

PN16 150 Series Compression Fittings

Product Technical sheet

ABOUT

Plassim compression fittings connect polyethylene pipes that are manufactured according to ISO4427, EN12201 and many other PE pipe standards.

The fittings comply with SI 5283 (ISO14236), Mechanical-joint compression fittings for use with PE pressure pipes, as well as other National metric sized standards for compression fittings.

Working pressure: Fittings with diameter 16 - 63 mm are pressure rating PN16.

Fittings with diameter 75 - 110 mm are pressure rating PN10.

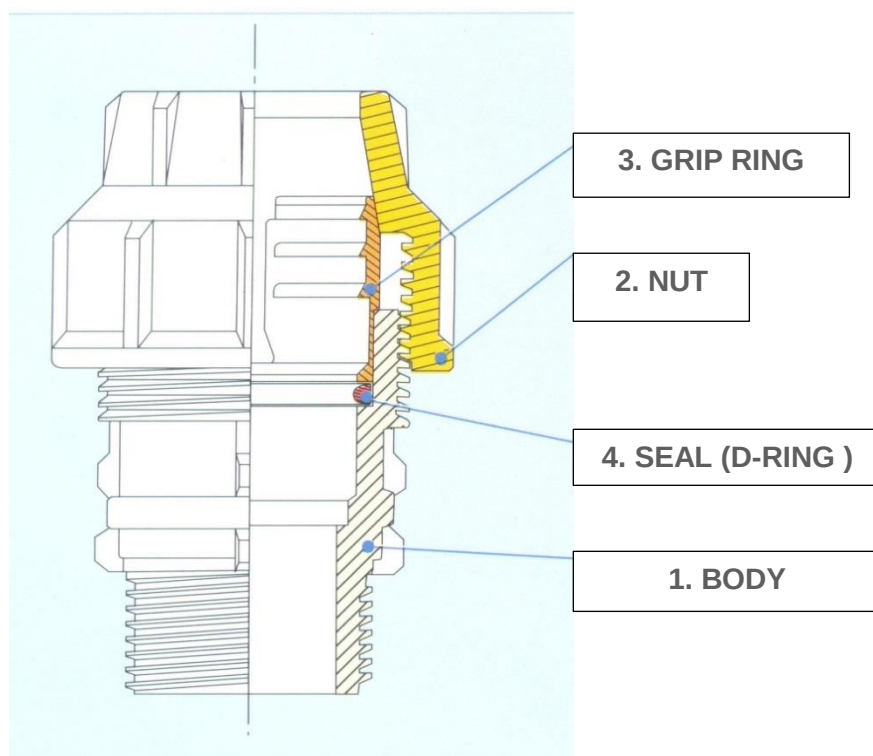
Threads are according to ISO7-1.

Working temperatures: up to 40°C.

No special tools are required for assembly.



STRUCTURE AND MATERIALS



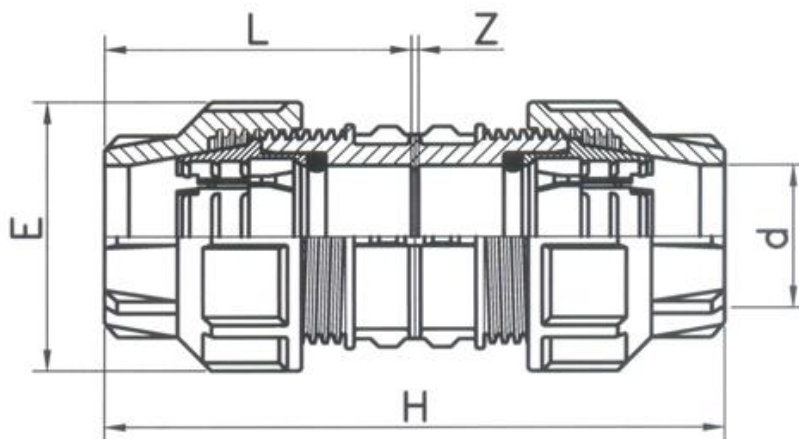
MATERIALS

#	Part	Material	Grade	Color	Note
1	Body	Polypropylene	160E 8229-01	Black	-
2	Nut	Polypropylene	E50E	Black	NUT 50mm only: - Material: PP-B - Supplier: Borealis - Grade: 160E 8229-01 - Color: Black
3	Grip Ring	POM	F 20-EW	White	-
4	Seal (D-Ring)	NBR	N65WKZ 70IRHD	Black	-
5	Reinforcement-ring	SS304			

*Raw materials are subjected to all types of fittings.

