



Plasson Series 1

The New Compact Fitting



TECHNICAL CATALOGUE



STANDARDSMARK
LICENSE NO. 2018
AS/NZS 4129

ipleX
Pipelines

Plasson Series 1

The New Compact Fitting



Plasson Series 1 — The new range of innovative fittings created by Plasson, market leader in design and manufacture of reliable fittings for polyethylene pipe systems.

Plasson Series 1 — Push fittings are designed to withstand 16 bar pressure rating. Inserting the pipe up to the fitting stop creates both the seal and the grip on the pipe.

Plasson Series 1 — Compact and attractive design makes this fitting ideal for the plumbing market, where space is limited and appearance is crucial. Simplicity of assembly makes both the professional and occasional user's job easier while retaining the Plasson reliability.

The combination of Plasson's current fitting range and the new Series 1, fulfill the requirements of all markets for PE pipe connections and connections to other pipe materials.

Plasson Series 1 features and benefits include:

- Aesthetically designed product — gives a professional finish to the job
- Assembly tools not required — simple push fit assembly
- Compact size — can be assembled in confined spaces
- Instant seal and integrity of joint — captive seal and no nuts to tighten
- Full end load performance — no need to restrain joints
- 50 year design life — provides total reliability
- Tamper resistant design — ensures system integrity
- Reduced stock shelf space
- Complies to AS/NZS 4129 Fittings for polyethylene (PE) pipes for pressure applications. License No. 2018

Technical Specifications

Materials

Compression Fittings

Body: Polypropylene, high grade copolymer

Nut: High Grade Polypropylene

Split Ring and Grip Ring: Acetal (POM)

Liner: Acetal (POM)

Seal: Nitrile rubber (NBR)

Reinforcing Ring: Stainless steel on all female offtakes from 1¼" up to 2"

Threaded Fittings

Body: Polypropylene, high grade copolymer

Reinforcing Ring: Stainless steel

Brass Threads: DZR

Operating Temperatures

The fittings are not to be used with hot water, although they withstand the same temperature as the polyethylene pipe itself.

The fittings will withstand sub-zero temperatures.

Chemical Resistance

Plasson fittings are supplied, as standard, with polyacetal split and grip rings and NBR seals which are suitable for water.

Operating Pressures and Quality Certificates

Plasson fittings sizes 20-63 are tested and approved according to AS/NZS 4129 PN16.



Threads

All threads conform to ISO - 7/1, BS 21, DIN 2999, NEN 3258, AS 1722 Part 1.

All external threads are tapered.

All internal threads are parallel.

Legend

UB	Units per bag
UC	Units per carton
W	Weight in grams

Note

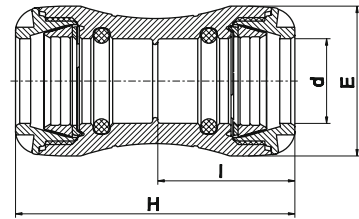
Before installation, ensure that the end of the pipe to be inserted into the fitting is free of scratches and other imperfections and that both the pipe and the fitting itself are free of sand, mud, stones, etc. If fittings are reused, ensure that the split ring and grip ring teeth are sharp and bite into the pipe, to avoid pullouts. If uncertain, replace the split ring and grip ring.

Note: We strongly recommend the use of PTFE tape in threaded connections.

For diameters 40mm and above, chamfering and lubrication of the pipe end will ease insertion (use silicone lubricant).

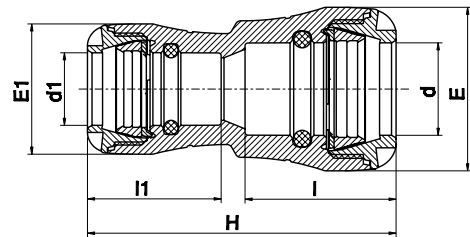


Coupler



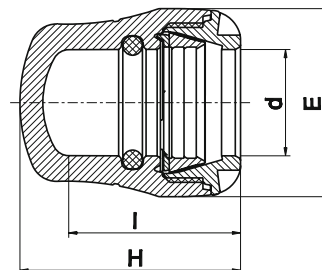
Iplex Code	Size d	E	H	I	UB	UC	W
3510.20	20	41	92	45	1	260	64
3510.25	25	47	98	48	1	200	80
3510.32	32	58	108	53	1	140	126
3510.40	40	70	142	70	1	90	234
3510.50	50	85	158	78	1	55	369
3510.63	63	103	183	90	1	30	620

