	1.1/4"	16	11	-	4961004	30.42
50	x	1.1/2"	16	11	-	4961005	47.85
63	x	2"	16	11	-	4961006	57.70

Fits any electrofusion socket.

### 3045 - BRASS REDUCING NIPPLE FOR TRANSITION UNIONS



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
1.1/4"	x	1"	16	11	-	3045001	34.37
2.1/2"	x	2"	16	11	-	3045004	82.62

### 4971 - MALE TRANSITION COUPLER - MALE PE100 OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
25	x	3/4"	16	11	-	4971009	40.56
32	x	1"	16	11	-	4971010	39.52
40	x	1"	16	11	-	4971011	47.53
40	x	1.1/4"	16	11	-	4971012	47.84
40	x	1.1/2"	16	11	-	4971013	47.84
50	x	1.1/2"	16	11	-	4971014	50.43
63	x	1.1/2"	16	11	-	4971015	53.16
63	x	2"	16	11	-	4971016	53.16

## ELECTROFUSION FITTINGS

### 4921 - TRANSITION COUPLING - MALE BRASS BSP OUTLET



SIZE		PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
20	x 1/2"	16	11	7-11	4921021	53.75
25	x 3/4"	16	11	7-11	4921022	54.60
32	x 1/2"	16	11	7-11	4921023	70.16
32	x 3/4"	16	11	7-11	4921024	70.16
32	x 1"	16	11	7-11	4921025	70.16
32	x 1.1/4"	16	11	7-11	4921026	72.37
32	x 1.1/2"	16	11	7-11	4921027	76.79
40	x 1"	16	11	7-11	4921028	93.41
40	x 1.1/4"	16	11	7-11	4921029	89.59
40	x 1.1/2"	16	11	7-11	4921030	92.98
40	x 2"	16	11	7-11	4921031	104.91
50	x 1"	16	11	7-11	4921032	109.29
50	x 1.1/4"	16	11	7-11	4921033	106.67
50	x 1.1/2"	16	11	7-11	4921034	103.02
50	x 2"	16	11	7-11	4921035	116.00
63	x 1.1/4"	16	11	7-11	4921036	140.73
63	x 1.1/2"	16	11	7-11	4921037	137.66
63	x 2"	16	11	7-11	4921038	131.41
75	x 2"	16	11	7-11	4921039	243.86
75	x 2.1/2"	16	11	7-11	4921040	243.86

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	PRICE
32	x 1.1/4"	16	11	7-11	4951015	282.97
32	x 1.1/2"	16	11	7-11	4951002	260.23
40	x 1.1/4"	16	11	7-11	4951003	178.67
40	x 1.1/2"	16	11	7-11	4951004	190.55
50	x 1.1/2"	16	11	7-11	4951005	223.12
50	x 2"	16	11	7-11	4951014	282.97
63	x 1.1/2"	16	11	7-11	4951006	251.18
63	x 2"	16	11	7-11	4951007	249.81

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	PRICE
20	x 1/2"	16	11	7-11	4931013	53.75
25	x 3/4"	16	11	7-11	4931014	54.60
32	x 3/4"	16	11	7-11	4931015	54.60
32	x 1"	16	11	7-11	4931016	65.22
40	x 1"	16	11	7-11	4931017	93.41
40	x 1.1/4"	16	11	7-11	4931018	89.59
40	x 1.1/2"	16	11	7-11	4931019	92.98
50	x 1.1/2"	16	11	7-11	4931020	103.02
50	x 2"	16	11	7-11	4931021	116.00
63	x 1.1/2"	16	11	7-11	4931022	137.66
63	x 2"	16	11	7-11	4931023	131.41

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	PRICE
32	x 1"	16	11	7-11	4941001	100.19
40	x 1"	16	11	7-11	4941002	131.56
40	x 1.1/4"	16	11	7-11	4941003	131.56
50	x 1.1/2"	16	11	7-11	4941004	147.48
63	x 1.1/2"	16	11	7-11	4941005	185.39
63	x 2"	16	11	7-11	4941006	185.39

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

## ELECTROFUSION FITTINGS

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



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
20	x	3/4"	16	11	7-11	4941007	50.79
25	x	3/4"	16	11	7-11	4941008	54.60
25	x	1"	16	11	7-11	4941009	54.60
32	x	1"	16	11	7-11	4941010	65.22
32	x	1.1/4"	16	11	7-11	4941011	65.22
40	x	1.1/4"	16	11	7-11	4941012	87.61
40	x	1.1/2"	16	11	7-11	4941013	89.59
50	x	1"	16	11	7-11	4941014	121.35
50	x	2"	16	11	7-11	4941015	102.35
63	x	2"	16	11	7-11	4941016	131.41
63	x	2.1/2"	16	11	7-11	4941017	131.41

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	PRICE
20	x	1/2"	16	11	7-11	4925001	75.14
25	x	3/4"	16	11	7-11	4925002	76.66
32	x	1/2"	16	11	7-11	4925003	79.96
32	x	3/4"	16	11	7-11	4925004	79.96
32	x	1"	16	11	7-11	4925005	79.96
32	x	1.1/4"	16	11	7-11	4925006	87.20
32	x	1.1/2"	16	11	7-11	4925007	92.13
40	x	1"	16	11	7-13.6	4925008	113.45
40	x	1.1/4"	16	11	7-13.6	4925009	109.68
40	x	1.1/2"	16	11	7-13.6	4925010	113.18
40	x	2"	16	11	7-13.6	4925011	125.13
50	x	1"	16	11	7-13.6	4925012	132.23
50	x	1.1/4"	16	11	7-13.6	4925013	129.87
50	x	1.1/2"	16	11	7-13.6	4925014	126.00
50	x	2"	16	11	7-13.6	4925015	138.94
63	x	1.1/4"	16	11	7-13.6	4925016	166.78
63	x	1.1/2"	16	11	7-13.6	4925017	163.33
63	x	2"	16	11	7-13.6	4925018	157.16

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	PRICE
20	x	1/2"	16	11	7-11	4935001	75.14
25	x	3/4"	16	11	7-11	4935002	76.66
32	x	1"	16	11	7-11	4935003	80.02
40	x	1"	16	11	7-13.6	4935004	113.45
40	x	1.1/4"	16	11	7-13.6	4935005	109.68
40	x	1.1/2"	16	11	7-13.6	4935006	113.18
50	x	1.1/2"	16	11	7-13.6	4935007	125.91
50	x	2"	16	11	7-13.6	4935008	139.14
63	x	1.1/2"	16	11	7-13.6	4935009	163.42
63	x	2"	16	11	7-13.6	4935010	157.16

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

## ELECTROFUSION FITTINGS

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



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
20	x	3/4"	16	11	7-11	4945001	76.81
25	x	3/4"	16	11	7-11	4945002	81.02
25	x	1"	16	11	7-11	4945003	81.02
32	x	1"	16	11	7-11	4945004	91.73
32	x	1.1/4"	16	11	7-11	4945005	91.73
40	x	1.1/2"	16	11	7-13.6	4945006	119.45
63	x	1.1/2"	16	11	7-13.6	4945008	278.46
63	x	2"	16	11	7-13.6	4945009	179.13
63	x	2.1/2"	16	11	7-13.6	4945010	179.13

### 4926 - 45° TRANSITION ELBOW - MALE BRASS OUTLET



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
32	x	1/2"	16	11	7-11	4926001	79.96
32	x	3/4"	16	11	7-11	4926002	79.96
32	x	1"	16	11	7-11	4926003	79.96
32	x	1.1/4"	16	11	7-11	4926004	87.20
32	x	1.1/2"	16	11	7-11	4926005	92.13
40	x	1"	16	11	7-13.6	4926006	113.45
40	x	1.1/4"	16	11	7-13.6	4926007	109.68
40	x	1.1/2"	16	11	7-13.6	4926008	113.18
40	x	2"	16	11	7-13.6	4926009	125.13
50	x	1"	16	11	7-13.6	4926010	132.23
50	x	1.1/4"	16	11	7-13.6	4926011	129.87
50	x	1.1/2"	16	11	7-13.6	4926012	126.00
50	x	2"	16	11	7-13.6	4926013	139.07
63	x	1.1/4"	16	11	7-13.6	4926014	166.78
63	x	1.1/2"	16	11	7-13.6	4926015	163.33
63	x	2"	16	11	7-13.6	4926016	157.16

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	PRICE
32	x	1"	16	11	7-11	4936001	80.02
40	x	1"	16	11	7-13.6	4936002	113.18
40	x	1.1/4"	16	11	7-13.6	4936003	109.68
40	x	1.1/2"	16	11	7-13.6	4936004	113.18
50	x	1.1/2"	16	11	7-13.6	4936005	126.00
50	x	2"	16	11	7-13.6	4936006	139.14
63	x	1.1/2"	16	11	7-13.6	4936007	163.42
63	x	2"	16	11	7-13.6	4936008	155.44

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	PRICE
32	x	1"	16	11	7-11	4946001	91.73
32	x	1.1/4"	16	11	7-11	4946002	91.73
40	x	1.1/2"	16	11	7-13.6	4946003	119.45
63	x	2"	16	11	7-13.6	4946005	179.13
63	x	2.1/2"	16	11	7-13.6	4946006	179.13



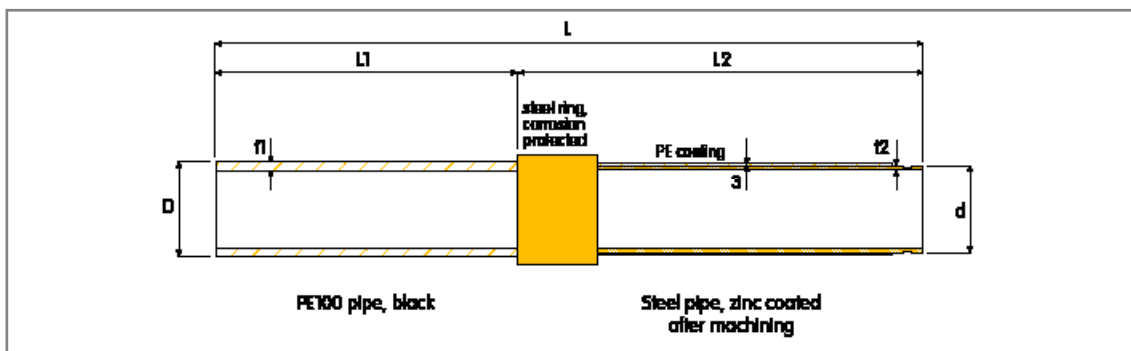
SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
125-4" (DN100)	16	11	-	4927022	679.59
180-6" (DN150)	16	11	-	4927023	871.28

# 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 to 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

### 4927 - WELDABLE TRANSITION - POLYETHYLENE TO UNTREATED STEEL

PN16 Water



SIZE		SDR GAS	SDR RANGE	CODE	PRICE
32-1" (DN25)	SCH80	11	-	4927001	65.28
40-1.1/4" (DN32)	SCH80	11	-	4927002	69.46
50-1.1/2" (DN40)	SCH80	11	-	4927003	79.20
63-2" (DN50)	SCH80	11	-	4927004	87.83
63-2" (DN50)	SCH40	11	-	4927005	75.60
90-3" (DN80)	SCH40	11	-	4927029	254.33
110-4" (DN100)	SCH40	11	-	4927006	388.20
125-4" (DN100)	SCH40	11	-	4927007	420.45
160-6" (DN150)	SCH40	11	-	4927008	762.55
200-8" (DN200)	SCH40	11	-	4927009	1299.04
250-10" (DN250)	SCH40	11	-	4927010	1912.01
315-12" (DN300)	SCH40	11	-	4927011	4117.91
355-12" (DN300)	SCH40	11	-	4927012	4135.68
400-16" (DN400)	SCH40	11	-	4927013	8483.98
560-20" (DN500)	SCH40	11	-	4927014	17342.92
630-24" (DN600)	SCH40	11	-	4927015	23183.29

Customised size available - talk to Plasson.

# 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*



## 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.

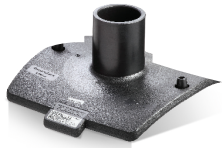
Plasson's design department uses a sophisticated CAD system, directly connected to the CAM system in the mould production department. Computerised simulations of extreme working conditions are set up to analyse the performance of new products.

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

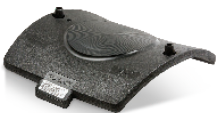
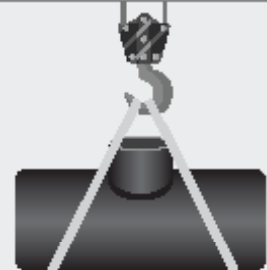
## ALTERNATIVE - old butt weld fittings



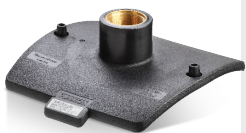
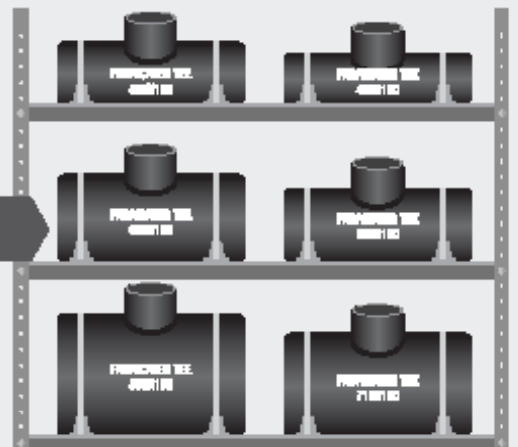
TRANSPORTING



APPLICATION



STORAGE



# New Product

## Electrofusion Branch Saddle with Integral Wire Clamp

### For pipes up to DN250 with offtakes 110mm

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

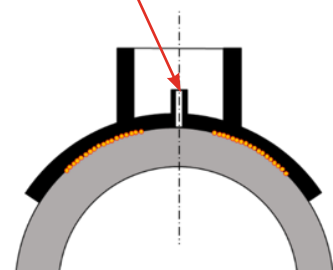
Large fusion zone increases welded contact area between saddle and pipe surfaces



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	Available soon
4958155	140	110	Available soon
4958156	160	110	Available
4958157	180	110	Available
4958158	200	110	Available
4958159	225	110	Available
4958160	250	110	Available

Other outlet sizes coming soon

## ELECTROFUSION FITTINGS

### 4958 - BRANCH SADDLE - WITH UNDERPART



Pipe DN63 up to DN180  
Outlets Pipe 32 to 63mm



Pipe DN200 up to DN315  
and all sizes with Outlets  
Pipe 90mm



Pipe DN160 up to DN250  
all sizes with Outlets  
Pipe 110mm

SIZE		PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
63	x 32	16	11	7-11	4958001	90.92
63	x 40	16	11	7-11	4958002	90.92
63	x 50	16	11	7-11	4958003	90.92
63	x 63	16	11	7-11	4958004	90.92
75	x 32	16	11	7-11	4958005	90.92
75	x 40	16	11	7-11	4958006	90.92
75	x 50	16	11	7-11	4958007	90.92
75	x 63	16	11	7-11	4958008	90.92
90	x 32	16	11	7-17	4958009	100.49
90	x 40	16	11	7-17	4958010	100.49
90	x 50	16	11	7-17	4958011	100.49
90	x 63	16	11	7-17	4958012	100.49
90	x 90*	16	11	7-17	4958013	148.04
110	x 32	16	11	7-17	4958014	100.49
110	x 40	16	11	7-17	4958015	100.49
110	x 50	16	11	7-17	4958016	100.49
110	x 63	16	11	7-17	4958017	100.49
110	x 90*	16	11	7-17	4958018	157.93
125	x 32	16	11	7-17	4958019	110.07
125	x 40	16	11	7-17	4958020	110.07
125	x 50	16	11	7-17	4958021	110.07
125	x 63	16	11	7-17	4958022	110.07
125	x 90*	16	11	7-17	4958023	177.07
125	x 110**	16	11	7-17	4958154	389.30
140	x 32	16	11	7-17	4958024	114.86
140	x 40	16	11	7-17	4958025	114.86
140	x 50	16	11	7-17	4958026	114.86
140	x 63	16	11	7-17	4958027	114.86
140	x 90*	16	11	7-17	4958028	114.86
140	x 110**	16	11	7-17	4958155	400.99
160	x 32	16	11	7-17	4958029	114.86
160	x 40	16	11	7-17	4958030	114.86
160	x 50	16	11	7-17	4958031	114.86
160	x 63	16	11	7-17	4958032	114.86
160	x 90	16	11	7-17	4958033	210.55
160	x 110+	16	11	7-17	4958156	421.00
180	x 32	16	11	7-17	4958034	124.42
180	x 40	16	11	7-17	4958035	124.42
180	x 50	16	11	7-17	4958036	124.42
180	x 63	16	11	7-17	4958037	124.42
180	x 90	16	11	7-17	4958038	229.70
180	x 110+	16	11	7-17	4958157	442.07
200	x 63	16	11	7-17	4958039	263.19
200	x 90	16	11	7-17	4958040	263.19
200	x 110+	16	11	7-17	4958158	530.45
225	x 63	16	11	7-17	4958041	263.19
225	x 90	16	11	7-17	4958042	263.19
225	x 110	16	11	7-17	4958159	572.89
250	x 63	16	11	7-17	4958043	263.19
250	x 90	16	11	7-17	4958044	263.19
250	x 110+	16	11	7-17	4958160	595.81
280	x 90	16	11	7-17	4958045	336.66
315	x 90	16	11	7-17	4958046	397.17

\*Underpart is the same as a Balloon Saddle strap

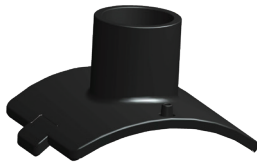
\*\*Available soon

\*Electrofusion Branch Saddle with Integral Wire Clamp

SADDLE CLAMPS NOT REQUIRED. Cut after 4x cooling period indicated on fitting barcode.

## ELECTROFUSION FITTINGS

### 4958 - BRANCH SADDLE - LARGE BORE



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
280-400	x	90	16	11	7-17	4958047	602.31
280-400	x	110	16	11	7-17	4958048	706.20
250	x	125	16	11	7-17	4958115	793.25
250	x	160	16	11	7.4-17.6	4958161	1338.90
280-400	x	125	16	11	7-17	4958049	793.25
280-400	x	160	16	11	7-17	4958050	1338.90
315-450	x	225	10	17	17-33	4758028*	2628.87
315-355	x	250	16	11	7-17	4958092	2128.63
400	x	250	16	11	7-17	4958082	2628.87
450	x	250	16	11	7-17	4958093	6651.98
450	x	280	16	11	11-26	4958116*	8189.91
450	x	315	16	11	7-17	4958094	8620.97
450-630	x	225	10	17	17-33	4758029*	2628.87
450-800	x	90	16	11	7-26	4958051	654.62
450-800	x	110	16	11	7-26	4958052	768.18
450-800	x	125	16	11	7-26	4958053	864.59
450-800	x	160	16	11	7-26	4958054	1464.80
500	x	200	16	11	11-26	4958105*	3821.53
500	x	225	16	11	11-26	4958106*	3821.53
500	x	280	16	11	11-26	4958117*	9036.15
500	x	315	16	11	7-26	4958095	10630.76
500	x	355	16	11	11-26	4958118	13819.99
500-630	x	250	16	11	7-26	4958083	3821.56
560	x	200	16	11	11-26	4958107*	3821.53
560	x	225	16	11	11-26	4958108*	3821.53
560	x	280	16	11	11-26	4958119	8315.05
560	x	315	16	11	7-26	4958096*	9782.40
560	x	355	16	10	11-26	4958120*	17242.54
560	x	400	16	11	7-26	4958084	22940.27
630	x	200	16	11	11-26	4958109*	3821.53
630	x	225	16	11	11-26	4958110*	3821.53
630	x	280	16	11	11-26	4958121*	8775.29
630	x	315	16	11	7-26	4958097	10323.88
630	x	355	16	11	11-26	4958122*	19044.02
630	x	400	16	11	7-26	4958085	25237.07
630-800	x	225	10	17	17-33	4758030*	2628.87
710	x	200	16	11	11-26	4958111*	7450.22
710	x	225	16	11	11-26	4958112*	7450.22
710	x	250	16	11	7-33	4958098	7450.22
710	x	280	16	11	11-26	4958123*	8083.48
710	x	315	16	11	7-33	4958099*	10643.17
710	x	355	16	11	11-26	4958124*	19796.28
710	x	400	16	11	7-33	4958100*	21286.32
800	x	200	16	11	11-26	4958113*	7683.04
800	x	225	16	11	11-26	4958114*	7683.04
800	x	250	16	11	7-41	4958101*	7683.04
800	x	280	16	11	11-26	4958125*	8336.08
800	x	315	16	11	7-41	4958102	10941.18
800	x	355	16	11	11-26	4958126*	19219.69
800	x	400	16	11	7-33	4958103*	21286.32
900	x	90	-	-	-	4958086*	POA
900	x	110	16	11	11-26	4958088*	3785.56
900	x	125	16	11	11-41	4958089	3785.56
900	x	160	16	11	11-41	4958090*	4059.91
900	x	180	16	11	11-26	4958151*	10588.10

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

\*Made to order.

## ELECTROFUSION FITTINGS

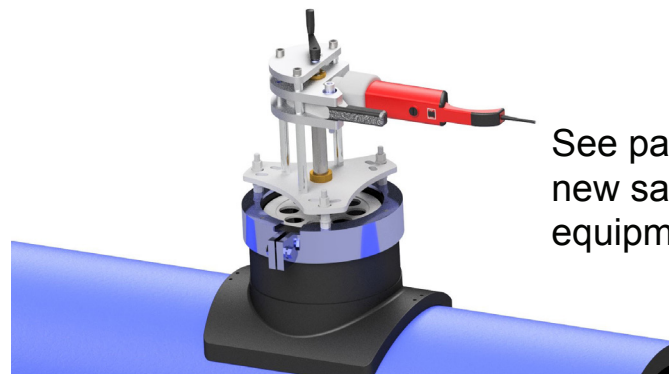
### 4958 - BRANCH SADDLE - LARGE BORE



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
900	x	200	16	11	11-41	4958152*	10588.10
900	x	225	16	11	11-41	4958153*	10588.10
900	x	250	16	11	11-41	4958087	7537.92
900	x	280	16	11	11-41	4958127*	8178.59
900	x	315	16	11	11-41	4958104*	12106.60
900	x	355	16	11	17-41	4958128*	22270.81
900	x	400	16	11	11-41	4958091*	23947.11
1000	x	110	10	17	17-41	4958145*	5072.82
1000	x	125	10	17	17-41	4958146*	5326.44
1000	x	160	10	17	17-41	4958147*	5592.78
1000	x	180	10	17	17-41	4958129*	11812.51
1000	x	200	10	17	17-41	4958130*	11812.51
1000	x	225	10	17	17-41	4958131*	11812.51
1000	x	250	10	17	17-41	4958132*	8668.59
1000	x	280	10	17	17-26	4958133*	9405.39
1000	x	315	10	17	17-41	4958134*	13922.59
1000	x	355	10	17	17-26	4958135*	25611.42
1000	x	400	10	17	17-41	4958136*	27539.18
1200	x	110	10	17	17-41	4958148*	5833.73
1200	x	125	10	17	17-41	4958149*	6125.40
1200	x	160	10	17	17-41	4958150*	6431.71
1200	x	180	10	17	17-41	4958137*	13584.39
1200	x	200	10	17	17-41	4958138*	13584.39
1200	x	225	10	17	17-41	4958139*	13584.39
1200	x	250	10	17	17-41	4958140*	9968.88
1200	x	280	10	17	17-26	4958141*	10816.19
1200	x	315	10	17	17-41	4958142*	16010.99
1200	x	355	10	17	17-26	4958143*	29453.14

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

\*Made to order.