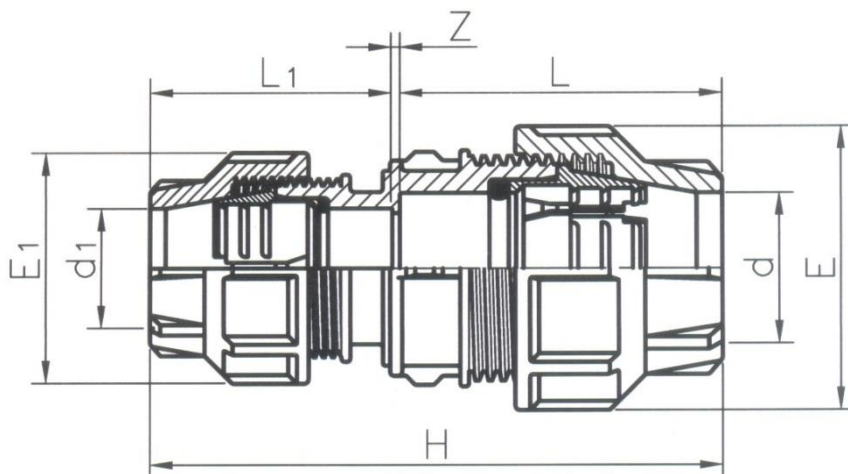
DIMENSIONS

COUPLING



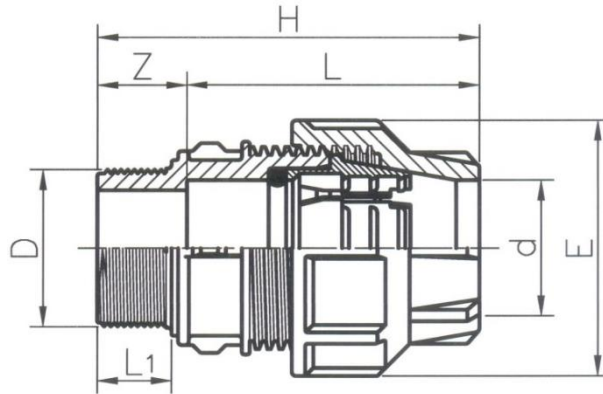
dXd	Cat No	L	Z	H	E	W (gr)
16X16	15016M0016	42.5	2	87	38	35
20X20	15020M0020	52.7	2.6	108	46	60
25X25	15025M0025	61.1	2.8	125	52	85
32X32	15032M0032	66.7	2.6	136	64	140
40X40	15040M0040	74	4	152	78	240
50X50	15050M0050	95.5	5	196	94	435
63X63	15063M0063	115	7	237	113	680
75X75	15075M0075	129.5	4	263	128	880
90X90	15090M0090					
110X110	15110M0110					

REDUCING COUPLING



dXd1	Cat No	L	L1	Z	H	E	E1	W (gr)
20X16	15020D0016	58	42	2	102	46	38	50
25X16	15025D0016	65	42	2	109	52	38	65
25X20	15025D0020	65	49	2	116	52	46	75
32X20	15032D0020	66	54.5	1.5	122	64	46	105
32X25	15032D0025	66	63	2	131	64	52	115
40X25	15040D0025	75	58	2	135	78	52	165
40X32	15040D0032	75	73.5	2.5	143	78	64	196
50X25	15050D0025	96	59	3	158	94	52	275
50X32	15050D0032	96	68	2	166	94	64	295
50X40	15050D0040	96	72.5	6.5	175	94	78	345
63Z32	15063D0032	114	68	7	189	113	64	445
63X40	15063D0040	114	72	6	192	113	78	480
63X50	15063D0050	114	96	6	216	113	94	580
75X32	15075D0032	128	77	3	208	128	64	540
75X40	15075D0040	128	80.5	2.5	211	128	78	580
75X50	15075D0050	128	94	6	228	128	94	670
75X63	15075D0063	128	107.5	4.5	240	128	113	770
110X90	15110D0090							

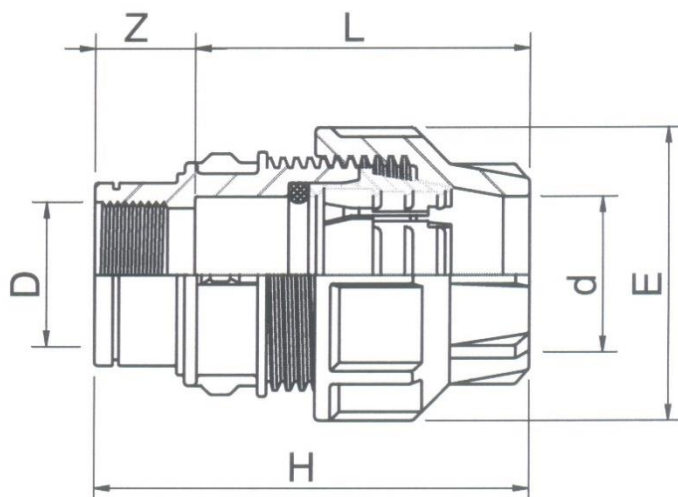
MALE THREADED COUPLING



dXD	Cat No	L	L1	Z	H	E	W (gr)
16x1/2"	15016M0101	43	16	29	72	38	20
16x3/4"	15016M0102	43	18	31	74	38	25
20x1/2"	15020M0101	61	15	22	83	46	40
20x3/4"	15020M0102	61	17	24	85	46	40
20x1"	15020M0103	61	19.5	25	86	46	40
25x1/2"	15025M0101	68	18	24	92	52	50
25x3/4"	15025M0102	67	18	25	92	52	55
25x1"	15025M0103	66	22	29	95	52	55
32x3/4"	15032M0102	67	20.5	30	97	64	80
32x1"	15032M0103	66	25.5	36	102	64	85
32x1 1/4"	15032M0104	68	26.5	35	103	64	85
40x1"	15040M0103	64	22	44	108	78	140
40x1 1/4"	15040M0104	76	26	39	115	78	155
40x1 1/2"	15040M0105	75	26	40	115	78	150
40x2"	15040M0106	75	26	44	119	78	155
50x1 1/2"	15050M0105	97	26	39	136	94	255
50x2"	15050M0106	97	26	39	136	94	260
63x1 1/2"	15063M0105	113	22.5	37	150	113	390
63x2"	15063M0106	114	25	38	152	113	400
75x2"	15075M0106	130	33	42	173	128	515
75x2 1/2"	15075M0107	130	35	43	173	128	515
75x3"	15075M0108	129	35	44	173	128	525
90x2"	15090M0106						
90x3"	15090M0108	180	34	62	96	160	1066
110x3"	15110M0108						
110x4"	15110M0114						