Reducing Coupler



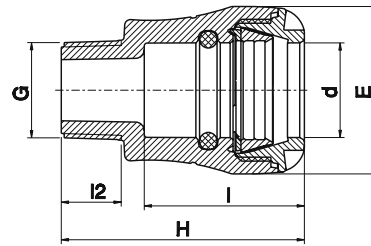
Iplex Code	Size d x d1	E	H	I	E1	I1	UB	UC	W
3523.25.20	25 x 20	47	100	48	41	45	1	200	75
3523.32.20	32 x 20	58	106	54	41	45	1	160	95
3523.32.25	32 x 25	58	110	54	47	48	1	180	109
3523.40.32	40 x 32	70	139	71	58	55	1	—	—
3523.50.25	50 x 25	85	151	79	47	51	1	—	—
3523.63.50	63 x 50	103	187	91	85	81	1	—	—

End Plug



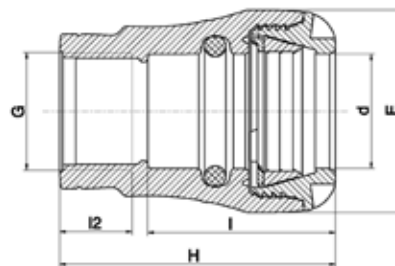
Iplex Code	Size d	E	H	I	UB	UC	W
3530.20	20	41	56	45	1	360	39
3530.25	25	47	60	48	1	300	50
3530.32	32	58	68	53	1	240	82
3530.40	40	70	90	71	1	150	146
2530.50	50	85	102	79	1	100	229
3530.63	63	103	117	91	1	55	379

Male Adaptor



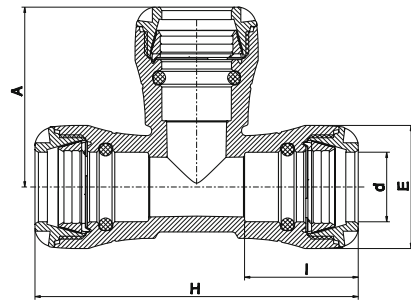
Iplex Code	Size d x G	E	H	I	l2	UB	UC	W
3513.20.15	20 x 1/2"	41	70	45	16	1	340	41
3513.25.20	25 x 3/4"	47	76	48	17	1	300	52
3513.32.25	32 x 1"	58	84	55	19	1	220	86
3513.40.32	40 x 1 1/4"	70	106	73	21	1	135	149
3513.50.40	50 x 1 1/2"	85	114	81	21	1	90	226
3513.63.50	63 x 2"	103	129	92	25	1	50	367

Female Adaptor



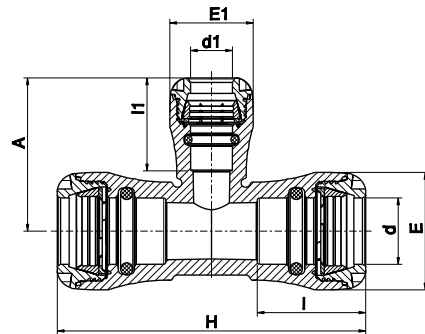
Iplex Code	Size d x G	E	H	I	l2	UB	UC	W
3506.20.15	20 x 1/2"	41	67	45	17	1	340	43
3506.25.20	25 x 3/4"	47	71	48	18	1	280	52
3506.32.25	32 x 1"	58	79	54	21	1	200	81
3506.40.32	40 x 1 1/4"	70	100	70	24	1	135	171
3506.50.40	50 x 1 1/2"	85	110	78	24	1	90	247
3506.63.50	63 x 2"	103	129	90	29	1	45	379

90° Tee



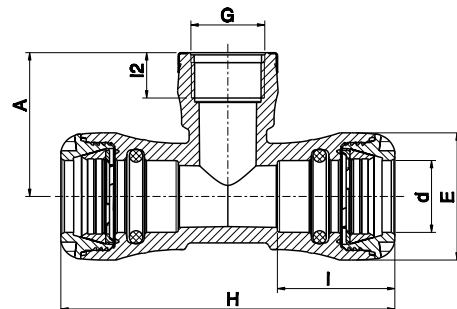
Iplex Code	Size d	E	H	A	I	UB	UC	W
3504.20	20	41	123	71	45	1	140	103
3504.25	25	47	134	78	48	1	130	137
3504.32	32	58	152	84	54	1	75	221
3504.40	40	70	192	108	70	1	45	429
3504.50	50	85	214	124	78	1	30	667
3504.63	63	103	262	147	90	1	14	1157

90° Reducing Tee



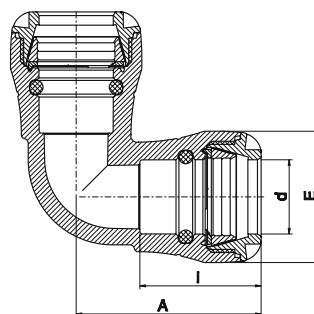
Iplex Code	Size d x d1 x d	H	A	E	E1	I	I1	UB	UC	W
3505.25.20	25 x 20 x 25	134	73	47	41	48	46	1	—	—
3505.32.20	32 x 20 x 32	152	75	58	41	54	46	1	—	—
3505.32.25	32 x 25 x 32	152	81	58	47	54	49	1	—	—