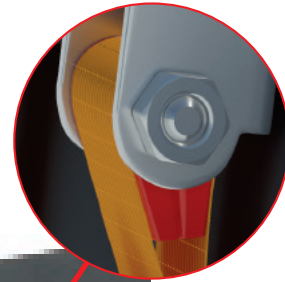
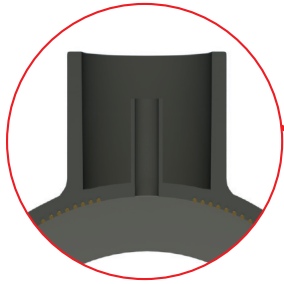


See page 139 for Plasson's new saddle core cutting equipment

# Large Bore Electrofusion Branch Saddles Pipes DN280 - DN1200 with offtakes to 160mm

## Weld Integrity Test

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



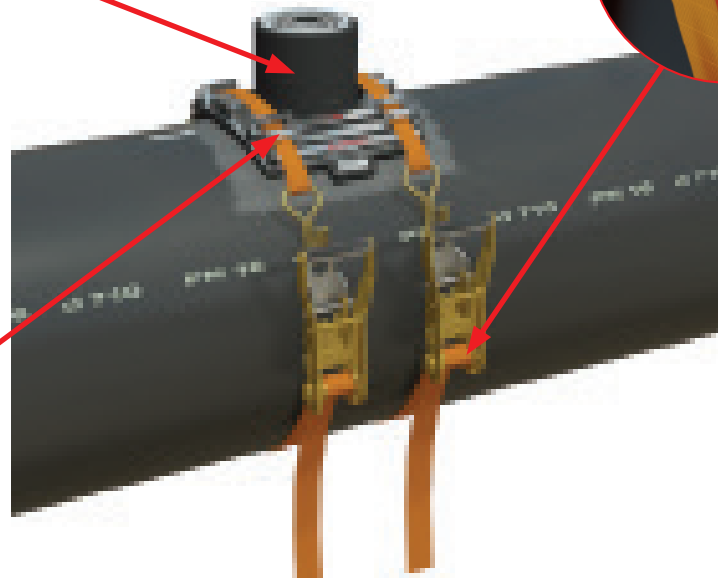
## Correct Clamp Indicator Stamp

- 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

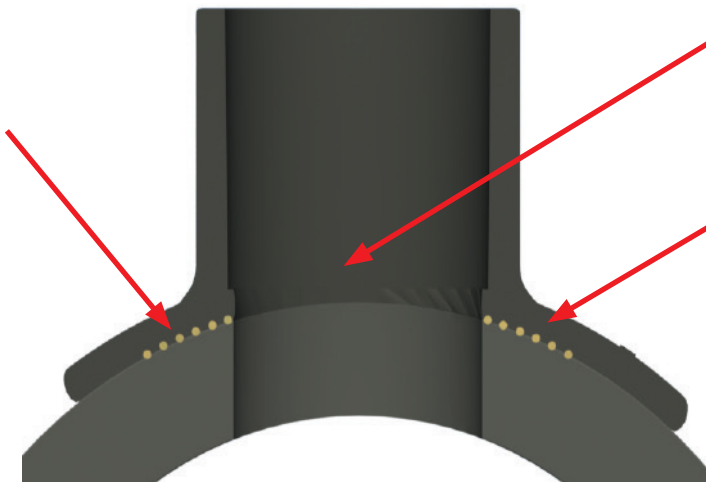
- Embedded heating wires limit the risk of physical damage to the wire
- Embedded wires are protected from environment during storage
- Instant heat transfer between coil and PE for fast gap closure
- Single welding time for ambient temperatures between -10°C to +45°C
- No temperature compensation required

## 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

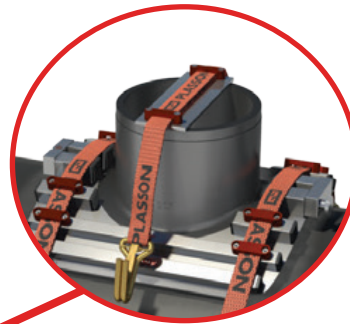


# Installation Tools

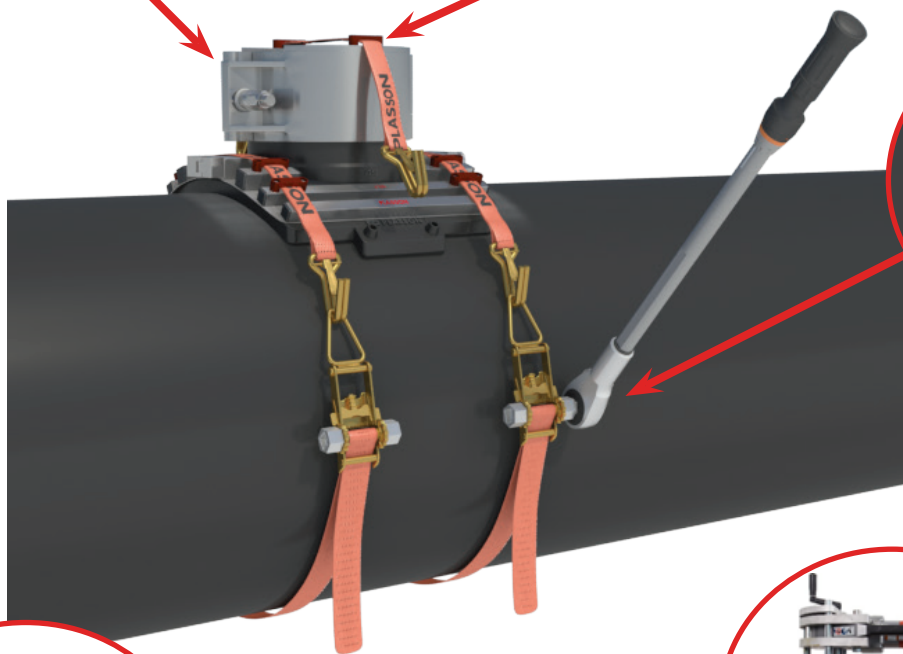
## Plasson Large Bore Electrofusion Saddles with offtakes 180-400mm



**Rounding Ring**  
PN16 saddles 180-250 use a re-rounding ring to maintain the circular shape of the offtake during fusion. See page 133



**Bar**  
PN16 saddles with branches 280mm to 400mm and PN10 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

### 4963 - TAPPING SADDLE - WITH UNDERPART



SIZE	WELDING CAP TYPE**	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
40 x 20 mb	Type C	16	11	7-11	4963001	89.59
40 x 32 mb	Type C	16	11	7-11	4963002	89.59
50 x 20 mb	Type C	16	11	7-11	4963003	89.59
50 x 25 mb	Type C	16	11	7-11	4963004	87.61
50 x 32 mb	Type C	16	11	7-11	4963005	89.59
63 x 20 mb	Type C	16	11	7-11	4963006	99.53
63 x 25 mb	Type C	16	11	7-11	4963007	97.39
63 x 32 mb	Type C	16	11	7-11	4963008	99.53
63 x 40	Type A	16	11	7-17	4963009	169.70
63 x 50	Type A	16	11	7-17	4963010	169.88
63 x 63	Type A	16	11	7-17	4963011	169.88
75 x 20 mb	Type A	16	11	7-17	4963012	172.17
75 x 32	Type A	16	11	7-17	4963013	170.22
75 x 40	Type A	16	11	7-17	4963014	172.17
75 x 50	Type A	16	11	7-17	4963015	172.17
75 x 63	Type A	16	11	7-17	4963016	172.17
90 x 20 mb	Type A	16	11	7-17	4963017	172.17
90 x 25 mb	Type A	16	11	7-17	4963018	114.90
90 x 32 mb	Type B	16	11	7-17	4963019	117.43
90 x 40 mb	Type B	16	11	7-17	4963020	142.30
90 x 50	Type A	16	11	7-17	4963021	172.17
90 x 63	Type A	16	11	7-17	4963022	172.17
110 x 20 mb	Type A	16	11	7-17	4963023	177.68
110 x 25	Type A	16	11	7-17	4963068	122.85
110 x 32 mb	Type B	16	11	7-17	4963024	122.95
110 x 40 mb	Type B	16	11	7-17	4963025	142.30
110 x 50	Type A	16	11	7-17	4963026	177.68
110 x 63	Type A	16	11	7-17	4963027	177.68
125 x 20 mb	Type A	16	11	7-17	4963028	182.66
125 x 25 mb	Type B	16	11	11-17	4963067	127.92
125 x 32 mb	Type B	16	11	7-17	4963029	127.92
125 x 40 mb	Type B	16	11	7-17	4963030	153.46
125 x 50	Type A	16	11	7-17	4963031	182.66
125 x 63	Type A	16	11	7-17	4963032	182.66
140 x 20 mb	Type A	16	11	7-17	4963033	182.66
140 x 32	Type A	16	11	7-17	4963034	179.16
140 x 40	Type A	16	11	7-17	4963035	182.66
140 x 50	Type A	16	11	7-17	4963036	182.66
140 x 63	Type A	16	11	7-17	4963037	182.64
160 x 20 mb	Type A	16	11	7-17	4963038	185.63
160 x 25	Type A	16	11	7-17	4963066	132.90
160 x 32 mb	Type A	16	11	7-17	4963039	132.90
160 x 40 mb	Type A	16	11	7-17	4963040	159.26
160 x 50 mb	Type A	16	11	7-17	4963041	185.63
160 x 63 mb	Type A	16	11	7-17	4963042	185.63
180 x 20 mb+	Type A	16	11	7-11	4963043	190.60
180 x 25 mb+	Type A	16	11	7-17	4963065	135.19
180 x 32 mb+	Type A	16	11	7-11	4963044	138.34
180 x 40 mb+	Type A	16	11	7-11	4963045	160.79
180 x 50 mb+	Type A	16	11	7-11	4963046	190.60
180 x 63 mb+	Type A	16	11	7-11	4963047	190.60
200 x 20*	Type A	16	11	7-11	4963048	282.32
200 x 32*	Type A	16	11	7-17	4963049	282.32

\*\*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

### 4963 - TAPPING SADDLE - WITH UNDERPART CONT.



SIZE	WELDING CAP TYPE**	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
200 x 40*	Type A	16	11	7-17	4963050	282.32
200 x 50*	Type A	16	11	7-17	4963051	282.32
200 x 63*	Type A	16	11	7-17	4963052	282.32
225 x 20*	Type A	16	11	7-17	4963053	306.26
225 x 32*	Type A	16	11	7-17	4963054	306.26
225 x 40*	Type A	16	11	7-17	4963055	306.26
225 x 50*	Type A	16	11	7-17	4963056	306.26
225 x 63*	Type A	16	11	7-17	4963057	306.26
250 x 20*	Type A	16	11	7-17	4963058	330.20
250 x 32*	Type A	16	11	7-17	4963059	330.20
250 x 40*	Type A	16	11	7-17	4963060	330.20
250 x 50*	Type A	16	11	7-17	4963061	330.20
250 x 63*	Type A	16	11	7-17	4963062	330.20

\*\*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)
<b>MONOBLOCK</b>	
40 - 63	20
90 - 125	25
160 - 180	30
<b>NON-MONOBLOCK</b>	
63 - 250	30

### 4966 - LIGHTFIT TAPPING SADDLE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
Suitable for wastewater					
63 x 20	10	17	7-17	4966001	99.46

### 4983 - WELDING CAP FOR TAPPING SADDLES



SIZE	WELDING CAP TYPE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
40	Type C	16	11	7-11	4983001	27.89
50	Type B	16	11	7-11	4983002	27.89
57	Type A	16	11	7-11	4983003	27.89

### 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	PRICE
12 x 200mm	2013001	36.37

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\*
- ✓ DN110 - DN1200 (110-400, 450-1200) pipes covered in two fittings reducing stock and increasing flexibility
- ✓ PN16 pressure rating
- ✓ 316 stainless steel outlet
- ✓ Eliminates unreliable hand-welded fitting into a system
- ✓ Installation via a specialised tool with an optional strap or bolt to hold the sensor adaptor onto the pipe during welding



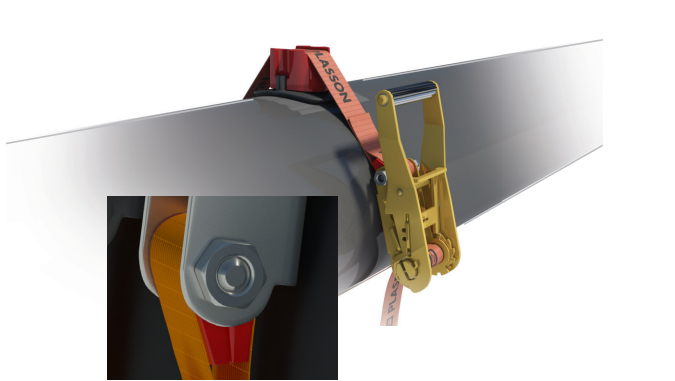
\*A barcode reading machine is required to install the Plasson sensor adaptor.

SADDLE TYPE	PIPE DN & SDR REQUIRED	CODE	PRICE
110 - 400 x 1/2" BSP	DN225 ≤ SDR11	4938101	333.66
110 - 400 x 3/4" BSP	DN250 to DN280 (inclusive) ≤ SDR17.6	4938102	350.86
110 - 400 x 1" BSP	DN315 to DN355 (inclusive) ≤ SDR21	4938103	377.85
450 - 1200 x 1/2" BSP	DN400 ≤ SDR26	4938104	567.85
450 - 1200 x 3/4" BSP	≤ SDR26	4938105	591.17
450 - 1200 x 1" BSP		4938106	620.55

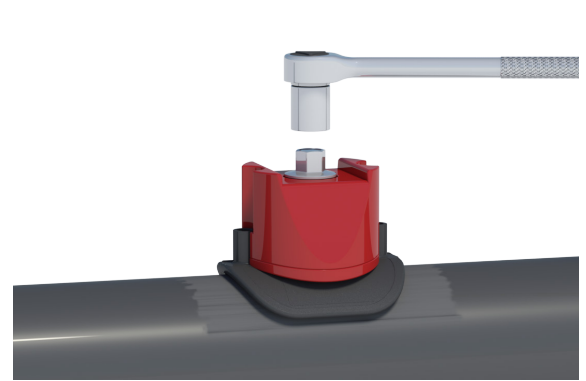
NPT Thread available on request.

**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	PRICE
Sensor Adaptor Tool with Plastic Adaptor Plates	2015002	1045.52



Hand-welded Fittings



Plasson Sensor Adaptor

## ELECTROFUSION FITTINGS

### 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	PRICE
63	x 1.1/4"	16	11	7-11	4938001	174.41
75	x 1.1/4"	16	11	7-11	4938002	174.41
90	x 1.1/2"	16	11	7-17	4938003	205.73
90	x 2"	16	11	7-17	4938004	327.26
110	x 1.1/2"	16	11	7-17	4938006	228.08
110	x 2"	16	11	7-17	4938007	277.29
125	x 1.1/2"	16	11	7-17	4938009	263.87
125	x 2"	16	11	7-17	4938010	290.70
140	x 1.1/2"	16	11	7-17	4938011	281.84
140	x 2"	16	11	7-17	4938012	281.84
160	x 1.1/2"	16	11	7-17	4938013	290.70
160	x 2"	16	11	7-17	4938014	308.60
180	x 1.1/2"	16	11	7-17	4938016	322.01
180	x 2"	16	11	7-17	4938017	335.41
200	x 2"	16	11	7-17	4938018	353.30
225	x 2"	16	11	7-17	4938019	362.25
250	x 2"	16	11	7-17	4938020	398.03
280-400	x 2"	16	11	7-17	4938021	478.06
450-800	x 2"	16	11	7-17	4938022	529.67

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	PRICE
63	x 1"	16	11	7-11	4958055	118.66
63*	x 1.1/4"	16	11	7-11	4958056	131.15
63*	x 1.1/2"	16	11	7-11	4958057	131.15

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

### 4968 - BALLOON SADDLE



SIZE		PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
90	x 2.1/2"	16	11	7-17	4968001	204.12
110	x 2.1/2"	16	11	7-17	4968002	263.19
125	x 2.1/2"	16	11	7-17	4968003	287.12
160	x 2.1/2"	16	11	7-17	4968004	306.26
180	x 2.1/2"	16	11	7-17	4968005	326.21
200	x 2.1/2"	16	11	7-17	4968006	358.89
225	x 2.1/2"	16	11	7-17	4968007	425.89
250	x 2.1/2"	16	11	7-17	4968008	425.89

Note: Sizes 110-250 have fabric understraps.

## ELECTROFUSION FITTINGS

### 4952 - REPAIR SADDLE - WITH UNDERPART



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
63	16	11	7-11	4952001	85.12
75	16	11	7-11	4952002	85.12
90	16	11	7-17	4952003	89.31
110	16	11	7-17	4952004	93.47
125	16	11	7-17	4952005	103.26
140	16	11	7-17	4952006	107.42
160	16	11	7-17	4952007	107.42
180	16	11	7-17	4952008	117.23

### 4952 - DOUBLE REPAIR SADDLE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
63	16	11	7-11	4952009	132.82
90	16	11	7-17	4952010	139.17
110	16	11	7-17	4952011	145.37
160	16	11	7-17	4952012	178.66
200	16	11	7-17	4952013	236.58

### 4952 - LARGE BORE REPAIR SADDLE



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
250-900	16	11	>14.7mm*	4952014	1383.62

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

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



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
90 x 3" Flange	16	11	7-17	4958058	616.04
90 x 3 3/4" Flange	16	11	7-17	4958069	667.24
110 x 3" Flange	16	11	7-17	4958059	626.47
110 x 3 3/4" Flange	16	11	7-17	4958070	677.66
125 x 3" Flange	16	11	7-17	4958060	647.30
125 x 3 3/4" Flange	16	11	7-17	4958071	691.43
140 x 3" Flange	16	11	7-17	4958061	660.56
140 x 3 3/4" Flange	16	11	7-17	4958072	711.76
160 x 3" Flange	16	11	7-17	4958062	683.76
160 x 3 3/4" Flange	16	11	7-17	4958073	734.95
180 x 3" Flange	16	11	7-17	4958063	704.52
180 x 3 3/4" Flange	16	11	7-17	4958074	755.73
200 x 3" Flange	16	11	7-17	4958064	740.97
200 x 3 3/4" Flange	16	11	7-17	4958075	792.17
225 x 3" Flange	16	11	7-17	4958065	740.97
225 x 3 3/4" Flange	16	11	7-17	4958076	792.17
250 x 3" Flange	16	11	7-17	4958066	740.96
250 x 3 3/4" Flange	16	11	7-17	4958077	792.17
280 x 3" Flange	16	11	7-17	4958067	835.89
280 x 3 3/4" Flange	16	11	7-17	4958078	887.08
315 x 3" Flange	16	11	7-17	4958068	904.44
315 x 3 3/4" Flange	16	11	7-17	4958079	955.63

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 171 and following for flange dimensions.

### 4902 - FULL FACED HYDRANT FLANGE ADAPTOR KIT



\* For larger PE Full Face Flanges go to page 149

	CODE	PRICE
90mm SDR 11 Full Faced Flange with 3 3/4" SS316 Table D / PN16 Universal Backing Ring	4902004	292.54
90mm Full Faced Flanged Pupp to 450mm with 3/4" Table D / PN16 SS316 Universal Backing Ring	4902005	473.62
* 90mm SDR 11 Full Faced Flange with 3" SS316 Table D / PN16 Backing Ring	4902007	253.54
90mm Full Faced Flanged Pupp to 450mm with 3" Table D / PN16 SS316 Backing Ring	4902008	434.62
<b>UNIVERSAL BACKING RING:</b>		
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

### 4954 - TAPPING VALVE - WITH UNDERPART



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
63	x	32	16	11	7-11	4954001	577.28
63	x	40	16	11	7-11	4954002	577.28
63	x	50	16	11	7-11	4954003	612.13
63	x	63	16	11	7-11	4954004	612.13
75	x	32	16	11	7-11	4954005	631.65
75	x	40	16	11	7-11	4954006	631.65
75	x	50	16	11	7-11	4954007	631.65
75	x	63	16	11	7-11	4954008	631.65
90	x	32	16	11	7-17	4954009	666.88
90	x	40	16	11	7-17	4954010	666.88
90	x	50	16	11	7-17	4954011	691.75
90	x	63	16	11	7-17	4954012	691.75
110	x	32	16	11	7-17	4954013	716.64
110	x	40	16	11	7-17	4954014	716.64
110	x	50	16	11	7-17	4954015	746.49
110	x	63	16	11	7-17	4954016	746.49
125	x	32	16	11	7-17	4954017	771.38
125	x	40	16	11	7-17	4954018	771.38
125	x	50	16	11	7-17	4954019	796.27
125	x	63	16	11	7-17	4954020	796.27
140	x	32	16	11	7-17	4954021	816.17
140	x	40	16	11	7-17	4954022	816.17
140	x	50	16	11	7-17	4954023	836.08
140	x	63	16	11	7-17	4954024	836.08
160	x	32	16	11	7-17	4954025	865.94
160	x	40	16	11	7-17	4954026	865.94
160	x	50	16	11	7-17	4954027	900.77
160	x	63	16	11	7-17	4954028	900.77
180	x	32	16	11	7-17	4954029	930.64
180	x	40	16	11	7-17	4954030	930.64
180	x	50	16	11	7-17	4954031	945.56
180	x	63	16	11	7-17	4954032	945.56
200	x	32	16	11	7-17	4954033	985.78
200	x	40	16	11	7-17	4954034	985.78
200	x	50	16	11	7-17	4954035	985.78
200	x	63	16	11	7-17	4954036	985.78
225	x	32	16	11	7-17	4954037	1028.83
225	x	40	16	11	7-17	4954038	1028.83
225	x	50	16	11	7-17	4954039	1028.83
225	x	63	16	11	7-17	4954040	1028.83
250	x	32	16	11	7-17	4954041	1076.68
250	x	40	16	11	7-17	4954042	1076.68
250	x	50	16	11	7-17	4954043	1076.68
250	x	63	16	11	7-17	4954044	1076.68



## PE TO NYLON FITTINGS

### 4911 - PE - NYLON COUPLING SYSTEM

400kPa gas



SIZE	SDR GAS	SDR RANGE	CODE	PRICE
20PE(M) x 18(F) Nylon	-	7-11	4911029	124.68
20PE(M) x 23(F) Nylon	-	7-11	4911030	129.67
25PE(M) x 18(F) Nylon	-	7-11	4911031	124.03
32PE(M) x 18(F) Nylon	-	7-11	4911032	153.05
40PE(M) x 18(F) Nylon	-	7-11	4911033	128.45
40PE(M) x 40(M) Nylon	-	7-11	4911034	147.28
63PE(M) x 40(M) Nylon	-	7-11	4911035	162.82
63PE(M) x 50(M) Nylon	-	7-17	4911036	172.91

### 4961 - TAPPING SADDLE - PE TO NYLON WITH UNDERPART

400kPa gas



SIZE	SDR GAS	SDR RANGE	CODE	PRICE
40 x 18 (F)	-	7-11	4961007	206.64
40 x 50 (M)	-	7-11	4961008	235.23
48* x 18 (F)	-	7-11	4961009	199.43
50 x 18 (F)	-	7-11	4961010	218.69
63 x 18 (F)	-	7-11	4961011	239.17
63 x 50 (M)	-	7-11	4961012	268.08
90 x 18 (F)	-	7-11	4961013	261.80
90 x 50 (M)	-	7-17	4961014	290.71
110 x 18 (F)	-	7-17	4961015	277.46
110 x 50 (M)	-	7-17	4961016	306.37
160 x 18 (F)	-	7-17	4961017	286.98
160 x 50 (M)	-	7-17	4961018	315.88
180 x 18 (F)	-	7-17	4961019	324.00
180 x 50 (M)	-	7-17	4961020	352.93
200+ x 18 (F)	-	7-17	4961021	609.27

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**

**4900 - FLEX RESTRAINT**



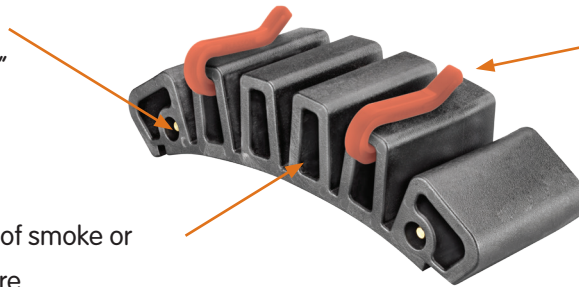
SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
160 to 1600 (6"-63")	-	-	-	4900001	208.17

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

Concealed wire - eliminates risk of smoke or unintentional contact with hot wire

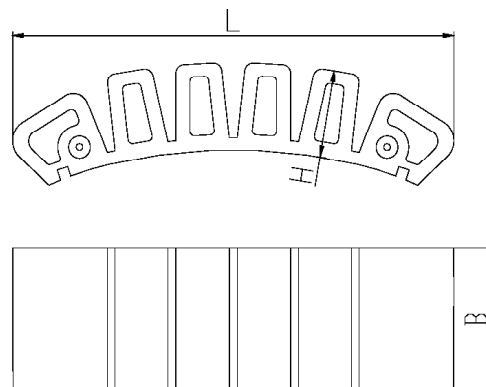


Clips for attaching the restraint to the clamping strap – facilitates installation

**Technical Specifications:**

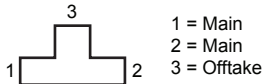
- Fits any PE pipe in the size range of 160-1600mm
- Made of PE100 / PE4710 resin
- Can be welded by any standard EF control box with barcode reading or manual input
- Designed and tested to support 31,000N (3,100kg) of axial force. Use multiple units to achieve required force

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



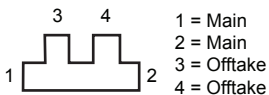
## GEOTHERMAL ELECTROFUSION SYSTEM

### 4911 - REDUCING TEE



SIZE			PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
1	2	3					
32	32	25	16	-	7-11	4914004	45.93
40	40	25	16	-	7-11	4914006	53.78
40	40	32	16	-	7-11	4914007	53.78
50	50	25	16	-	7-11	4914009	70.64
50	50	32	16	-	7-11	4914010	88.82
50	50	40	16	-	7-11	4914011	70.64
63	63	32	16	-	7-11	4914012	91.89
63	63	40	16	-	7-11	4914014	91.89

### 4924 - REDUCING TEE TWO OUTLETS



1	2	3	4	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
40	40	25	25					
40	40	32	32	16	-	7-11	4924002	121.33
50	50	25	25	16	-	7-11	4924003	202.18
50	50	32	32	16	-	7-11	4924004	202.18
63	63	25	25	16	-	7-11	4924006	209.13
63	63	32	32	16	-	7-11	4924007	209.13
63	63	40	40	16	-	7-11	4924008	209.13