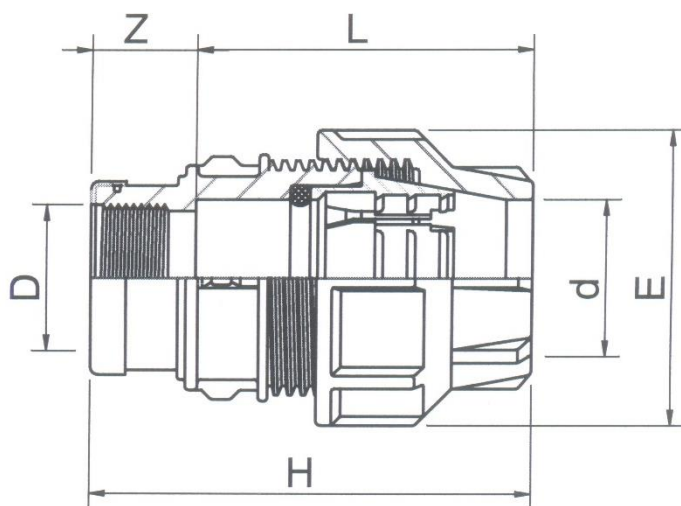
FEMALE THREADED COUPLING

FEMALE THREADED COUPLING WITHOUT S.S RING



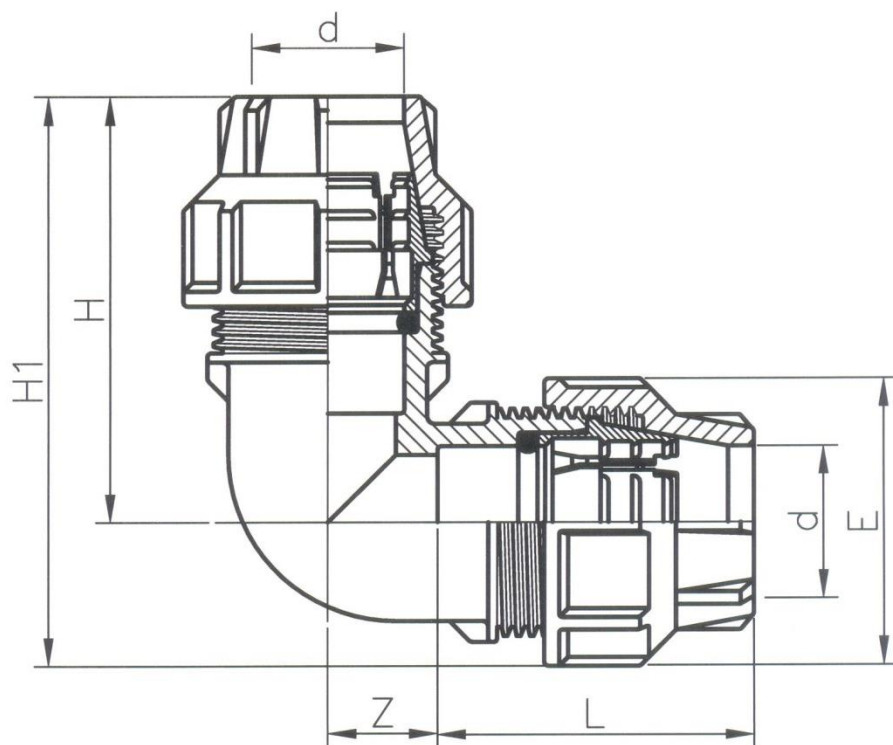
dXD	Cat No	L	Z	H	E	W (gr)
16x1/2"	15016M0201	42	26	68	38	25
16x3/4"	15016M0202	41	30	71	38	30
20x1/2"	15020M0201	52	27	79	46	40
20x3/4"	15020M0202	50	35	85	46	45
25x3/4"	15025M0202	60	25	85	52	55
25x1"	15025M0203	59	36	95	52	65
32x3/4"	15032M0202	68	30	98	64	90
32x1"	15032M0203	68	30	98	64	90

FEMALE THREADED COUPLING WITH S.S RING



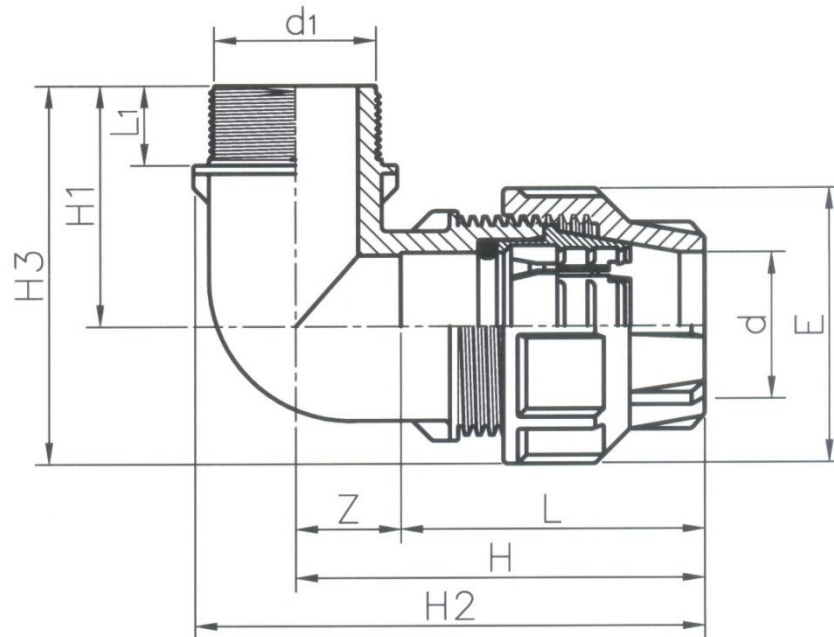
dXD	Cat No	L	Z	H	E	W (gr)
32X1 1/4"	15032M0204	68	42	110	64	115
40X1 1/4"	15040M0204	76	35	111	78	155
40X1 1/2"	15040M0205	76	44	120	78	175
50X1 1/2"	15050M0205	98	38	136	94	275
50X2"	15050M0206	97	44	141	94	300
63X1 1/2"	15063M0205					
63X2"	15063M0206	114	32	146	113	405
75X2"	15075M0206	113	37	150	113	425
75X2 1/2"	15075M0207	130	36	166	128	535
90X2"	15090M0206	129	43	172	128	560
90X3"	15090M0208					
110X3"	15110M0208					
110X4"	15110M0214					

ELBOW



dXd	Cat No	L	Z	H	1H	E	W (gr)
16X16	15016Z0016	45	20	53	73	38	40
20X20	15020Z0020	54	24	73	89	46	75
25X25	15025Z0025	60	30	82	102	52	100
32X32	15032Z0032	72	42	94	125	64	155
40X40	15040Z0040	75	62	108	146	78	290
50X50	15050Z0050	96	72	133	180	94	505
63X63	15063Z0063	109	80	159	204	113	805
75X75	15075Z0075	126	80	165	230	128	1015

