

# Mechanical Fittings & Valves

Product List and Technical Catalogue

2015



Global Presence - Local Commitment



Plasson's innovative products revolutionized the way of connecting polyethylene pipes in the 1960's. We started with fittings for agricultural irrigation and later developed products for urban water distribution.


Nowadays, water delivery systems in some of the world's great cities, owe their excellence to Plasson's innovative research and development.

We have achieved superior designs and products, the widest range of fittings and adaptors and a genuine commitment to quality, delivery and service.

Plasson continues to strive for the future environment. By buying Plasson products, you help us to invest in our vision of a world where clean, pure water will be everyone's birthright.

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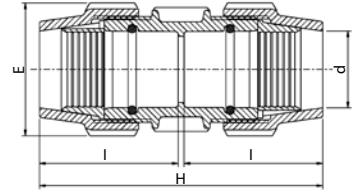
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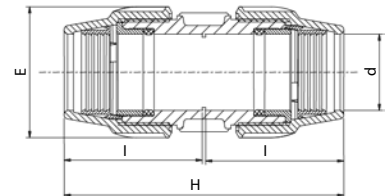
**Coupler**

**7010**



Size d x d	E	H	I	UB	UC	W
16 x 16	39	105	50	10	400	52
20 x 20	48	122	59	10	200	93
25 x 25	54	126	61	10	180	110
32 x 32	64	145	71	5	100	187
40 x 40	82	177	87	—	75	310
50 x 50	96	201	98	—	45	455
63 x 63	113	230	113	—	30	741
125 x 125	212	460	225	—	3	5347

**87010**

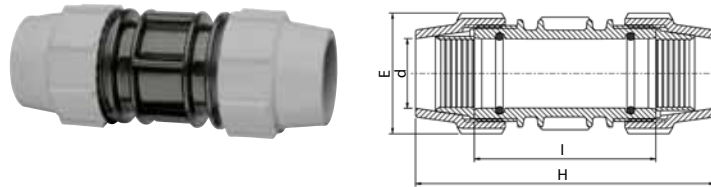


Size d x d	E	H	I	UB	UC	W
75 x 75	132	289	143	—	16	1250
90 x 90	152	334	164	—	9	1893
110 x 110	181	398	196	—	5	3321



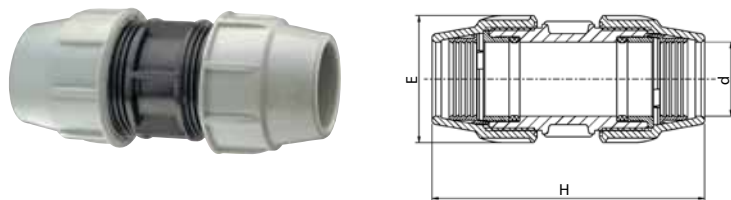
**Repair Coupler**

**7610**



Size d x d	E	H	I	UB	UC	W
20 x 20	48	122	78	10	240	141
25 x 25	54	136	90	10	150	119
32 x 32	64	174	120	5	80	202
40 x 40	82	215	148	—	55	360
50 x 50	96	244	158	—	30	534
63 x 63	113	270	170	—	24	826
125 x 125	212	460	265	—	3	5318

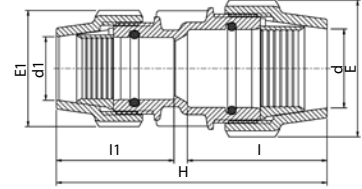
**87610**



Size d x d	E	H	UB	UC	W
75 x 75	132	289	—	16	1205
90 x 90	152	334	—	9	1938
110 x 110	181	398	—	5	3250

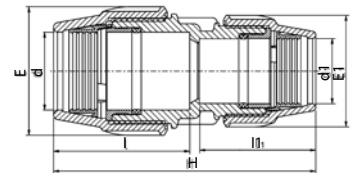
## Reducing Coupler

**7110**



Size d x d1	E	E1	H	I	I1	UB	UC	W
20 x 16	48	39	111	57	50	10	300	74
25 x 16	54	39	113	58	50	10	220	88
25 x 20	54	48	119	58	57	10	200	100
32 x 20	64	48	140	67	57	5	150	142
32 x 25	64	54	133	67	58	5	120	143
40 x 25	82	54	156	84	58	—	90	213
40 x 32	82	64	156	84	67	—	90	244
50 x 25	96	54	176	93	58	—	70	304
50 x 32	96	64	175	98	62	—	70	341
50 x 40	96	82	184	93	84	—	60	380
63 x 25	113	54	193	110	58	—	50	461
63 x 32	113	64	197	110	62	—	45	486
63 x 40	113	82	208	110	82	—	40	546
63 x 50	113	96	214	110	93	—	36	586

**87110**

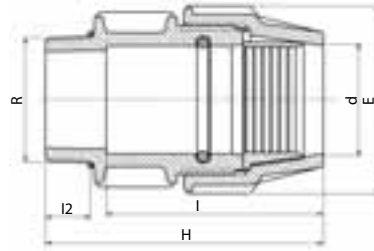


Size d x d1	E	E1	H	I	I1	UB	UC	W
75 x 50	132	96	250	137	98	—	22	915
75 x 63	132	113	257	137	112	—	18	960
90 x 63	152	113	291	169	115	—	12	1393
90 x 75	152	132	316	169	139	—	10	1659
110 x 90	181	152	380	196	161	—	6	2715

## Male Adaptor

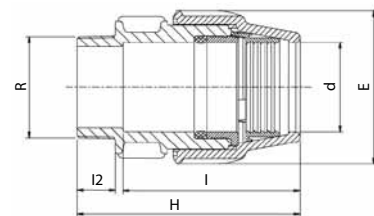
Metric x MI BSP

**7020**



Size d x R	E	H	I	I2	UB	UC	W
16 x 3/8"	39	76	59	13	10	600	33
16 x 1/2"	39	79	59	16	10	500	34
16 x 3/4"	39	79	59	17	10	500	35
20 x 1/2"	48	92	71	17	10	350	58
20 x 3/4"	48	92	71	18	10	350	59
20 x 1"	48	86	52	20	10	350	60
25 x 1/2"	54	94	72	17	10	250	68
25 x 3/4"	54	95	72	18	10	250	76
25 x 1"	54	97	72	20	10	250	79
32 x 3/4"	64	106	83	18	5	150	113
32 x 1"	64	107	83	20	5	150	122
32 x 1 1/4"	64	110	83	22	5	150	114
32 x 1 1/2"	64	110	83	22	5	140	127
40 x 1"	82	118	91	20	—	110	184
40 x 1 1/4"	82	117	90	22	—	110	185
40 x 1 1/2"	82	117	90	22	—	100	184
40 x 2"	82	123	91	26	—	100	208
50 x 1"	96	133	106	20	—	70	264
50 x 1 1/4"	96	136	106	22	—	70	264
50 x 1 1/2"	96	136	109	22	—	70	275
50 x 2"	96	140	109	26	—	65	282
63 x 1 1/4"	113	154	123	22	—	48	443
63 x 1 1/2"	113	154	123	22	—	48	451
63 x 2"	113	167	132	26	—	48	461
63 x 2 1/2"	113	160	123	29	—	45	459

**87020**

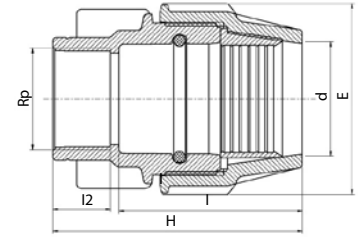


Size d x R	E	H	I	I2	UB	UC	W
75 x 2"	132	189	156	26	—	28	737
75 x 2 1/2"	132	192	156	29	—	28	752
75 x 3"	132	196	156	33	—	25	747
90 x 2"	152	226	169	26	—	16	1142
90 x 2 1/2"	152	229	169	29	—	16	1142
90 x 3"	152	232	169	33	—	16	1133
90 x 4"	152	238	169	38	—	12	1133
110 x 2"	181	263	215	26	—	8	1929
110 x 3"	181	259	215	33	—	8	1929
110 x 4"	181	267	215	42	—	8	1940

## Female Adaptor

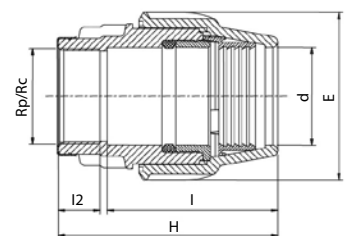
Metric x MI BSP

**07030**



Size d x Rp	E	H	I	l2	UB	UC	W
16 x 1/2"	39	73	52	19	10	500	36
16 x 3/4"	39	75	53	19	10	500	36
20 x 1/2"	48	82	60	19	10	350	60
20 x 3/4"	48	82	60	19	10	350	58
20 x 1"	48	92	57	21	10	300	68
25 x 3/4"	54	88	63	21	10	250	83
25 x 1"	54	88	63	21	10	250	78
32 x 3/4"	64	94	73	19	5	150	106
32 x 1"	64	94	69	21	5	150	108
32 x 1 1/4"	64	96	67	25	5	140	140
40 x 1"	82	112	84	21	—	110	178
40 x 1 1/4"	82	114	84	25	—	110	202
40 x 1 1/2"	82	114	84	25	—	100	225
50 x 1 1/4"	96	123	93	25	—	75	275
50 x 1 1/2"	96	123	93	25	—	70	276
50 x 2"	96	128	93	30	—	70	293
63 x 1 1/4"	113	139	110	25	—	48	417
63 x 1 1/2"	113	139	110	25	—	48	435
63 x 2"	113	148	110	30	—	48	442

**87030**

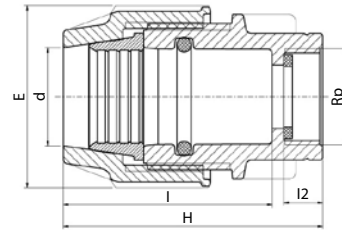


Size d x Rp/Rc	E	H	I	l2	UB	UC	W
75 x 2"	132	181	137	30	—	27	709
75 x 2 1/2"	132	175	137	33	—	27	759
90 x 2"	152	212	182	30	—	14	1130
90 x 3"	152	222	182	40	—	14	1183
90 x 4"	152	242	182	50	—	12	1430
110 x 3"	181	263	215	42	—	8	2003
110 x 4"	181	273	215	52	—	8	2132

## Female Adaptor

Parallel Thread

**7060\***

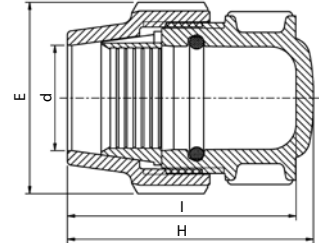


Size d x Rp	E	H	I	I2	UB	UC	W
25 x 3/4"	54	88	63	12	10	250	83
25 x 1"	54	88	63	14	10	250	78
32 x 1"	64	89	72	14	5	150	115

\* For connecting parallel male thread

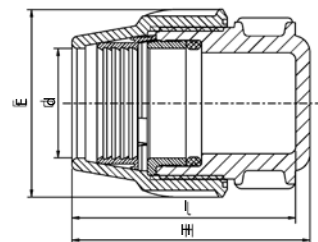
**End Plug**

**7120**



Size d	E	I	H	UB	UC	W
20	48	74	79	10	350	57
25	54	77	82	10	250	72
32	64	87	92	5	180	108
40	82	97	102	—	110	186
50	96	114	121	—	75	269
63	113	122	145	—	45	446

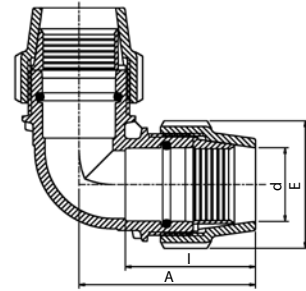
**87120**



Size d	E	I	H	UB	UC	W
75	132	161	177	—	28	740
90	152	169	211	—	16	1082
110	181	221	234	—	10	1920