### 4919 - Y REDUCER



1	2	3	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
32	25	25					
40	32	32	16	11	7-11	4919002	163.44
50	40	40	16	11	7-11	4919003	209.34

### 4909 - 180° ELBOW



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
25					
32	16	11	7-11	4909002	120.90
40	16	11	7-11	4909003	154.79

## GEOTHERMAL ELECTROFUSION SYSTEM

### 4909 - 180° ELBOW CONNECTING BOLT KIT



SIZE		SDR GAS	SDR RANGE	CODE	PRICE
25	Bolt Type M6 x 70	-	-	4909004	217.65
32	Bolt Type M6 x 90	-	-	4909005	257.47
40	Bolt Type M6 x 100	-	-	4909006	325.11

### PROBE HEAD WEIGHT CONNECTION KIT



SIZE		SDR GAS	SDR RANGE	CODE	PRICE
25	Bolt Type M8 x 70	-	-	TBA	TBA
32	Bolt Type M8 x 90	-	-	TBA	TBA
40	Bolt Type M8 x 100	-	-	TBA	TBA

### 2007 - 180° ELBOW CLAMP



SIZE		SDR GAS	SDR RANGE	CODE	PRICE
25-40	180° Elbow Clamp	-	-	2007009	1330.77

## ELECTROFUSION WASTEWATER SYSTEMS

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	PRICE
160 - 200 x 110	0.5	-	11-26	4758001	201.98
225 - 315 x 110	0.5	-	11-26	4758002	215.36

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	PRICE
110	10	17	11-33	4706001	130.02

### 4758 - WASTEWATER SADDLE - ADJUSTABLE 160MM OUTLET



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
225-250 x 160	-	-	11-26	4758003	386.28
280-315 x 160	-	-	11-26	4758004	400.28
355-560 x 160	-	-	11-26	4758005	420.69

Requires specialised installation tool; see page 137

### 4747 - ADJUSTABLE ELBOW FOR WASTE WATER 0 - 12°



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
160	16	-	11-26	4747001	374.53

### 4772 - 3702 - MANHOLE ADAPTOR



SIZE	PN WATER	SDR GAS	SDR RANGE	CODE	PRICE
160	-	-	-	4772001	529.40
225	-	-	-	4772002	594.61
280	-	-	-	4772003	725.05
180	-	-	-	3702001	629.69
200	-	-	-	3702002	594.61
250	-	-	-	3702003	663.43
315	-	-	-	3702004	823.72
355	-	-	-	3702005	904.54
400	-	-	-	3702006	1100.03
500+	-	-	-	3702007	2523.08
560+	-	-	-	3702008	2998.19
630+	-	-	-	3702009	3930.73

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

 **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](http://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](http://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**®



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

[www.plasson.com.au](http://www.plasson.com.au)

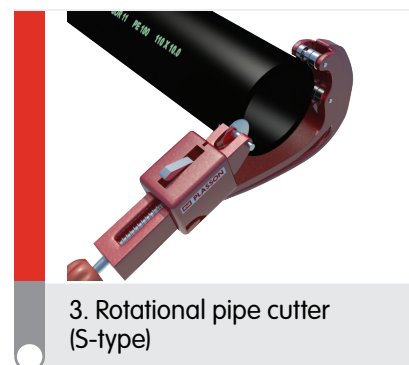
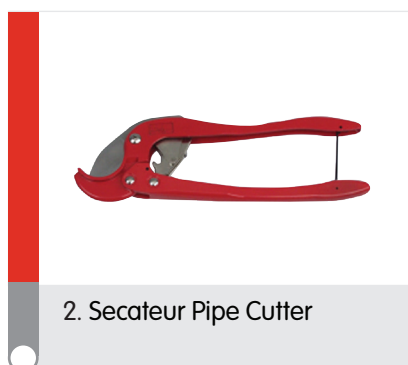
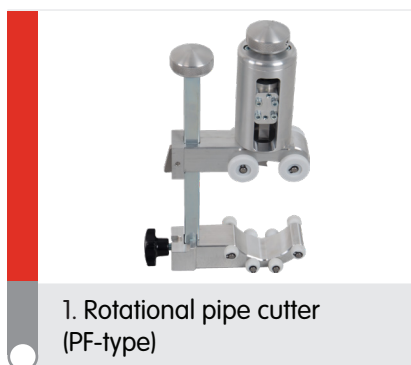


## Pipe Preparation

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.

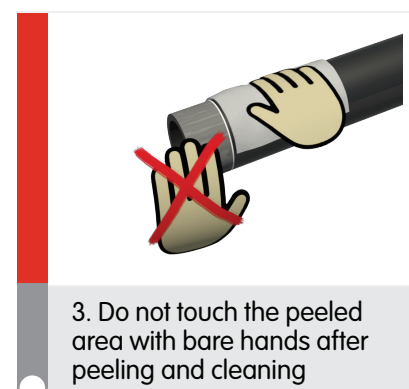
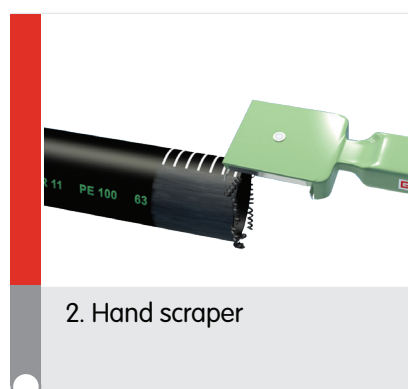
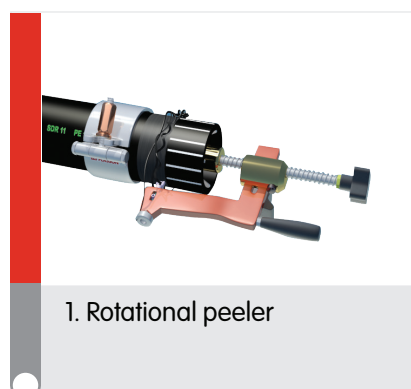
#### Hand scraper

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

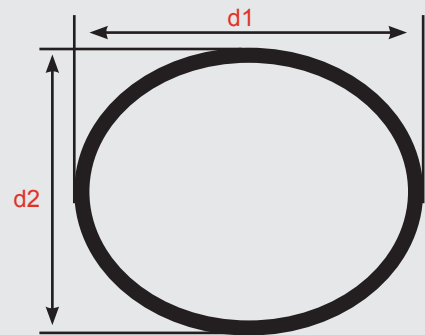
$d1 - d2 < 1.5\% \text{ DN}$  or 3mm (whichever is the smallest value)

### For pipe DN $\geq$ 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) =  $d1 - d2$



d1= max OD of pipe d2= min OD of pipe

## Clamping and alignment:

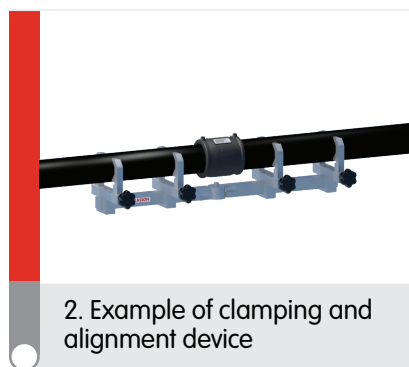
The fitting must be prevented from moving from its position on the pipe during fusion and cooling.

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



1. Misaligned pipes



2. 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.

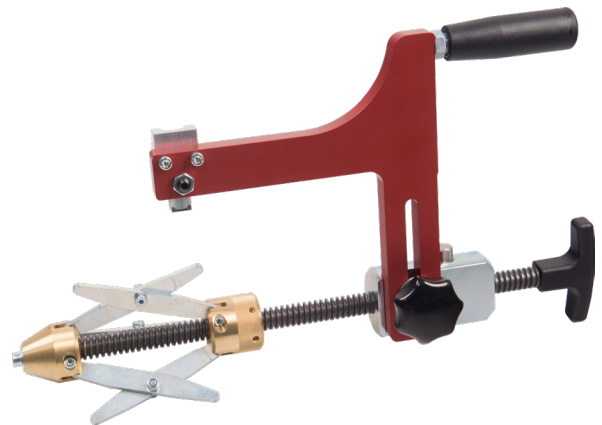
### Peeling

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.

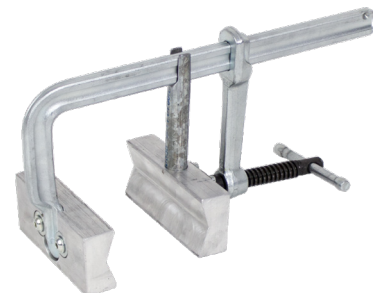


### Rounding and Alignment Clamps

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](http://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.

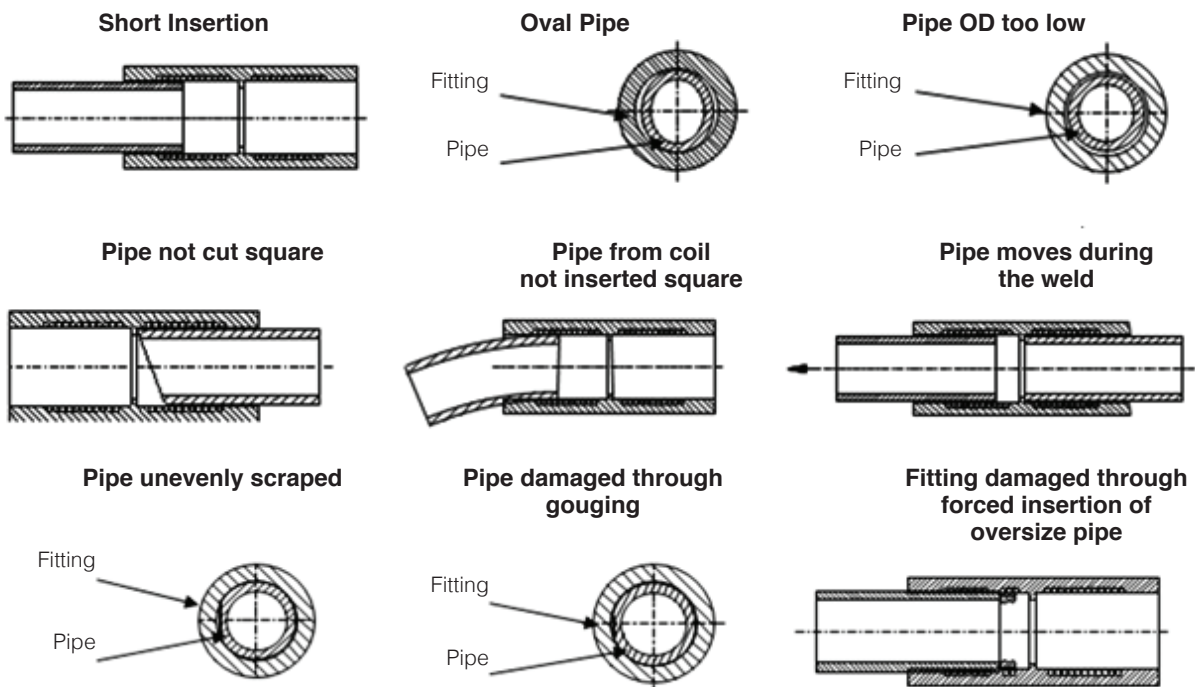
### Benefits include:

- 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 FAULTS



### Please note:

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

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

# 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](mailto: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](mailto: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



	<b>NEW</b>		<b>CODE</b>	<b>PRICE</b>
SmartFuse 180		3M Fixed lead	2001026	2087.11
Monomatic		5M Lead	2001001	4215.28
Monomatic		10M Lead	2001002	4417.77
Monomatic		15M Lead	2001003	4620.24
Polymaticplus USB		5M Lead	2001005	4719.62
Polymatic plus USB		10M Lead	2001006	5015.19
Polymaticplus USB		15M Lead	2001007	5310.74
PolyControl Plus V2		10M Fixed Lead	2001008	9821.51

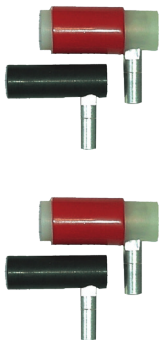
### 2002 - WELDING CABLES & ACCESSORIES



<b>WELDING CABLES FOR MONOMATIC OR DIGIMATIC UNIVERSAL (4.0/4.7MM)</b>	<b>CODE</b>	<b>PRICE</b>
5M Detachable Lead	2002001	657.84
10M Detachable Lead	2002002	860.34
15M Detachable Lead	2002003	1062.81

<b>WELDING CABLES FOR POLYMATIC PLUS USB WITH UNIVERSAL (4.0/4.7MM) (READING PEN SOLD SEPARATELY)</b>	<b>CODE</b>	<b>PRICE</b>
5M Detachable Lead	2002004	696.68
10M Detachable Lead	2002005	992.25
15M Detachable Lead	2002006	1287.81

### 2003 - WELDING TERMINAL PIN ADAPTORS



<b>ADAPTORS</b>	<b>CODE</b>	<b>PRICE</b>
Adaptor 4.0 Lead / 4.7 fitting angle (pair)	2003001	142.90
Adaptor 4.7 Lead / 4.0 fitting angle (pair)	2003002	138.26

<b>SMARTFUSE ADAPTORS</b>	<b>CODE</b>	<b>PRICE</b>
Adaptor 4.7 Lead / 4.7 fitting 90Deg angle For use with Plasson SmartFuse and other fittings	2003003	245.43
Adaptor 4.7 Lead / 4.0 fitting 90Deg angle For use with Plasson SmartFuse and other fittings	2003004	245.43
Adaptor 4.0 Lead / 4.7 fitting 90Deg angle For use with Plasson SmartFuse and other fittings	2003010	216.27

### 2900 - PARTS FOR UNIVERSAL TERMINALS



<b>TIPS</b>	<b>CODE</b>	<b>PRICE</b>
Welding Terminal Sleeve	2900283	8.78
Spring	2900284	7.51
Welding Terminal - Standard	2900285	17.09
Welding Terminal - SmartFuse	2900289	53.14

Net price. No discount applicable.

## TOOLING

### 2002 - BAR CODE READERS AND ACCESSORIES



READING PENS	CODE	PRICE
Reading Pen 2DL (incl. Reading pen cable)	2002013	575.44
Barcode Scanner Touch ID (Cable & Hooded BAG)	2002015	1831.89
TRANSPORT CASE	CODE	PRICE
Orange Transport Case (Monomatic/ Digimatic/ Polymatic Plus)	2002017	200.26
Flight Case (Monomatic/ Digimatic/ Polymatic Plus)	2002016	384.24
Flight Case (Polycontrol Plus V2)	2002037	594.65
RULING AND MARKING	CODE	PRICE
Magnetic Circular Pipe Ruler	2003006	178.55
Pi-Meter 20-700mm with Vernier 0.1mm	2003007	337.79
Pi-Meter 20-1200mm with Vernier 0.1mm	2003008	422.24
MARKING PENS	CODE	PRICE
Marking pens broad white (12pens/1box)	2002032	5.03
Marking pens fine white (12pens/1box)	2002033	3.65

### 2004 - PIPE CUTTING



SECATEUR PIPE CUTTER	CODE	PRICE
Pipe Cutter up to 63mm (Single Hand)	2004001	202.84
Pipe Cutter Spare Blade for 63mm (Single Hand)	2004002	91.29
Pipe Cutter up to 63mm (Two Hand Use) Spare Blade	2004003	91.29
ROTATIONAL PIPE CUTTER (S-TYPE)	CODE	PRICE
Rotational Pipe Cutter 20-75mm	2004004	253.56
Rotational Pipe Cutter Spare Blade 20-75mm	2004005	60.86
Rotational Pipe Cutter 50-140mm	2004006	294.90
Rotational Pipe Cutter 90-160mm	2004007	405.67
Rotational Pipe Cutter Spare Blade 140/160mm	2004008	76.07
ROTATIONAL PIPE CUTTER	CODE	PRICE
Rotational Pipe Cutter 32-125mm	2004009	1401.73
Rotational Pipe Cutter Blade 32-125mm	2004010	329.61
Rotational Pipe Cutter 90-315mm	2004011	2704.49
Rotational Pipe Cutter Blade 90-315mm - cement carbide	2004012	329.61
ROTARY CIRCULAR SAW KIT	CODE	PRICE
180-400mm (Max. Cutting Depth 38mm)	2004018	6861.20
250-500mm (Max. Cutting Depth 65mm)	2004015	14830.32
500-1200mm (Max. Cutting Depth 85mm)	2004016	15634.57

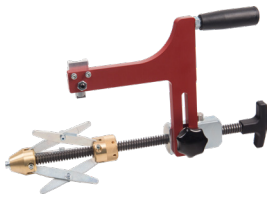
## TOOLING

### 2006 - SCRAPING TOOLS



HAND SCRAPER	CODE	PRICE
Hand Scraper - Small 1.1/2"	2006001	34.51
Blades for Small Hand Scraper (2)	2006002	22.51
Hand Scraper - Large 2.1/2"	2006003	48.68
Blades for Large Hand Scraper (2)	2006004	27.51

### 2006 - PIPE END PEELING TOOLS



PIPE END PEELER TOOL	CODE	PRICE
Pipe End Peeler Tool 63-200mm	2006017	1359.01
Pipe End Peeler Tool 90-315mm	2006018	1692.14
Pipe End Peeler Tool 180-400mm	2006019	2231.20
Rotational Pipe End Peeler 90-315mm (PE-X) 3-way rails	2006074	1924.80
Rotational Pipe End Peeler 180-400mm (PE-X) 3-way rails	2006075	2122.41
Spare Blade for Pipe End Peeler 63-200 (0.2mm peeling depth)	2006020	166.32
Spare Blade for Pipe End Peeler 90-315/180-400 (0.3mm peeling depth)	2006029	166.32



DRILL POWERED PIPE END PEELER	CODE	PRICE
Pipe End Peeler Drill Powered C/W Mandrels 25/32/40/50/63/75 SDR11 Incl Bosch Drill & Case*	2006035	1421.78
Mandrel 20mm SDR11 and series 2 gas	2006038	50.92
Mandrel 25mm SDR11 and series 2 gas	2006073	50.92
Mandrel 32mm SDR11	2006058	81.58
Mandrel 32mm SDR17	2006067	81.58
Mandrel 40mm SDR9	2006076	96.87
Mandrel 40mm SDR11	2006059	96.87
Mandrel 40mm SDR13.6	2006072	96.87
Mandrel 40mm SDR17	2006068	96.87
Mandrel 50mm SDR11	2006060	107.07
Mandrel 50mm SDR17	2006069	107.07
Mandrel 63mm SDR7.4	2006077	132.56
Mandrel 63mm SDR11	2006061	132.56
Mandrel 63mm SDR17	2006070	132.56
Mandrel 75mm SDR7.4	2006078	169.95
Mandrel 75mm SDR11	2006062	169.95
Mandrel 75mm SDR17	2006071	169.95

**NEW**

\* 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

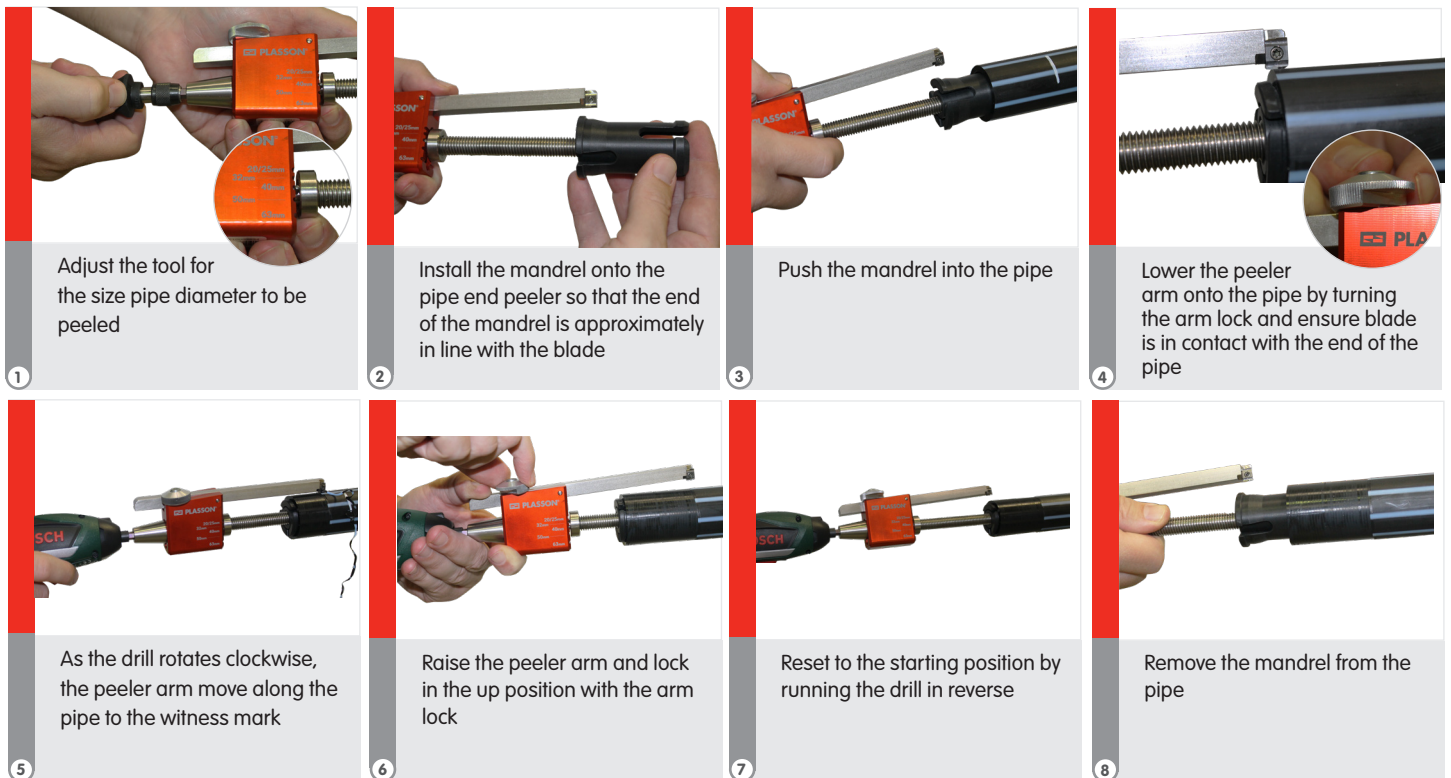


The Plasson Drill Powered Pipe End Peeler is the first of its kind on the market for consistent peeling of small bore polyethylene pipes. The peeler uses the innovative blade from our larger peeling tools to prepare the pipe surface for a successful electrofusion welding.

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



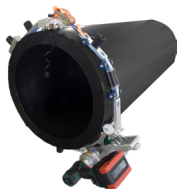
UNI-PEELER	NEW	CODE	PRICE
Uni size peeler DN63		2006051	933.59
Uni size peeler DN75		2006052	933.59
Uni size peeler DN90		2006039	933.59
Uni size peeler DN110		2006040	933.59
Uni size peeler DN125		2006041	933.59
Uni size peeler DN140		2006042	981.33
Uni size peeler DN160		2006043	981.33
Uni size peeler DN180		2006044	952.75
Uni size peeler DN200		2006045	1050.29
Uni size peeler DN225		2006046	1050.29
Carbide blade - 2mm Blade for Uni-Peeler 63-180mm		2006012	141.98
Carbide blade - 3mm for Blade Uni-Peeler 200-225mm		2006016	172.42



ROTATIONAL PEELER	CODE	PRICE
Rotational Pipe Peeler 20-63	2006013	1012.00
Rotational Pipe Peeler Tool 20-125mm	2006014	1419.87
Carbide blade - Rotational Peelers 20-63 & 20-125	2006012	141.98
Rotational Pipe Peeler Tool 90-315mm	2006015	3164.26
Carbide blade - Rotational Peeler 90-315	2006016	172.42



ROTATIONAL CHAIN PEELER	CODE	PRICE
Rotational Peeler Tool 250-450mm	2006021	4219.00
Rotational Peeler Tool 250-800mm	2006022	5679.42
Extension Links 900-1000mm for Rotational Chain Peeler 250-800mm	2006023	1190.29
Rotational Peeler Tool 800-1200mm	2006024	7707.79
Carbide blade - Rotational Chain Peeler 800/1200	2006016	172.42



BATTERY POWERED CHAIN PEELER - SELF DRIVEN	NEW	CODE	PRICE
400-800mm (cordless) Including 2 Batteries and 1 Charger 230V - Spare Blade 2006016		2006047	11260.04
Extension 900-1000mm for 400-800mm unit		2006050	627.31
800-1200mm (cordless) Including 2 Batteries and 1 Charger 230V		2006048	13030.47
Carbide blade - Rotational Chain Peeler 800/1200		2006016	172.42



POWERED PEELERS	CODE	PRICE
Electrical Saddle Peeler (230V)-(In 1450W out 830W) (230V) ≥ 110mm pipes. Cordless available on request (18V)	2012003	3377.84



CHAMFER / BEVELER	CODE	PRICE
<b>RI Pipe Beveler 40-315 mm</b> 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	422.75
RI Pipe Beveler Spare Blade	2006025	35.42

## TOOLING

### 2008 - REROUNDING TOOLS



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

REROUNDING CLAMP 32-63MM	CODE	PRICE
40mm (incl. adaptor for 32mm)	2008001	434.29
63mm (incl. adaptor for 50mm)	2008002	575.84

REROUNDING CLAMP 63-400MM	CODE	PRICE
63-180mm (Deforming force 0.85 tonne) (SET) Incl. Wooden Transport Case*	2008003	974.76
110-250mm (Deforming force 1.2 tonne)	2008004	1222.21
180-315mm (Deforming force 2.2 tonne)	2008005	1984.88
250-400mm (Deforming force 3.5 tonne)	2008006	2480.30

\*This item is already supplied as a pair.