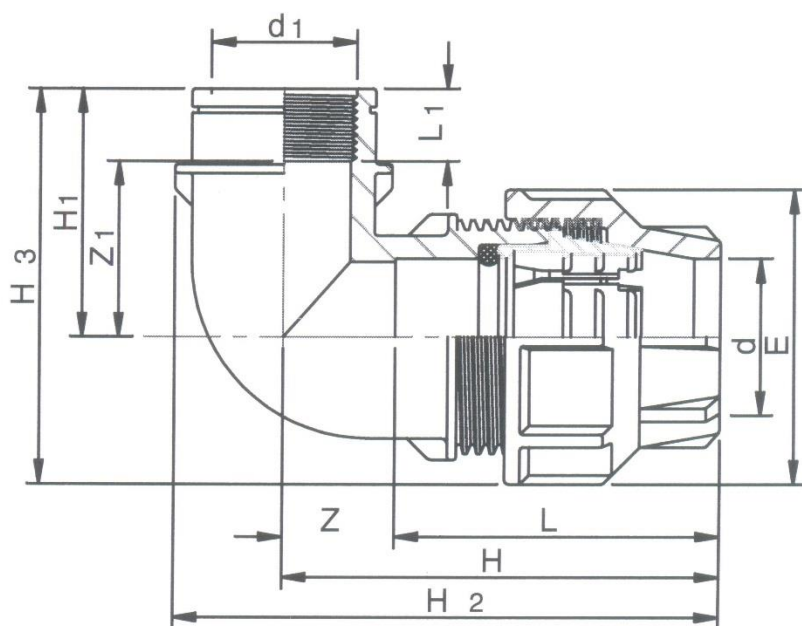
MALE THREADED ELBOW



dXd1	Cat No	L	Z	H	L1	H1	H2	H3	W (gr)
16x1/2"	15016Z0101	45	9	54	16	41	71	59	25
16x3/4"	15016Z0102	45	9	54	18	43	71	62	30
20x1/2"	15020Z0101	52	18	70	16.5	48	89	72	45
20x3/4"	15020Z0102	52	18	70	19	50	89	74	50
25x1/2"	15025Z0101	61	21	82	20	55	104	82	60
25x3/4"	15025Z0102	61	21	82	18	55	102	83	65
25x1"	15025Z0103	61	21	82	21.5	59	102	85	65
32x3/4"	15032Z0102	66	26	92	20	59	117	93	95
32x1"	15032Z0103	66	26	92	20	59	117	93	100
40x1 1/4"	15040Z0104	74	30	104	24	69	130	108	190
40x1 1/2"	15040Z0105	74	30	104	24.5	69	135	111	195
40x2"	15040Z0106	74	30	104	26.5	73	135	113	210
50x1 1/2"	15050Z0105	96	35	131	25	85	166	134	325
50x2"	15050Z0106	96	35	131	25	85	171	134	350
63x2"	15063Z0106	113	44	157	30	105	194	162	490
75x2"	15075Z0106	127	38	165	27	102	204	166	625
75x2 1/2"	15075Z0107	127	38	165	33	106	210	172	690
75x3"	15075Z0108	127	38	165	32	106	219	170	705

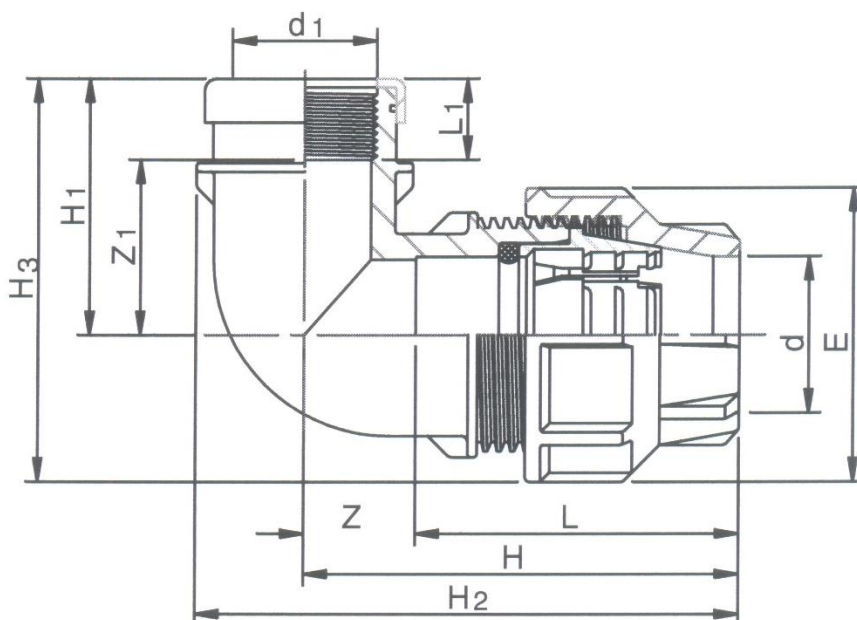
FEMALE THREADED ELBOW

FEMALE THREADED ELBOW WITHOUT S.S RING



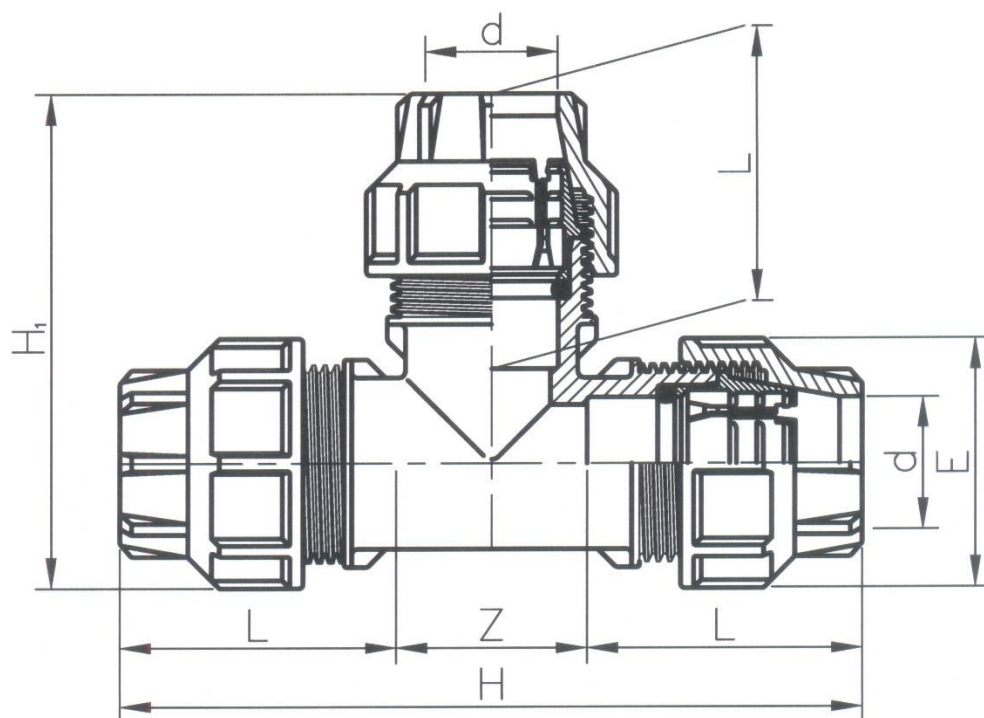
dXd1	Cat No	L	Z	H	E	L1	Z1	H1	H2	H3	W (gr)
16x1/2"	15016Z0201	45	10	55	38	17	21	38	70	56	30
16x3/4"	15016Z0202	45	10	55	38	16	24	40	73	59	30
20x1/2"	15020Z0201	52	20	72	46	18	34	52	90	75	55
20x3/4"	15020Z0202	52	20	72	46	18	34	52	90	75	55
25x3/4"	15025Z0202	61	22	83	52	19	40	59	104	85	70
25x1"	15025Z0203	61	22	83	52	21	40	61	104	87	75