90° Tee with Threaded Female Offtake



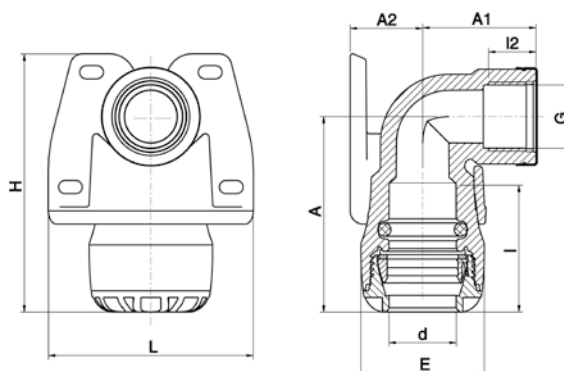
Iplex Code	Size d x G	E	H	A	I	I2	UB	UC	W
3503.20.15	20 x 1/2"	41	123	43	45	17	1	200	84
3503.25.15	25 x 1/2"	47	134	46	48	17	1	—	—
3503.25.20	25 x 3/4"	47	134	48	48	18	1	—	—
3503.32.25	32 x 1"	58	152	55	54	21	1	—	—

90° Elbow



Iplex Code	Size d	E	A	I	UB	UC	W
3501.20	20	41	67	45	1	200	75
3501.25	25	47	73	48	1	190	96
3501.32	32	58	81	54	1	130	157
3501.40	40	70	106	70	1	65	291
3501.50	50	85	119	78	1	40	462
3501.63	63	103	141	90	1	25	799

Wall Plate Elbow

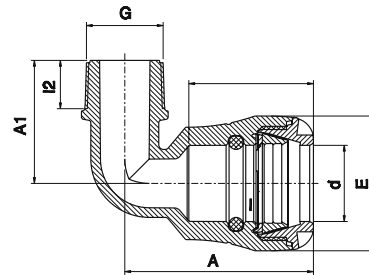


Iplex Code	Size d x G	E	I	I2	A	A1	A2	L	H	UB	UC	W
3509.20.15	20 x 1/2"	41	45	17	67	39	28	73	95	1	—	—

Plasson Series 1

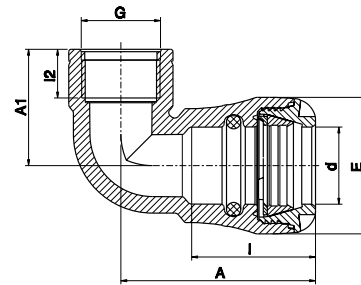
The New Compact Fitting

90° Elbow with Threaded Male Offtake



Iplex Code	Size d x G	E	A	I	A1	I2	UB	UC	W
3507.25.20	25 x ¾"	47	74	48	45	17	1	250	64
3507.32.25	32 x 1"	58	81	53	53	19	1	180	92

90° Elbow with Threaded Female Offtake



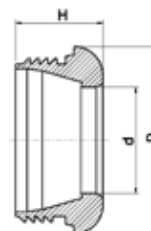
Iplex Code	Size d x G	E	I	A	A1	I2	UB	UC	W
3508.20.15	20 x ½"	41	45	67	39	17	1	240	51
3508.25.15	25 x ½"	47	48	74	40	17	1	250	63
3508.25.20	25 x ¾"	47	48	74	43	18	1	250	70
3508.32.25	32 x 1"	58	54	83	49	21	1	160	111
3508.50.40	50 x 1½"	58	54	83	45	18	1	180	95
3508.63.50	63 x 2"	58	54	83	49	21	1	160	111

Plasson Series 1 Wrench



Iplex Code	Size	UB	UC	W
Wrench.20.32	20 - 32	1	300	57
Wrench.40.63	40 - 63	1	100	285

Nut



Size d	D	H	UB	UC	W
20	40	22	50	700	7
25	45	22	50	500	8
32	57	24	50	300	15
40	68	33	—	400	29
50	83	37	—	125	44
63	100	43	—	100	60

O-Ring



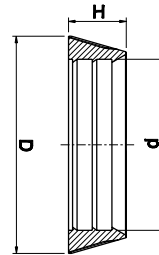
Pipe Size	E	e	UB	UC	W
20	19	4	50	32000	1
25	24	5	50	16000	2
32	31	6	50	10000	4

Shaped Seal



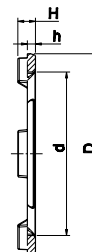
Pipe Size	E	e	UB	UC	W
40	38	10	50	4000	8
50	48.6	10.5	50	2500	11
63	60.6	11.2	50	2000	15