REROUNDING RING 63-280MM	CODE	PRICE
63mm	2008007	193.03
75mm	2008008	221.17
90mm	2008009	229.22
110mm	2008010	249.31
125mm	2008011	265.41
140mm	2008012	277.47
160mm	2008013	305.61
180mm	2008014	333.77
200mm	2008015	353.88
225mm	2008016	422.24
250mm (Heavy Duty)	2008017	715.79
280mm	2008018	1123.94



HYDRAULIC ROUNDING SHELL	CODE	PRICE
<b>315-400mm</b>		
Hydraulic Jack (315-400)	2008019	1971.11
Rounding Shell 315mm (without jack)	2008020	2459.07
Rounding Shell 355mm (without jack)	2008021	2597.40
Rounding Shell 400mm (without jack)	2008022	2735.73
<b>450-630mm</b>		
Hydraulic Jack (450-630)	2008023	2288.12
Rounding Shell 450mm (without jack)	2008024	3050.79
Rounding Shell 500mm (without jack)	2008025	3143.00
Rounding Shell 560mm (without jack)	2008026	3373.54
Rounding Shell 630mm (without jack)	2008027	3573.36
<b>710-900mm</b>		
Hydraulic Jack (710-900)	2008028	2772.25
Rounding Shell 710mm (without jack)	2008029	7377.20
Rounding Shell 800mm (without jack)	2008030	7761.43
Rounding Shell 900mm (without jack)	2008031	7991.98



HYDRAULIC STRAP ROUNDER	CODE	PRICE
450-710mm	2008048	6184.26
Extension 800-1200mm	2008049	2927.46
450-1200mm	2008050	9111.72



MECHANICAL ROUNDING TOOL	CODE	PRICE
450-560mm	2008033	2855.09
630-710mm	2008034	3289.38



## TOOLING

### 2008 - REROUNDING TOOLS CONT.



POST SQUEEZE OFF REROUNDING SHELL 63-225MM	CODE	PRICE
Used to round pipe after squeezing		
63mm	2008035	454.41
75mm	2008036	486.57
90mm	2008037	506.69
110mm	2008038	550.92
125mm	2008039	571.02
0140mm	2008040	623.30
160mm	2008041	655.47
180mm	2008042	824.35
200mm	2008043	888.69
225mm	2008044	961.08

### 2009 - SQUEEZE OFF TOOLS



	CODE	PRICE
<b>50NB (Gas Services)</b> 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	658.80
<b>16-63mm</b> Suits SDR11 16/20, 25, 32, 40, 50, 63mm & SDR17 63mm Squeeze off is affected by turning the handle in a clockwise direction.	2009002	527.38
<b>63-200mm (Excl. 140mm)</b> 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	2898.96

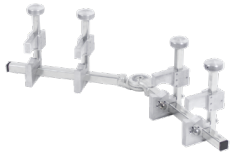
### 2010 - DEBEADING TOOLS



	CODE	PRICE
External Bead Remover EBR 25-90mm	2010001	3106.30
External Bead Remover (Chain) 90-315mm	2010002	3217.00
External Bead Remover Extension Chain 355-630mm	2010003	1978.45

## TOOLING

### 2007 - PIPE CLAMPING



#### ALIGNMENT CLAMPS

##### 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.

##### 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.

##### 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.

#### CODE

2007001

2007002

2007011

#### PRICE

1296.45

1798.87

2107.13

#### STRAP CLAMPS

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

3004.98

##### Pipe Clamp 250-800mm

With 2 fixed clamps, 2 clamps required

2007006

6238.29

##### 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

8120.21

##### Pipe Support

Pipe support to 225mm

2007008

998.96

# Plasson's New XL Welding Wipes

## Super clean surfaces for successful electrofusion jointing



Plasson's new 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.

PLASSON XL PIPEWIPES	CODE	PRICE
Plasson XL Pipewipes	2005017	26.88

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.

### 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**



**WASTE WATER SADDLE INSTALLATION TOOLS**

**CODE**

**PRICE**

**Waste Water 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

2211.68



**Tool for Waste Water 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

3212.71



**FLEX RESTRAINT**

**CODE**

**PRICE**

Flex Restraint installation clamp up to 900mm

2012005

515.62

Flex Restraint installation clamp up to 1200mm

2012061

515.62

Flex Restraint installation clamp up to 1600mm

2012062

585.32



**SENSOR ADAPTOR**

**CODE**

**PRICE**

Sensor Adaptor Tool with Plastic Adaptor Plates

2015002

1045.52



## 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	PRICE
<b>L Saddle outlet 90-160mm</b> Includes - Splittable plates: 90/110/125/160mm - Pressure Test Spigot Removal Tool - Rounding Ring suits 90/110/125/160 - Transport Case	2012001	6731.54
<b>XL Saddle outlet 180-200mm</b> Includes - Splittable Plate: 180/200mm - Reductions 180mm, 200mm and 225mm for Rounding Ring 250mm - Transport Case - Tensioning Tool Kit required 2012020	2012040	5498.10
<b>XL Saddle outlet 225-250mm</b> Includes - Splittable Plate: 225/250mm - Rounding Ring 250mm - Reduction 225mm for Rounding Ring 250mm - Transport Case - Tensioning Tool Kit required 2012020	2012018	4779.99
<b>XXL Saddle outlet 280-315mm</b> Includes - Splittable Plate: 280/315mm - Pressing Tool 280mm - Pressing Tool 315mm - Transport Case - Tensioning Tool Kit required 2012020	2012029	4410.20
<b>XXL Saddle outlet 355-400mm</b> Includes - Splittable Plate: 355/400mm - Pressing Tool 355mm - Pressing Tool 400mm - Transport Case - Tensioning Tool Kit required 2012020	2019019	4410.20

TENSIONING TOOL KIT for outlet sizes 180-400mm	CODE	PRICE
Straps for clamping all Clamp Kits 180-1200mm Includes: - 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	5322.66

## TOOLING

### 2012 - LARGE BORE SADDLE INSTALLATION TOOLS



#### SUPPORT BAR FOR LARGE BORE REPAIR SADDLE 250-900MM

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

CODE

2012035

PRICE

234.58



#### SADDLE PRESSURE TEST ADAPTOR

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

CODE

2012038

PRICE

77.19

#### PRESSURE TEST PIPE REMOVAL TOOL

Pressure Test Pipe Removal Tool for Plasson Saddle

CODE

2012010

PRICE

166.70



#### CORE CUTTERS

##### 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

CODE

2012002

PRICE

5125.22

##### Saddle outlet 180mm

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

2012050

1129.17

##### Saddle outlet 200mm

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

2012037

1129.17

##### Saddle outlet 225mm

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

2012044

1286.80

##### Saddle outlet 250mm

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

2012015

1596.80

##### Saddle outlet 280mm

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

2012051

1742.54

##### Saddle outlet 315mm

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

2012028

1642.02

##### Saddle outlet 355mm

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

2012052

1969.06

##### Saddle outlet 400mm

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

2012022

2148.08

## 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	PRICE
90-250mm Outlets. BE75-X3 Quick	2012016	3089.04
250-400mm Outlet Motor	2012031	9131.57

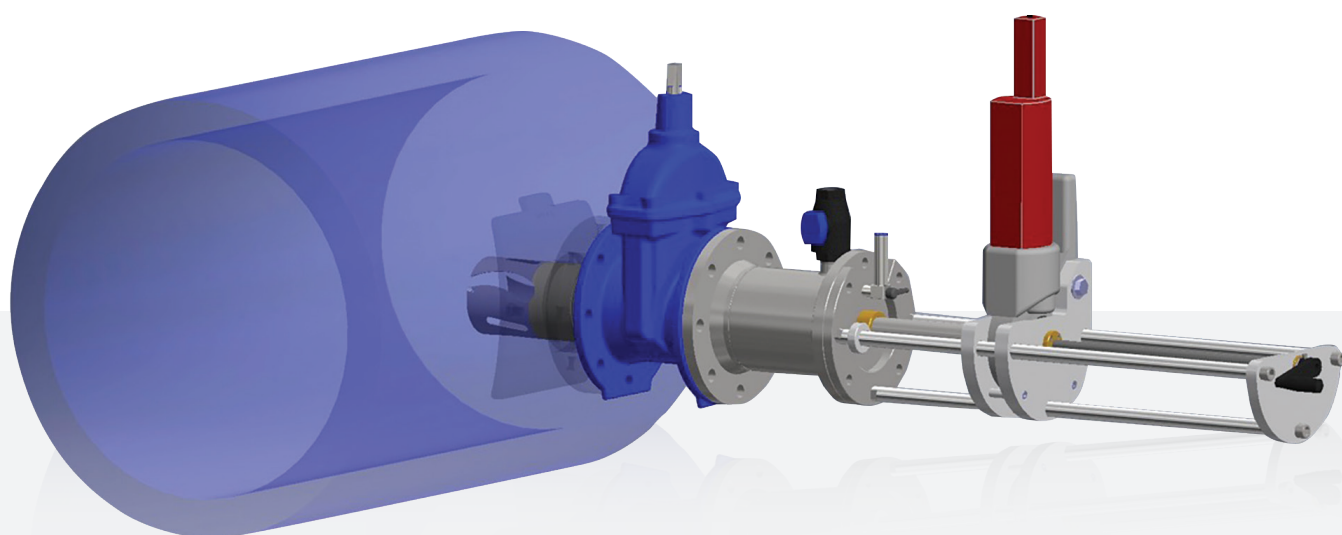
MOTOR MOUNTING CLAMP	CODE	PRICE
250mm Motor Mounting Clamp	2012032	1340.42
315mm Motor Mounting Clamp	2012033	1943.61
355mm Motor Mounting Clamp for XXL Driller	2012060	2195.60
400mm Motor Mounting Clamp	2012034	2010.62

POWERED PEELERS	CODE	PRICE
Electrical Saddle Peeler (230V)-(In 1450W out 830W) (230V) ≥ 110mm pipes. Cordless available on request (18V).	2012003	3377.84

 **PLASSON**®

**NEW**

# 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.

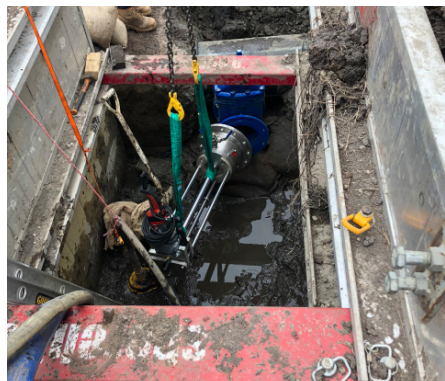
The installation into the existing main was underneath the water table, so continuous pumping was necessary to be able to conduct the weld and perform the hot tapping. The Plasson Large Bore Saddle 630-500mm x 250mm was installed in place with minimal digging and lightweight equipment.

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.



*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.*

## 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

# Authorised Service Centres

## Eastern Australia

### **Plasson Australia**

49 Distribution St  
Larapinta QLD 4110  
**P** 1300 752 776  
**F** 1300 248 027  
**E** [service@plasson.com.au](mailto:service@plasson.com.au)

### **Servicing**

All Control Boxes and Tooling

## Western Australia

### **GTI Process Controls**

Unit 13/9 Ambitious Link  
Bibra Lake WA 6163  
**P** +61 8 9434 3675  
**F** +61 8 9434 3670  
**E** [service@gti-pc.com.au](mailto: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](mailto:sales@enviropipes.com.au)

### **Servicing**

All Control Boxes

 **PLASSON**®

# **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](http://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.

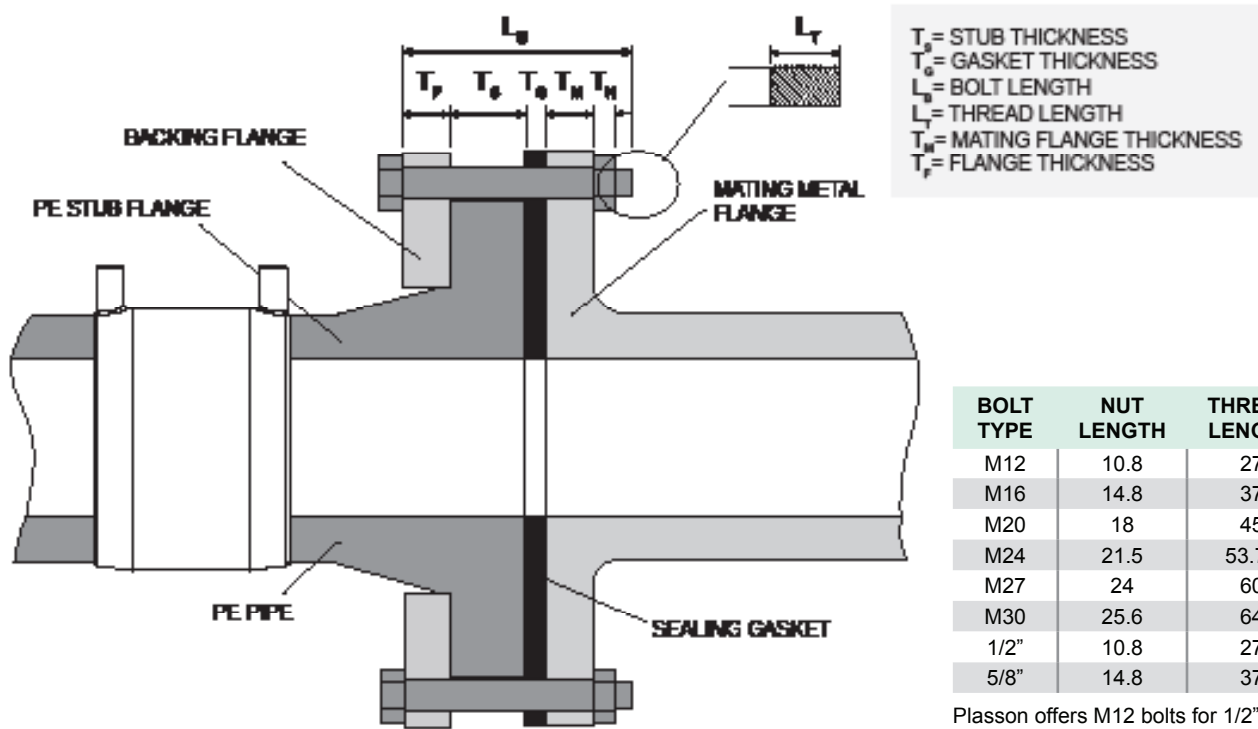
Backed with Plasson technical, sales and logistics support you will get the right SIMONA® Product, where and when you need it!

Trust the SIMONA and Plasson partnership!



**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<sub>s</sub>), Flange (T<sub>f</sub>) and Gasket (T<sub>g</sub>) 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.

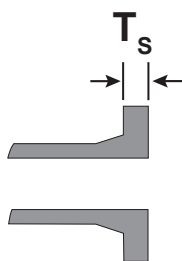
The minimum length of the stud is determined by the same method as for bolts.

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**

**STUB FLANGE FOR ISO/DIN/AS, LONG SPIGOT**



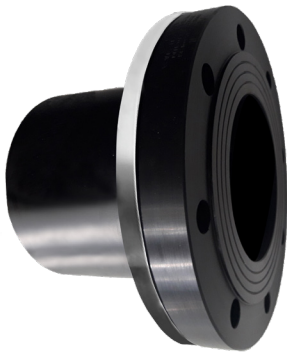
SIZE	THICKNESS (T <sub>s</sub> )	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
20	9	INJECTED	11	-	8194035	7.39
25	9	INJECTED	11	-	8194036	7.58
32	10	INJECTED	11	-	8194001	8.82
40	11	INJECTED	11	-	8194002	10.38
50	12	INJECTED	11	-	8194003	13.25
63	14	INJECTED	11	-	8194004	15.45
75	16	INJECTED	11	-	8194005	19.47
90	17	INJECTED	11	-	8194006	25.54
110	18	INJECTED	11	-	8194007	31.89
125	25	INJECTED	11	-	8194008	39.34
140	25	INJECTED	11	-	8194009	50.41
160	25	INJECTED	11	-	8194010	56.35
180	30	INJECTED	11	-	8194011	88.65
200	32	INJECTED	11	-	8194012	101.21
225	32	INJECTED	11	-	8194013	108.86
250	35	INJECTED	11	-	8194014	167.05
280	35	INJECTED	11	-	8194015	220.79
315	35	INJECTED	11	-	8194016	280.08
355	40	INJECTED	11	-	8194017	484.46
400	46	INJECTED	11	-	8194018	854.42
450	60	ELONGATED	11	-	8100515	1743.22
500	60	ELONGATED	11	-	8100516	2257.41
560	60	ELONGATED	11	-	8100517	2420.15
630	60	ELONGATED	11	-	8100518	2426.57
50	12	INJECTED	17	-	8194019	13.11
63	14	INJECTED	17	-	8194020	15.45
75	16	INJECTED	17	-	8194021	19.47
90	17	INJECTED	17	-	8194022	25.40
110	18	INJECTED	17	-	8194023	31.68
125	18	INJECTED	17	-	8194024	39.21
140	18	INJECTED	17	-	8194025	50.41
160	18	INJECTED	17	-	8194026	56.96
180	20	INJECTED	17	-	8194027	89.20
200	24	INJECTED	17	-	8194028	100.67
225	24	INJECTED	17	-	8194029	108.86
250	25	INJECTED	17	-	8194030	131.54
280	25	INJECTED	17	-	8194031	198.74
315	25	INJECTED	17	-	8194032	260.67
355	30	INJECTED	17	-	8194033	450.80
400	33	INJECTED	17	-	8194034	795.13
450	60	ELONGATED	17	-	8100519	1519.24
500	60	ELONGATED	17	-	8100520	1828.87
560	60	ELONGATED	17	-	8100521	1960.81
630	60	ELONGATED	17	-	8100522	2356.50

# New Product

## PE Full Face Flanges

for **MAXIMUM** strength & sealing

**Injection moulded**



Injection moulding ensures the fittings are:

- Dimensionally correct every time
- Have a superior surface finish
- Lowest levels of material stress

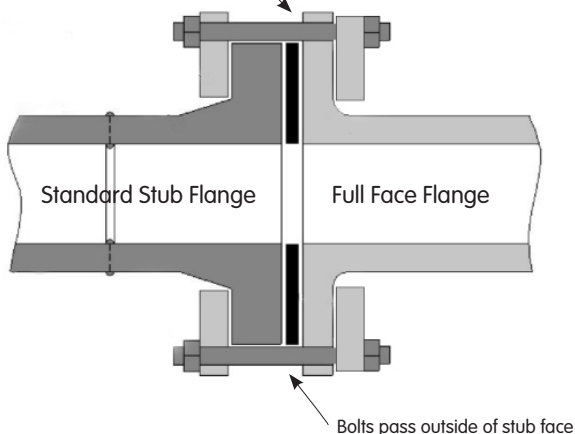
### Key Features

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



CODE	DESCRIPTION	Price
8194100	PE Full Face Flange 125 cw 4" AS4087 PN16 SS Flange	TBA
8194101	PE Full Face Flange 180 cw 6" AS4087 PN16 SS Flange	TBA
8194102	PE Full Face Flange 225 cw 8" AS4087 PN16 SS Flange	TBA

When assembled with a full face flange, the bolts go through the flange face



CODE	DESCRIPTION	Price
4902007	90mm SDR 11 Full Face Flange with 3" SS316 Table D/PN16 Backing Ring	253.54



## FITTINGS FOR ELECTROFUSION AND BUTTWELD

### CONCENTRIC REDUCER LONG SPIGOT



SIZE			MANU. METHOD	SDR	BAG QTY	CODE	PRICE
25	x	20	INJECTED	11	-	8100208	5.94
32	x	20	INJECTED	11	-	8100209	6.76
32	x	25	INJECTED	11	-	8100210	6.76
40	x	25	INJECTED	11	-	8100211	9.57
40	x	32	INJECTED	11	-	8100141	9.57
50	x	25	INJECTED	11	-	8100142	11.41
50	x	32	INJECTED	11	-	8100143	11.41
50	x	40	INJECTED	11	-	8100144	11.41
63	x	32	INJECTED	11	-	8100145	15.45
63	x	40	INJECTED	11	-	8100146	15.45
63	x	50	INJECTED	11	-	8100147	15.45
75	x	50	INJECTED	11	-	8100148	23.76
75	x	63	INJECTED	11	-	8100149	23.76
90	x	50	INJECTED	11	-	8100150	23.76
90	x	63	INJECTED	11	-	8100151	32.37
90	x	75	INJECTED	11	-	8100152	32.37
110	x	63	INJECTED	11	-	8100153	43.03
110	x	75	INJECTED	11	-	8100154	43.03
110	x	90	INJECTED	11	-	8100155	43.03
125	x	63	INJECTED	11	-	8100156	51.96
125	x	90	INJECTED	11	-	8100157	51.96
125	x	110	INJECTED	11	-	8100158	51.96
140	x	90	INJECTED	11	-	8100159	74.72
140	x	110	INJECTED	11	-	8100160	74.72
140	x	125	INJECTED	11	-	8100161	74.72
160	x	90	INJECTED	11	-	8100162	99.98
160	x	110	INJECTED	11	-	8100163	99.98
160	x	125	INJECTED	11	-	8100164	99.98
160	x	140	INJECTED	11	-	8100165	99.98
180	x	90	INJECTED	11	-	8100166	111.72
180	x	110	INJECTED	11	-	8100167	111.72
180	x	125	INJECTED	11	-	8100168	111.72
180	x	160	INJECTED	11	-	8100169	121.43
200	x	140	INJECTED	11	-	8100170	141.37
200	x	160	INJECTED	11	-	8100171	141.37
200	x	180	INJECTED	11	-	8100172	141.37
225	x	160	INJECTED	11	-	8100173	233.71
225	x	180	INJECTED	11	-	8100174	233.71
225	x	200	INJECTED	11	-	8100175	233.71
250	x	160	INJECTED	11	-	8100176	317.63
250	x	180	INJECTED	11	-	8100177	332.32
250	x	200	INJECTED	11	-	8100178	332.32
250	x	225	INJECTED	11	-	8100179	332.32
280	x	200	INJECTED	11	-	8100180	417.27
280	x	225	INJECTED	11	-	8100181	417.27
280	x	250	INJECTED	11	-	8100182	397.53
315	x	225	INJECTED	11	-	8100183	569.29
315	x	250	INJECTED	11	-	8100184	569.29

**FITTINGS FOR ELECTROFUSION AND BUTTWELD**

**CONCENTRIC REDUCER LONG SPIGOT CONT.**



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
315 x 280	INJECTED	11	-	8100185	569.29
355 x 250	MACHINED	11	-	8100186	1205.71
355 x 280	MACHINED	11	-	8100187*	1206.05
355 x 315	MACHINED	11	-	8100188	1206.05
400 x 280	MACHINED	11	-	8100189*	1762.97
400 x 315	MACHINED	11	-	8100190	1308.02
400 x 355	MACHINED	11	-	8100191*	1255.43
450 x 280	MACHINED	11	-	8100192*	2657.80
450 x 315	MACHINED	11	-	8100193	2553.11
450 x 355	MACHINED	11	-	8100194	1853.45
450 x 400	MACHINED	11	-	8100195	1748.63
500 x 315	MACHINED	11	-	8100196	3434.43
500 x 355	MACHINED	11	-	8100197	3329.60
500 x 400	MACHINED	11	-	8100198	2779.17
500 x 450	MACHINED	11	-	8100199	2674.19
560 x 355	MACHINED	11	-	8100200*	5656.52
560 x 400	MACHINED	11	-	8100201	5128.07
560 x 450	MACHINED	11	-	8100202*	5022.90
560 x 500	MACHINED	11	-	8100203*	3950.03
630 x 400	MACHINED	11	-	8100204*	6472.06
630 x 450	MACHINED	11	-	8100205*	6472.06
630 x 500	MACHINED	11	-	8100206*	5144.32
630 x 560	MACHINED	11	-	8100207*	5217.88
63 x 32	INJECTED	17	-	8149105*	14.70
63 x 50	INJECTED	17	-	8149107*	15.45
75 x 63	INJECTED	17	-	8149108	23.76
90 x 63	INJECTED	17	-	8149110	32.37
90 x 75	INJECTED	17	-	8149111	32.37
110 x 63	INJECTED	17	-	8149112	43.03
110 x 75	INJECTED	17	-	8149113*	43.03
110 x 90	INJECTED	17	-	8149114	43.03
125 x 63	INJECTED	17	-	8149115	51.96
125 x 90	INJECTED	17	-	8149116	51.96
125 x 110	INJECTED	17	-	8149117	51.96
140 x 90	INJECTED	17	-	8149118*	74.72
140 x 110	INJECTED	17	-	8149119*	74.72
140 x 125	INJECTED	17	-	8149120	74.72
160 x 90	INJECTED	17	-	8149121	99.98
160 x 110	INJECTED	17	-	8149122	99.98
160 x 125	INJECTED	17	-	8149123	99.98
160 x 140	INJECTED	17	-	8149124	99.98
180 x 90	INJECTED	17	-	8149125*	111.72