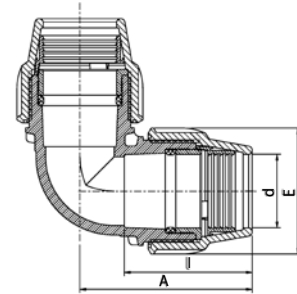
**90° Elbow**

**7050**



Size d x d	E	I	A	UB	UC	W
16 x 16	39	50	63	10	400	57
20 x 20	48	56	73	10	200	95
25 x 25	54	68	79	10	150	122
32 x 32	64	27	93	5	100	187
40 x 40	82	82	108	—	60	341
50 x 50	96	93	127	—	35	495
63 x 63	113	110	151	—	24	836

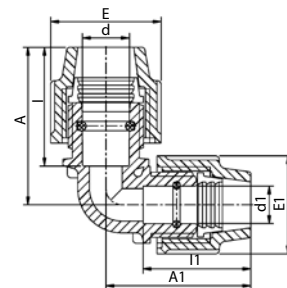
**87050**



Size d x d	E	I	A	UB	UC	W
75 x 75	132	137	184	—	12	1362
90 x 90	152	161	216	—	8	2171
110 x 110	181	196	294	—	4	3997

**90° Reducing Elbow**

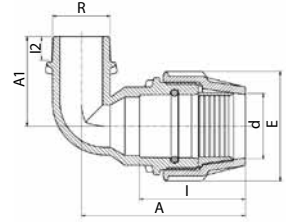
**7510**



Size d x d1	E	E1	I	I1	A	A1	UB	UC	W
25 x 20	54	48	58	57	90	75	10	180	114

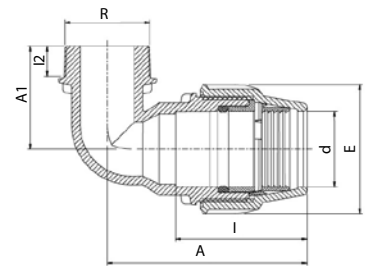
**90° Elbow with  
with Male Offtake**

**7850**



Size d x R	E	I	I2	A	A1	UB	UC	W
20 x 1/2"	48	57	17	74	41	10	350	55
20 x 3/4"	48	57	18	76	43	10	300	64
25 x 1/2"	54	58	17	85	47	10	240	70
25 x 3/4"	54	58	18	90	48	10	250	79
25 x 1"	54	58	20	90	54	10	240	84
32 x 3/4"	64	67	18	104	55	5	140	116
32 x 1"	64	67	20	104	55	5	140	128
32 x 1 1/4"	64	67	22	104	58	5	140	135
40 x 1"	82	84	20	124	60	—	90	194
40 x 1 1/4"	82	84	22	124	66	—	90	205
40 x 1 1/2"	82	84	22	124	66	—	80	218
50 x 1"	96	93	20	140	71	—	55	293
50 x 1 1/4"	96	93	22	144	74	—	55	301
50 x 1 1/2"	96	93	22	144	74	—	55	320
50 x 2"	96	93	26	144	76	—	55	368
63 x 1 1/4"	113	110	22	168	76	—	35	451
63 x 1 1/2"	113	110	22	168	76	—	35	465
63 x 2"	113	110	26	170	92	—	35	518

**87850**

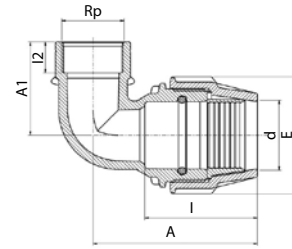


Size d x G	E	I	I2	A	A1	UB	UC	W
75 x 2 1/2"	132	137	30	207	105	—	18	872
75 x 3"	132	137	33	207	110	—	18	934
90 x 3"	152	164	33	232	110	—	12	1356
110 x 4"	181	196	42	276	140	—	6	2320



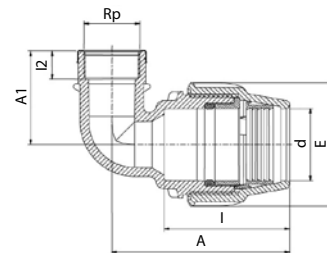
**90° Elbow**  
with Female Offtake

**7150**



Size d x Rp	E	I	I2	A	A1	UB	UC	W
16 x 1/2"	39	50	19	66	39	10	500	38
20 x 1/2"	48	54	19	78	40	10	350	61
20 x 3/4"	48	57	19	78	44	10	300	71
25 x 1/2"	54	58	18	81	46	10	250	86
25 x 3/4"	54	58	19	81	46	10	250	81
25 x 1"	54	58	21	83	50	10	220	90
32 x 3/4"	64	67	18	95	54	5	150	143
32 x 1"	64	67	21	95	54	5	150	136
32 x 1 1/4"	64	67	25	99	60	5	120	167
40 x 1"	82	84	21	119	52	—	100	201
40 x 1 1/4"	82	84	25	119	62	—	90	232
40 x 1 1/2"	82	84	25	119	62	—	80	261
40 x 2"	82	84	30	119	75	—	65	293
50 x 1"	96	93	21	133	57	—	70	280
50 x 1 1/4"	96	93	25	133	67	—	60	312
50 x 1 1/2"	96	93	25	135	66	—	60	336
50 x 2"	96	93	30	138	85	—	45	384
63 x 1 1/4"	113	110	25	162	65	—	35	486
63 x 1 1/2"	113	110	25	162	69	—	35	503
63 x 2"	113	110	30	160	90	—	35	553

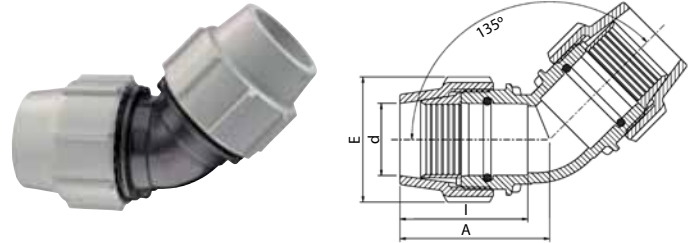
**87150**



Size d x Rp	E	I	I2	A	A1	UB	UC	W
75 x 2"	132	137	30	193	100	—	22	860
75 x 2 1/2"	132	137	36	196	105	—	18	933
75 x 3"	132	137	36	196	105	—	18	982

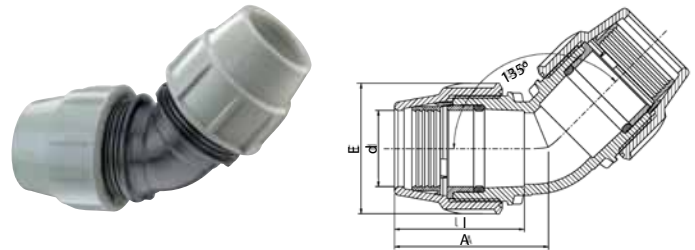
**45° Elbow**

**7460**



Size d x d	E	I	A	UB	UC	W
32 x 32	64	67	92	5	100	188
40 x 40	82	84	99	—	60	330
50 x 50	96	93	110	—	40	474
63 x 63	113	110	130	—	24	772

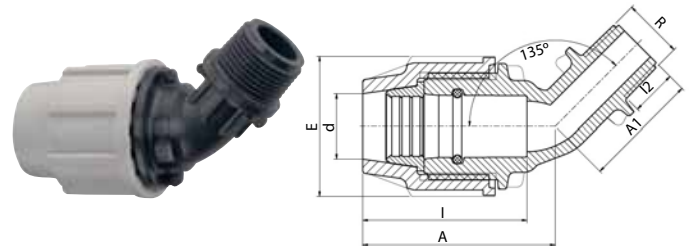
**87060**



Size d x d	E	I	A	UB	UC	W
75 x 75	132	137	159	—	12	1265
90 x 90	152	164	194	—	8	2040
110 x 110	181	196	237	—	4	3550

**45° Elbow  
with Male Offtake**

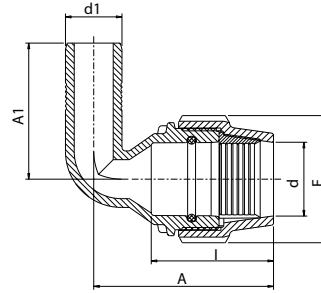
**7450**



Size d x R	E	I	I2	A	A1	UB	UC	W
20 x 1/2"	48	57	17	64	40	10	350	54
20 x 3/4"	48	57	18	64	41	10	350	55

**90° Spigot Elbow**

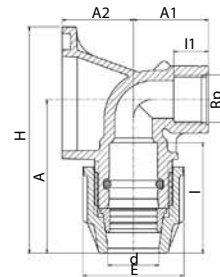
**7350**



Size d x d1	E	I	A	A1	UB	UC	W
40 x 40	82	84	118	106	—	80	148
40 x 50	82	84	118	120	—	70	275
50 x 40	96	93	136	106	—	60	179
50 x 50	96	93	136	120	—	55	355
63 x 40	113	110	161	106	—	40	450
63 x 50	113	110	161	120	—	35	495

**Wall Plate Elbow PP**

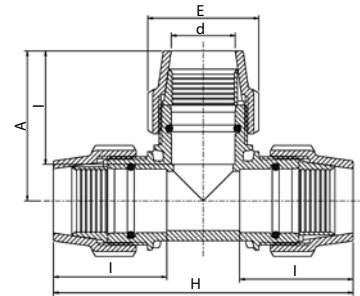
**7750**



Size d x Rp	E	I	I2	A	A1	A2	H	UB	UC	W
16 x 1/2"	39	50	18	76	40	38	110	1	150	98
20 x 1/2"	48	57	18	78	40	38	110	1	150	92
25 x 3/4"	54	58	19	81	40	38	120	1	100	115

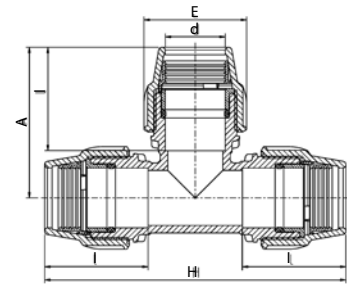
**90° Tee**

**7040**



Size d x d x d	E	H	I	A	UB	UC	W
16 x 16 x 16	39	126	50	63	10	220	83
20 x 20 x 20	48	145	56	73	10	120	141
25 x 25 x 25	54	156	58	78	5	100	173
32 x 32 x 32	64	185	67	93	5	60	285
40 x 40 x 40	82	221	86	111	—	40	498
50 x 50 x 50	96	252	95	126	—	25	736
63 x 63 x 63	113	294	110	146	—	16	1213

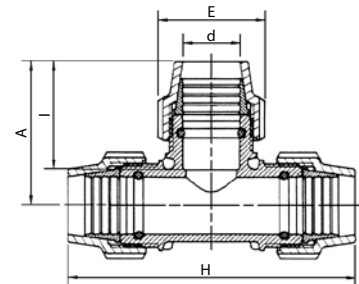
**87040**



Size d x d x d	E	H	I	A	UB	UC	W
75 x 75 x 75	132	364	137	182	—	8	1947
90 x 90 x 90	152	438	164	219	—	5	3235
110 x 110 x 110	181	588	196	294	—	2	5880

**Repair Tee**

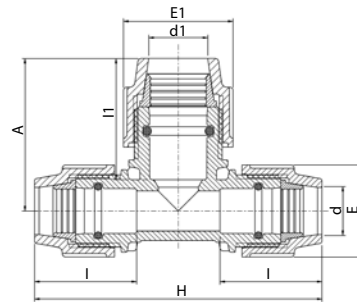
**7045**



Size d x d x d	E	H	I	A	UB	UC	W
20 x 20 x 20	48	145	56	73	10	120	133
25 x 25 x 25	54	156	58	78	5	100	173
32 x 32 x 32	64	185	67	93	5	60	280
40 x 40 x 40	82	221	86	111	—	40	484
50 x 50 x 50	96	252	95	126	—	25	716
63 x 63 x 63	113	294	110	146	—	16	1107