FEMALE THREADED ELBOW WITH S.S RING



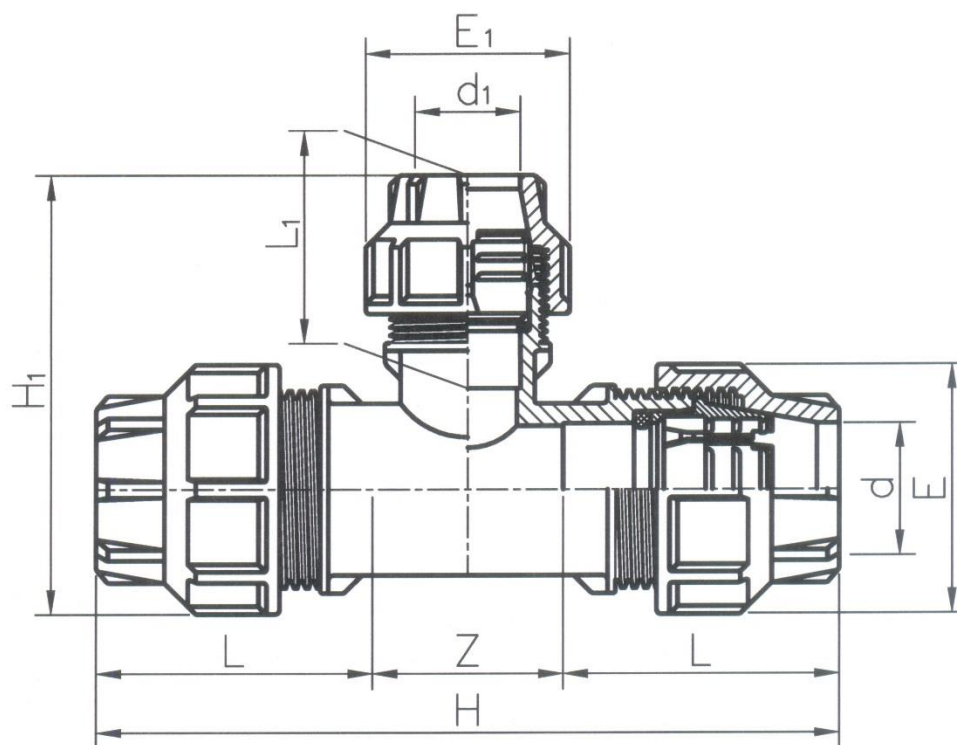
dxd1	Cat No	L	Z	H	E	L1	Z1	H1	H2	H3	W (gr)
32X3/4 "	15032Z0202	66	26	92	64	19	34	53	117	86	100
32X1"	15032Z0203	66	26	92	64	22	39	61	117	93	110
40X1 1/4"	15040Z0204	75	31	106	78	25	45	70	136	109	210
40X1 1/2"	15040Z0205	75	31	106	78	26	48	74	136	115	225
50X1 1/4"	15050Z0204	97	38	135	94	29	56	85	165	132	345
50X1 1/2"	15050Z0205	97	38	135	94	25	60	85	165	134	360
50X2	15050Z0206	97	38	135	94	27	59	86	171	134	395
63X1 1/2"	15063Z0205	111	45	156	113	26	79	105	191	162	505
63X2	15063Z0206	111	45	156	113	35	72	107	199	162	545
75X2"	15075Z0206	128	37	165	128	33	76	109	211	175	710
75X2 1/2"	15075Z0207	128	37	165	128	31	75	106	217	171	745
75X3"	15075Z0208	128	37	165	128	34	74	108	220	174	775

TEE



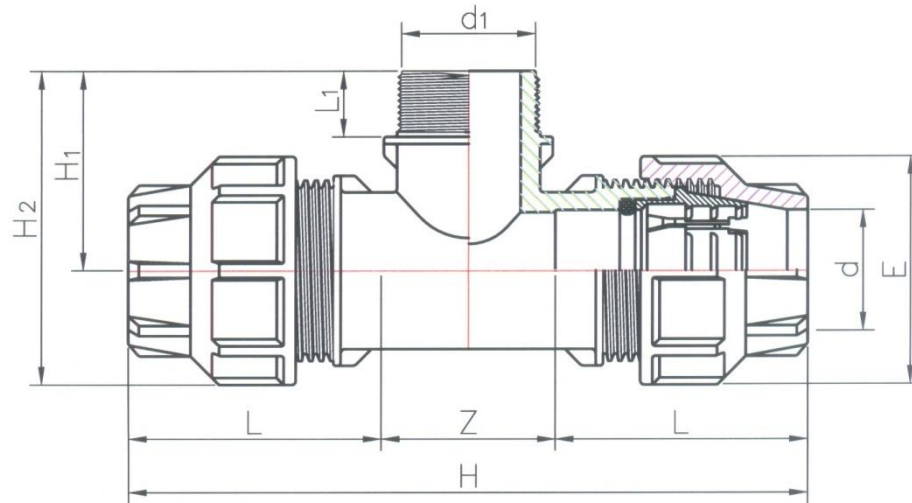
dxdxd	Cat No	L	Z	H	H1	E	W (gr)
16X16X16	15016T0016	45	20	110	73	38	55
20X20X20	15020T0020	54	24	132	89	46	105
25X25X25	15025T0025	60	30	150	102	52	135
32X32X32	15032T0032	72	42	186	125	64	235
40X40X40	15040T0040	75	62	212	146	78	430
50X50X50	15050T0050	96	72	264	180	94	760
63X63X63	15063T0063	109	80	298	204	113	1120
75X75X75	15075T0075	126	80	332	230	128	1490