\*Available on request

**FITTINGS FOR ELECTROFUSION AND BUTTWELD**

**CONCENTRIC REDUCER LONG SPIGOT CONT.**



SIZE			MANU. METHOD	SDR	BAG QTY	CODE	PRICE
180	x	110	INJECTED	17	-	8149126	111.72
180	x	125	INJECTED	17	-	8149127	111.72
180	x	140	INJECTED	17	-	8149128*	121.43
180	x	160	INJECTED	17	-	8149129	121.43
200	x	140	INJECTED	17	-	8149130*	141.37
200	x	160	INJECTED	17	-	8149131	141.37
200	x	180	INJECTED	17	-	8149132*	141.37
225	x	140	INJECTED	17	-	8149133	226.86
225	x	160	INJECTED	17	-	8149134	226.86
225	x	180	INJECTED	17	-	8149135	226.86
225	x	200	INJECTED	17	-	8149136*	226.86
250	x	160	INJECTED	17	-	8149137	308.35
250	x	180	INJECTED	17	-	8149138	322.69
250	x	200	INJECTED	17	-	8149139	322.69
250	x	225	INJECTED	17	-	8149140	322.69
280	x	200	INJECTED	17	-	8149141*	405.12
280	x	225	INJECTED	17	-	8149142*	405.12
280	x	250	INJECTED	17	-	8149143*	385.92
315	x	225	INJECTED	17	-	8149144*	552.69
315	x	250	INJECTED	17	-	8149145*	552.69
315	x	280	INJECTED	17	-	8149146*	552.69
355	x	250	MACHINED	17	-	8149147*	1258.63
355	x	280	MACHINED	17	-	8149148*	1206.05
355	x	315	MACHINED	17	-	8149149	1206.05
400	x	280	MACHINED	17	-	8149150*	1762.97
400	x	315	MACHINED	17	-	8149151	1308.02
400	x	355	MACHINED	17	-	8149152	1255.43
450	x	280	MACHINED	17	-	8149153*	2657.80
450	x	315	MACHINED	17	-	8149154	2553.11
450	x	355	MACHINED	17	-	8149155	1853.45
450	x	400	MACHINED	17	-	8149156	1748.63
500	x	315	MACHINED	17	-	8149157	3434.43
500	x	355	MACHINED	17	-	8149158*	3329.60
500	x	400	MACHINED	17	-	8149159	2779.17
500	x	450	MACHINED	17	-	8149160*	2674.19
560	x	355	MACHINED	17	-	8149161	5656.52
560	x	400	MACHINED	17	-	8149162*	5128.07
560	x	450	MACHINED	17	-	8149163*	5022.90
560	x	500	MACHINED	17	-	8149164*	3950.03
630	x	400	MACHINED	17	-	8149165*	6472.06
630	x	450	MACHINED	17	-	8149166*	6472.06
630	x	500	MACHINED	17	-	8149167*	5144.32
630	x	560	MACHINED	17	-	8149168*	5217.88

\*Available on request

FITTINGS FOR ELECTROFUSION AND BUTTWELD

TEE LONG SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
20	INJECTED	11	-	8103083	9.35
25	INJECTED	11	-	8103084	10.79
32	INJECTED	11	-	8103053	12.77
40	INJECTED	11	-	8103054	15.37
50	INJECTED	11	-	8103055	20.35
63	INJECTED	11	-	8103056	27.74
75	INJECTED	11	-	8103057	42.15
90	INJECTED	11	-	8103058	64.75
110	INJECTED	11	-	8103059	91.79
125	INJECTED	11	-	8103060	129.56
140	INJECTED	11	-	8103061	195.60
160	INJECTED	11	-	8103062	226.94
180	INJECTED	11	-	8103063	320.98
200	INJECTED	11	-	8103064	462.08
225	INJECTED	11	-	8103065	547.30
250	INJECTED	11	-	8103066	776.96
280	INJECTED	11	-	8103067	998.99
315	INJECTED	11	-	8103068	1492.26
355	INJECTED	11	-	8193001	1942.30
400	INJECTED	11	-	8193002*	2902.69
450	INJECTED	11	-	8193003*	4104.78
500	INJECTED	11	-	8193004	5214.53
560	INJECTED	11	-	8100546	6392.07
630	INJECTED	11	-	8100547	8705.03
50	INJECTED	17	-	8103069	19.26
63	INJECTED	17	-	8103070	24.25
75	INJECTED	17	-	8103071	36.34
90	INJECTED	17	-	8103072	55.04
110	INJECTED	17	-	8103073	78.27
125	INJECTED	17	-	8103074	110.09
140	INJECTED	17	-	8103075	167.25
160	INJECTED	17	-	8103076	194.02
180	INJECTED	17	-	8103077	273.10
200	INJECTED	17	-	8103078	390.16
225	INJECTED	17	-	8103079	464.80
250	INJECTED	17	-	8103080	561.16
280	INJECTED	17	-	8103081	851.06
315	INJECTED	17	-	8103082	1088.45
355	INJECTED	17	-	8193005*	1579.27
400	INJECTED	17	-	8193006*	2174.02
450	INJECTED	17	-	8193007*	3189.65
500	INJECTED	17	-	8193008*	4106.15
560	INJECTED	17	-	8100544	5434.65
630	INJECTED	17	-	8100545	6906.86

\*Available on request

**FITTINGS FOR ELECTROFUSION AND BUTTWELD**

**REDUCING TEE LONG SPIGOT**



SIZE			MANU. METHOD	SDR	BAG QTY	CODE	PRICE
63	x	50	INJECTED	11	-	8135030*	30.40
75	x	32	INJECTED	11	-	8135031*	47.40
75	x	50	INJECTED	11	-	8135032*	47.40
75	x	63	INJECTED	11	-	8135033*	48.08
90	x	50	INJECTED	11	-	8135021	62.49
90	x	63	INJECTED	11	-	8135022	67.06
90	x	75	INJECTED	11	-	8135034*	67.48
110	x	63	INJECTED	11	-	8135023	99.30
110	x	75	INJECTED	11	-	8135035*	105.86
110	x	90	INJECTED	11	-	8135024	124.84
125	x	110	INJECTED	11	-	8135036*	138.08
160	x	63	INJECTED	11	-	8135037	270.71
160	x	75	INJECTED	11	-	8135038*	273.04
160	x	90	INJECTED	11	-	8135025	273.04
160	x	110	INJECTED	11	-	8135026	279.80
180	x	160	INJECTED	11	-	8135039*	376.57
200	x	90	INJECTED	11	-	8223001*	523.46
200	x	110	INJECTED	11	-	8223002*	535.28
200	x	160	INJECTED	11	-	8223003*	573.52
225	x	75	INJECTED	11	-	8135040	607.68
225	x	90	INJECTED	11	-	8135027	631.70
225	x	110	INJECTED	11	-	8135028	636.49
225	x	160	INJECTED	11	-	8135029	638.40
225	x	180	INJECTED	11	-	8135041	640.72
250	x	110	INJECTED	11	-	8223007*	761.06
250	x	160	INJECTED	11	-	8223008*	775.88
315	x	110	INJECTED	11	-	8223005*	1840.69
315	x	160	INJECTED	11	-	8223006*	1855.78
315	x	250	INJECTED	11	-	8223004*	1885.49
63	x	50	INJECTED	17	-	8135051*	28.00
75	x	50	INJECTED	17	-	8135052*	42.49
75	x	63	INJECTED	17	-	8135053*	42.83
90	x	50	INJECTED	17	-	8135044	56.15
90	x	63	INJECTED	17	-	8135045	59.77
90	x	75	INJECTED	17	-	8135054*	60.79
110	x	63	INJECTED	17	-	8135046	88.99
110	x	75	INJECTED	17	-	8135055*	104.56
110	x	90	INJECTED	17	-	8135047	114.26
125	x	110	INJECTED	17	-	8135056*	123.34
160	x	63	INJECTED	17	-	8135057	243.68
160	x	75	INJECTED	17	-	8135058*	251.11
160	x	90	INJECTED	17	-	8135048	251.11
160	x	110	INJECTED	17	-	8135049	253.37
180	x	160	INJECTED	17	-	8135059*	338.60
200	x	90	INJECTED	17	-	8223009*	487.33
200	x	110	INJECTED	17	-	8223010*	516.23
200	x	160	INJECTED	17	-	8223011*	539.04
225	x	75	INJECTED	17	-	8135060*	569.29
225	x	90	INJECTED	17	-	8135050	569.29
225	x	110	INJECTED	17	-	8135042	573.25
225	x	160	INJECTED	17	-	8135043	574.62
225	x	180	INJECTED	17	-	8135061	575.57
250	x	110	INJECTED	17	-	8223014*	613.89
250	x	160	INJECTED	17	-	8223015*	627.14
315	x	110	INJECTED	17	-	8223012*	1546.48
315	x	160	INJECTED	17	-	8223013*	1564.30
315	x	250	INJECTED	17	-	8223016	1594.42

\*Available on request

**FITTINGS FOR ELECTROFUSION AND BUTTWELD**

**45° BRANCHES LONG SPIGOT**



SIZE	MANU. METHOD	SDR	PN RATING	CODE	PRICE
63	INJECTED	11	16	8137001	171.22
75	INJECTED	11	16	8137002	258.50
90	INJECTED	11	16	8137003	399.87
110	INJECTED	11	16	8137004	567.65
63	INJECTED	17	10	8137005	154.21
75	INJECTED	17	10	8137006	232.89
90	INJECTED	17	10	8137007	359.91
110	INJECTED	17	10	8137008	510.90

**90° ELBOW LONG SPIGOT**



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
20	INJECTED	11	-	8192061	8.54
25	INJECTED	11	-	8192062	8.88
32	INJECTED	11	-	8192031	9.42
40	INJECTED	11	-	8192032	12.09
50	INJECTED	11	-	8192033	16.26
63	INJECTED	11	-	8192034	29.29
75	INJECTED	11	-	8192035	38.40
90	INJECTED	11	-	8192036	44.26
110	INJECTED	11	-	8192037	81.40
125	INJECTED	11	-	8192038	103.46
140	INJECTED	11	-	8192039	115.56
160	INJECTED	11	-	8192040	151.62
180	INJECTED	11	-	8192041	170.32
200	INJECTED	11	-	8192042	233.15
225	INJECTED	11	-	8192043	277.42
250	INJECTED	11	-	8192044	461.93
280	INJECTED	11	-	8192045	777.92
315	INJECTED	11	-	8192046	961.70
50	INJECTED	17	-	8192047	13.94
63	INJECTED	17	-	8192048	26.03
75	INJECTED	17	-	8192049	34.91
90	INJECTED	17	-	8192050	39.42
110	INJECTED	17	-	8192051	73.35
125	INJECTED	17	-	8192052	93.43
140	INJECTED	17	-	8192053	114.54
160	INJECTED	17	-	8192054	136.38
180	INJECTED	17	-	8192055	153.39
200	INJECTED	17	-	8192056	209.67
225	INJECTED	17	-	8192057	250.91
250	INJECTED	17	-	8192058	413.45
280	INJECTED	17	-	8192059	623.65
315	INJECTED	17	-	8192060	781.06

**FITTINGS FOR ELECTROFUSION AND BUTTWELD**

**45° ELBOW LONG SPIGOT**



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
20	INJECTED	11	-	8192063	10.05
25	INJECTED	11	-	8192064	10.45
32	INJECTED	11	-	8192001	11.62
40	INJECTED	11	-	8192002	14.49
50	INJECTED	11	-	8192003	16.46
63	INJECTED	11	-	8192004	29.29
75	INJECTED	11	-	8192005	39.34
90	INJECTED	11	-	8192006	44.26
110	INJECTED	11	-	8192007	71.65
125	INJECTED	11	-	8192008	103.46
140	INJECTED	11	-	8192009	115.56
160	INJECTED	11	-	8192010	151.62
180	INJECTED	11	-	8192011	171.96
200	INJECTED	11	-	8192012	234.18
225	INJECTED	11	-	8192013	278.84
250	INJECTED	11	-	8192014	483.38
280	INJECTED	11	-	8192015	729.24
315	INJECTED	11	-	8192016	885.27
50	INJECTED	17	-	8192017	14.49
63	INJECTED	17	-	8192018	26.22
75	INJECTED	17	-	8192019	35.52
90	INJECTED	17	-	8192020	39.42
110	INJECTED	17	-	8192021	64.34
125	INJECTED	17	-	8192022	93.43
140	INJECTED	17	-	8192023	114.54
160	INJECTED	17	-	8192024	136.38
180	INJECTED	17	-	8192025	153.39
200	INJECTED	17	-	8192026	209.67
225	INJECTED	17	-	8192027	250.91
250	INJECTED	17	-	8192028	415.84
280	INJECTED	17	-	8192029	627.55
315	INJECTED	17	-	8192030	780.93

**90° BEND LONG SPIGOT**



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
32	INJECTED	11	-	8191001*	6.84
40	INJECTED	11	-	8191002*	15.03
50	INJECTED	11	-	8191003*	17.76
63	INJECTED	11	-	8191004	30.40
75	INJECTED	11	-	8191005	37.22
90	INJECTED	11	-	8191006	39.34
110	INJECTED	11	-	8191007	62.09
125	INJECTED	11	-	8191008	91.87
140	INJECTED	11	-	8191009	140.28
160	INJECTED	11	-	8191010	147.52
180	INJECTED	11	-	8191011	185.69
200	INJECTED	11	-	8191012	195.39
225	INJECTED	11	-	8191013	259.03
250	INJECTED	11	-	8191014	439.74
280	INJECTED	11	-	8191015	571.14
315	INJECTED	11	-	8191016	790.07
355	INJECTED	11	-	8191035	1792.89
400	INJECTED	11	-	8191036	2366.54
450	INJECTED	11	-	8191031*	3524.05
500	INJECTED	11	-	8191032*	4764.48
50	INJECTED	17	-	8191017*	17.08
63	INJECTED	17	-	8191018	26.50
75	INJECTED	17	-	8191019	33.46
90	INJECTED	17	-	8191020	35.44
110	INJECTED	17	-	8191021	56.00
125	INJECTED	17	-	8191022	82.71

\*Available on request

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

FITTINGS FOR ELECTROFUSION AND BUTTWELD

90° BEND LONG SPIGOT CONT.



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
140	INJECTED	17	-	8191023	126.35
160	INJECTED	17	-	8191024	132.97
180	INJECTED	17	-	8191025	167.25
200	INJECTED	17	-	8191026	176.00
225	INJECTED	17	-	8191027	233.37
250	INJECTED	17	-	8191028	395.68
280	INJECTED	17	-	8191029	513.70
315	INJECTED	17	-	8191030	710.79
355	INJECTED	17.6	-	8191037	1411.70
400	INJECTED	17.6	-	8191038	1939.79
450	INJECTED	17	-	8191033*	2611.57
500	INJECTED	17	-	8191034*	3476.54

For sweep bends DN110-1000 see page 148  
 \*Available on request

END CAP LONG SPIGOT



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
20	INJECTED	11	-	8196011	7.52
25	INJECTED	11	-	8196012	8.28
32	INJECTED	11	-	8139021	10.25
40	INJECTED	11	-	8139022	12.23
50	INJECTED	11	-	8139023	15.57
63	INJECTED	11	-	8139024	20.90
75	INJECTED	11	-	8139025	38.40
90	INJECTED	11	-	8139026	46.85
110	INJECTED	11	-	8139027	59.55
125	INJECTED	11	-	8139028	68.16
140	INJECTED	11	-	8139029	85.85
160	INJECTED	11	-	8139030	89.74
180	INJECTED	11	-	8139031	123.41
200	INJECTED	11	-	8139032	153.94
225	INJECTED	11	-	8139033	183.37
250	INJECTED	11	-	8196001*	211.29
280	INJECTED	11	-	8196002*	297.70
315	INJECTED	11	-	8196003*	407.72
355	INJECTED	11	-	8196004*	662.85
400	INJECTED	11	-	8196005*	1169.52
450	PUPPED	11	-	8100073*	2069.94
500	PUPPED	11	-	8100074*	2441.45
560	PUPPED	11	-	8100075*	2703.22
630	PUPPED	11	-	8100076*	3855.99
50	INJECTED	17	-	8139034	13.86
63	INJECTED	17	-	8139035	20.63
75	INJECTED	17	-	8139036	38.66
90	INJECTED	17	-	8139037	46.65
110	INJECTED	17	-	8139038	59.49
125	INJECTED	17	-	8139039	68.09
140	INJECTED	17	-	8139040	85.04
160	INJECTED	17	-	8139041	89.53
180	INJECTED	17	-	8139042	123.41
200	INJECTED	17	-	8139043	153.53
225	INJECTED	17	-	8139044	183.37
250	INJECTED	17	-	8196006*	211.29
280	INJECTED	17	-	8196007*	297.70
315	INJECTED	17	-	8196008*	407.72
355	INJECTED	17	-	8196009*	662.85
400	INJECTED	17	-	8196010*	1169.52
450	PUPPED	17	-	8100077*	1893.75
500	PUPPED	17	-	8100078*	2244.08
560	PUPPED	17	-	8100079*	2544.23
630	PUPPED	17	-	8100080*	3277.55



**FITTINGS FOR ELECTROFUSION AND BUTTWELD**

**11° SEAMLESS BEND**



r ~ 1.5 x d

SIZE	ANGLE <sup>o</sup>	SDR	CODE	PRICE
110	11	7.4	8100001*	269.22
160	11	7.4	8100002*	396.37
225	11	7.4	8100003*	957.52
315	11	7.4	8100004*	1609.24
32	11	11	8101001*	59.41
40	11	11	8101002*	64.67
50	11	11	8101003*	89.05
63	11	11	8101004*	124.36
75	11	11	8101005*	136.44
90	11	11	8101006	151.14
110	11	11	8101531	195.45
125	11	11	8101532	217.72
140	11	11	8101533*	244.83
160	11	11	8101534	287.45
180	11	11	8101535	480.85
200	11	11	8101536	582.20
225	11	11	8101007*	694.67
250	11	11	8101008	809.82
280	11	11	8101009*	962.84
315	11	11	8101010	1167.74
355	11	11	8101011	2135.85
400	11	11	8101012*	2349.06
450	11	11	8101013*	2886.72
500	11	11	8101014*	4042.83
560	11	11	8101015*	5213.10
630	11	11	8101016*	6699.26
710	11	11	8101537	19804.76
800	11	11	8101538	24926.67
50	11	17	8101017*	73.90
63	11	17	8101018*	108.11
75	11	17	8101019*	115.07
90	11	17	8101020*	124.16
110	11	17	8101021	155.03
125	11	17	8101022*	175.51
140	11	17	8101023*	199.90
160	11	17	8101024	220.79
180	11	17	8101025*	352.74
200	11	17	8101026*	426.29
225	11	17	8101027*	505.37
250	11	17	8101028*	610.68
280	11	17	8101029*	675.63
315	11	17	8101030*	871.76
355	11	17	8101031*	1376.71
400	11	17	8101032*	1910.83
450	11	17	8101033*	2296.67
500	11	17	8101034*	3149.38
560	11	17	8101035*	4024.19
630	11	17	8101036*	5019.62
710	11	17	8101539	13658.45
800	11	17	8101540	15365.76
900	11	17	8100005*	21853.53
1000	11	17	8100006*	24926.67

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

FITTINGS FOR ELECTROFUSION AND BUTTWELD

22° SEAMLESS BEND



r ~ 1.5 x d

SIZE	ANGLE°	SDR	CODE	PRICE
110	22	7.4	8100007*	269.22
160	22	7.4	8100008*	396.37
225	22	7.4	8100009*	957.52
315	22	7.4	8100010*	1609.24
32	22	11	8101037*	59.41
40	22	11	8101038*	64.67
52	22	11	8101039*	89.05
63	22	11	8101040*	124.36
75	22	11	8101041*	136.44
90	22	11	8101042*	151.14
110	22	11	8101043*	195.45
125	22	11	8101044	217.72
140	22	11	8101045*	244.83
160	22	11	8101046*	287.45
180	22	11	8101047	480.85
200	22	11	8101048	582.20
225	22	11	8101049*	694.67
250	22	11	8101050	809.82
280	22	11	8101051*	962.84
315	22	11	8101052	1167.74
355	22	11	8101053	2135.85
400	22	11	8101054*	2349.06
450	22	11	8101055*	2886.72
500	22	11	8101056*	4042.83
560	22	11	8101057*	5213.10
630	22	11	8101058*	6699.26
710	22	11	8100011*	19804.76
800	22	11	8100012*	24926.67
50	22	17	8101059*	73.90
63	22	17	8101060*	108.11
75	22	17	8101061*	115.07
90	22	17	8101062*	124.16
110	22	17	8101063*	155.03
125	22	17	8101064*	175.51
140	22	17	8101065*	199.90
160	22	17	8101066*	220.79
180	22	17	8101067*	352.74
200	22	17	8101068*	426.29
225	22	17	8101069*	505.37
250	22	17	8101070*	610.68
280	22	17	8101071*	675.63
315	22	17	8101072*	871.76
355	22	17	8101073*	1376.71
400	22	17	8101074*	1910.83
450	22	17	8101075*	2296.67
500	22	17	8101076*	3149.38
560	22	17	8101077*	4024.19
630	22	17	8101078*	5019.62
710	22	17	8100013*	13658.45
800	22	17	8100014*	15365.76
900	22	17	8100015*	21853.53
1000	22	17	8100016*	24926.67

\*Available on request

Seamless bends may incur additional freight charges.