### 90° Enlarging Tee

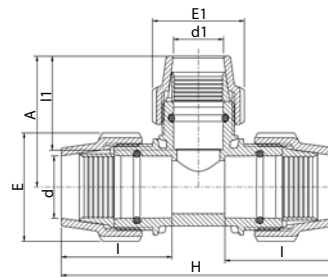
**7740**



Size d x d1 x d	E	E1	H	I	I1	A	UB	UC	W
25 x 32 x 25	54	64	156	58	69	87	5	80	220

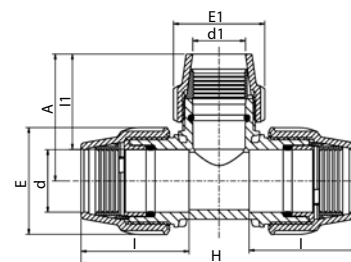
### 90° Reducing Tee

**7340**



Size d x d1 x d	E	E1	H	I	I1	A	UB	UC	W
20 x 16 x 20	48	39	137	57	50	70	10	150	125
25 x 20 x 25	54	48	150	58	57	74	5	100	166
32 x 25 x 32	64	54	173	67	58	63	5	70	254
40 x 25 x 40	82	54	205	84	58	84	—	45	412
40 x 32 x 40	82	64	207	82	67	97	—	40	430
50 x 25 x 50	96	54	228	93	76	105	—	30	542
50 x 32 x 50	96	64	230	93	67	117	—	30	587
50 x 40 x 50	96	82	236	93	82	114	—	30	643
63 x 32 x 63	113	64	268	113	62	118	—	20	892
63 x 40 x 63	113	82	268	113	84	139	—	20	961
63 x 50 x 63	113	96	275	110	93	132	—	18	1019

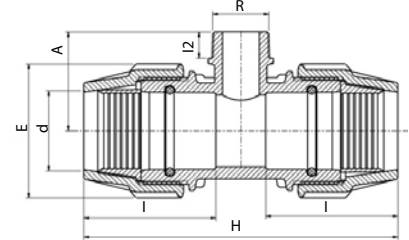
**87340**



Size d x d1 x d	E	E1	H	I	I1	A	UB	UC	W
75 x 63 x 75	132	113	364	137	109	153	—	10	1661

**Tee**  
with Male Offtake

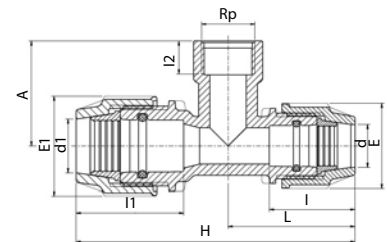
**7840**



Size d x R x d	E	H	I	I2	A	UB	UC	W
20 x 1/2" x 20	48	138	56	17	46	10	180	105
20 x 3/4" x 20	48	144	56	18	46	10	180	108
25 x 1/2" x 25	54	146	58	17	48	5	140	134
25 x 3/4" x 25	54	146	58	18	50	5	140	124
32 x 1" x 32	64	170	67	20	58	5	80	218
40 x 1 1/4" x 40	82	205	84	22	71	—	50	373
40 x 1 1/2" x 40	82	205	84	22	71	—	50	376
50 x 1 1/4" x 50	96	230	93	22	77	—	36	508
50 x 1 1/2" x 50	96	230	93	22	77	—	36	521
50 x 2" x 50	96	230	93	26	82	—	36	521
63 x 1 1/4" x 63	113	268	113	22	79	—	20	821
63 x 1 1/2" x 63	113	268	113	22	83	—	20	828
63 x 2" x 63	113	272	110	26	92	—	20	876

**Tee**  
with Female Offtake

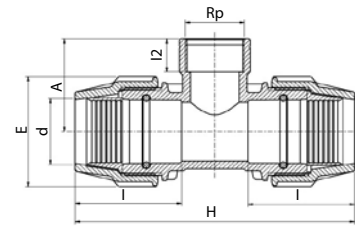
**7140**



Size d x Rp x d	E	E1	H	L	I	I1	I2	A	UB	UC	W
20 x 3/4" x 16	48	39	132	69	52	50	19	42	10	180	86
25 x 3/4" x 20	54	48	139	70	53	52	22	42	5	140	145
32 x 1" x 25	64	54	169	91	67	58	22	58	5	80	176

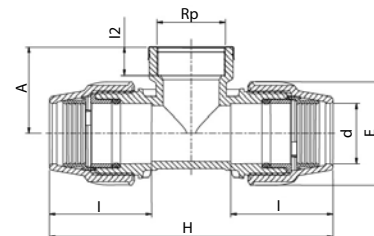
**90° Tee**  
with Female Offtake

**7140**



Size d x Rp x d	E	H	I	I2	A	UB	UC	W
16 x 1/2" x 16	39	122	50	17	42	10	240	66
16 x 3/4" x 16	39	122	50	19	41	10	240	65
20 x 1/2" x 20	48	144	56	18	42	10	180	104
20 x 3/4" x 20	48	144	56	19	45	10	180	110
25 x 1/2" x 25	54	151	58	18	45	5	140	131
25 x 3/4" x 25	54	151	58	19	48	5	140	140
25 x 1" x 25	54	158	58	21	53	5	100	139
25 x 1 1/4" x 25	54	158	58	25	64	5	80	194
32 x 3/4" x 32	64	177	67	19	51	5	80	210
32 x 1" x 32	64	177	67	21	54	5	80	213
32 x 1 1/4" x 32	64	182	67	25	65	5	60	253
32 x 1 1/2" x 32	64	182	67	25	71	5	60	268
40 x 1" x 40	82	203	84	21	61	—	60	348
40 x 1 1/4" x 40	82	217	69	24	70	—	55	403
40 x 1 1/2" x 40	82	217	84	25	70	—	50	412
40 x 2" x 40	82	217	84	30	78	—	45	424
50 x 1 1/2" x 50	96	244	93	25	76	—	36	572
50 x 2" x 50	96	244	93	30	80	—	30	588
63 x 1 1/4" x 63	113	268	113	27	95	—	20	886
63 x 1 1/2" x 63	113	268	113	27	95	—	20	888
63 x 2" x 63	113	272	110	30	95	—	20	904

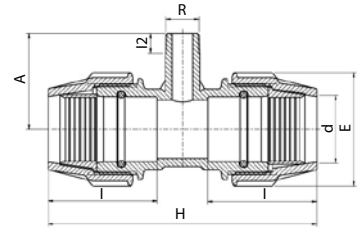
**87140**



Size d x Rp x d	E	H	I	I2	A	UB	UC	W
75 x 2" x 75	132	370	137	30	110	—	9	1517
75 x 2 1/2" x 75	132	342	134	35	85	—	9	1570
75 x 3" x 75	132	370	137	36	110	—	9	1627
90 x 3" x 90	152	418	164	41	116	—	7	2351
110 x 4" x 110	181	516	200	52	140	—	4	4189

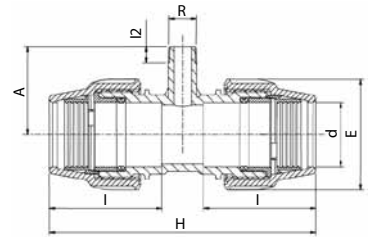
**Coupler with Riser**

**7810**



Size d x G x d	E	I	I2	H	A	UB	UC	W
40 x 3/4" x 40	82	89	18	215	85	—	50	361
50 x 3/4" x 50	96	98	18	244	90	—	36	510
50 x 1" x 50	96	98	20	244	90	—	36	517
63 x 3/4" x 63	113	110	18	270	95	—	24	805
63 x 1" x 63	113	110	20	270	95	—	24	820

**87810**

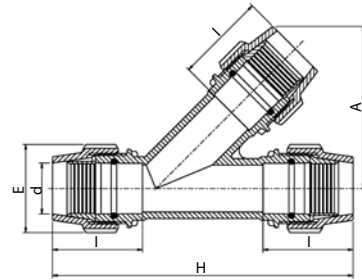


Size d x R x d	E	I	I2	H	A	UB	UC	W
75 x 3/4" x 75	132	137	18	324	105	—	12	1300
75 x 1" x 75	132	137	20	324	105	—	12	1310



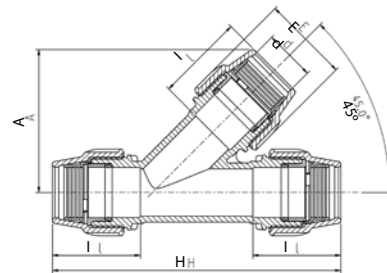
**45° Tee**

**7640**



Size d x d x d	E	H	I	A	UB	UC	W
63 x 63 x 63	113	374	110	207	—	10	1428

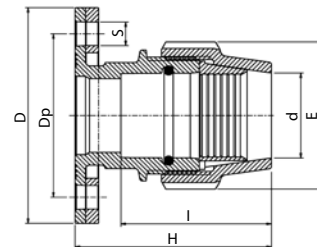
**87640**



Size d x d x d	E	H	I	A	UB	UC	W
75 x 75 x 75	132	446	137	204	—	6	2500
90 x 90 x 90	152	519	164	233	—	4	3600
110 x 110 x 110	181	630	196	284	—	2	6000

**Compression Flange Adaptor with Metal Flange**

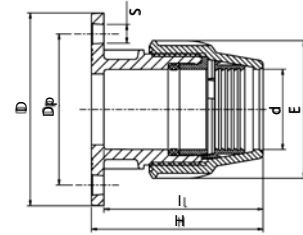
**7220\***



Size d x DN (inch)	E	H	I	D	Dp	S	No. of Holes	Metal-Flange Size	UC	W
40 x 40 (1 1/2")	82	119	93	150	110	18	4	40 x 40	20	1200
50 x 40 (1 1/2")	96	128	93	150	110	18	4	50 x 40	20	1212
50 x 50 (2")	96	128	93	165	125	18	4	50 x 50	15	1516
63 x 50 (2")	113	145	110	165	125	18	4	63 / 75 x 50	15	1563
125 x 125 (5")	212	270	250	250	210	22	8	125 / 160 x 125	4	5534
125 x 150 (6")	212	270	250	285	240	22	8	125 / 160 x 150	3	7037

\* 072210 - Compression Flange Adaptor without metal flange

**87220\***

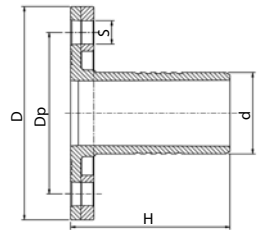


Size d x DN (inch)	E	H	I	D	Dp	S	No. of Holes	Metal-Flange Size	UC	W
75 x 65 (2 1/2")	132	169	157	185	145	18	4	75 / 90 x 65	12	2200
90 x 80 (3")	152	194	182	200	160	18	8	90 / 110 x 80	10	2429
90 x 100 (4")	152	194	182	220	180	18	8	90 x 100	8	2980
110 x 100 (4")	181	237	224	216	180	18	8	110 x 100	8	3402

\* 872210 - Compression flange adaptor without metal flange

**Spigot Flange Adaptor**

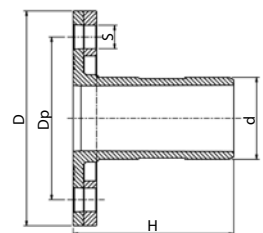
**7236\***



Size d x DN (inch)	H	D	Dp	S	No. of Holes	Metal-Flange Size	UC	W
50 x 40 (1 1/2")	99	150	110	18	4	50 x 40	20	1064
50 x 50 (2")	99	165	125	18	4	50 x 50	20	1094
63 x 50 (2")	124	165	125	18	4	63 / 75 x 50	18	1311
63 x 65 (2 1/2")	124	185	145	18	4	63 x 65	15	1882