REDUCING TEE



dxdxd	Cat No	L	Z	H	E	L1	H1	E1	W (gr)
20X16X20	15020T0016	54	24	132	46	49	84	38	90
25x16x25	15025T0016								
25X20X25	15025T0020	60	30	150	52	53	97	46	130
32X16X32	15032T0016								
32X25X32	15032T0025	72	42	186	64	68	121	52	210
40X32X40	15040T0032	75	62	212	78	73	141	64	375
50X40X50	15050T0040	96	72	264	94	74	164	78	665
63X50X63	15063T0050	109	80	298	113	104	196	94	1000
75X63X75	15075T0063	126	80	332	128	113	218	113	1355

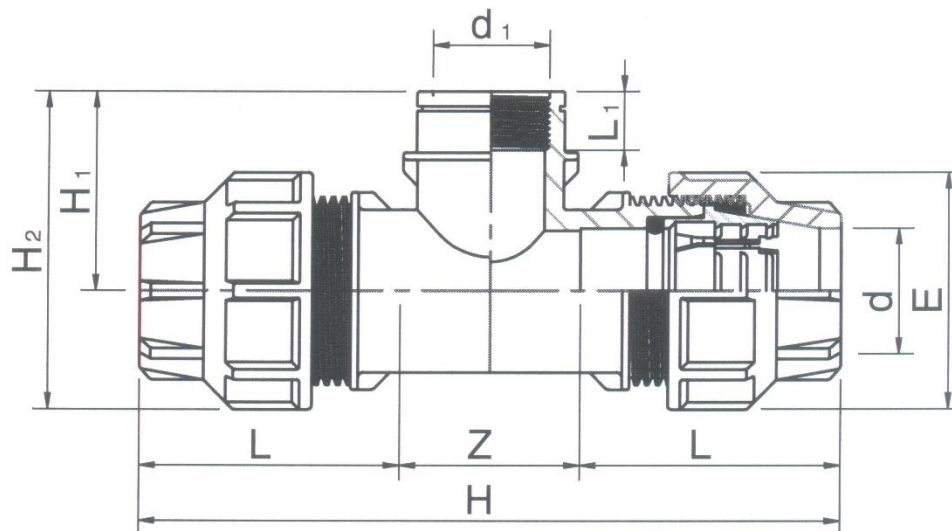
MALE THREADED TEE



dXdx	Cat No	L	Z	H	E	L	H1	H2	W (gr)
16x1/2"x16	15016T0101	45	20	110	38	19	37	59	45
16x3/4"x16	15016T0102	45	20	110	38	22	40	62	45
20x1/2"x20	15020T0101	54	24	132	46	18	42	66	80
20x3/4"x20	15020T0102	54	24	132	46	20	45	68	80
25x1/2"x25	15025T0101	60	30	150	52	18	46	73	100
25x3/4"x24	15025T0102	60	30	150	52	20	48	75	105
25x1"x25	15025T0103	60	30	150	52	23	49	76	110
32x3/4"x32	15032T0102	72	42	186	64	20	60	93	175
32x1"x32	15032T0103	72	42	186	64	20	60	93	175
40x1"x40	15040T0103								
40x1 1/4"x40	15040T0104	75	62	212	78	26	72	113	325
40x1 1/2"x40	15040T0105	75	62	212	78	26	72	113	330
40x2"x40	15040T0106	75	62	212	78	26	72	113	340
50x1 1/4"x50	15050T0104	96	72	264	94	25	78	129	565
50x1 1/2"x50	15050T0105	96	72	264	94	26	78	129	575
50x2"x50	15050T0106	96	72	264	94	28	82	133	590
63x1 1/2"x50	15063T0105	109	80	198	113	24	83	141	800
63x2"x63	15063T0106	109	80	198	113	29	87	145	840
75x2"x75	15075T0106								
75x2 1/2"x75	15075T0107								
75x3"x75	15075T0108	108	103	319	133	32	107	175	1166