Split Ring



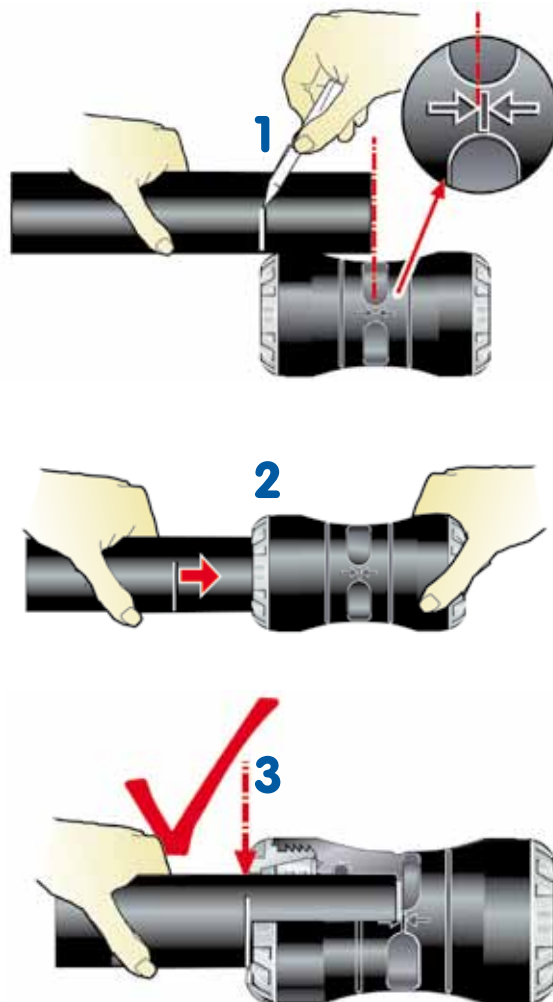
Size d	D	H	UB	UC	W
20	27	9	50	6000	2
25	33	9	50	4500	3
32	42	11	50	2000	4
40	52	14	—	1600	14
50	64	17	—	500	14
63	81	21	—	500	27

Grip Ring

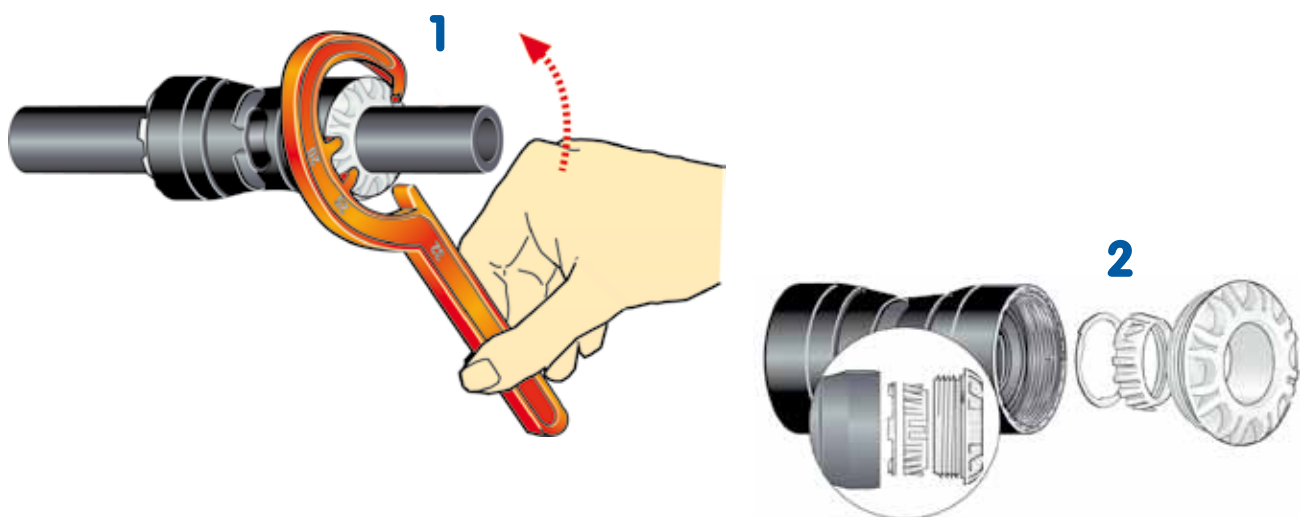


Size d	D	H	h	UB	UC	W
20	27	3.8	1.8	50	7000	1
25	33	3.7	1.7	50	5500	1
32	42	3.7	1.7	50	3000	1
40	52	4.0	2.2	50	2500	2
50	64	4.3	2.5	50	1000	3
63	80	4.8	3.0	50	1000	6

Installation Instructions



Disassembly



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