\* 072301 - Flange adaptor without metal flange

**872306\***

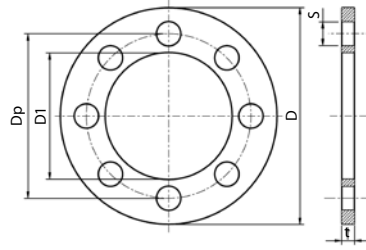


Size d x DN (inch)	H	D	Dp	S	No. of Holes	Metal-Flange Size	UC	W
75 x 50 (2")	142	165	125	18	4	63 / 75 x 50	15	1402
75 x 65 (2 1/2")	142	185	145	18	4	75 / 90 x 65	15	1568
75 x 80 (3")	142	200	160	18	8	75 x 80	12	1981
90 x 65 (2 1/2")	175	185	145	18	4	75 / 90 x 65	12	1754
90 x 80 (3")	175	200	160	18	8	90 / 110 x 80	12	1858
90 x 100 (4")	175	220	180	18	8	90 x 100	10	2180
110 x 80 (3")	210	200	160	18	8	90 / 110 x 80	10	2019
110 x 100 (4")	210	220	180	18	8	100 x 100	8	2329
110 x 125 (5")	214	250	210	18	8	110 x 125	6	3987

\* 872301 - Flange adaptor without metal flange

## Metal Flange

**7006**

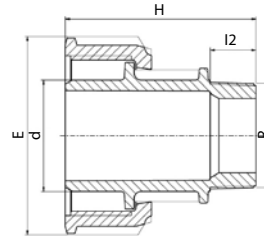


Size d x DN (inch)	D	Dp	D1	S	t	Th*		No. of Holes	UC	W
						mm	inch			
50 x 40 (1 1/2")	150	110	82	18	10	M16	37472	4	20	844
50 x 50 (2")	165	125	82	18	10	M16	37472	4	20	1141
63 / 75 x 50 (2")	165	125	96	18	10	M16	37472	4	20	986
63 x 65 (2 1/2")	185	145	96	18	10	M16	37472	4	20	1420
75 / 90 x 65 (2 1/2")	185	145	112	18	10	M16	37472	4	20	1350
75 x 80 (3")	200	160	112	18	10	M16	37472	8	15	1430
90 / 110 x 80 (3")	200	160	132	18	10	M16	37472	8	15	1215
90 x 100 (4")	220	180	132	18	10	M16	37472	8	15	1720
110 x 100 (4")	220	180	151	18	10	M16	37472	8	15	1416
110 x 125 (5")	250	210	151	18	10	M16	37472	8	15	2850

\* nominal diameter of bolts

## Threaded Adaptor

**7250\***



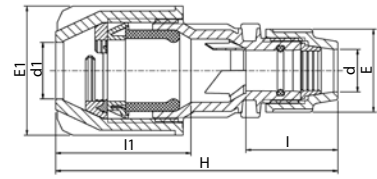
Size d x R	E	H	I2	UB	UC	W
25 x 1/2"	54	79	17	1	200	36
25 x 3/4"	54	80	18	1	200	36
32 x 1/2"	64	85	17	1	180	66
32 x 3/4"	64	86	18	1	180	65
32 x 1"	64	87	20	1	180	68
40 x 1"	82	99	20	1	130	108
40 x 1 1/4"	82	100	22	1	130	112
40 x 1 1/2"	82	100	22	1	130	114
50 x 1"	96	102	20	1	80	147
50 x 1 1/4"	96	104	22	1	80	154
50 x 1 1/2"	96	104	22	1	80	156
50 x 2"	96	107	27	1	80	158
63 x 1"	113	118	20	1	60	228
63 x 1 1/4"	113	121	22	1	60	230
63 x 1 1/2"	113	121	22	1	60	230
63 x 2"	113	124	26	1	60	258
63 x 2 1/2"	113	126	29	1	60	250
75 x 1 1/2"	132	128	22	1	30	404
75 x 2"	132	132	26	1	30	402
75 x 2 1/2"	132	134	29	1	30	412
75 x 3"	132	137	33	1	30	430

\* Threaded Adaptor Body Cat. No. 078901. Threaded Adaptor Nut - Cat. No. 078940

## Universal Coupler

**77017**

Class4

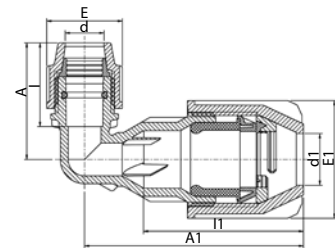


Size d x d1	E	E1	I	I1	H	UB	UC	W
25 x 15 - 22	54	64	58	80	165	1	90	183
25 x 20 - 27	54	71	58	85	170	1	80	206
25 x 27 - 35	54	83	58	90	180	1	60	281
32 x 20 - 27	64	71	67	85	180	1	70	240
32 x 27 - 35	64	83	67	90	195	1	60	312
50 x 35 - 50	96	121	93	125	270	1	20	900

## Universal Elbow

**77057**

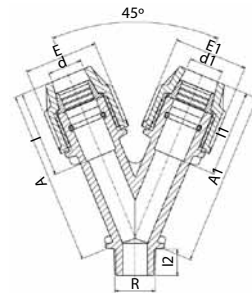
Class4



Size d x d1	E	E1	I	I1	A	A1	UB	UC	W
25 x 15 - 22	54	64	58	105	81	128	1	90	195
25 x 20 - 27	54	71	58	105	81	139	1	80	238
25 x 27 - 35	54	83	58	112	81	153	1	60	305

**Y- Fitting**

**7550**

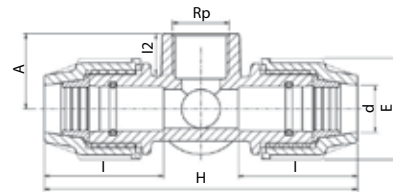


Size d x d x G	E	E1	I	I1	I2	A	A1	UB	UC	W
16 x 16 x 3/4"	39	39	50	50	18	100	100	10	200	75
20 x 16 x 3/4"*	48	39	57	50	18	108	105	10	180	103
20 x 20 x 3/4"	48	48	57	57	18	114	114	10	120	130
25 x 25 x 3/4"	54	54	58	58	18	125	125	5	100	154

\* In this case diameter should read: d x d x G

**Cross with Female Offtake**

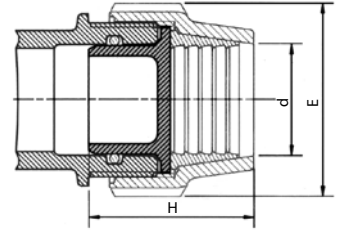
**7540**



Size d x d x d x d x Rp	E	I	I2	H	A	UB	UC	W
20 x 20 x 20 x 20 x 3/4"	48	57	21	149	34	5	80	204

## Plug Adaptor

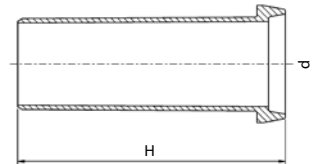
**7129**



Size d	E	H	UB	UC	W
20	48	47	10	2500	4
25	54	51	10	1500	7
32	64	56	10	1000	15
40	82	66	10	720	24
50	96	80	10	400	37
63	113	96	10	200	75

## Pipe Liner

**7950**



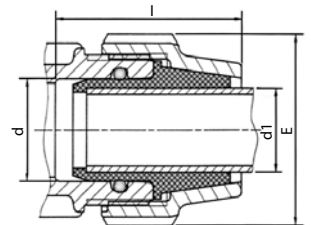
Size d *	H	UB	UC	W
20 x 1.9	63	10	2520	5
25 x 2.3	63	10	1680	10
32 x 3.0	79	10	920	18
40 x 3.7	97	10	480	25
50 x 4.6	106	10	240	55
63 x 5.8	125	5	110	90

\* O.D. of pipe x wall thickness of pipe

## Universal Adaptor

for Galvanised & PVC

**7896\***

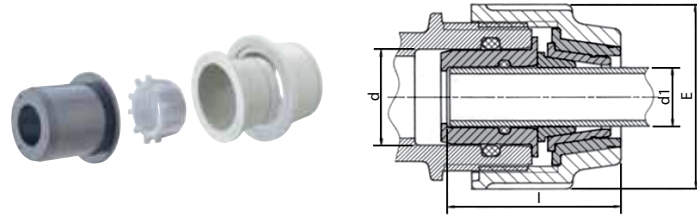


Size d x d1	E	I	UB	UC	W
20 x 15	48	66	25	1500	15
25 x 22	54	64	20	1200	15
32 x 28	64	74	20	700	27
40 x 35	82	92	10	300	54
50 x 42	96	105	10	160	111

\* No Pull-Out Resistance

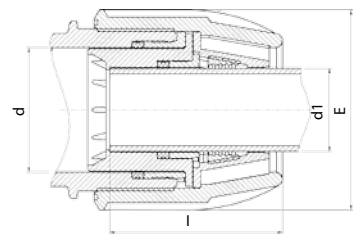
## Reducing Set

**7930**



Size d x d1	E	I	UB	UC	W
25 x 20	54	56	1	300	23
32 x 20	64	62	1	300	38
32 x 25	64	60	1	250	35
40 x 20	82	73	1	180	62
40 x 25	82	69	1	180	81
40 x 32	82	77	1	200	62
50 x 25	96	85	1	120	114
50 x 32	96	87	1	120	112
50 x 40	96	85	1	120	97
63 x 25	113	103	1	80	217
63 x 32	113	102	1	80	214
63 x 40	113	103	1	80	202
63 x 50	113	105	1	80	186
75 x 63	132	121	1	70	220

**87930**

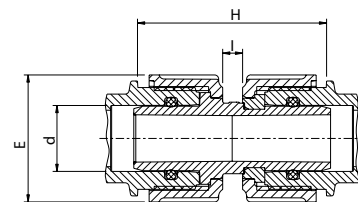


Size d x d1	E	I	UB	UC	W
75 x 63*	132	121	1	70	220
110 x 63	181	131	1	24	705
110 x 75	181	145	1	25	655
110 x 90	181	154	1	20	671

\* Assembled without the inserts

## Modular Adaptor

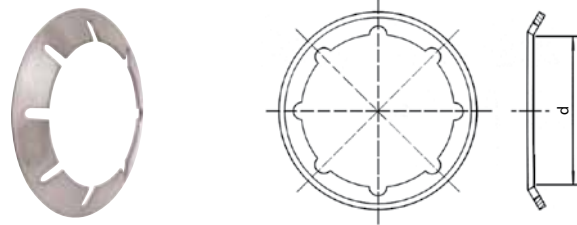
**7940**



Size d	E	H	I	UB	UC	W
20	48	80	10	—	300	50
25	54	80	10	—	250	61
32	64	93	10	—	180	104
40	82	102	10	—	100	167
50	96	107	10	—	70	257
63	113	119	10	—	45	420

**Metric PVC Adaptor**

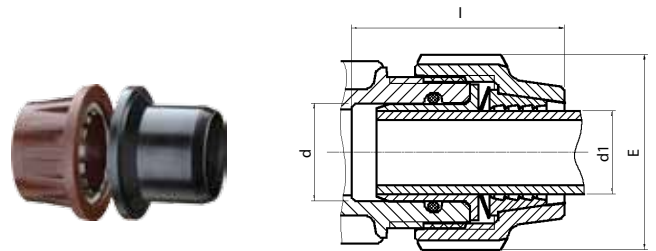
**7970**



Size d	UB	UC	W
20	10	10000	1
25	10	10000	2
32	10	10000	3
40	10	1000	6
50	10	1000	10
63	10	1000	17

**Conversion Adaptor Table X & Y**

**7438**

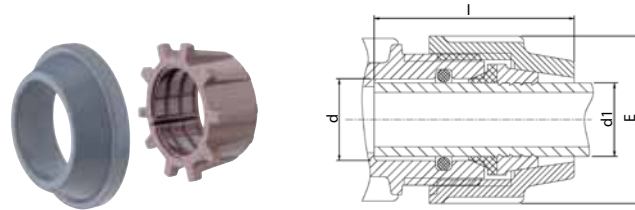


Size d x d1	E	I	UB	UC	W
20 x 15	48	67	10	360	20
25 x 15	54	69	10	360	33
25 x 22	54	67	10	360	23
32 x 28	64	77	10	300	35
40 x 35	82	92	10	300	38
50 x 42	96	105	10	250	64
63 x 54	113	121	1	150	102