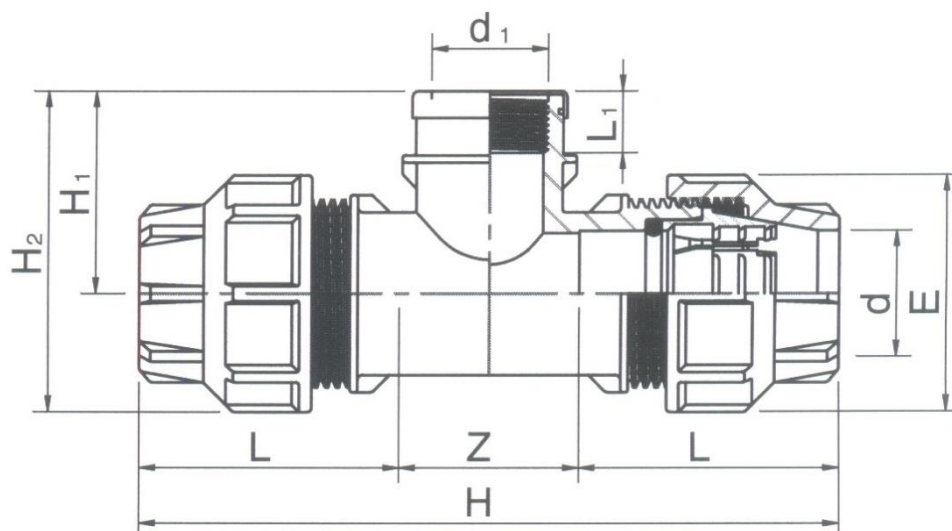
FEMALE THREADED TEE

FEMALE THREADED TEE WITHOUT S.S RING



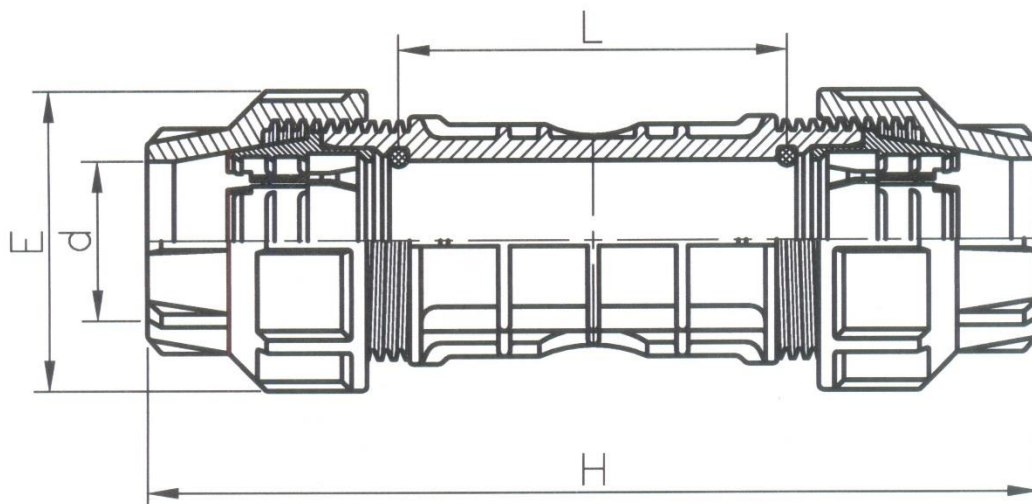
dxd1xd	Cat No	L	Z	H	E	L1	H1	H2	W (gr)
16x1/2"x16	15016T0201	45	20	110	38	17	37	57	45
16x3/4"x16	15016T0202	45	20	110	38	18	40	59	50
20x1/2"x20	15020T0201	54	24	132	46	18	46	70	85
20x3/4"x20	15020T0202	54	24	132	46	18	46	70	85
25x1/2"x25	15025T0201	60	30	150	52	16	44	71	105
25x3/4"x24	15025T0202	60	30	150	52	19	46	73	119
25x1"x25	15025T0203	60	30	150	52	21	52	79	120
32x3/4"x32	15032T0202	72	42	186	64	19	58	85	180
32x1"x32	15032T0203	72	42	186	64	25	58	93	190
32x1 1/4"x32	15032T0204								
40x1"x40	15040T0203	75	62	212	78	22	72	110	330

FEMALE THREADED TEE WITH S.S RING



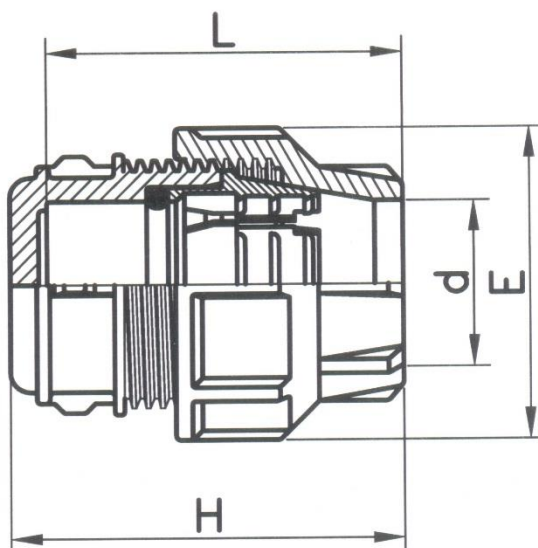
dxd1xd	Cat No	L	Z	H	E	L1	H1	H2	W (gr)
40x1 1/4"x40	15040T0204	75	62	212	78	24	69	113	345
40x1 1/2"x40	15040T0205	75	62	212	78	24	73	113	365
50x1 1/4"x50	15050T0204	96	72	264	94	24	79	128	590
50x1 1/2"x50	15050T0205	96	72	264	94	24	73	131	605
50x2"x50	15050T0206	96	72	264	94	26	85	134	640
63x1 1/2"x63	15063T0205	109	80	298	113	26	85	143	855
63x2"x63	15063T0206	109	80	298	113	28	87	143	885
75x2"x75	15075T0206	126	80	332	128	30	100	166	1150
75x2 1/2"x75	15075T0207	126	80	332	128	31	100	166	1165
75x3"x75	15075T0208	126	80	332	128	34	100	174	1195

REPAIR JOINT



dxd	Cat No	H	E	L	W (gr)
20X20	15020K0020	107	46	34	60
25X25	15025K0025	125	52	44	85
32X32	15032K0032	134	64	44	140
40X40	15040K0040	200	78	93	290
50X50	15050K0050	255	94	119	535
63X63	15063K0063	285	113	131	785
75X75	15075K0075	320	128	150	1060
90X90	15090K0090				
110X110	15110K0110				

LINE END

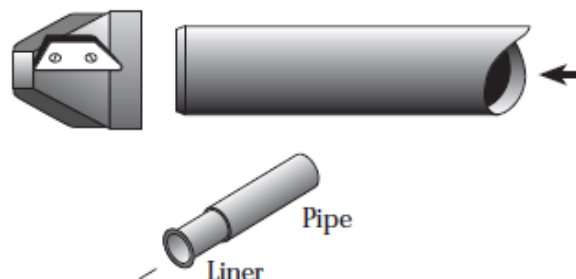


dx	Cat No	L	H	E	W (gr)
20	15020S0120	59	64	46	36
25	15025S0120	60	74	52	52
32	15032S0120	67	76	64	83
40	15040S0120	95	101	78	141
50	15050S0120	98	123	94	253
63	15063S0120	114	125	113	382
75	15075S0120	130	145	128	493
90	15090S0120				
110	15110S0120				

