



PLASSON[®]
AUSTRALIA

MINE SAFE FITTINGS

PLASSON.COM.AU

1300 752 776



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

FIXED RATIO PRESSURE REDUCING VALVE

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



Features and Benefits:

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

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

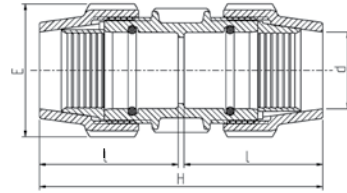
Technical Specifications:

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



Metric Mine - Coupling

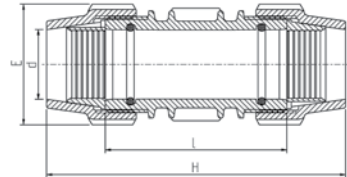
7015



Product Code	Size d x d	E	H	I	UB	UC	W	PN
7015001	63 x 63	113	230	113	1	30	741	16
7010021	110 x 110	181	393	194	1	5	3129	16

Metric Mine - Repair Coupling

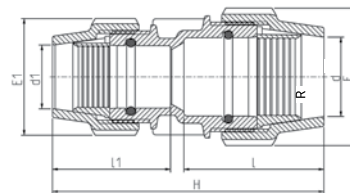
7615



Product Code	Size d x d	E	H	I	UB	UC	W	PN
7615001	63 x 63	113	270	170	1	24	836	16
7610009	110 x 110	181	393	197	1	5	3098	16

Metric Mine - Reducing Coupling

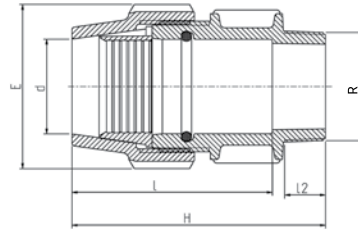
7115



Product Code	Size d x d1	E	E1	H	I	I1	UB	UC	W	PN
7115001	63 x 25	113	54	193	110	58	1	50	461	16
7115002	63 x 32	113	64	197	110	62	1	45	486	16
7115003	63 x 40	113	82	208	110	82	1	40	546	16
7115004	63 x 50	113	96	214	110	93	1	36	574	16
7115005	90 x 63	154	113	292	170	115	1	14	1415	16
7110029	110 x 63	181	181	393	194	131	1	5	3695	16
7110030	110 x 90	181	154	378	194	162	1	6	2643	16

Metric Mine - Male Adaptor

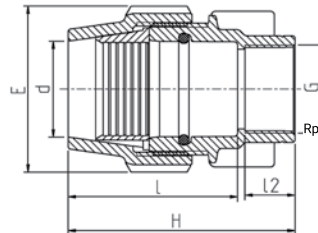
7025



Product Code	Size d x R	E	H	I	I2	UB	UC	W	PN
7025001	63 x 1 1/4"	113	154	123	22	1	48	443	16
7025002	63 x 1 1/2"	113	154	123	22	1	48	451	16
7025003	63 x 2"	113	167	123	26	1	48	461	16
7025004	63 x 2 1/2"	113	160	123	29	1	45	459	16
7020050	110 x 2"	181	261	213	26	1	10	1845	16
7020051	110 x 3"	181	256	213	34	1	10	1850	16
7020052	110 x 4"	181	265	213	42	1	8	1872	16

Metric Mine - Female Adaptor

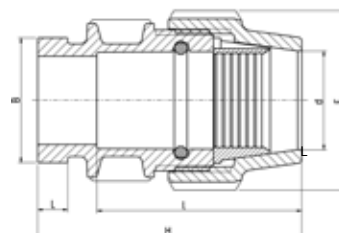
7035



Product Code	Size d x Rp	E	H	I	I2	UB	UC	W	PN
7035001	63 x 1 1/4"	113	139	110	25	1	48	417	16
7035002	63 x 1 1/2"	113	139	110	25	1	48	438	16
7035003	63 x 2"	113	148	110	30	1	48	443	16
7030039	110 x 3"	181	261	213	40	1	8	1919	6.3
7030040	110 x 4"	181	271	213	50	1	8	2048	6.3

Metric Mine - Shouldered Adaptor

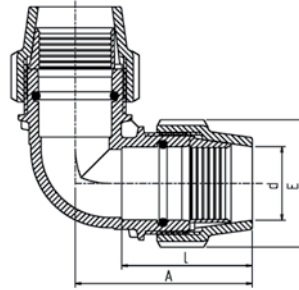
7325



Product Code	Size d x DN (inch)	E	I	L	H	B	UB	UC	W	PN
7325001	63 x 50 (2")	113	123	16	156	67	1	45	437	16
7320005	110 x 50 (2")	181	213	16	260	67	1	8	1900	16
7320003	110 x 100 (4")	181	213	16	255	123	1	8	1874	16