**7782**

**Lead Adaptor**



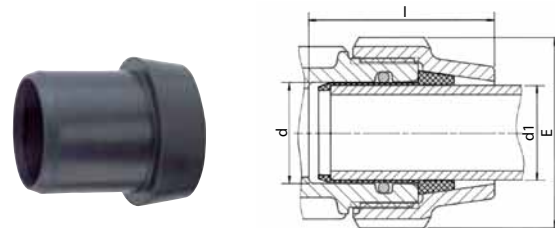
Size d x d1	E	I	UB	UC	W
25 x 3/8" 5 LB	54	67	5	1000	15
25 x 1/2" 7 LB	54	64	5	1500	8
32 x 1/2" 9 LB	64	77	5	500	24
32 x 3/4" 9 LB	64	76	5	1000	13
40 x 3/4" 11 LB	82	95	5	400	42
50 x 1" 16 LB	96	104	5	250	68

**7896/8\***

**Universal Adaptor**

for Glavanised & PVC

anchoring required

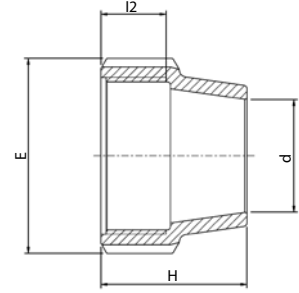


Size d x d1	E	I	UB	UC	W
40 x 1"	82	89	5	200	60
50 x 1 1/4"	96	98	5	150	89
50 x 1 1/2"	96	90	5	150	35
63 x 2"	113	108	5	120	71

\* Without pullout resistance

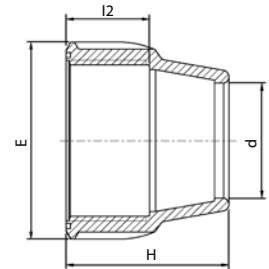
**Nut**

**7004**



Size d x d1	E	H	I2	UB	UC	W
16	39	40	23	—	1000	12
20	48	45	26	—	700	22
25	54	46	26	—	500	28
32	64	51	30	—	300	41
40	82	63	34	—	200	70
50	96	71	34	—	125	104
63	113	89	43	—	100	171
125	212	185	107	—	10	1135

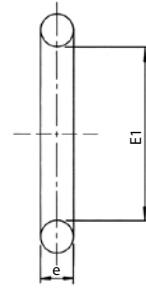
**87004**



Size d	E	H	I2	UB	UC	W
75	132	110	56	—	45	293
90	152	135	73	—	30	448
110	181	170	97	—	16	828

**O - Ring NBR**

**07002**



Size d	E1	Size d	e	UB	UC	W
16	15		3	—	30000	1
20	19		3	—	32000	1
25	24		4	—	16000	1
32	31		5	—	10000	2
125	122		10	—	900	27

**O - Ring EPDM**  
(Blue Mark)

**7910**

Size d	E1	Size d	e	UB	UC	W
16	15		3	—	30000	1
20	19		3	—	16000	1
25	24		4	—	16000	1
32	31		5	—	8000	2

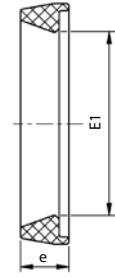
**O - Ring Viton FPM**  
(White Mark)

**7920**

Size d	E1	Size d	e	UB	UC	W
20	19		3	—	32000	2
25	24		4	—	16000	2
32	31		5	—	8000	4

**Seal - NBR**

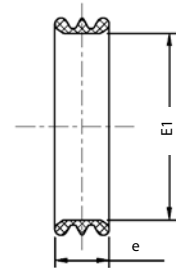
**97002**



Size d	E1	e	UB	UC	W
40	38	8	—	4000	5
50	49	9	—	2500	8
63	62	9	—	2000	10

**Seal - EPDM**

**87910**



Size d	E1	e	UB	UC	W
75	77	22	16	1600	26
90	92	22	18	1400	35
110	112	24	27	900	45

**Seal EPDM  
(Blue Mark)**

**7910**

Size d	E1	e	UB	UC	W
40	38	8	—	4000	4
50	49	9	—	2500	7
63	62	9	—	2000	9

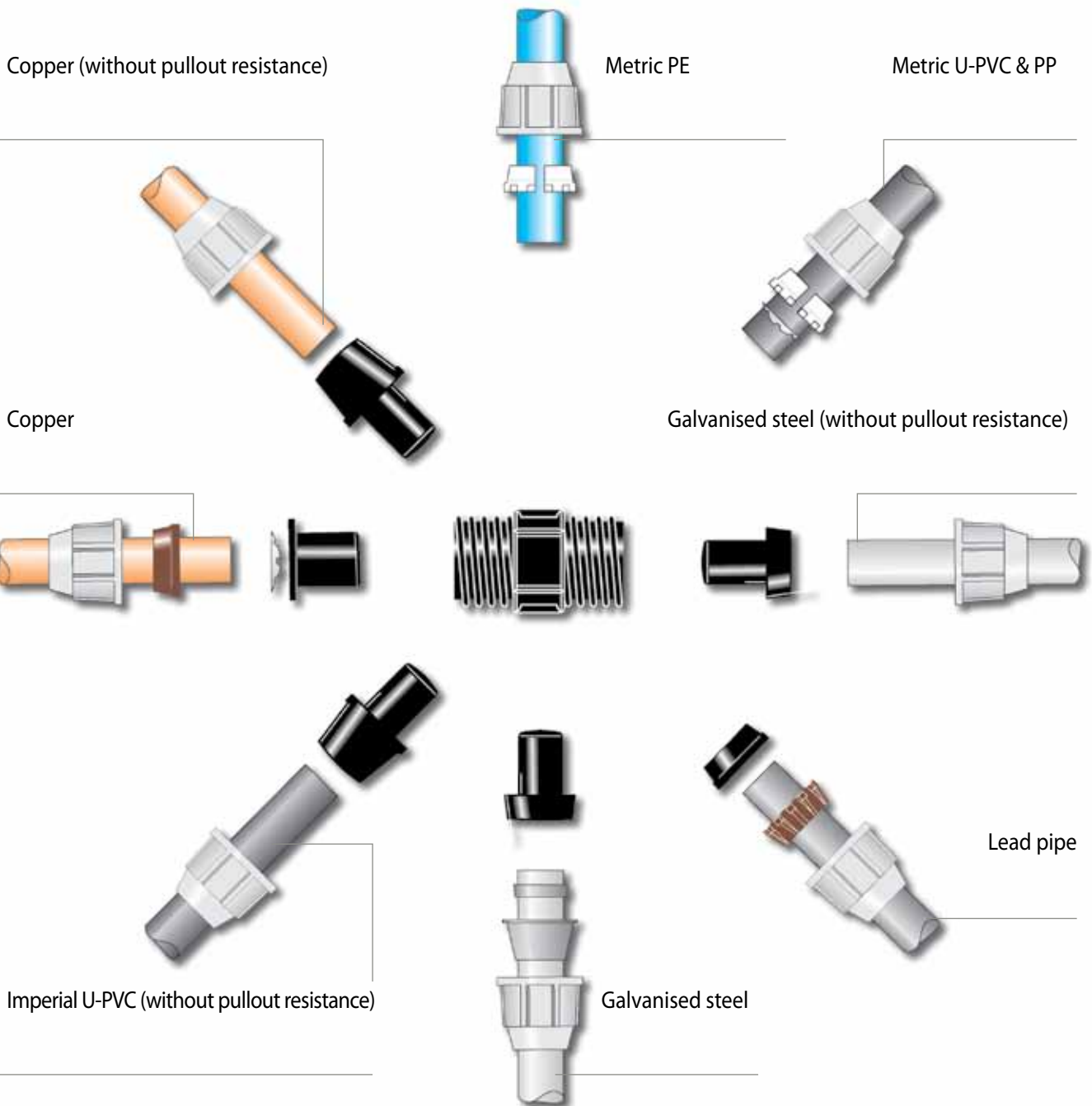
**Seal Viton FPM  
(White Mark)**

**7920**

Size d	E1	e	UB	UC	W
40	38	8	—	4000	7
50	49	9	—	2500	12
63	62	9	—	2000	14

**Metric PE / Metric U-PVC / Metric PP / Galvanised Steel / Lead Pipe / Imperial U-PVC/Copper**

The basic fitting is a dedicated product for joining the metric PE pipe. It will securely join the pipe without any additional components. The fittings can easily be converted for use with other materials simply by adding a conversion set. Plasson offers a full range of conversion sets to provide exceptional adaptability.



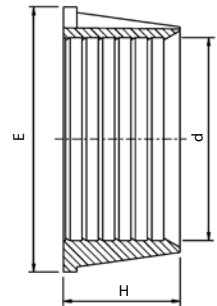
**Seal Viton FPM**  
(White Mark)

**87920**

Size d	E1	e	UB	UC	W
75	77	22	23	1600	23
90	92	22	28	1400	28
110	112	24	43	900	43

**Split Ring - Polyacetal**

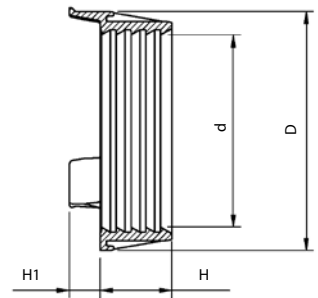
**07003**



Size d	E	H	UB	UC	W
16	23	12	100	12000	1
20	31	13	100	6500	3
25	36	13	100	4500	12
32	44	19	50	2000	7
40	55	24	50	1200	12
50	67	30	20	500	24
63	83	37	10	300	46
125	161	72	—	35	291

**Split Ring - Polyacetal**

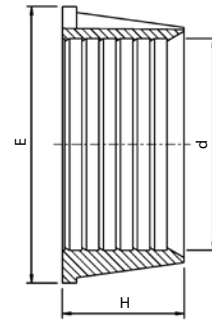
**87003**



Size d	D	H	H1	UB	UC	W
75	99	30	14	—	300	53
90	115	34	16	—	170	76
110	140	42	19	—	100	133

**Split Ring - CPVC**

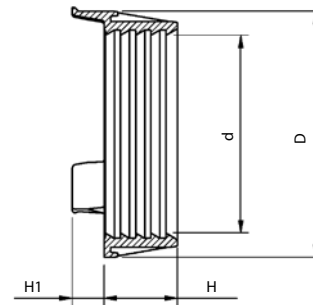
**7008**



Size d	E	H	UB	UC	W
16	23	12	100	12000	3
20	31	13	100	6500	4
25	36	13	100	4500	5
32	44	19	50	1500	11
40	55	24	50	1200	19
50	67	30	20	500	32
63	83	37	10	300	53

**Split Ring - CPVC**

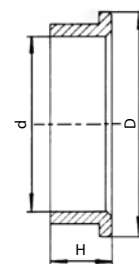
**7008**



Size d	D	H	H1	UB	UC	W
75	99	30	13	—	240	53
90	115	34	14	—	115	90
110	140	42	16	—	70	151

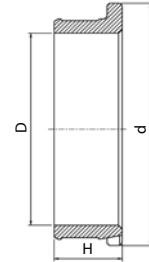
**Insert**

**7005**



Size d	D	H	UB	UC	W
16	17	12	100	8700	1
125 Upper	164	48	—	—	154
125 Lower	142	18	—	—	43

**87005**



Size d	D	H	UB	UC	W
75	77	27	—	300	31
90	92	31	—	160	56
110	113	40	—	100	81

**Chamfer Tool**

**7960**



Size	UB	UC	W
20 - 63	—	64	202

**Mechanical Wrench**

**7990**



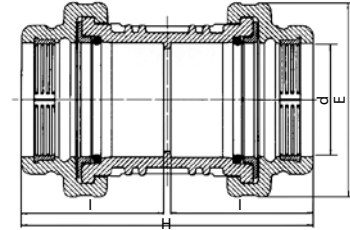
Size	UB	UC	W
16 - 40	—	250	65
40 - 75	—	75	296
63 - 125	—	40	840