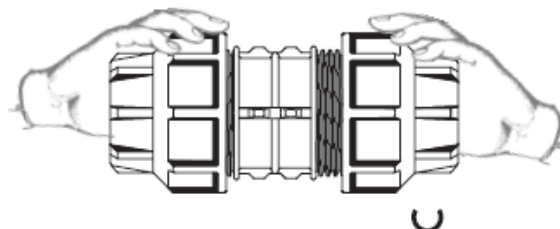
PN16 150 Series Compression Fittings

Installation Instructions for Diameters 16-75 mm

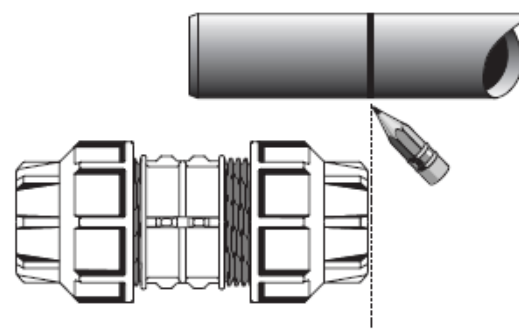
1. Bevel the pipe end.
Ask your supplier for **Plas-fit's Chamfering tool**
a.1 (UK) Insert the correct liner into the pipe.



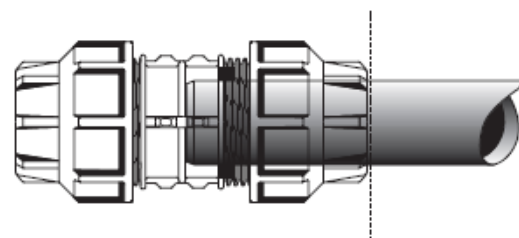
2. Release the Coupling Nut almost to the end of the thread but do not remove.



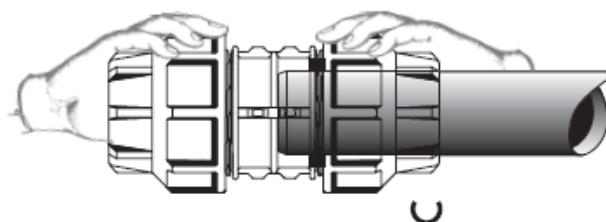
3. Mark the insertion depth on the pipe.



4. Push the pipe into the fitting, until it reaches the internal edge stopper, **beyond the D Ring** (the mark on the pipe should reach the nut).



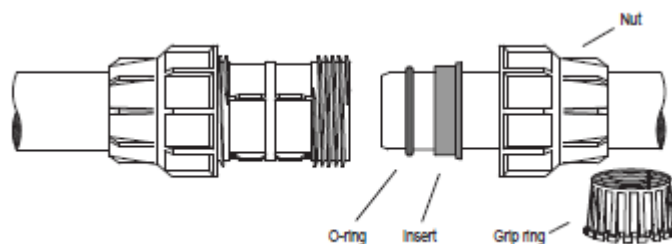
5. Tighten the Nut manually.



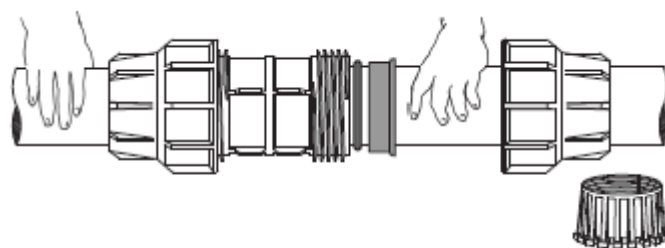
PN16 150 Series Compression Fittings

Installation Instructions for Diameters 90-110 mm

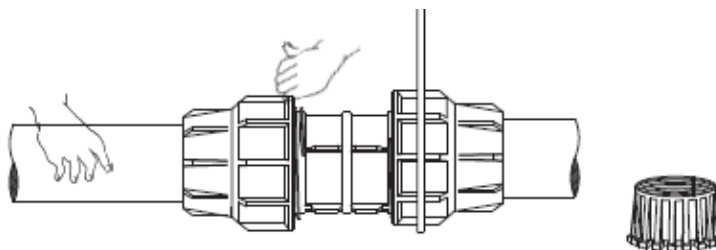
1. Unscrew the fitting. Leaving the grip ring a side; thread the nut, the insert and the O-ring on the pipe.



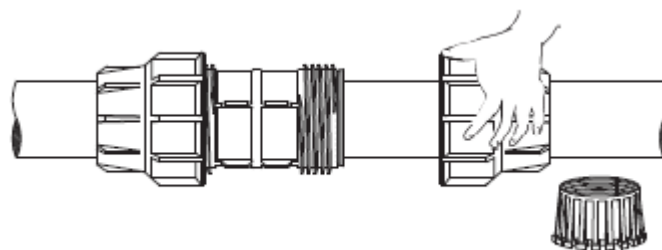
2. Push the pipe into the fitting until it reaches the internal edge stopper. Advance the O-ring and the insert towards the body of the fitting.



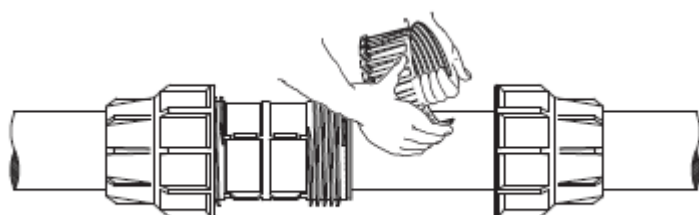
3. Tighten the nut until it reaches the end of the thread, using a suitable wrench.



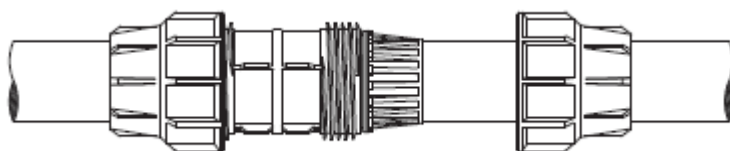
4. Unscrew the nut and remove it from the body of the fitting.



5. Open the grip ring and place it on the pipe, next to the insert.



6. The fitting is now ready for final tightening.



7. Tighten the nut, using a wrench.