**FITTINGS FOR ELECTROFUSION AND BUTTWELD**

**30° SEAMLESS BEND**



r ~ 1.5 x d

SIZE	ANGLE <sup>o</sup>	SDR	CODE	PRICE
110	30	7.4	8100021*	269.22
160	30	7.4	8100022*	396.37
225	30	7.4	8100023*	957.52
315	30	7.4	8100024*	1609.24
32	30	11	8101138*	59.41
40	30	11	8101139*	64.67
50	30	11	8101140*	89.05
63	30	11	8101141*	124.36
75	30	11	8101142*	136.44
90	30	11	8101143	151.14
110	30	11	8101144	195.45
125	30	11	8101145*	217.72
140	30	11	8101146*	244.83
160	30	11	8101147	287.45
180	30	11	8101148*	480.85
200	30	11	8101149	582.20
225	30	11	8101150*	694.67
250	30	11	8101151*	809.82
280	30	11	8101152*	962.84
315	30	11	8101153*	1167.74
355	30	11	8101154*	2135.85
400	30	11	8101155*	2349.06
450	30	11	8101156*	2886.72
500	30	11	8101157*	4042.83
560	30	11	8101158*	5213.10
630	30	11	8101159*	6699.26
710	30	11	8100025*	19804.76
800	30	11	8100026*	24926.67
50	30	17	8101160*	73.90
63	30	17	8101161*	108.11
75	30	17	8101162*	115.07
90	30	17	8101163*	124.16
110	30	17	8101164	155.03
125	30	17	8101165*	175.51
140	30	17	8101166*	199.90
160	30	17	8101167	220.79
180	30	17	8101168*	352.74
200	30	17	8101169*	426.29
225	30	17	8101170*	505.37
250	30	17	8101171*	610.68
280	30	17	8101172*	675.63
315	30	17	8101173*	871.76
355	30	17	8101174*	1376.71
400	30	17	8101175*	1910.83
450	30	17	8101176*	2296.67
500	30	17	8101177*	3149.38
560	30	17	8101178*	4024.19
630	30	17	8101179*	5019.62
710	30	17	8100027*	13658.45
800	30	17	8100028*	15365.76
900	30	17	8100029*	21853.53
1000	30	17	8100030*	24926.67

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

FITTINGS FOR ELECTROFUSION AND BUTTWELD

45° SEAMLESS BEND



r ~ 1.5 x d

SIZE	ANGLE°	SDR	CODE	PRICE
110	45	7.4	8100035*	273.10
160	45	7.4	8100036*	407.04
225	45	7.4	8100037*	973.17
315	45	7.4	8100038*	1685.73
32	45	11	8101239*	59.41
40	45	11	8101240*	64.75
50	45	11	8101241*	89.53
63	45	11	8101242*	124.71
72	45	11	8101243*	137.27
90	45	11	8101244	152.64
110	45	11	8101245	198.06
125	45	11	8101246	221.61
140	45	11	8101247*	250.58
160	45	11	8101248	295.23
180	45	11	8101249	489.60
200	45	11	8101250	592.02
225	45	11	8101251	706.01
250	45	11	8101252	838.77
280	45	11	8101253	1003.22
315	45	11	8101254	1223.25
355	45	11	8101255	2135.85
400	45	11	8101256	2349.06
450	45	11	8101257	2886.72
500	45	11	8101258	4042.83
560	45	11	8101259	5213.10
630	45	11	8101260	6699.26
710	45	11	8100039	19804.76
800	45	11	8100040	24926.67
50	45	17	8101261*	74.16
63	45	17	8101262*	108.74
75	45	17	8101263*	115.76
90	45	17	8101264	124.58
110	45	17	8101265	156.87
125	45	17	8101266*	178.04
140	45	17	8101267*	203.46
160	45	17	8101268	225.71
180	45	17	8101269	358.75
200	45	17	8101270	431.90
225	45	17	8101271	512.40
250	45	17	8101272	631.16
280	45	17	8101273*	701.44
315	45	17	8101274	907.13
355	45	17	8101275	1376.71
400	45	17	8101276	1910.83
450	45	17	8101277*	2298.52
500	45	17	8101278	3149.38
560	45	17	8101279	4024.19
630	45	17	8101280	5019.62
710	45	17	8100041	13658.45
800	45	17	8100042	15365.76
900	45	17	8100043*	21853.53
1000	45	17	8100044*	24926.67

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

**FITTINGS FOR ELECTROFUSION AND BUTTWELD**

**60° SEAMLESS BEND**



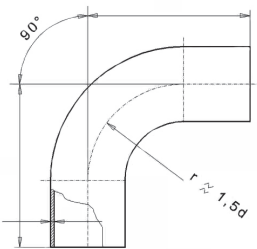
r ~ 1.5 x d

SIZE	ANGLE <sup>o</sup>	SDR	CODE	PRICE
110	60	7.4	8100049*	277.00
160	60	7.4	8100050*	419.39
225	60	7.4	8100051*	993.45
315	60	7.4	8100052*	1769.05
32	60	11	8101340*	59.63
40	60	11	8101341*	64.96
50	60	11	8101342*	89.74
63	60	11	8101343*	125.73
75	60	11	8101344*	138.29
90	60	11	8101345	154.27
110	60	11	8101346	200.92
125	60	11	8101347*	227.00
140	60	11	8101348*	256.92
160	60	11	8101349	304.24
180	60	11	8101350*	501.55
200	60	11	8101351	607.47
225	60	11	8101352*	720.75
250	60	11	8101353*	868.27
280	60	11	8101354*	1043.03
315	60	11	8101355*	1283.34
355	60	11	8101356*	2179.90
400	60	11	8101357*	2404.99
450	60	11	8101358*	2957.00
500	60	11	8101359*	4447.41
560	60	11	8101360*	5734.30
630	60	11	8101361*	7369.35
710	60	11	8100053*	21853.53
800	60	11	8100054*	26292.53
50	60	17	8101362*	74.30
63	60	17	8101363*	109.00
75	60	17	8101364*	116.17
90	60	17	8101365*	125.94
110	60	17	8101366	158.99
125	60	17	8101367*	181.53
140	60	17	8101368*	207.28
160	60	17	8101369	231.31
180	60	17	8101370*	366.73
200	60	17	8101371*	441.85
225	60	17	8101372*	521.00
250	60	17	8101373*	651.52
280	60	17	8101374*	727.53
315	60	17	8101375*	945.73
355	60	17	8101376*	1389.88
400	60	17	8101377*	1983.97
450	60	17	8101378*	2413.87
500	60	17	8101379*	3464.26
560	60	17	8101380*	4426.71
630	60	17	8101381*	5521.44
710	60	17	8100055*	15707.23
800	60	17	8100056*	18097.45
900	60	17	8100057*	22536.44
1000	60	17	8100058*	27658.36

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

FITTINGS FOR ELECTROFUSION AND BUTTWELD

90° SEAMLESS BEND



SIZE	ANGLE°	SDR	CODE	PRICE
110	90	7.4	8100063*	280.49
160	90	7.4	8100064*	442.67
225	90	7.4	8100065*	1051.85
315	90	7.4	8100066*	1921.74
32	90	11	8101489*	59.77
40	90	11	8101490*	65.35
50	90	11	8101491*	90.15
63	90	11	8101492*	126.01
75	90	11	8101493	140.14
90	90	11	8101494	156.94
110	90	11	8101495	203.46
125	90	11	8101496	233.37
140	90	11	8101497*	268.33
160	90	11	8101498	320.98
180	90	11	8101499	529.81
200	90	11	8101500	643.04
225	90	11	8101501	763.17
250	90	11	8101502	923.52
280	90	11	8101503	1123.54
315	90	11	8101504	1394.39
355	90	11	8101505	2007.79
400	90	11	8101506	2301.94
450	90	11	8101507	3252.63
500	90	11	8101508	4891.85
560	90	11	8101509	6307.54
630	90	11	8101510	8106.09
710	90	11	8100067	23560.84
800	90	11	8100068	28341.29
50	90	17	8101511*	74.38
63	90	17	8101512*	109.61
75	90	17	8101513*	117.34
90	90	17	8101514	128.05
110	90	17	8101515	160.35
125	90	17	8101516*	185.63
140	90	17	8101517*	214.24
160	90	17	8101518	241.90
180	90	17	8101519	385.92
200	90	17	8101520	463.98
225	90	17	8101521	547.24
250	90	17	8101522	690.37
280	90	17	8101523	778.47
315	90	17	8101524	1016.54
355	90	17	8101525	1334.50
400	90	17	8101526	1875.78
450	90	17	8101527	2655.14
500	90	17	8101528	3810.72
560	90	17	8101529	4869.51
630	90	17	8101530	6073.51
710	90	17	8100069	16390.14
800	90	17	8100070	18780.37
900	90	17	8100071*	24243.75
1000	90	17	8100072*	29707.13

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

**FITTINGS FOR BUTTWELD**

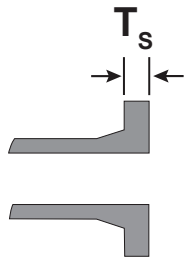
**STUB FLANGE FOR ANSI, SHORT SPIGOT**



SIZE	THICKNESS (T <sub>s</sub> )	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
20	7	INJECTED	11	-	8106001*	8.34
25	9	INJECTED	11	-	8106002	8.67
32	10	INJECTED	11	-	8106003*	9.50
40	11	INJECTED	11	-	8106004*	11.21
50	12	INJECTED	11	-	8106005	13.25
63	14	INJECTED	11	-	8106006*	15.99
75	16	INJECTED	11	-	8106007*	18.92
90	17	INJECTED	11	-	8106008	26.57

\*Available on request

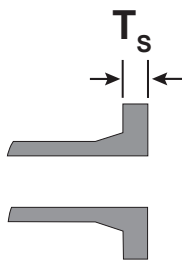
**STUB FLANGE FOR ISO/DIN/AS, SHORT SPIGOT**



SIZE	THICKNESS (T <sub>s</sub> )	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
20	7	INJECTED	11	-	8106009	6.90
25	9	INJECTED	11	-	8106010	7.24
32	10	INJECTED	11	-	8106011	7.92
40	11	INJECTED	11	-	8106012	9.30
50	12	INJECTED	11	-	8106013	11.07
63	14	INJECTED	11	-	8106014	13.33
75	16	INJECTED	11	-	8106015	15.78
90	17	INJECTED	11	-	8106016	22.21
110	18	INJECTED	11	-	8106017	27.32
125	25	INJECTED	11	-	8106018	32.93
140	25	INJECTED	11	-	8106019	38.40
160	25	INJECTED	11	-	8106020	48.63
180	30	INJECTED	11	-	8106021	74.52
200	32	INJECTED	11	-	8106022	81.61
225	32	INJECTED	11	-	8106023	91.24
250	35	INJECTED	11	-	8106024	138.36
280	35	INJECTED	11	-	8106025	150.86
315	35	INJECTED	11	-	8106026	177.63
355	40	INJECTED	11	-	8106027	315.58
400	46	INJECTED	11	-	8106028	650.84
450	60	INJECTED	11	-	8106029	756.00
500	60	INJECTED	11	-	8106030	965.39
560	60	MACHINED	11	-	8100501	1534.20
630	60	MACHINED	11	-	8100502	1251.46
50	12	INJECTED	17	-	8106031	9.98
63	14	INJECTED	17	-	8106032	12.16
75	16	INJECTED	17	-	8106033	14.55
90	17	INJECTED	17	-	8106034	19.82
110	18	INJECTED	17	-	8106035	25.40
125	18	INJECTED	17	-	8106036	30.81
140	18	INJECTED	17	-	8106037	35.52
160	18	INJECTED	17	-	8106038	43.64
180	20	INJECTED	17	-	8106039	63.39
200	24	INJECTED	17	-	8106040	78.67
225	24	INJECTED	17	-	8106041	89.05
250	25	INJECTED	17	-	8106042	125.79

**FITTINGS FOR BUTTWELD**

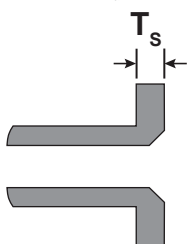
**STUB FLANGE FOR ISO/DIN/AS, SHORT SPIGOT CONT.**



SIZE	THICKNESS (T <sub>s</sub> )	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
280	25	INJECTED	17	-	8106043	139.25
315	25	INJECTED	17	-	8106044	168.62
355	30	INJECTED	17	-	8106045	288.19
400	33	INJECTED	17	-	8106046	604.88
450	46	INJECTED	17	-	8106047	713.87
500	46	INJECTED	17	-	8106048	881.87
560	50	INJECTED	17	-	8106049	902.42
630	50	INJECTED	17	-	8106050	1074.99
710	50	MACHINED	17	-	8100503	1581.85
800	52	INJECTED	17	-	8100504	1949.76
900	55	MACHINED	17	-	8100505*	2838.92
1000	60	MACHINED	17	-	8100506*	4167.40
1100	70	MACHINED	17	-	8100507*	POA
1200	90	MACHINED	17	-	8100508*	POA
800	40	INJECTED	26	-	8100542*	2028.86
900	43	INJECTED	26	-	8100543*	2414.78
110	18	INJECTED	33	-	8106051	25.40
125	18	INJECTED	33	-	8106052	30.66
140	18	INJECTED	33	-	8106053	35.44
160	18	INJECTED	33	-	8106054	43.64
180	18	INJECTED	33	-	8106055	63.39
200	18	INJECTED	33	-	8106056	75.82
225	18	INJECTED	33	-	8106057	85.10
250	20	INJECTED	33	-	8106058	119.64
280	20	INJECTED	33	-	8106059	128.67
315	20	INJECTED	33	-	8106060	156.05
355	23	INJECTED	33	-	8106061	262.79
400	26	INJECTED	33	-	8106062	566.77
450	33	INJECTED	33	-	8106063	665.71
500	38	INJECTED	33	-	8106064	810.70
560	40	INJECTED	33	-	8106065	844.16
630	40	INJECTED	33	-	8106066	968.40
710	35	MACHINED	33	-	8100509*	1510.82
800	36	MACHINED	33	-	8100510*	1807.71
900	40	MACHINED	33	-	8100511*	2642.91
1000	42	MACHINED	33	-	8100512*	3317.64
1100	50	MACHINED	33	-	8100513*	POA
1200	50	MACHINED	33	-	8100514*	POA

\*Available on request

**STUB FLANGE FOR ISO/DIN/AS, WITH CHAMFER, SHORT SPIGOT**



SIZE	THICKNESS (T <sub>s</sub> )	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
110	18	INJECTED	11	-	8100487	34.15
125	25	INJECTED	11	-	8100488	41.19
140	25	INJECTED	11	-	8100489	48.02
160	25	INJECTED	11	-	8100490	60.79
180	30	INJECTED	11	-	8100491	93.15
200	32	INJECTED	11	-	8100492	102.04
225	32	INJECTED	11	-	8100493	114.06
250	35	INJECTED	11	-	8100494	172.99
280	35	INJECTED	11	-	8100495	188.63
315	35	INJECTED	11	-	8100496	222.10
355	40	INJECTED	11	-	8100497	394.46
400	46	INJECTED	11	-	8100498	813.58
450	60	INJECTED	11	-	8100499	945.04
500	60	INJECTED	11	-	8100500	1206.73



**FITTINGS FOR BUTTWELD**

**CONCENTRIC REDUCER SHORT SPIGOT**



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
25 x 20	INJECTED	11	-	8149001*	7.99
32 x 20	INJECTED	11	-	8149002	9.57
32 x 25	INJECTED	11	-	8149003*	9.57
40 x 20	INJECTED	11	-	8149004*	11.00
40 x 25	INJECTED	11	-	8149005*	11.00
40 x 32	INJECTED	11	-	8149006	11.00
50 x 25	INJECTED	11	-	8149007	11.47
50 x 32	INJECTED	11	-	8149008	11.47
50 x 40	INJECTED	11	-	8149009	11.47
63 x 32	INJECTED	11	-	8149010	13.33
63 x 40	INJECTED	11	-	8149011	13.33
63 x 50	INJECTED	11	-	8149012	13.33
75 x 32	INJECTED	11	-	8149013*	17.22
75 x 40	INJECTED	11	-	8149016*	17.22
75 x 50	INJECTED	11	-	8149014*	17.22
75 x 63	INJECTED	11	-	8149015*	17.22
90 x 50	INJECTED	11	-	8149017	18.65
90 x 63	INJECTED	11	-	8149018	18.65
90 x 75	INJECTED	11	-	8149019	18.65
110 x 50	INJECTED	11	-	8149020	23.02
110 x 63	INJECTED	11	-	8149021	23.02
110 x 75	INJECTED	11	-	8149022	23.02
110 x 90	INJECTED	11	-	8149023	23.02
125 x 63	INJECTED	11	-	8149024	29.72
125 x 75	INJECTED	11	-	8149025*	29.72
125 x 90	INJECTED	11	-	8149026	29.72
125 x 110	INJECTED	11	-	8149027	29.72
140 x 75	INJECTED	11	-	8149028*	36.13
140 x 90	INJECTED	11	-	8149029*	36.13
140 x 110	INJECTED	11	-	8149030*	36.13
140 x 125	INJECTED	11	-	8149031*	36.13
160 x 90	INJECTED	11	-	8149032	41.93
160 x 110	INJECTED	11	-	8149033	41.93
160 x 125	INJECTED	11	-	8149034	41.93
160 x 140	INJECTED	11	-	8149035	41.93
180 x 90	INJECTED	11	-	8149036	62.96
180 x 110	INJECTED	11	-	8149037	62.96
180 x 125	INJECTED	11	-	8149038	59.70
180 x 140	INJECTED	11	-	8149039*	57.37
180 x 160	INJECTED	11	-	8149040	57.37
200 x 140	INJECTED	11	-	8149041	182.55
200 x 160	INJECTED	11	-	8149042	141.78
200 x 180	INJECTED	11	-	8149043*	126.35
225 x 140	INJECTED	11	-	8149044*	211.72
225 x 160	INJECTED	11	-	8149045	181.39
225 x 180	INJECTED	11	-	8149046	172.99
225 x 200	INJECTED	11	-	8149047	152.84
250 x 160	INJECTED	11	-	8149048	242.65
250 x 180	INJECTED	11	-	8149049	224.49
250 x 200	INJECTED	11	-	8149050	206.33
250 x 225	INJECTED	11	-	8149051	196.07
280 x 200	INJECTED	11	-	8149052	269.70
280 x 225	INJECTED	11	-	8149053	252.49
280 x 250	INJECTED	11	-	8149054	242.24
315 x 200	INJECTED	11	-	8149055	344.62
315 x 225	INJECTED	11	-	8149056	293.05
315 x 280	INJECTED	11	-	8149057	259.99
315 x 250	INJECTED	11	-	8149058	277.62

\*Available on request

**FITTINGS FOR BUTTWELD**

**CONCENTRIC REDUCER SHORT SPIGOT CONT.**



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
355 x 225	MACHINED	11	-	8100081*	644.69
355 x 250	MACHINED	11	-	8100082*	649.66
355 x 280	MACHINED	11	-	8100083*	605.62
355 x 315	MACHINED	11	-	8100084	587.87
400 x 225	MACHINED	11	-	8100085*	1108.72
400 x 250	MACHINED	11	-	8100086*	1068.65
400 x 280	MACHINED	11	-	8100087*	845.33
400 x 315	MACHINED	11	-	8100088*	630.34
400 x 355	MACHINED	11	-	8100089*	586.30
450 x 280	MACHINED	11	-	8100090*	1336.35
450 x 315	MACHINED	11	-	8100091*	1170.19
450 x 355	MACHINED	11	-	8100092*	838.15
450 x 400	MACHINED	11	-	8100093*	758.93
500 x 315	MACHINED	11	-	8100094*	1635.80
500 x 355	MACHINED	11	-	8100095*	1473.40
500 x 400	MACHINED	11	-	8100096*	1196.15
500 x 450	MACHINED	11	-	8100097*	1056.13
560 x 400	MACHINED	11	-	8100098*	2110.23
560 x 450	MACHINED	11	-	8100099*	1886.78
560 x 500	MACHINED	11	-	8100100*	1748.97
630 x 400	MACHINED	11	-	8100101*	2873.39
630 x 450	MACHINED	11	-	8100102*	2678.07
630 x 500	MACHINED	11	-	8100103*	2418.10
630 x 560	MACHINED	11	-	8100104*	1882.48
63 x 32	INJECTED	17	-	8149059	13.33
63 x 50	INJECTED	17	-	8149060	13.33
75 x 50	INJECTED	17	-	8149061*	17.22
75 x 63	INJECTED	17	-	8149062*	17.22
90 x 50	INJECTED	17	-	8149063	18.65
90 x 63	INJECTED	17	-	8149064	18.65
90 x 75	INJECTED	17	-	8149065	18.65
110 x 50	INJECTED	17	-	8149066	23.02
110 x 63	INJECTED	17	-	8149067	23.02
110 x 75	INJECTED	17	-	8149068	23.02
110 x 90	INJECTED	17	-	8149069	23.02
125 x 63	INJECTED	17	-	8149070	29.72
125 x 75	INJECTED	17	-	8149071	29.72
125 x 90	INJECTED	17	-	8149072	29.72
125 x 110	INJECTED	17	-	8149073	29.72
140 x 75	INJECTED	17	-	8149074*	36.13
140 x 90	INJECTED	17	-	8149075*	36.13
140 x 110	INJECTED	17	-	8149076	36.13
140 x 125	INJECTED	17	-	8149077*	36.13
160 x 90	INJECTED	17	-	8149078	41.93
160 x 110	INJECTED	17	-	8149079	41.93
160 x 125	INJECTED	17	-	8149080	41.93
160 x 140	INJECTED	17	-	8149081	41.93
180 x 90	INJECTED	17	-	8149082	62.96
180 x 110	INJECTED	17	-	8149083	62.96
180 x 125	INJECTED	17	-	8149084	59.70
180 x 140	INJECTED	17	-	8149085	57.37
180 x 160	INJECTED	17	-	8149086	57.37

\*Available on request

**FITTINGS FOR BUTTWELD**

**CONCENTRIC REDUCER SHORT SPIGOT CONT.**



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
200 x 140	INJECTED	17	-	8149087	182.55
200 x 160	INJECTED	17	-	8149088	141.78
200 x 180	INJECTED	17	-	8149089*	126.35
225 x 140	INJECTED	17	-	8149090	207.00
225 x 160	INJECTED	17	-	8149091	177.71
225 x 180	INJECTED	17	-	8149092	148.88
225 x 200	INJECTED	17	-	8149093	235.95
250 x 160	INJECTED	17	-	8149094	218.88
250 x 180	INJECTED	17	-	8149095	168.77
250 x 200	INJECTED	17	-	8149096	201.19
250 x 225	INJECTED	17	-	8149097	191.43
280 x 200	INJECTED	17	-	8149098	262.87
280 x 225	INJECTED	17	-	8149099	245.86
280 x 250	INJECTED	17	-	8149100	235.95
315 x 200	INJECTED	17	-	8149101	336.13
315 x 225	INJECTED	17	-	8149102	285.20
315 x 250	INJECTED	17	-	8149103	270.44
315 x 280	INJECTED	17	-	8149104	253.57
355 x 225	MACHINED	17	-	8100105	644.69
355 x 250	MACHINED	17	-	8100106	649.66
355 x 280	MACHINED	17	-	8100107	605.62
355 x 315	MACHINED	17	-	8100108	587.87
400 x 225	MACHINED	17	-	8100109	1108.72
400 x 250	MACHINED	17	-	8100110	1068.65
400 x 280	MACHINED	17	-	8100111	845.33
400 x 315	MACHINED	17	-	8100112	630.34
400 x 355	MACHINED	17	-	8100113	586.30
450 x 280	MACHINED	17	-	8100114	1336.35
450 x 315	MACHINED	17	-	8100115	1170.19
450 x 355	MACHINED	17	-	8100116	838.15
450 x 400	MACHINED	17	-	8100117	758.93
500 x 315	MACHINED	17	-	8100118	1635.80
500 x 355	MACHINED	17	-	8100119	1473.40
500 x 400	MACHINED	17	-	8100120	1196.15
500 x 450	MACHINED	17	-	8100121	1056.13
560 x 400	MACHINED	17	-	8100122	2110.23
560 x 450	MACHINED	17	-	8100123	1886.78
560 x 500	MACHINED	17	-	8100124	1451.08
630 x 400	MACHINED	17	-	8100125	2873.39
630 x 450	MACHINED	17	-	8100126	2678.07
630 x 500	MACHINED	17	-	8100127	2029.31
630 x 560	MACHINED	17	-	8100128	1882.48
710 x 500	MACHINED	17	-	8100129	4761.21
710 x 560	MACHINED	17	-	8100130	4329.74
710 x 630	MACHINED	17	-	8100131	2231.66
800 x 560	MACHINED	17	-	8100132	5913.64
800 x 630	MACHINED	17	-	8100133	3943.07
800 x 710	MACHINED	17	-	8100134	3523.54
900 x 630	MACHINED	17	-	8100135	6046.80
900 x 710	MACHINED	17	-	8100136	5187.83
900 x 800	MACHINED	17	-	8100137	3609.93
1000 x 710	MACHINED	17	-	8100138	9651.06
1000 x 800	MACHINED	17	-	8100139	6833.67
1000 x 900	MACHINED	17	-	8100140	4906.46

\*Available on request

**TEE (EQUAL+REDUCING)**



SIZE	MANU. METHOD	SDR	BAG QTY	CODE	PRICE
20	INJECTED	11	-	8103001	5.74
25	INJECTED	11	-	8103002	6.19
32	INJECTED	11	-	8103003	7.03
40	INJECTED	11	-	8103004	10.55
50	INJECTED	11	-	8103005	13.94
63	INJECTED	11	-	8103006	21.41
75	INJECTED	11	-	8103007	42.03
90	INJECTED	11	-	8103008	61.15
110	INJECTED	11	-	8103009	89.18
125	INJECTED	11	-	8103010	123.00
140	INJECTED	11	-	8103011	154.36
160	INJECTED	11	-	8103012	259.47
180	INJECTED	11	-	8103013	333.40
200	INJECTED	11	-	8103014	476.30
225	INJECTED	11	-	8103015	566.00
250	INJECTED	11	-	8103016	727.87
280	INJECTED	11	-	8103017	981.28
315	INJECTED	11	-	8103018	1392.91
355	INJECTED	11	-	8103019	1875.44
400	INJECTED	11	-	8103020	2798.76
450	INJECTED	11	-	8103021	4005.44
500	INJECTED	11	-	8103022	5088.70
50	INJECTED	17	-	8103023	12.57
63	INJECTED	17	-	8103024	16.92
75	INJECTED	17	-	8103025	32.93
90	INJECTED	17	-	8103026	46.33
110	INJECTED	17	-	8103027	75.91
125	INJECTED	17	-	8103028	104.79
140	INJECTED	17	-	8103029	123.59
160	INJECTED	17	-	8103030	232.33
180	INJECTED	17	-	8103031	284.37
200	INJECTED	17	-	8103032	388.50
225	INJECTED	17	-	8103033	456.07
250	INJECTED	17	-	8103034	604.17
280	INJECTED	17	-	8103035	689.96
315	INJECTED	17	-	8103036	919.42
355	INJECTED	17	-	8103037	1395.59
400	INJECTED	17	-	8103038	2161.75
450	INJECTED	17	-	8103039	3112.57
500	INJECTED	17	-	8103040	4007.40
110	INJECTED	33	-	8103041	50.88
125	INJECTED	33	-	8103042	69.22
140	INJECTED	33	-	8103043	95.56
160	INJECTED	33	-	8103044	114.41
180	INJECTED	33	-	8103045	135.03
200	INJECTED	33	-	8103046	167.29
225	INJECTED	33	-	8103047	277.02
250	INJECTED	33	-	8103048	476.30
280	INJECTED	33	-	8103049	605.67
315	INJECTED	33	-	8103050	763.71
355	INJECTED	33	-	8103051	1260.36
400	INJECTED	33	-	8103052	1847.54

FITTINGS FOR BUTTWELD



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	PRICE
20	INJECTED	11	-	8101382*	7.39
25	INJECTED	11	-	8101383*	7.45
32	INJECTED	11	-	8101384*	7.92
40	INJECTED	11	-	8101385*	9.84
50	INJECTED	11	-	8101386*	12.16
63	INJECTED	11	-	8101387	17.02
75	INJECTED	11	-	8101388	22.95
90	INJECTED	11	-	8101389	32.51
110	INJECTED	11	-	8101390	60.72
125	INJECTED	11	-	8101391	85.30
140	INJECTED	11	-	8101392	113.99
160	INJECTED	11	-	8101393	138.77
180	INJECTED	11	-	8101394	164.17
200	INJECTED	11	-	8101395	244.01
225	INJECTED	11	-	8101396	292.29
250	INJECTED	11	-	8101397	558.71
280	INJECTED	11	-	8101398	732.79
315	INJECTED	11	-	8101399	1009.22
355	INJECTED	11	-	8101400	1699.25
400	INJECTED	11	-	8101401	2331.51
450	INJECTED	11	-	8101430	3325.21
500	INJECTED	11	-	8101431	4322.93
50	INJECTED	17	-	8101402*	11.62
63	INJECTED	17	-	8101403*	15.78
75	INJECTED	17	-	8101404*	22.74
90	INJECTED	17	-	8101405	28.55
110	INJECTED	17	-	8101406	59.49
125	INJECTED	17	-	8101407	74.86
140	INJECTED	17	-	8101408	108.92
160	INJECTED	17	-	8101409	119.86
180	INJECTED	17.6	-	8101410	147.85
200	INJECTED	17.6	-	8101411	183.65
225	INJECTED	17.6	-	8101412	227.07
250	INJECTED	17.6	-	8101413	367.69
280	INJECTED	17.6	-	8101414	479.96
315	INJECTED	17.6	-	8101415	661.56
355	INJECTED	17.6	-	8101416	1255.28
400	INJECTED	17.6	-	8101417	1746.04
450	INJECTED	17	-	8101432	2464.33
500	INJECTED	17	-	8101433	3154.25
110	INJECTED	33	-	8101418*	45.75
125	INJECTED	33	-	8101419*	59.49
140	INJECTED	33	-	8101420*	76.83
160	INJECTED	33	-	8101421*	93.76
180	INJECTED	33	-	8101422*	115.76
200	INJECTED	33	-	8101423*	142.33
225	INJECTED	33	-	8101424*	174.77
250	INJECTED	33	-	8101425*	216.63
280	INJECTED	33	-	8101426*	307.05
315	INJECTED	33	-	8101427*	332.39
355	INJECTED	33	-	8101428*	949.13
400	INJECTED	33	-	8101429*	1327.33

\*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

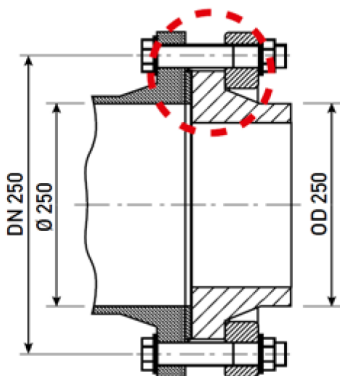


**Special Flanges**

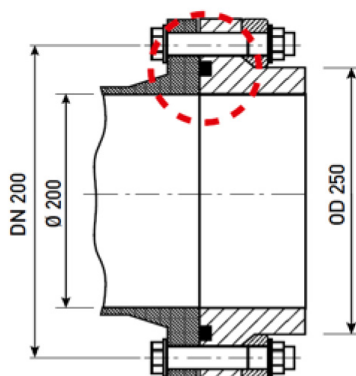
Steel flanges with a polypropylene coating are an alternative to galvanised or stainless steel flanges. The polypropylene coating is a uniform thickness due to the injection molding process and has a high resistance to mechanical impact.