**Coupler**

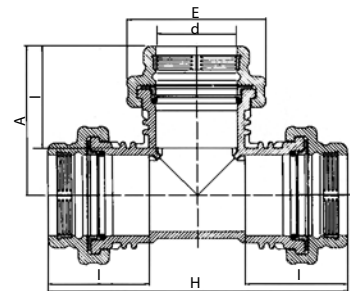
**17010**



Size d x d	E	I	H	UB	UC	W
160 x 160	280	204	418	—	2	8888

**90° Tee**

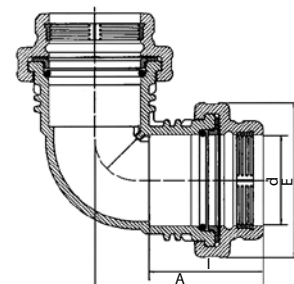
**17040**



Size d x d x d	E	I	H	A	UB	UC	W
160 x 160 x 160	280	204	601	301	—	1	14660

**90° Elbow**

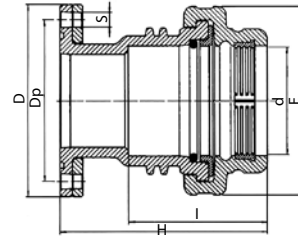
**17050**



Size d x d	E	I	A	UB	UC	W
160 x 160	280	50	63	—	2	10028

**Compression Flange Adaptor**  
with Metal Flange

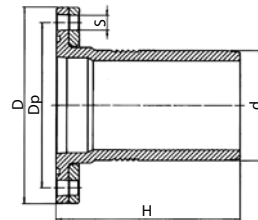
**17220**



Size d x DN (inch)	E	H	I	D	Dp	S	No. of Holes	Metal-Flange Size	UC	W
160 x 125 (5")	280	304	204	250	210	18	8	125 / 160 x 125	3	7781
160 x 150 (6")	280	304	204	285	240	22	8	125 / 160 x 150	3	9188

**Flange Adaptor**  
with Metal Flange

**17230**



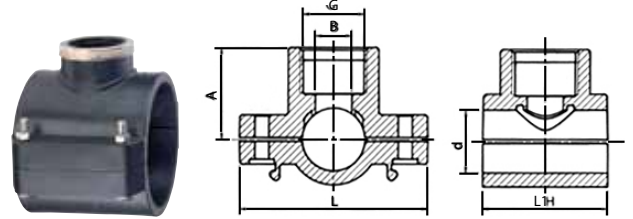
Size d x DN (inch)	H	D	Dp	S	No. of Holes	Metal-Flange Size	UC	W
160 x 125 (5")	265	250	210	18	8	125 / 160 x 125	6	4409
160 x 150 (6")	265	285	240	22	8	125 / 160 x 150	5	5886

## Saddle Single Outlet with Reinforcing Ring Options

**16076/16086/16279/16079\***

For more details, see table on page 71, 72, 73

\* stainless steel nuts & bolts



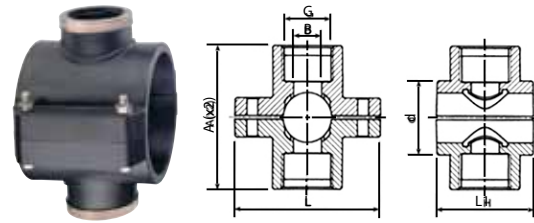
Size d x G	B	L	L1	A	No. of Bolts	UB	UC	W
20 x 1/2"	10	70	45	33	2	1	400	63
25 x 1/2"	15	75	50	36	2	1	300	70
25 x 3/4"	15	75	50	37	2	1	300	73
32 x 1/2"	16	92	60	40	2	1	150	133
32 x 3/4"	19	92	60	41	2	1	150	135
32 x 1"	20	92	60	42	2	1	150	142
40 x 1/2"	16	92	60	45	2	1	150	141
40 x 3/4"	19	92	60	46	2	1	150	143
40 x 1"	25	92	60	49	2	1	150	151
50 x 1/2"	16	106	73	51	2	1	100	179
50 x 3/4"	21	106	73	52	2	1	100	180
50 x 1"	25	106	73	54	2	1	100	187
50 x 1 1/4"	25	106	73	58	2	1	100	212
63 x 1/2"	16	116	84	58	4	1	70	278
63 x 3/4"	20	116	84	59	4	1	70	279
63 x 1"	25	116	84	61	4	1	70	286
63 x 1 1/4"	32	116	84	66	4	1	70	308
63 x 1 1/2"	39	116	84	67	4	1	60	322
75 x 1/2"	16	122	98	64	4	1	60	369
75 x 3/4"	20	122	98	65	4	1	55	369
75 x 1"	25	122	98	67	4	1	55	376
75 x 1 1/4"	32	122	98	72	4	1	55	398
75 x 1 1/2"	40	122	98	73	4	1	50	411
75 x 2"	40	122	98	78	4	1	50	433
90 x 1/2"	16	141	105	72	4	1	45	453
90 x 3/4"	20	141	105	73	4	1	45	454
90 x 1"	25	141	105	75	4	1	45	460
90 x 1 1/4"	32	141	105	80	4	1	40	483
90 x 1 1/2"	40	141	105	81	4	1	40	493
90 x 2"	50	141	105	86	4	1	40	511
110 x 1/2"	16	165	116	83	4	1	45	561
110 x 3/4"	20	165	116	84	4	1	45	562
110 x 1"	25	165	116	87	4	1	36	567
110 x 1 1/4"	32	165	116	91	4	1	36	588
110 x 1 1/2"	40	165	116	92	4	1	36	600
110 x 2"	50	165	116	97	4	1	30	615
125 x 3/4"	20	184	124	91	6	1	30	749
125 x 1"	25	184	124	94	6	1	30	755
125 x 1 1/4"	32	184	124	98	6	1	30	778
125 x 1 1/2"	40	184	124	99	6	1	30	781
125 x 2"	50	184	124	104	6	1	25	796
140 x 1"	25	201	136	101	6	1	24	893
140 x 1 1/4"	32	201	136	106	6	1	24	912
140 x 1 1/2"	40	201	136	107	6	1	24	922
140 x 2"	50	201	136	112	6	1	20	938
160 x 1"	25	223	145	112	6	1	20	1039
160 x 1 1/4"	32	223	145	117	6	1	20	1061
160 x 1 1/2"	40	223	145	118	6	1	20	1071
160 x 2"	50	223	145	123	6	1	20	1080
180 x 1"	25	245	154	122	6	1	16	1300
180 x 1 1/4"	32	245	154	127	6	1	16	1319
180 x 1 1/2"	40	245	154	128	6	1	16	1349
180 x 2"	50	245	154	133	6	1	16	1334

## Saddle Double Outlet with Reinforcing Ring Options

### 16176/16186 /16179\*

For more details, see table on page 71, 72, 73

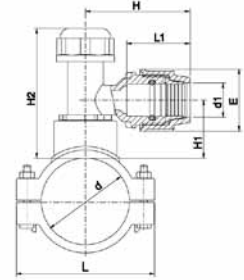
\* stainless steel nuts & bolts



Size d x G	B	L	L1	A	No. of Bolts	UB	UC	W
20 x 1/2"	10	70	45	66	2	1	300	73
25 x 1/2"	15	75	50	71	2	1	250	81
25 x 3/4"	15	75	50	73	2	1	250	86
32 x 1/2"	16	92	60	80	2	1	140	144
32 x 3/4"	19	92	60	82	2	1	140	148
32 x 1"	20	92	60	84	2	1	140	163
40 x 1/2"	16	92	60	89	2	1	120	153
40 x 3/4"	19	92	60	91	2	1	120	157
40 x 1"	25	92	60	98	2	1	120	174
50 x 1/2"	16	106	73	102	2	1	80	193
50 x 3/4"	21	106	73	104	2	1	80	196
50 x 1"	25	106	73	109	2	1	80	210
50 x 1 1/4"	25	106	73	117	2	1	80	260
63 x 1/2"	16	116	84	116	4	1	80	293
63 x 3/4"	20	116	84	118	4	1	80	296
63 x 1"	25	116	84	123	4	1	70	310
63 x 1 1/4"	32	116	84	132	4	1	70	354
63 x 1 1/2"	39	116	84	133	4	1	60	382
75 x 1/2"	16	122	98	128	4	1	60	382
75 x 3/4"	20	122	98	130	4	1	60	382
75 x 1"	25	122	98	135	4	1	50	397
75 x 1 1/4"	32	122	98	144	4	1	50	438
75 x 1 1/2"	40	122	98	145	4	1	50	465
75 x 2"	40	122	98	155	4	1	40	513
90 x 1/2"	16	141	105	143	4	1	45	467
90 x 3/4"	20	141	105	146	4	1	45	468
90 x 1"	25	141	105	151	4	1	45	482
90 x 1 1/4"	32	141	105	160	4	1	40	526
90 x 1 1/2"	40	141	105	162	4	1	40	546
90 x 2"	50	141	105	172	4	1	36	585
110 x 1/2"	16	165	116	166	4	1	40	575
110 x 3/4"	20	165	116	168	4	1	40	577
110 x 1"	25	165	116	173	4	1	36	586
110 x 1 1/4"	32	165	116	182	4	1	30	628
110 x 1 1/2"	40	165	116	187	4	1	30	653
110 x 2"	50	165	116	196	4	1	24	685
125 x 3/4"	20	184	124	182	6	1	20	814
125 x 1"	25	184	124	187	6	1	20	814
125 x 1 1/4"	32	184	124	196	6	1	20	814
125 x 1 1/2"	40	184	124	198	6	1	20	834
125 x 2"	50	184	124	208	6	1	20	861
140 x 1"	25	201	136	202	6	1	20	948
140 x 1 1/4"	32	201	136	212	6	1	20	947
140 x 1 1/2"	40	201	136	213	6	1	20	967
140 x 2"	50	201	136	223	6	1	20	1001
160 x 1"	25	223	145	223	6	1	16	1055
160 x 1 1/4"	32	223	145	233	6	1	16	1098
160 x 1 1/2"	40	223	145	235	6	1	16	1119
160 x 2"	50	223	145	245	6	1	16	1137
180 x 1"	25	245	154	243	6	1	16	1310
180 x 1 1/4"	32	245	154	253	6	1	16	1335
180 x 1 1/2"	40	245	154	255	6	1	16	1247
180 x 2"	50	245	154	265	6	1	16	1368

**Tapper - for PVC & PE Pipes**

**16540**

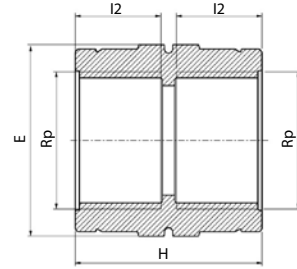


Size d x d1	H	L	L1*	H1	H2	No. of Bolts	UB	UC	W
63 x 25	105	116	84	57	130	4	1	40	584
63 x 32	109	116	84	57	130	4	1	40	614
75 x 25	105	122	98	57	130	4	1	30	700
75 x 32	109	122	98	57	130	4	1	30	725
90 x 25	105	141	105	58	131	4	1	25	761
90 x 32	109	141	105	58	131	4	1	25	780
110 x 25	105	165	116	59	132	4	1	20	872
110 x 32	109	165	116	59	132	4	1	20	902
125 x 25	105	184	124	58	131	6	1	16	1058
125 x 32	109	184	124	58	131	6	1	16	1088
140 x 25	105	201	136	59	132	6	1	14	1228
140 x 32	109	201	136	59	132	6	1	14	1228
160 x 25	105	223	145	59	132	6	1	10	1370
160 x 32	109	223	145	59	132	6	1	10	1400
180 x 25	105	245	154	60	133	6	1	8	1606
180 x 32	109	245	154	60	133	6	1	8	1640