Metric Mine - 90° Elbow

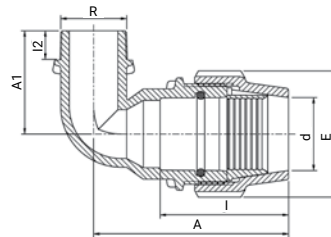
7055



Product Code	Size d x d	E	I	A	UB	UC	W	PN
7055001	63 x 63	113	110	151	1	24	838	16
7050015	110 x 110	181	194	292	1	4	3810	16

Metric Mine - 90° Elbow with Threaded Male Offtake

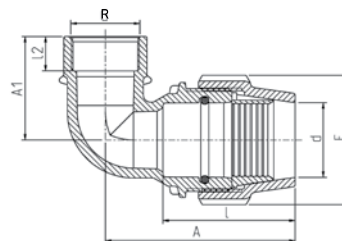
7855



Product Code	Size d x R	E	I	I2	A	A1	UB	UC	W	PN
7855001	63 x 1 1/4"	113	110	22	168	76	1	35	451	16
7855002	63 x 1 1/2"	113	110	22	168	76	1	35	468	16
7855003	63 x 2"	113	110	26	170	92	1	35	518	16
7850037	110 x 4"	181	194	42	274	140	1	6	2258	16

Metric Mine - 90° Elbow with Threaded Female Offtake

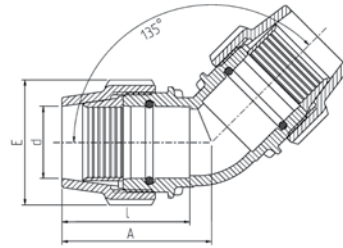
7155



Product Code	Size d x Rp	E	I	I2	A	A1	UB	UC	W	PN
7155001	63 x 1 1/4"	113	110	25	162	65	1	35	488	16
7155002	63 x 1 1/2"	113	110	25	162	69	1	35	504	16
7155003	63 x 2"	113	110	30	160	90	1	35	559	16

Metric Mine - 45° Elbow

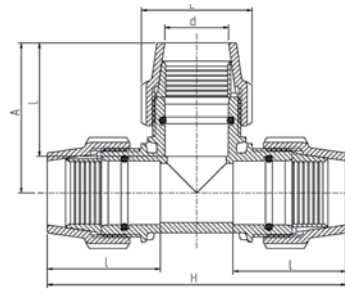
7065



Product Code	Size d x d	E	I	A	UB	UC	W	PN
7065005	63 x 63	113	110	130	1	24	772	16
7060007	110 x 110	181	194	235	1	5	3418	16

Metric Mine - 90° Tee

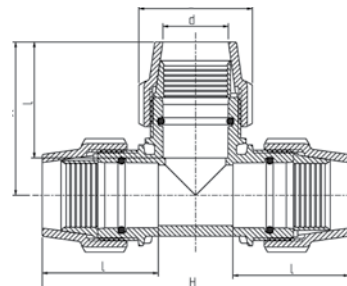
7045



Product Code	Size d x d x d	E	H	I	A	UB	UC	W	PN
7045001	63 x 63 x 63	113	294	110	146	1	16	1215	16
7040015	110 x 110 x 110	181	583	194	292	1	2	5584	16

Metric Mine - 90° Slip Tee

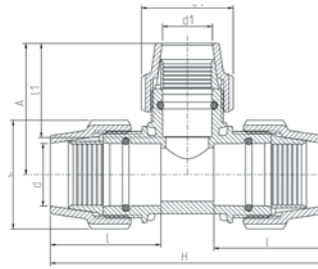
7046



Product Code	Size d x d x d	E	H	I	A	UB	UC	W	PN
7046007	63 x 63 x 63	113	294	110	146	1	16	1107	12.5

Metric Mine - 90° Reducing Tee

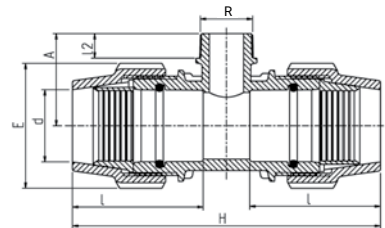
7345



Product Code	Size d x d1 x d	E	E1	H	I	I1	A	UB	UC	W	PN
7345001	63 x 32 x 63	113	64	268	113	62	118	1	20	892	16
7345002	63 x 40 x 63	113	82	268	113	84	139	1	20	962	16
7345003	63 x 50 x 63	113	96	275	110	93	132	1	18	1021	16
7240021	110 x 63 x 110	181	181	583	194	131	292	1	2	6127	16

Metric Mine - 90° Tee with Threaded Male Offtake

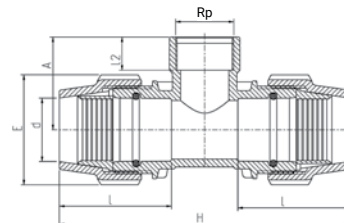
7845



Product Code	Size d x R x d	E	H	I	I2	A	UB	UC	W	PN
7845001	63 x 1 1/4" x 63	113	268	113	22	79	1	20	821	16
7845002	63 x 1 1/2" x 63	113	268	113	22	83	1	20	828	16
7845003	63 x 2" x 63	113	272	110	26	92	1	20	877	16