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 <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
20	DN 15 (1/2")	95	5	67	4	14	M12	8900001		8920001-040 8920001-050 8920001-060	10.66 11.38 13.39	8910001		8930001-040 8930001-050 8930001-060	22.38 22.81 27.69	8940001	8.65
25	DN 20 (3/4")	100	5	73	4	14	M12	8900002	REFER TABLE E PAGE 175	8920002-040 8920002-050 8920002-060	10.66 11.38 13.39	8910002	REFER TABLE E PAGE 175	8930002-040 8930002-050 8930002-060	22.38 22.81 27.69	8940002	9.23
32	DN25 (1")	115	5	83	4	14	M12	8900003		8920003-040 8920003-050 8920003-060	10.66 11.38 13.39	8910003		8930003-040 8930003-050 8930003-060	22.38 22.81 27.69	8940003	5.48
40	DN32 (1-1/4")	120	6	87	4	14	M12	8900004		8920004-040 8920004-050 8920004-060	10.66 11.38 13.39	8910004		8930004-040 8930004-050 8930004-060	22.38 22.81 27.69	8940004	5.48
50	DN40 (1-1/2")	135	6	98	4	14	M12	8900005		6.39	8920005-040 8920005-050 8920005-060	10.66 11.38 13.39		8910005	30.51	8930005-040 8930005-050 8930005-060	22.38 22.81 27.69
63	DN50 (2")	150	8	114	4	18	M16	8900006	9.52	8920006-065 8920006-080 8920006-100	17.80 24.05 23.98	8910006	45.43	8930006-065 8930006-080 8930006-100	40.62 56.62 49.84	8940006	12.40
75	DN65 (2-1/2")	165	8	127	4	18	M16	8900007	10.87	8920007-065 8920007-080 8920007-100	17.80 24.05 23.98	8910007	51.91	8930007-065 8930007-080 8930007-100	40.62 56.62 49.84	8940007	14.53
90	DN80 (3")	185	10	146	4	18	M16	8900008	19.16	8920008-065 8920008-080 8920008-100	17.80 24.05 23.98	8910008	78.77	8930008-065 8930008-080 8930008-100	40.62 56.62 49.84	8940008	14.02
110	DN100 (4")	215	10	178	4	18	M16	8900009	23.06	8920009-065 8920009-080 8920009-100	17.80 24.05 23.98	8910009	106.28	8930009-065 8930009-080 8930009-100	40.62 56.62 49.84	8940009	18.62
125	DN100 (4")	215	10	178	4	18	M16	8900010	21.72	8920010-065 8920010-080 8920010-100	17.80 24.05 23.98	8910010	99.63	8930010-065 8930010-080 8930010-100	40.62 56.62 49.84	8940009	18.62

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<sub>G</sub>: 3mm



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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
125	DN125 (5")	255	13	210	8	18	M16	8900011	43.80	8920011-065	35.60	8910011	214.27	8930011-065	81.23	8940010	32.00
										8920011-080	48.09			8930011-080	113.22		
										8920011-100	47.97			8930011-100	99.70		
140	DN125 (5")	255	13	210	8	18	M16	8900012	37.29	8920012-065	35.60	8910012	182.10	8930012-065	81.23	8940010	32.00
										8920012-080	48.09			8930012-080	113.22		
										8920012-100	47.97			8930012-100	99.70		
160	DN150 (6")	280	13	235	8	18	M16	8900013	43.50	8920013-065	35.60	8910013	213.01	8930013-065	81.23	8940011	36.62
										8920013-080	48.09			8930013-080	113.22		
										8920013-100	47.97			8930013-100	99.70		
180	DN150 (6")	280	13	235	8	18	M16	8900014	40.20	8920014-065	35.60	8910014	194.40	8930014-065	81.23	8940011	36.62
										8920014-080	48.09			8930014-080	113.22		
										8920014-100	47.97			8930014-100	99.70		
200	DN200 (8")	335	13	292	8	18	M16	8900015	53.56	8920015-065	35.60	8910015	190.68	8930015-065	81.23	8940012	41.81
										8920015-080	48.09			8930015-080	113.22		
										8920015-100	47.97			8930015-100	99.70		
225	DN200 (8")	335	13	292	8	18	M16	8900016	52.41	8920016-065	35.60	8910016	190.68	8930016-065	81.23	8940012	41.81
										8920016-080	48.09			8930016-080	113.22		
										8920016-100	47.97			8930016-100	99.70		
250	DN250 (10")	405	16	356	8	22	M20	8900017	85.46	8920017-110	47.97	8910017	254.35	8930017-110	203.00	8940013	55.64
										8920017-120	79.44			8930017-120	199.93		
										8920017-130	79.11			8930017-130	293.90		
280	DN250 (10")	405	16	356	8	22	M20	8900018	81.31	8920018-110	87.11	8910018	248.53	8930018-110	203.00	8940013	55.64
										8920018-120	79.44			8930018-120	199.93		
										8920018-130	79.11			8930018-130	293.90		
315	DN300 (12")	455	19	406	12	22	M20	8900019	114.31	8920019-110	119.15	8910019	447.35	8930019-110	304.51	8940014	66.59
										8920019-120	118.67			8930019-120	299.89		
										8920019-130	130.66			8930019-130	440.85		
355	DN350 (14")	525	22	470	12	26	M24	8900020	191.17	8920020-150	246.64	8910020	425.87	8930020-160	498.14	8940015	131.15
										8920020-200	283.10			8930020-200	677.80		
										8920020-240	346.98			8930020-250	804.31		

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<sub>G</sub>: 3mm

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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
400	DN400 (16")	580	22	521	12	26	M24	8900021	218.07	8920021-150	246.64	8910021	1176.40	8930021-160	498.14	8940016	155.66
										8920021-200	283.10			8930021-200	677.80		
										8920021-240	346.98			8930021-250	804.31		
450	DN450 (18")	640	25	584	12	26	M24	8900022	273.04	8920022-150	246.64	8910022	1772.84	8930022-160	498.14	8940017	130.88
										8920022-200	283.10			8930022-200	677.80		
										8920022-240	346.98			8930022-250	804.31		
500	DN500 (20")	705	29	641	16	26	M24	8900023	404.91	8920023-150	328.85	8910023	2184.13	8930023-160	664.17	8940018	147.01
										8920023-200	377.44			8930023-200	903.72		
										8920023-240	462.62			8930023-250	1072.42		
560	DN550 (22")	760	29	699	16	30	M27	8900024	362.20	8920024	POA	8910024	1953.84	8930024	POA	8940019	222.29
630	DN600 (24")	825	32	756	16	30	M27	8900025	551.61	8920025	POA	8910025	2976.17	8930025	POA	8940020	187.36
710	DN700 (28")	910	35	845	20	30	M27	8900026	POA	8920026	POA	8910026	POA	8930026	POA	8940021	POA
800	DN800 (32")	1060	41	984	20	36	M33	8900027	POA	8920027	POA	8910027	POA	8930027	POA	8940022	POA
900	DN900 (36")	1175	48	1092	24	36	M33	8900028	POA	8920028	POA	8910028	POA	8930028	POA	8940023	POA
1000	DN1000 (40")	1255	51	1175	24	36	M33	8900029	POA	8920029	POA	8910029	POA	8930029	POA	8940024	POA
1200	DN1200 (48")	1490	60	1410	32	36	M33	8900030	POA	8920030	POA	8910030	POA	8930030	POA	8940025	POA

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<sub>G</sub>: 3mm

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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
20	DN 15 (1/2")	95	6	67	4	14	M12	8900031	3.56	8920031-040	10.66	8910031	16.76	8930031-040	22.38	8940001	8.65
										8920031-050	11.38			8930031-050	22.81		
										8920031-060	13.39			8930031-060	27.69		
25	DN 20 (3/4")	100	6	73	4	14	M12	8900032	3.82	8920032-040	10.66	8910032	18.01	8930032-040	22.38	8940002	9.23
										8920032-050	11.38			8930032-050	22.81		
										8920032-060	13.39			8930032-060	27.69		
32	DN25 (1")	115	7	83	4	14	M12	8900033	5.91	8920033-040	10.66	8910033	28.13	8930033-040	22.38	8940003	5.48
										8920033-050	11.38			8930033-050	22.81		
										8920033-060	13.39			8930033-060	27.69		
40	DN32 (1-1/4")	120	8	87	4	14	M12	8900034	6.90	8920034-040	10.66	8910034	32.96	8930034-040	22.38	8940004	5.48
										8920034-050	11.38			8930034-050	22.81		
										8920034-060	13.39			8930034-060	27.69		
50	DN40 (1-1/2")	135	9	98	4	14	M12	8900035	9.57	8920035-040	10.66	8910035	45.98	8930035-040	22.38	8940005	11.25
										8920035-050	11.38			8930035-050	22.81		
										8920035-060	13.39			8930035-060	27.69		
63	DN50 (2")	150	10	114	4	18	M16	8900036	11.88	8920036-065	17.80	8910036	62.11	8930036-065	40.62	8940006	12.40
										8920036-080	24.05			8930036-080	56.62		
										8920036-100	23.98			8930036-100	49.84		
75	DN65 (2-1/2")	165	10	127	4	18	M16	8900037	13.60	8920037-065	17.80	8910037	71.66	8930037-065	40.62	8940007	14.53
										8920037-080	24.05			8930037-080	56.62		
										8920037-100	23.98			8930037-100	49.84		
90	DN80 (3")	185	11	146	4	18	M16	8900038	17.26	8920038-065	17.80	8910038	87.15	8930038-065	40.62	8940008	14.02
										8920038-080	24.05			8930038-080	56.62		
										8920038-100	23.98			8930038-100	49.84		
110	DN100 (4")	215	13	178	8	18	M16	8900039	26.11	8920039-065	35.60	8910039	132.03	8930039-065	81.23	8940026	30.40
										8920039-080	48.09			8930039-080	113.22		
										8920039-100	47.97			8930039-100	99.70		
125	DN100 (4")	215	13	178	8	18	M16	8900040	24.53	8920040-065	35.60	8910040	123.57	8930040-065	81.23	8940026	30.40
										8920040-080	48.09			8930040-080	113.22		
										8920040-100	47.97			8930040-100	99.70		

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<sub>G</sub>: 3mm

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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
125	DN125 (5")	255	14	210	8	18	M16	8900041	45.88	8920041-065	35.60	8910041	231.02	8930041-065	81.23	8940010	32.00
										8920041-080	48.09			8930041-080	113.22		
										8920041-100	47.97			8930041-100	99.70		
140	DN125 (5")	255	14	210	8	18	M16	8900042	38.79	8920042-065	35.60	8910042	195.88	8930042-065	81.23	8940010	32.00
										8920042-080	48.09			8930042-080	113.22		
										8920042-100	47.97			8930042-100	99.70		
160	DN150 (6")	280	17	235	8	22	M20	8900043	53.75	8920043-110	79.44	8910043	270.92	8930043-110	203.00	8940011	36.62
										8920043-120	79.11			8930043-120	199.93		
										8920043-130	87.11			8930043-130	293.90		
180	DN150 (6")	280	17	235	8	22	M20	8900044	49.29	8920044-110	79.44	8910044	248.87	8930044-110	203.00	8940011	36.62
										8920044-120	79.11			8930044-120	199.93		
										8920044-130	87.11			8930044-130	293.90		
200	DN200 (8")	335	19	292	8	22	M20	8900045	74.00	8920045-110	79.44	8910045	373.61	8930045-110	203.00	8940012	41.81
										8920045-120	79.11			8930045-120	199.93		
										8920045-130	87.11			8930045-130	293.90		
225	DN200 (8")	335	19	292	8	22	M20	8900046	72.47	8920046-110	79.44	8910046	365.18	8930046-110	203.00	8940012	41.81
										8920046-120	79.11			8930046-120	199.93		
										8920046-130	87.11			8930046-130	293.90		
250	DN250 (10")	405	22	356	12	22	M20	8900047	110.59	8920047-110	119.15	8910047	573.59	8930047-110	304.51	8940027	74.66
										8920047-120	118.66			8930047-120	299.89		
										8920047-130	130.66			8930047-130	440.85		
280	DN250 (10")	405	22	356	12	22	M20	8900048	105.10	8920048-110	119.15	8910048	545.37	8930048-110	304.51	8940027	74.66
										8920048-120	118.66			8930048-120	299.89		
										8920048-130	130.66			8930048-130	440.85		
315	DN300 (12")	455	25	406	12	26	M24	8900049	141.46	8920049-150	246.64	8910049	733.65	8930049-160	498.14	8940014	66.59
										8920049-200	283.10			8930049-200	677.80		
										8920049-240	346.98			8930049-250	804.31		
355	DN350 (14")	525	29	470	12	26	M24	8900050	251.80	8920050-150	246.64	8910050	1406.64	8930050-160	498.14	8940015	131.15
										8920050-200	283.10			8930050-200	677.80		
										8920050-240	346.98			8930050-250	804.31		

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<sub>G</sub>: 3mm

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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
400	DN400 (16")	580	32	521	12	26	M24	8900051	306.15	8920051-150	246.64	8910051	1588.26	8930051-160	498.14	8940016	151.13
										8920051-200	283.10			8930051-200	677.80		
										8920051-240	346.98			8930051-250	804.31		
450	DN450 (18")	640	35	584	16	26	M24	8900052	361.48	8920052-150	328.85	8910052	2444.99	8930052-160	664.17	8940028	174.39
										8920052-200	377.44			8930052-200	903.72		
										8920052-240	462.62			8930052-250	1072.42		
500	DN500 (20")	705	38	641	16	26	M24	8900053	512.32	8920053-150	328.85	8910053	2862.16	8930053-160	664.17	8940018	142.73
										8920053-200	377.44			8930053-200	903.72		
										8920053-240	462.62			8930053-250	1072.42		
560	DN550 (22")	760	44	699	16	30	M27	8900054	530.56	8920054	POA	8910054	2805.92	8930054	POA	8940019	222.29
630	DN600 (24")	825	48	756	16	33	M30	8900055	789.12	8920055	POA	8910055	4173.33	8930055	POA	8940020	187.36
710	DN700 (28")	910	51	845	20	33	M30	8900056	POA	8920056	POA	8910056	4051.78	8930056	POA	8940021	POA
800	DN800 (32")	1060	54	984	20	36	M33	8900057	POA	8920057	POA	8910057	POA	8930057	POA	8940022	POA
900	DN900 (36")	1175	64	1092	24	36	M33	8900058	POA	8920058	POA	8910058	POA	8930058	POA	8940023	POA
1000	DN1000 (40")	1255	67	1175	24	39	M36	8900059	POA	8920059	POA	8910059	POA	8930059	POA	8940024	POA
1200	DN1200 (48")	1490	79	1410	32	39	M36	8900060	POA	8920060	POA	8910060	POA	8930060	POA	8940025	POA

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<sub>G</sub>: 3mm

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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
63	DN50 (2")	150	11	114	4	18	M16	8900036	11.88	8920036-065	17.80	8910036	62.11	8930036-065	40.62	8940006	12.40
										8920036-080	24.05			8930036-080	56.62		
										8920036-100	23.98			8930036-100	49.84		
75	DN65 (2-1/2")	165	11	127	4	18	M16	8900037	13.60	8920037-065	17.80	8910037	71.66	8930037-065	40.62	8940007	14.53
										8920037-080	24.05			8930037-080	56.62		
										8920037-100	23.98			8930037-100	49.84		
90	DN80 (3")	185	11	146	4	18	M16	8900061	17.26	8920061-065	17.80	8910061	87.15	8930061-065	40.62	8940008	14.02
										8920061-080	24.05			8930061-080	56.62		
										8920061-100	23.98			8930061-100	49.84		
110	DN100 (4")	215	13	178	4	18	M16	8900062	27.40	8920062-065	17.80	8910062	137.86	8930062-065	40.62	8940009	18.62
										8920062-080	24.05			8930062-080	56.62		
										8920062-100	23.98			8930062-100	49.84		
125	DN100 (4")	215	13	178	4	18	M16	8900063	25.68	8920063-065	17.80	8910063	129.49	8930063-065	40.62	8940009	18.62
										8920063-080	24.05			8930063-080	56.62		
										8920063-100	23.98			8930063-100	49.84		
160	DN150 (6")	280	13	235	8	18	M16	8900013	43.50	8920013-065	35.60	8910013	206.81	8930013-065	78.86	8940011	36.62
										8920013-080	48.09			8930013-080	109.92		
										8920013-100	47.97			8930013-100	96.80		
180	DN150 (6")	280	13	235	8	18	M16	8900014	40.20	8920014-065	35.60	8910014	194.40	8930014-065	78.86	8940011	36.62
										8920014-080	48.09			8930014-080	109.92		
										8920014-100	47.97			8930014-100	96.80		
200	DN200 (8")	335	19	292	8	18	M16	8900064	68.50	8920064-065	35.60	8910064	382.63	8930064-065	81.23	8940012	41.81
										8920064-080	48.09			8930064-080	113.22		
										8920064-100	47.97			8930064-100	99.70		
225	DN200 (8")	335	19	292	8	18	M16	8900065	67.04	8920065-065	35.60	8910065	374.26	8930065-065	81.23	8940012	41.81
										8920065-080	48.09			8930065-080	113.22		
										8920065-100	47.97			8930065-100	99.70		
250	DN250 (10")	405	19	356	8	22	M20	8900066	97.90	8920066-110	79.44	8910066	547.28	8930066-110	203.00	8940013	55.64
										8920066-120	79.11			8930066-120	199.93		
										8920066-130	87.11			8930066-130	293.90		

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<sub>g</sub>: 3mm

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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
280	DN250 (10")	405	19	356	8	22	M20	8900067	93.14	8920067-110	79.44	8910067	520.43	8930067-110	203.00	8940013	55.64
										8920067-120	79.11			8930067-120	199.94		
										8920067-130	87.11			8930067-130	293.91		
315	DN300 (12")	455	23	406	12	22	M20	8900068	133.52	8920068-110	119.15	8910068	746.61	8930068-110	304.51	8940014	66.59
										8920068-120	118.66			8930068-120	299.89		
										8920068-130	130.66			8930068-130	440.85		
355	DN350 (14")	525	30	470	12	26	M24	8900050	251.80	8920050-150	246.64	8910050	1406.64	8930050-160	498.14	8940015	131.15
										8920050-200	283.10			8930050-200	677.80		
										8920050-240	346.98			8930050-250	804.31		
400	DN400 (16")	580	30	521	12	26	M24	8900069	287.07	8920069-150	246.64	8910069	1603.60	8930069-160	498.14	8940016	155.66
										8920069-200	283.10			8930069-200	677.80		
										8920069-240	346.98			8930069-250	804.31		
450	DN450 (18")	640	30	584	12	26	M24	8900070	315.99	8920070-150	246.64	8910070	1939.86	8930070-160	498.14	8940017	130.88
										8920070-200	283.10			8930070-200	677.80		
										8920070-240	346.98			8930070-250	804.31		
500	DN500 (20")	705	38	641	16	26	M24	8900053	512.32	8920053-150	319.27	8910053	2862.16	8930053-160	664.17	8940018	147.01
										8920053-200	366.45			8930053-200	903.72		
										8920053-240	449.15			8930053-250	1072.42		
630	DN600 (24")	825	48	756	16	30	M27	8900071	798.89	8920071	POA	8910071	4463.84	8930071	POA	8940020	187.36
710	DN700 (28")	910	56	845	20	30	M27	8900072	POA	8920072	POA	8910072	POA	8930072	POA	8940021	POA
800	DN800 (32")	1060	56	984	20	36	M33	8900073	POA	8920073	POA	8910073	POA	8930073	POA	8940022	POA
900	DN900 (36")	1175	66	1092	24	36	M33	8900074	POA	8920074	POA	8910074	POA	8930074	POA	8940023	POA
1000	DN1000 (40")	1255	66	1175	24	36	M33	8900075	POA	8920075	POA	8910075	POA	8930075	POA	8940024	POA
1200	DN1200 (48")	1490	76	1410	32	36	M33	8900076	POA	8920076	POA	8910076	POA	8930076	POA	8940025	POA

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<sub>G</sub>: 3mm

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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
63	DN50 (2")	165	15	127	4	18	M16	8900077	POA	8920077-065	17.80	8910077	POA	8930077-065	40.62	8950001	20.18
										8920077-080	24.05	8930077-080		56.62			
										8920077-100	23.98	8930077-100		49.84			
75	DN65 (2-1/2")	185	15	146	8	18	M16	8900078	POA	8920078-065	35.60	8910078	POA	8930078-065	81.23	8950002	27.40
										8920078-080	48.09	8930078-080		113.22			
										8920078-100	47.97	8930078-100		99.70			
90	DN80 (3")	205	15	165	8	18	M16	8900079	POA	8920079-065	35.60	8910079	POA	8930079-065	81.23	8950003	25.72
										8920079-080	48.09	8930079-080		113.22			
										8920079-100	47.97	8930079-100		99.70			
110	DN100 (4")	230	19	191	8	18	M16	8900080	POA	8920080-065	35.60	8910080	POA	8930080-065	81.23	8950004	36.07
										8920080-080	48.09	8930080-080		113.22			
										8920080-100	47.97	8930080-100		99.70			
125	DN100 (4")	230	19	191	8	18	M16	8900081	POA	8920081-065	35.60	8910081	POA	8930081-065	81.23	8950004	36.07
										8920081-080	48.09	8930081-080		113.22			
										8920081-100	47.97	8930081-100		99.70			
160	DN150 (6")	305	24	260	12	22	M20	8900082	POA	8920082-110	119.15	8910082	POA	8930082-110	304.51	8950006	52.53
										8920082-120	118.66	8930082-120		299.89			
										8920082-130	130.66	8930082-130		440.85			
180	DN150 (6")	305	24	260	12	22	M20	8900083	POA	8920083-110	119.15	8910083	POA	8930083-110	304.51	8950006	52.53
										8920083-120	118.66	8930083-120		299.89			
										8920083-130	130.66	8930083-130		440.85			
200	DN200 (8")	370	24	324	12	22	M20	8900084	POA	8920084-110	119.15	8910084	POA	8930084-110	304.51	8950007	67.45
										8920084-120	118.66	8930084-120		299.89			
										8920084-130	130.66	8930084-130		440.85			
225	DN200 (8")	370	24	324	12	22	M20	8900085	POA	8920085-110	119.15	8910085	POA	8930085-110	304.51	8950007	67.45
										8920085-120	118.66	8930085-120		299.89			
										8920085-130	130.66	8930085-130		440.85			
250	DN250 (10")	430	30	380	12	26	M24	8900086	POA	8920086-150	328.85	8910086	POA	8930086-160	498.14	8950008	84.75
										8920086-200	377.44	8930086-200		677.80			
										8920086-240	462.62	8930086-250		804.31			