\* L1 - Length along pipe

## Threaded Socket

**5017\***

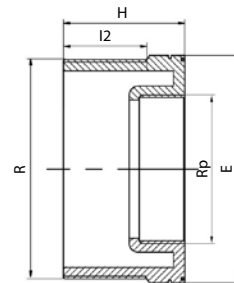


Size Rp x Rp	H	I2	E	UB	UC	W
1/2" x 1/2"	39	17	30	10	1200	15
3/4" x 3/4"	41	19	36	10	1000	19
1" x 1"	45	21	46	10	600	31
1 1/4" x 1 1/4"	54	25	60	10	250	65
1 1/2" x 1 1/2"	54	25	65	10	250	76
2" x 2"	66	31	75	5	150	92

\* With reinforcing ring - Cat. No. 050117

## Reducing Bushing

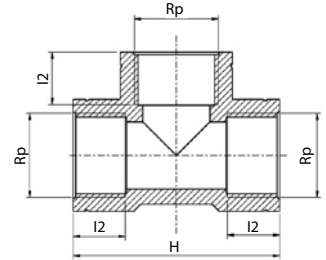
**5027**



Size R x Rp	H	I2	E	UB	UC	W
3/4" x 1/2"	30	17	27	10	2000	6
1" x 1/2"	32	19	36	10	1200	16
1" x 3/4"	32	19	36	10	1000	11
1 1/4" x 1/2"	37	21	46	10	700	27
1 1/4" x 3/4"	37	21	46	10	700	28
1 1/4" x 1"	37	21	46	10	700	21
1 1/2" x 1/2"	37	21	50	10	600	34
1 1/2" x 3/4"	37	21	50	10	600	32
1 1/2" x 1"	37	21	50	10	500	32
1 1/2" x 1 1/4"	37	21	50	10	500	20
2" x 1/2"	41	25	63	5	350	60
2" x 3/4"	41	25	63	5	350	58
2" x 1"	41	26	63	5	300	61
2" x 1 1/4"	41	26	63	5	320	55
2" x 1 1/2"	41	26	63	5	320	44
2" x 2"	44	29	80	5	200	75
3" x 1"	48	32	90	2	150	117
3" x 1 1/4"	48	32	90	2	150	119
3" x 1 1/2"	48	32	90	2	150	118
3" x 2"	48	32	90	2	100	103
3" x 2 1/2"	48	32	90	2	150	75
4" x 2"	56	41	120	2	80	238
4" x 3"	56	41	120	2	80	222

**90° Threaded Tee**

**5047**

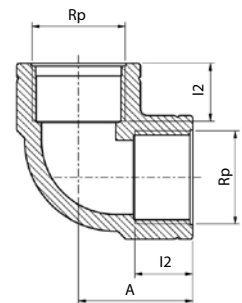


Size Rp	H	I2	UB	UC	W
1/2"	64	18	10	700	28
3/4"	68	19	10	500	39
1"	81	21	10	260	61
1 1/4"	96	25	5	140	114
1 1/2"	108	25	5	90	157
2"	130	30	5	60	205

\* With reinforcing ring - Cat. No. 050417

**90° Threaded Elbow**

**5057\***



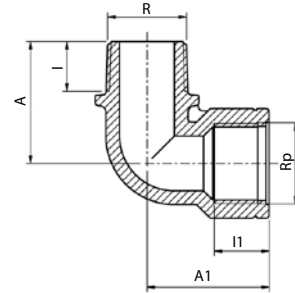
Size Rp x Rp	A	I2	UB	UC	W
1/2" x 1/2"	32	17	10	1000	22
3/4" x 3/4"	35	18	10	700	30
1" x 1"	41	21	10	400	45
1 1/4" x 1 1/4"	48	25	10	200	87
1 1/2" x 1 1/2"	54	25	5	150	116
2" x 2"	65	30	5	80	157

\* With reinforcing ring - Cat. No. 050517



## 90° Male/Female Threaded Elbow

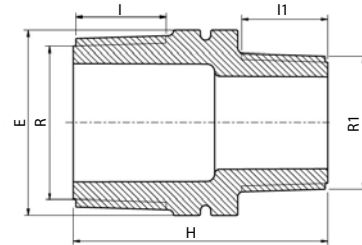
**5157**



Size R x Rp	A	A1	I	I1	UB	UC	W
1/2" x 1/2"	36	36	16	17	10	1000	27
3/4" x 3/4"	40	40	17	18	10	700	26
1" x 1"	45	47	19	21	10	400	41

## Reducing Nipple

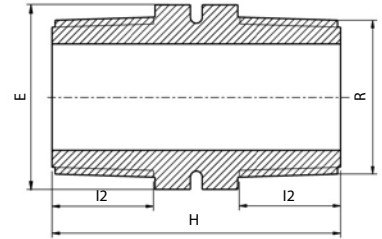
**5065**



Size R x R1	H	I	I1	E	UB	UC	W
3/4" x 1/2"	47	17	16	27	10	1500	10
1" x 1/2"	49	19	16	36	10	800	17
1" x 3/4"	50	19	17	36	10	800	18
1 1/4" x 1/2"	53	21	16	46	10	500	28
1 1/4" x 3/4"	54	21	17	46	10	500	29
1 1/4" x 1"	56	21	19	46	10	500	31
1 1/2" x 1/2"	54	21	16	50	5	500	34
1 1/2" x 3/4"	55	21	17	50	5	500	34
1 1/2" x 1"	57	21	19	50	5	400	36
1 1/2" x 1 1/4"	59	21	21	50	5	400	39
2" x 1/2"	58	25	16	63	5	280	51
2" x 3/4"	59	25	17	63	5	260	52
2" x 1"	61	25	19	63	5	260	53
2" x 1 1/4"	63	25	21	63	5	240	57
2" x 1 1/2"	63	25	21	63	5	240	58

## Threaded Nipple

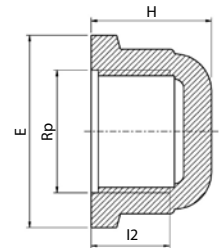
**5067**



Size R x R	H	I2	E	UB	UC	W
1/2" x 1/2"	47	17	22	10	2000	8
3/4" x 3/4"	49	18	27	10	1300	11
1" x 1"	55	20	36	10	800	23
1 1/4" x 1 1/4"	60	22	46	10	400	35
1 1/2" x 1 1/2"	61	22	50	5	300	48
2" x 2"	71	26	65	5	180	78

## Threaded Cap

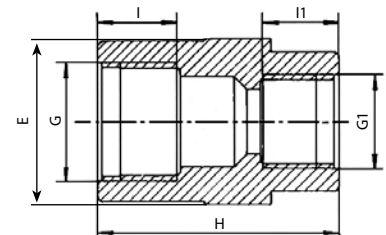
**5077**



Size Rp	E	H	I2	UB	UC	W
1/2"	37	25	15	10	1600	13
3/4"	42	26	16	10	1500	14
1"	50	32	19	10	800	27
1 1/4"	59	34	22	10	500	39
1 1/2"	65	34	21	10	450	43
2"	80	39	25	5	250	78

## Threaded Reducing Socket

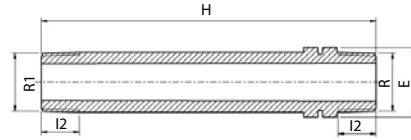
**5117**



Size G x G1	H	I	I1	E	UB	UC	W
3/4" x 1/2"	50	20	19	36	10	800	25

## Threaded Riser

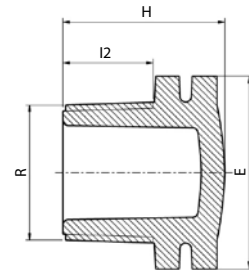
**5167**



Size R x R1	H	I2	E	UB	UC	W
1/2" x 1/2"	150	17	22	10	600	30
3/4" x 1/2"	113	18	27	10	500	26
3/4" x 3/4"	150	18	27	10	400	43
1" x 1"	150	19	36	5	250	66
1 1/4" x 1 1/4"	150	21	46	5	150	93
1 1/2" x 1 1/4"	150	21	50	5	140	115
1 1/2" x 1 1/2"	150	21	50	5	140	120

## Threaded Plug

**5177**

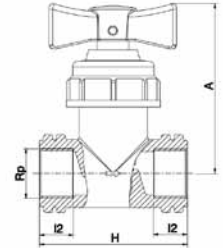


Size R	H	I2	E	UB	UC	W
3/8"	24	13	22	10	4500	4
1/2"	29	16	27	10	2500	8
3/4"	31	17	32	10	1500	12
1"	34	19	36	10	1000	16
1 1/4"	38	21	46	10	700	26
1 1/2"	39	21	55	10	500	38
2"	45	25	65	10	300	60

**Stop Tap**

Above & Below Ground FI x FI

**3405**

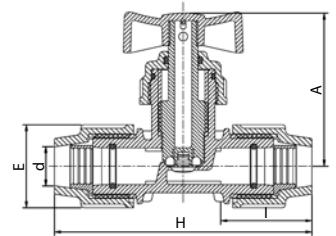


Size Rp x Rp	H	I2	A	UB	UC	W
3/4" x 3/4"	78	18	92	5	140	115
1" x 1"	82	20	92	5	120	129

**Stop Tap**

Above & Below Ground

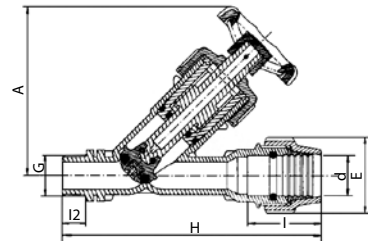
**3407**



Size G x G1	E	H	I	A	UB	UC	W
20 x 20	48	147	47	101	5	100	168
25 x 25	54	154	49	91	5	80	190
32 x 32	64	174	57	95	5	60	260

**Angle Seat Valve PP**  
PE x MI Thread

**3048/03948\***

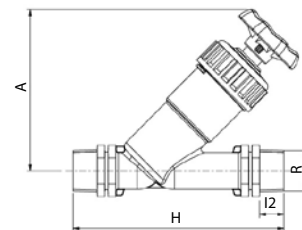


Size G x G	E	H	I	I2	A	UB	UC	W
20 x 1/2"	48	174	57	16	113	5	100	176
25 x 3/4"	54	187	60	18	121	5	80	238
32 x 1"	64	212	70	20	140	—	50	360
40 x 1 1/4"*	82	299	84	22	180	—	26	605
50 x 1 1/2"*	96	259	93	22	207	—	17	923
63 x 2"*	113	340	110	26	246	—	10	1518

\* Trapeze shaped

**Angle Seat Valve PP**  
MI x MI

**3047\***



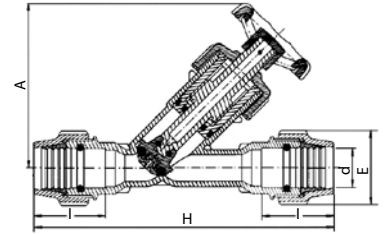
Size R x R	H	I2	A	UB	UC	W
1/2" x 1/2"	135	16	113	5	120	142
3/4" x 3/4"	151	18	121	5	100	186
1" x 1"	170	20	140	—	70	280
1 1/4" x 1 1/4"	200	22	180	—	24	733
1 1/2" x 1 1/2"	225	22	207	—	40	474
2" x 2"	254	26	246	—	15	1191