90° Tee with Threaded Female Offtake

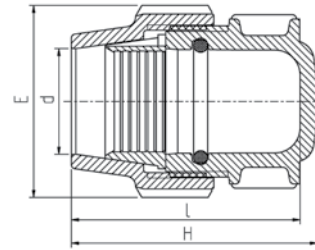
7145



Product Code	Size d x Rp x d	E	H	I	I2	A	UB	UC	W	PN
7145001	63 x 1 1/4" x 63	113	268	113	27	95	1	20	886	16
7145002	63 x 1 1/2" x 63	113	268	113	27	95	1	20	898	16
7145003	63 x 2" x 63	113	272	110	30	95	1	20	903	16

Metric Mine - End Plug

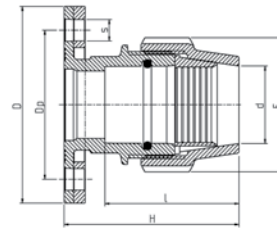
7125



Product Code	Size d	E	I	H	UB	UC	W	PN
7125001	63	113	122	145	1	45	448	16
7120018	110	181	213	231	1	10	1835	16

Metric Mine - Flange Coupling

7225

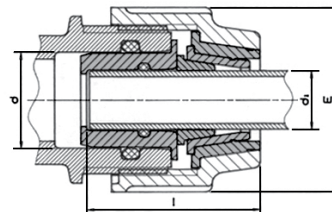


Product Code	Size d x ISO Flange	E	H	I	D	Dp	S	No of Holes	UC	W	PN
7225001	63 x 50 (2")	113	145	110	165	125	18	4	015	1563	16
7220006	110 x 100 (4")	181	235	222	220	180	18	8	8	3322	16

Flange galvanised via electroplating then protected with a proprietary passivation process.

Metric Mine - Reducing Set

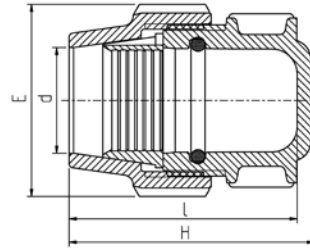
7930



Product Code	Size d x d1	E	I	UB	UC	W	PN
7930010	63 x 25	113	103	1	80	217	16
7930011	63 x 32	113	102	1	80	214	16
7930012	63 x 40	113	103	1	80	201	16
7930013	63 x 50	113	105	1	80	187	16
7930014	110 x 63	181	131	1	24	703	16
7930014	110 x 63	181	131	1	24	703	16

Mine Spray Nozzle

7120



Product Code	Suits Pipe	E	I	H	UB	UC	W	PN
7120101	RURAL 1"	54	77	90	10	200	78	10
7120102	RURAL 1 1/4"	64	87	100	5	180	128	10
7120103	RURAL 1 1/2"	82	97	120	1	100	218	10
7120104	METRIC 25	54	77	82	10	250	70	16
7120105	METRIC 32	64	87	92	5	180	106	16
7120106	METRIC 40	82	97	102	1	110	184	16

Suitable for use as spray nozzle for dust suppression. Spray pattern is large droplet though largely determined by system pressure.

Metric Wrench

7990



Product Code	Size	Material	UB	UC	W
7990007	40 - 75	Alloy	1	75	296
7990008	63 - 125	Alloy	1	40	840

INSTALL GUIDE

63MM - 125MM

WATCH INSTALL
INSTRUCTIONS



1



REMOVE NUT AND PUT GRIP RING ASIDE

PLACE NUT, BUSH AND O-RING ON PIPE TWO DIAMETERS
BACK FROM END

LUBRICATE PIPE AND O-RING

2



PUSH THE PIPE FULLY ONTO FITTING BODY UP TO END STOP

PUSH THE O-RING AND BUSH UP AGAINST FITTING BODY

**NOTE: THE O-RING AND BUSH WILL NOT ENTER THE FITTING
BODY**

3



TIGHTEN NUT TO PUSH BUSH AND O-RING INTO FITTING
UNTIL BUSH IS FLUSH WITH FITTING MOUTH

NOTE: THE GRIP RING IS STILL NOT INSTALLED AT THIS POINT

4



UNDO NUT AND SLIDE BACK ALONG PIPE

INSTALL GRIP RING TO LUGS ARE TOUCHING BUSH

**NOTE: IF REINSTALLING FITTINGS DESTROY OLD GRIP RINGS
AND REPLACE WITH NEW ONES TO ENSURE FIRM BITE**

5



FIRMLY HAND-TIGHTEN PLUS A 1/2 TURN WITH WRENCHES
MAXIMUM HANDLE LENGTH: 45CM

NOTE: OVER-TIGHTENING NUTS CAN CAUSE BLOWOUTS



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