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<sub>G</sub>: 1.5mm



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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
280	DN250 (10")	430	30	380	12	26	M24	8900087	POA	8920087-150	328.85	8910087	POA	8930087-160	498.14	8950008	84.75
										8920087-200	377.44			8930087-200	677.80		
										8920087-240	462.62			8930087-250	804.31		
315	DN300 (12")	490	30	438	16	26	M24	8900088	POA	8920088-150	246.64	8910088	POA	8930088-160	664.17	8950009	98.01
										8920088-200	283.10			8930088-200	677.80		
										8920088-240	346.98			8930088-250	804.31		
355	DN350 (14")	550	30	495	16	30	M27	8900089	POA	8920089	POA	8910089	POA	8930089	POA	8950010	122.51
400	DN400 (16")	610	38	552	20	30	M27	8900090	POA	8920090	POA	8910090	POA	8930090	POA	8950011	147.30
450	DN450 (18")	675	38	610	20	33	M30	8900091	POA	8920091	POA	8910091	POA	8930091	POA	8950012	172.95
500	DN500 (20")	735	48	673	24	33	M30	8900092	POA	8920092	POA	8910092	POA	8930092	POA	8950013	202.35
630	DN600 (24")	850	58	781	24	36	M33	8900093	POA	8920093	POA	8910093	POA	8930093	POA	8950014	219.36
710	DN700 (28")	935	58	857	24	36	M33	8900094	POA	8920094	POA	8910094	POA	8930094	POA	8950015	POA
800	DN800 (32")	1015	58	940	28	36	M33	8900095	POA	8920095	POA	8910095	POA	8930095	POA	8950016	POA
900	DN900 (36")	1185	68	1105	32	39	M36	8900096	POA	8920096	POA	8910096	POA	8930096	POA	8950017	POA
1000	DN1000 (40")	1275	78	1194	36	39	M36	8900097	POA	8920097	POA	8910097	POA	8930097	POA	8950018	POA
1200	DN1200 (48")	1530	88	1441	40	42	M39	8900098	POA	8920098	POA	8910098	POA	8930098	POA	8950019	POA

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<sub>G</sub>: 1.5mm

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

PE SIZE	FLANGE SIZE	OD	TCK T <sub>F</sub>	PCD	# HOLES	Ø HOLE	BOLT TYPE	GALVANISED				316 SS					
								FLANGE	PRICE	STUD SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
63	DN50 (2")	165	19	127	4	18	M16	8900099	23.10	8920099-110	33.44	8910099	151.01	8930099-110	71.49	8950001	20.18
75	DN65 (2-1/2")	185	19	146	8	18	M16	8900100	26.87	8920100-110	66.88	8910100	175.89	8930100-110	142.98	8950002	27.40
90	DN80 (3")	205	24	165	8	18	M16	8900101	47.38	8920101-110	66.88	8910101	265.37	8930101-110	142.98	8950003	25.72
110	DN100 (4")	230	24	191	8	18	M16	8900102	57.70	8920102-110	66.88	8910102	324.20	8930102-110	142.98	8950004	36.07
125	DN100 (4")	230	24	191	8	18	M16	8900103	54.99	8920103-110	66.88	8910103	308.15	8930103-110	142.98	8950004	36.07
160	DN150 (6")	305	31	260	12	22	M20	8900104	122.20	8920104-130	155.66	8910104	685.41	8930104-130	311.32	8950006	52.53
180	DN150 (6")	305	31	260	12	22	M20	8900105	114.53	8920105-130	155.66	8910105	670.66	8930105-130	311.32	8950006	52.53
200	DN200 (8")	370	31	324	12	22	M20	8900106	166.38	8920106-130	155.66	8910106	933.60	8930106-130	311.32	8950007	67.45
225	DN200 (8")	370	31	324	12	22	M20	8900107	163.71	8920107-130	155.66	8910107	918.88	8930107-130	311.32	8950007	67.45
250	DN250 (10")	430	38	381	12	26	M24	8900108	253.82	8920108-150	297.47	8910108	1424.56	8930108-150	716.69	8950008	84.75
280	DN250 (10")	430	38	381	12	26	M24	8900109	243.60	8920109-150	297.47	8910109	1367.10	8930109-150	716.69	8950008	84.75
315	DN300 (12")	490	38	438	16	26	M24	8900110	311.07	8920110-150	396.63	8910110	1746.24	8930110-150	955.60	8950009	98.01
355	DN350 (14")	550	48	495	16	30	M27	8900111	499.62	8920111-170	784.04	8910111	2804.44	8930111-170	1060.76	8950010	122.51
400	DN400 (16")	610	48	552	20	30	M27	8900112	577.65	8920112-170	980.03	8910112	3242.50	8930112-170	1325.93	8950011	147.30
450	DN450 (18")	675	58	610	20	33	M30	8900113	812.72	8920113-190	772.52	8910113	4357.79	8930113-190	2148.01	8950012	172.95
500	DN500 (20")	735	58	673	24	33	M30	8900114	948.76	8920114-190	927.00	8910114	5325.05	8930114-190	2577.63	8950013	202.35
630	DN600 (24")	850	68	781	24	36	M33	8900115	1328.48	8920115-210	1466.61	8910115	7456.61	8930115-210	6778.18	8950014	219.36
710	DN700 (28")	935	78	857	24	36	M33	8900116	POA	8920116-210	1466.61	8910116	POA	8930116-210	6778.18	8950015	POA
800	DN800 (32")	1060	84	984	28	36	M33	8900117	POA	8920117-210	1711.05	8910117	POA	8930117-210	7907.88	8950016	POA
900	DN900 (36")	1185	94	1105	32	39	M36	8900118	POA	8920118	POA	8910118	POA	8930118	POA	8950017	POA
1000	DN1000 (40")	1275	98	1194	36	39	M36	8900119	POA	8920119	POA	8910119	POA	8930119	POA	8950018	POA
1200	DN1200 (48")	1530	108	1441	40	42	M39	8900120	POA	8920120	POA	8910120	POA	8930120	POA	8950019	POA

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<sub>G</sub>: 1.5mm

BACKING FLANGES - ASME B16.5 ANSI 150#

PE SIZE	FLANGE SIZE	OD	TCK	PCD	# HOLES	Ø HOLE	BOLT TYPE*	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
20	DN15 (1/2")	88.9	9.7	60.5	4	15.9	1/2"	8900121	6.43	8920121-40	10.66	8910121	21.35	8930121-40	22.38	8940029	8.65
										8920121-50	11.38			8930121-50	22.81		
										8920121-60	13.39			8930121-60	27.69		
25	DN20 (3/4")	98.6	11.2	69.9	4	15.9	1/2"	8900122	6.60	8920122-40	10.66	8910122	22.32	8930122-40	22.38	8940030	10.38
										8920122-50	11.38			8930122-50	22.81		
										8920122-60	13.39			8930122-60	27.69		
32	DN25 (1")	108	12.7	79.2	4	15.9	1/2"	8900123	8.31	8920123-40	10.66	8910123	39.54	8930123-40	22.38	8940031	11.54
										8920123-50	11.38			8930123-50	22.81		
										8920123-60	13.39			8930123-60	27.69		
40	DN32 (1-1/4")	117.3	14.2	88.9	4	15.9	1/2"	8900124	10.02	8920124-40	10.66	8910124	47.31	8930124-40	22.38	8940032	13.26
										8920124-50	11.38			8930124-50	22.81		
										8920124-60	13.39			8930124-60	27.69		
50	DN40 (1-1/2")	127	15.7	98.6	4	15.9	1/2"	8900125	10.99	8920125-40	10.66	8910125	44.23	8930125-40	22.38	8940033	15.57
										8920125-50	11.38			8930125-50	22.81		
										8920125-60	13.39			8930125-60	27.69		
63	DN50 (2")	152.4	17.5	120.7	4	19.1	5/8"	8900126	12.36	8920126-65	17.80	8910126	86.58	8930126-65	40.62	8940034	20.76
										8920126-80	24.05			8930126-80	56.62		
										8920126-100	23.98			8930126-100	49.84		
75	DN65 (2-1/2")	177.8	20.6	139.7	4	19.1	5/8"	8900127	21.71	8920127-65	17.80	8910127	152.02	8930127-65	40.62	8940035	27.68
										8920127-80	24.05			8930127-80	56.62		
										8920127-100	23.98			8930127-100	49.84		
90	DN80 (3")	190.5	22.4	152.4	4	19.1	5/8"	8900128	28.09	8920128-65	17.80	8910128	168.64	8930128-65	40.62	8940036	31.71
										8920128-80	24.05			8930128-80	56.62		
										8920128-100	23.98			8930128-100	49.84		

\*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 TYPE*	GALVANISED				316 SS					
								FLANGE	PRICE	BOLT SET - LENGTH (mm)	PRICE	FLANGE	PRICE	BOLT SET LENGTH (mm)	PRICE	GASKET	PRICE
110	DN100 (4")	228.6	22.4	190.5	8	19.1	5/8	8900129	63.32	8920129-110	66.88	8910129	POA	8930129-110	142.98	8940037	32.75
125	DN100 (4")	228.6	22.4	190.5	8	19.1	5/8	8900130	POA	8920130-110	66.88	8910130	POA	8930130-110	142.98	8940037	32.75
125	DN125 (5")	254.0	22.4	215.9	8	22.2	3/4	8900131	POA	8920131-130	103.77	8910131	POA	8930131-130	207.55	8940038	39.68
140	DN125 (5")	254.0	22.4	215.9	8	22.2	3/4	8900132	POA	8920132-130	103.77	8910132	POA	8930132-130	207.55	8940038	39.68
160	DN150 (6")	279.4	23.9	241.3	8	22.2	3/4	8900133	91.62	8920133-130	103.77	8910133	POA	8930133-130	207.55	8940039	47.51
180	DN150 (6")	279.4	23.9	241.3	8	22.2	3/4	8900134	POA	8920134-130	103.77	8910134	POA	8930134-130	207.55	8940039	47.51
200	DN200 (8")	342.9	26.9	298.5	8	22.2	3/4	8900135	POA	8920135-130	103.77	8910135	POA	8930135-130	207.55	8940040	56.73
225	DN200 (8")	342.9	26.9	298.5	8	22.2	3/4	8900136	POA	8920136-130	103.77	8910136	POA	8930136-130	207.55	8940040	56.73
250	DN250 (10")	406.4	28.4	362.0	12	25.4	7/8	8900137	POA	8920137-150	297.47	8910137	POA	8930137-150	716.68	8940041	75.63
280	DN250 (10")	406.4	28.4	362.0	12	25.4	7/8	8900138	POA	8920138-150	297.47	8910138	POA	8930138-150	716.68	8940041	75.63
315	DN300 (12")	482.6	30.2	431.8	12	25.4	7/8	8900139	POA	8920139-150	297.47	8910139	POA	8930139-150	716.68	8940042	105.16
355	DN350 (14")	533.4	33.3	476.3	12	28.6	1	8900140	POA	8920140-170	588.02	8910140	POA	8930140-170	795.56	8940043	127.30
400	DN400 (16")	596.9	35.1	539.8	16	28.6	1	8900141	POA	8920141-170	784.04	8910141	POA	8930141-170	1060.75	8940044	156.35
450	DN450 (18")	635.0	38.1	577.9	16	31.8	1.1/8	8900142	POA	8920142-190	618.01	8910142	POA	8930142-190	1718.41	8940045	169.73

\*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"

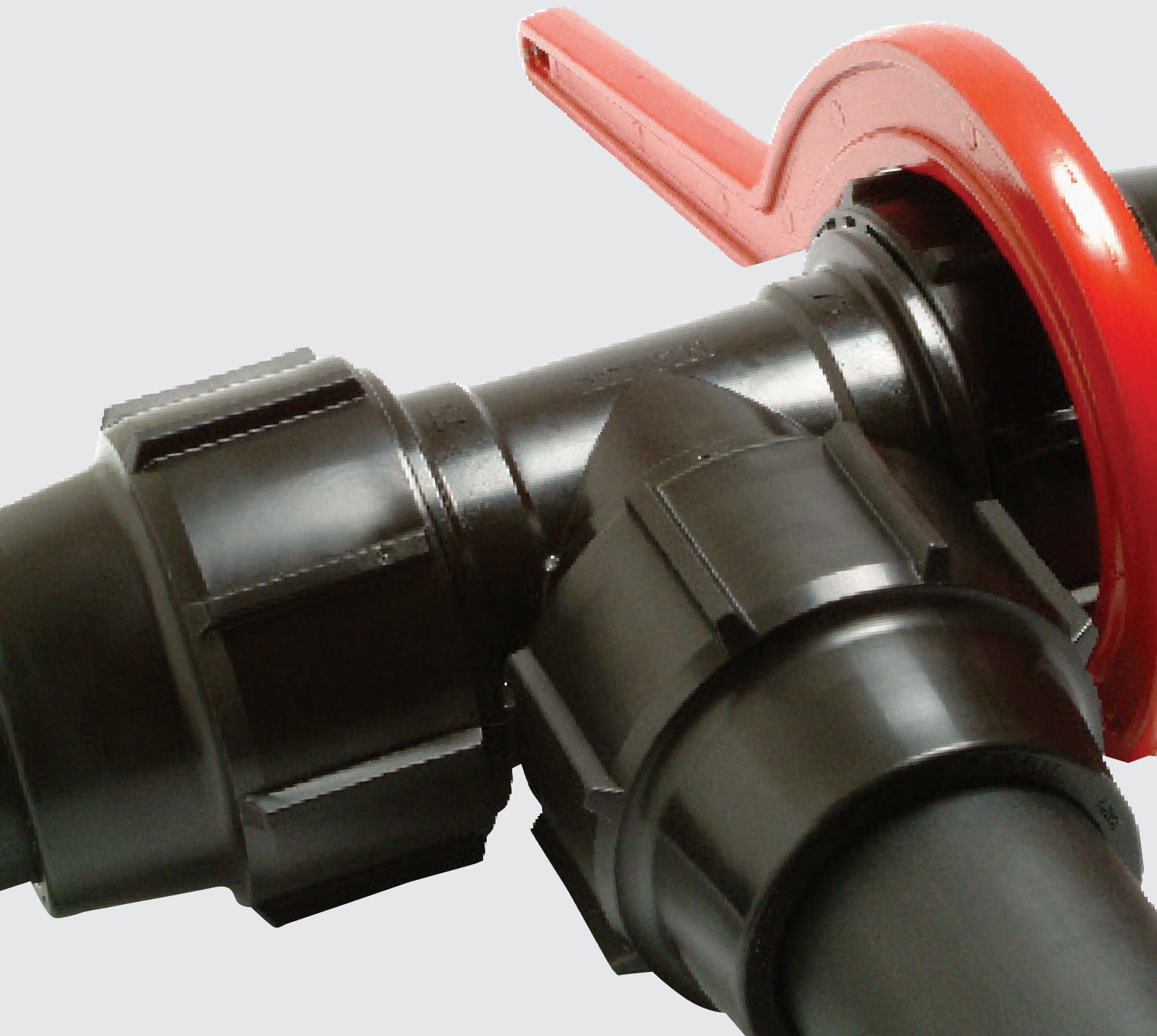
Please check suitability for your system.

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.

 **PLASSON**<sup>®</sup>

# 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  
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 blunt 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



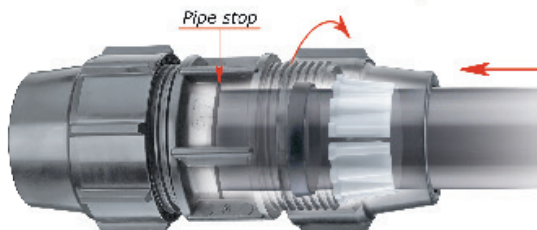
Cut pipe square, remove burrs and chamfer the end of the pipe with a file or chamfering tool. Use of a silicon based lubricant will ease the force required for pipe insertion.

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.

NOTE: For 63mm mine fittings, follow the assembly instructions for 75-125mm Metric Fittings on the following page. 63mm mine style fittings make joining coiled pipe simple.

# Assembly Instructions predictable and safe joining of coiled pipe

## 75 - 125mm Metric Fittings

**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.



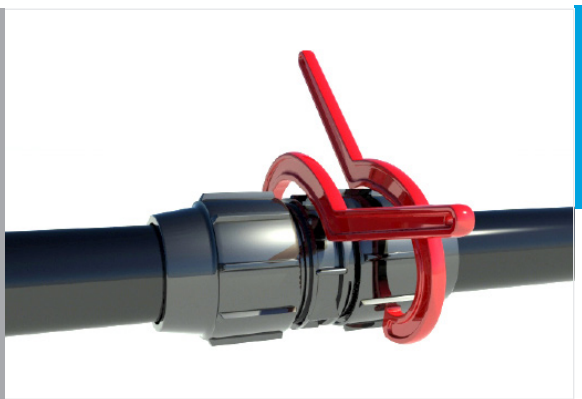
**5**



Open split ring and place on pipe with lugs touching bush. Reuse split rings only twice, blunt rings will not bite into pipe.



**6**



Firmly tighten with two Plasson C spanners or chain wrenches. Maximum handle length 45cm. Overtightening can cause blow outs.



# 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

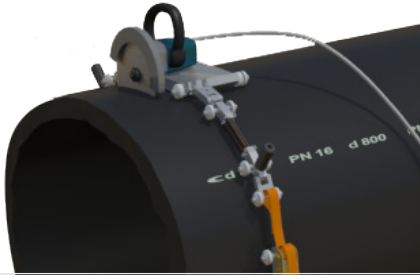


1. Remove any unsound material adhering to the pipe.
2. Select correct fitting using the Plasson gauge to measure the pipe.
3. Cut and de-burr pipe as necessary.
4. Slide the Plasson Universal Adaptor fitting end onto the pipe until the first resistance point.
5. Tighten the nut against the body. Final 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.

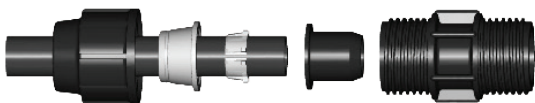
5



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

# Assembly Instructions

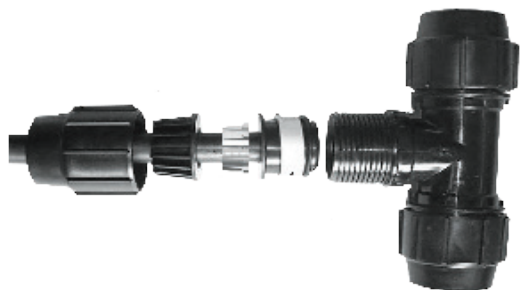
## Reducing Set 63 - 20mm and Combinations



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

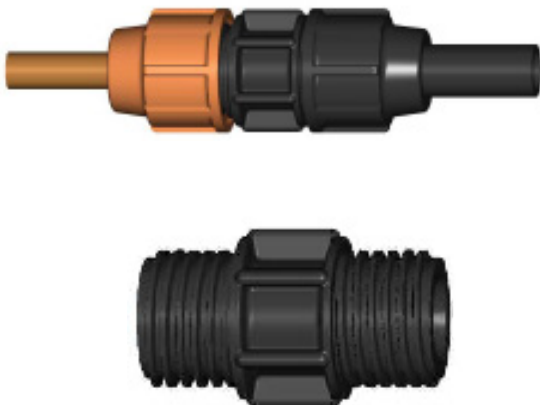
## Poly to Copper Fittings



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.

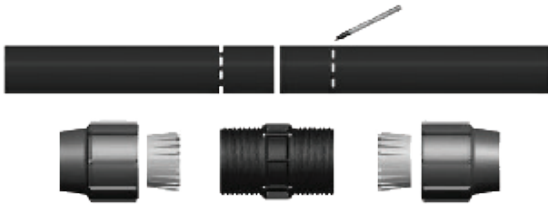
The unused black Plasson nuts and white split rings can be saved and used with Plasson bodies.

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

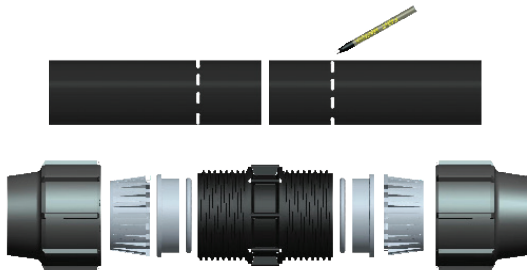


Assemble nuts on fitting body, hand tighten firmly then add 1/2 turn with Plasson wrench or wrench handle with length not exceeding 22cm.

# Assembly Instructions

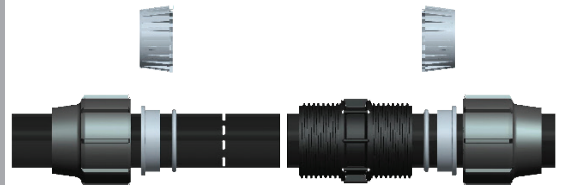
## Slip Repair Coupler DN63 (Mine) - 125mm

1



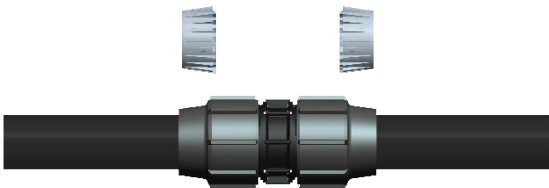
Mark insertion depth on pipe ends.  
Lubricate o-rings with inert lubricant.

2



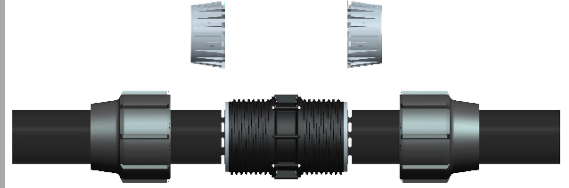
Put split rings aside, lift pipe end and slip nut, bush, o-ring and body fully onto pipe as shown.  
Lift other pipe end and slip remaining nut, bush and o-ring onto it.

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.

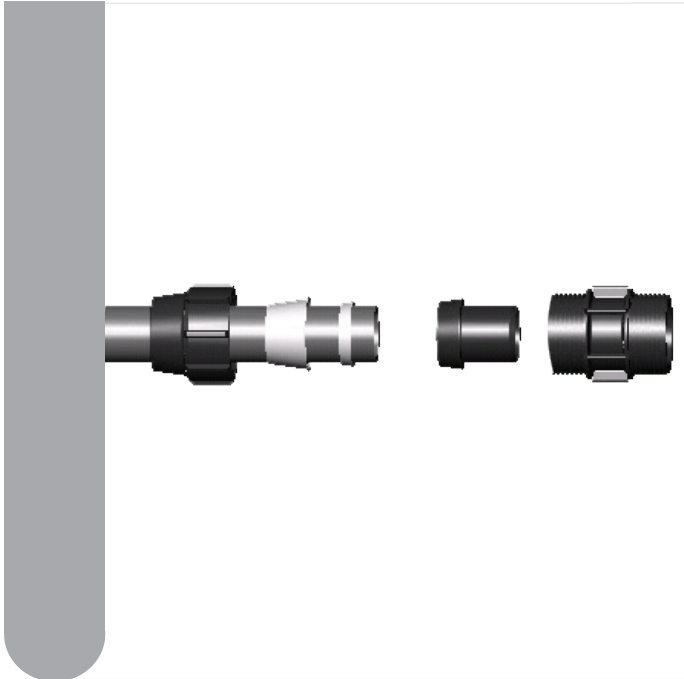
3



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 - Unthrust



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 unthrust 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 indicating 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 hereby 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 Plasjon 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.

## 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, wars, 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.



# Store Locator

When customers want to buy Plasson, make sure they can find you.



Register your store today at  
[plasson.com.au](http://plasson.com.au)



## **Sales**

Phone: 1300 752 776

Fax: 1300 248 027

Email: [sales@plasson.com.au](mailto:sales@plasson.com.au)

[www.plasson.com.au](http://www.plasson.com.au)

### **Sydney (Head Office)**

PO Box 6163, Alexandria NSW 2015

### **Brisbane (Office & Warehouse)**

49 Distribution Street, Larapinta QLD 4110

### **Melbourne (Warehouse)**

25 Business Park Drive, Ravenhall VIC 3023

### **Darwin (Warehouse)**

c/- Simon National Carriers, 76 Export Drive, East Arm NT 0822

PLASSON Australia Pty Ltd