\* Available with NPT thread

### Angle Seat Valve

(Seal NBR) Compression Inlet & Outlet

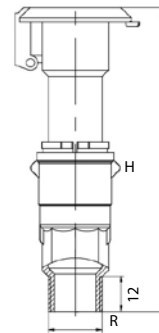
**3046**



Size d x d	E	H	I	A	UB	UC	W
32 x 32	64	254	70	140	—	40	438

### Quick Coupling Connector

**3039**

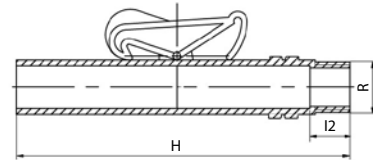


Size R	H	I2	UB	UC	W
3/4"	152	17	5	130	146
1"	154	18	5	130	148

## Key

for Quick Coupling Valve 3039

**3139**

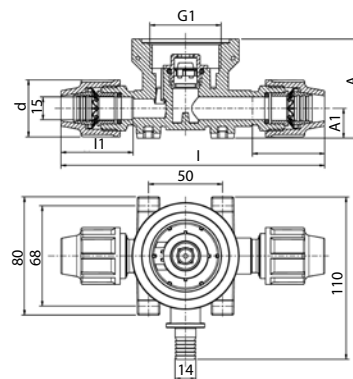


Size R	H	l2	UB	UC	W
3/4"	173	18	5	250	66

## Meter Mount

Above Ground

**3510**



Size d x G1 x d	l	l1	A	A1	UB	UC	W
15 x 1 1/2" x 15	178	49	67	20	—	100	100

# Technical Data





## Materials

### Compression Fittings

**Body:** Polypropylene, high-grade copolymer.

**Nut:** Polypropylene, high-grade copolymer.

**Split Ring:** Acetal (POM, CPVC also available).

**Liner:** Acetal (POM).

**Seal:** Nitrile rubber (NBR, EPDM, FPM also available).

**Reinforcing ring:** Stainless steel on all female offtakes from 1 1/4" up to 4".

**Bolts (Series 17):** Plated steel.

**Nuts (Series 17):** Stainless steel.

### Valves

**Body:** Polypropylene, high-grade copolymer.

**O-Ring:** See inside.

**Spring:** (items 03067, 03039), Stainless steel.

### Saddles

**Body:** Polypropylene, high-grade copolymer.

**Bolts and Nuts:** Plated steel. (Stainless steel bolts and nuts also available)

**Reinforcing Rings:** Stainless steel.

**Seal:** Nitrile rubber (NBR).

### Tappers + Compression Saddles

**Body:** Polypropylene, high-grade copolymer.

**Split Rings:** Acetal (POM, CPVC also available).

**Nuts:** Polypropylene, high-grade copolymer.

**Bolts and Nuts:** Stainless Steel.

**Seal:** EPDM.

### Threaded Fittings

**Body:** Polypropylene, high-grade copolymer.

**Reinforcing Ring:** Stainless Steel.

## Operating Temperatures

The fittings and valves are not to be used with hot water, although they withstand the same temperature as the polyethylene pipe itself. The fittings and valves will withstand sub-zero temperatures.

## Chemical Resistance

**Plasson** Fittings are supplied, as standard, with polyacetal split rings and NBR O-rings which are suitable for water. For aggressive chemical applications CPVC split rings and EPDM or FPM O-rings can be supplied to produce a better chemical resistance.

## Operating Pressures and Quality Certificates

**Plasson** Fittings are tested and approved according to ISO14236 and AS/NZ 4129. For detailed pressure classification see page 71.

## Threads

All threads conform to ISO-7/1, BS 21 - 1973, DIN 2999, NEN 3258, AS 1722 Part 1 - 1975.

All internal (female) threads smaller than 3" are parallel.

All other threads (male and female) are tapered.

## Flanges

Flange dimensions in accordance with: ISO 7005-1 (TABLE 11), BS 4504: 1989 (TABLE 11), DIN 2501 (PN 16 TABLE), AS/NZS 4331. Metal backing rings to be used with all flanges.

## 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 clean of sand, mud, stones etc.

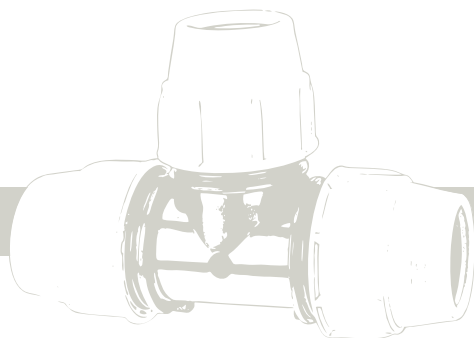
Do not over tighten nut when closing. Never use wrenches or spanners with handle lengths longer than 46 cm - excessive torque during tightening can damage the fitting and reduce performance.

If fittings are reused, replace the split ring.

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

## Pressure Rating of Plasson Mechanical Fittings and Valves

Product Code	Body Type	Pressure Rating	Stainless Steel Reinforcement Ring	From Pipe Diameter	To Pipe Diameter	From Thread	To Thread	From Outlet Size	To Outlet Size
Starts with 07 and 87	All Fitting Types	16.0							
<b>Exceptions:</b>									
Starts with 07	All 160 mm Fittings	10.0							
Starts with 07 and 87	All Fittings with 3 inch Female Thread	10.0							
Starts with 07 and 87	All Fittings with 4 inch Female Thread	6.0							
0701070/ 0705070	Class 4 (Universal)	10.0		50	50			35	50
0704P	90° Slip Tee	12.5		40	63				
07120	Plug Adaptor	12.5		20	63				
07220	Compression Flange Adaptor	12.5		125	125				
07250	Threaded Adaptor	12.5		75	75	1.1/2	3		
07640	45° Tee	8.0		63	110				
87930	Reducing Set 110X63	10.0							
03046/03047/03048/03049	Angle Seat Valve	8.0							
03405	Threaded Stoptap	10.0				3/4	1		
03407	Compression Stoptap	16.0		20	32				
03039	Quick Coupling Valve	10.0				3/4	1		
Starts with 05	Female Thread	16.0	NO			1/2	1		
Starts with 05	Female Thread	10.0	NO			1.1/4	2		
Starts with 05	Female Thread	16.0	YES			1.1/4	2		
050207/ 050707	Threaded Reducing Bushing/Threaded Cap	10.0				1.1/4	4		
050207/ 050707	Threaded Reducing Bushing/Threaded Cap	16.0				1/2	1		
050605/ 050607	Threaded Reducing Nipple/Threaded Nipple	16.0				1/2	2		
051607	Threaded Riser	16.0				1/2	1.1/2		
051707	Threaded Plug	16.0				1/2	2		
03067	Check Valve	8.0							
160760	Saddle Single Outlet	12.5	YES	20	63	1/2	1.1/2		
160760	Saddle Single Outlet	12.5	YES	75	180	1/2	3/4		
160760	Saddle Single Outlet	10.0	YES	75	180	1	2		
160761	Saddle Single Outlet	16.0	YES	40	180	1	1		
160860	Saddle Single Outlet	6.0	NO	20	180	1.1/4	2		
160860	Saddle Single Outlet	10.0	NO	20	180	1/2	1		
161760	Saddle Double Outlet	12.5	YES	20	63	1/2	1.1/2		
161760	Saddle Double Outlet	12.5	YES	75	180	1/2	3/4		
161760	Saddle Double Outlet	10.0	YES	75	180	1	2		
161860	Saddle Double Outlet	6.0	NO	20	180	1.1/4	2		
161860	Saddle Double Outlet	10.0	NO	20	180	1/2	1		
16279	Saddle Single Outlet	16.0	YES	63	180	1.1/2	1.1/2		
16540	All Tappers - for PVC & PE Pipes	16.0							
16810/16820/16830/16860	All Compression Saddles	16.0							



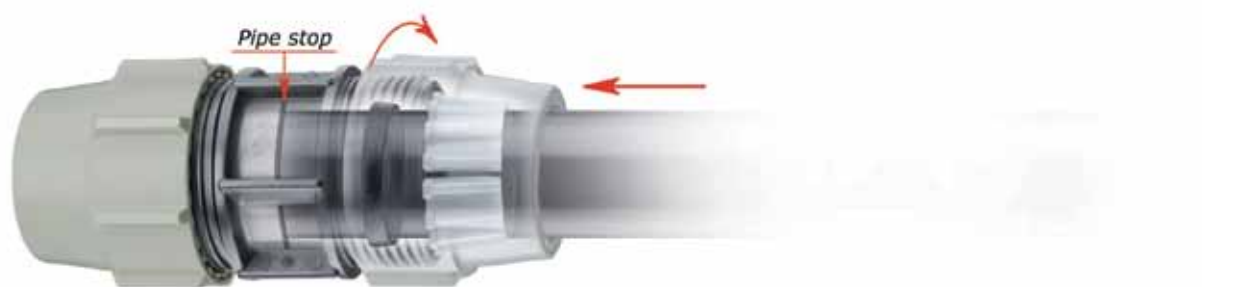
**ASSEMBLY AS SIMPLE AS ABC...**

For Fittings **16mm - 63mm**

- A** Cut the pipe square, remove burrs • Undo the nut to the last thread. Leave the nut on the fitting while inserting the pipe.



- B** Twist the pipe into the fitting\* through the split ring and rubber seal to the pipe stop • Tighten the nut firmly. Use a Plasson wrench (or similar tool) for final tightening of sizes 40 and above.



- C** The nut should be closed tightly, however there is no need for the nut to actually meet the body shoulder.



\* Lubrication and chamfering of the pipe end will ease insertion of the pipe (use silicone lubricant).

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**ASSEMBLY AS SIMPLE AS ABC...**

For Fittings **75mm - 110mm**

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**A** Undo the nut until 3-4 threads are visible.



**B** Insert the pipe into the fitting until the stop.



**C** Tighten the nut firmly with a Plasson wrench.



## Universal Pipe Adaptors: Copper, Galvanised and Imperial U-PVC (Without Pullout Resistance)



**Prepare** pipe by ensuring that the end is free from grease and roughen the outer surface with wire wool or similar. Cut pipe end square. Remove nut from end of fitting and discard white split ring.



**Push** adaptor into fitting to the stop. Push and twist the pipe until it meets the internal stop.



**Screw** nut tightly towards the body of the fitting. Final tightening with a wrench is essential. **The installation should be firmly anchored against end loading.**

## Adaptor Set for Copper (With Pullout Resistance)



**Cut** pipe square. Remove burrs. Ensure pipe is free of scratches, dents and other imperfections. Remove nut from fitting and discard white split ring. Make a mark on the pipe to the depth of the rubber insert. Assemble nut, brown ring and stainless steel ring onto pipe in that order. Ensure the brown ring tapers towards the nut and the stainless steel ring towards the fitting body.



**Push** insert into fitting body fully up to the flange.



**Push** pipe end into body of fitting. Ensure to insert at least to the mark you have made. Push both the rings up to the insert flange and engage nut. Use a Plasson wrench for final tightening.

## Lead Pipe Adaptor

Adaptateur pour tubes en plomb  
Adaptadores para tuberías de plomo



**Remove** nut from fitting and discard white split ring. Mount nut on pipe followed by brown split ring and seal ring.



**Push** both components onto the pipe until the seal ring is 20mm from the end of pipe and touching the split ring.



**Enter** pipe into fitting body and tighten firmly with a wrench. (It is important that the pipe is not pushed fully to the stop in the fitting).

**Note for lead pipe adaptors:** This product seals on the outside diameter of the pipe and it is therefore important that the lead pipe is in good condition on the external part of the pipe where the seal is made. Variation in the lead piping sometimes results in oversized pipes. In these circumstances it may be preferable to use the white split ring provided with the fitting.

## Installation Instructions for Plass4 and Copper Pipe Adaptor (Universal Adaptor)

### Installation Instructions for PLASS4 (Universal) Fittings



**Cut** the pipe square and remove all burrs and sharp edges.

- Select correct fitting according to the external diameter of the pipe.
- Slide the PLASS4 fitting (universal side) onto the pipe, until it reaches the internal fins and a slight resistance is felt. Do not force the pipe end past the fins.
- Holding the PLASS4 body with a wrench, tighten the PLASS4 universal nut firmly with a wrench (size 35-50 tighten nut very firmly to approx. 90 NM)
- Assemble the metric PE joint as per the standard fitting instructions.

**Note:** If reusing the fitting, ensure the metal teeth are located in the grip ring and pipe end does not pass the location fins in the body.



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