



GOLD Fittings Co. LTD.

ISO 4427, EN12201,AS/NZS 4129 PE Fittings, 1504437 standards etc. From the diameter OD50 to 1200mm, could be used for water supply, oil and gas transmission. The pressure rate PN10, PN12.5, PN16, PN20, PN25 are available for options.

New SESSION
WITH NEW QUALITY GENERATION



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Gold

Fittings



GOLD Fittings Co. LTD.

Gold Pipeline has a wide range of butt fusion welding HDPE fittings in accordance with the ISO 4427, EN12201, AS/NZS 4129 PE Fittings, ISO 4437 standards etc. From the diameter OD50 to 1200mm, could be used for water supply, oil and gas transmission. The pressure rate PN10, PN12.5, PN16, PN20, PN25 are available for options.



ISO 9001: 2015 ISO 45001: 2018 ISO 14001:
2015 CEI CNA5

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GOLD HDPE

Butt fusion fittings

Gold Pipeline has a wide range of butt fusion welding HDPE fittings in accordance with the ISO 4427, EN12201, AS/NZS 4129 PE Fittings, ISO 4437 standards etc. From the diameter OD50 to 1200mm, could be used for water supply, oil and gas transmission. The pressure rate PN10, PN12.5, PN16, PN20, PN25 are available for options.



Butt Fusion Fittings

Reducer/ Reducing Coupler	OD75-630mm	PN25, PN20, PN16, PN12.5, PN10
Tee	OD63-630mm	PN25, PN20, PN16, PN12.5, PN10
Reducer Tee	OD75-630mm	PN25, PN20, PN16, PN12.5, PN10
90 deg elbow	OD63-630mm	PN16, PN12.5, PN10
45 deg elbow	OD63-630mm	PN16, PN12.5, PN10
30 deg elbow	OD63-630mm	PN16, PN12.5, PN10
22.5 deg elbow	OD110-630mm	PN16, PN12.5, PN10
End Cap	OD75-1200mm	PN25, PN20, PN16, PN12.5, PN10
Cross Tee	OD63-315mm	PN16, PN12.5
Reducer Cross Tee	OD90-315mm	PN16, PN12.5
Stub End	OD50-630mm	PN16, PN12.5, PN10
Lateral Tee(45 deg Tee)	OD63-160mm	PN16
Other diameter(630-1200mm) and pressure rates(Especially for the high pressure rate more than PN20) could be customized accordingly.		

Injection Molding and Customized by CNC Machines

GOLD ELBOW 90° 45°

90° ELBOW			45° ELBOW		
D(mm)	l(mm)	H(mm)	D(mm)	l(mm)	H(mm)
63	65	128	63	64	168
75	65	140	75	63	180
90	65	155	90	63	190
110	65	175	110	63	196
125	70	195	125	66	215
140	75	215	140	74	242
160	75	240	160	79	260
180	85	275	180	79	295
200	100	305	200	80	300
225	108	340	225	108	360
250	108	365	250	100	365
280	112	400	280	108	400
315	112	430	315	100	405
355	100	460	355	100	430
400	100	510	400	101	472
450	150	610	450	125	552
500	150	660	500	125	593
560	155	720	560	125	635
630	158	800	630	125	695
710	170	900	710	170	830
800	170	990	800	170	900

Dimension in millimeter

PN10, PN12.5, PN16 pressure rates are available



GOLD TEE

D(mm)	l(mm)	L(mm)
63	65	204
75	65	215
90	65	230
110	65	254
125	70	275
140	70	290
160	75	324
180	110	420
200	110	420
225	115	470
250	115	485
280	115	516
315	115	562
355	100	580
400	110	640
450	145	625
500	145	820
560	160	900
630	165	975
710	210	1140
800	230	1260

TEE

Dimension in millimeter

PN10, PN12.5, PN16 pressure rates are available



GOLD | REDUCER TEE

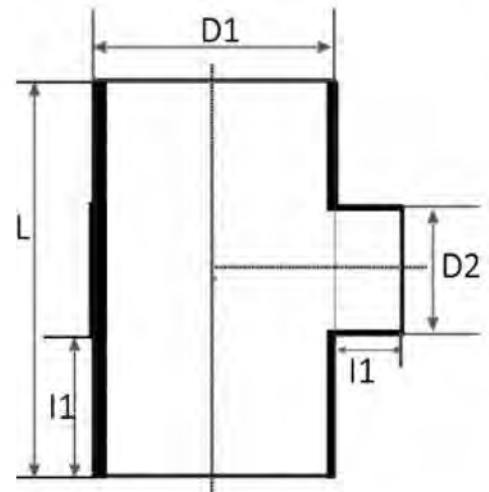
D1	D2	I1	I2	L	D1	D2	I1	I2	L
75	50	62	62	190	400	110	110	80	355
75	63	64	64	203	400	160	110	120	402
90	50	75	61	212	400	200	110	120	443
90	63	64	63	203	400	225	120	120	510
90	75	66	63	218	400	250	110	120	493
110	50	64	65	191	400	280	120	140	545
110	63	65	62	204	400	315	110	120	556
110	75	63	63	215	400	355	120	160	628
110	90	64	64	230	450	110	160	90	436
125	63	75	70	212	450	160	160	125	485
125	75	75	70	226	450	200	160	125	532
125	90	75	70	240	450	250	160	125	582
125	110	75	70	263	450	315	160	125	556
140	63	75	70	213	450	400	160	160	569
140	75	75	70	226	500	110	160	160	430
140	90	75	70	240	500	160	160	90	488
140	110	75	70	260	500	200	160	125	520
140	125	75	75	278	500	250	160	125	568
160	63	80	70	225	500	315	160	125	640
160	75	80	70	234	500	355	150	160	700
160	90	75	70	254	500	400	150	160	700
160	110	75	80	273	500	450	150	160	780
160	125	80	80	283	560	110	170	90	508
160	140	80	80	298	560	160	170	125	507
180	90	110	80	312	560	200	170	125	545
180	110	110	80	330	560	250	170	125	590
180	160	110	110	382	560	315	170	125	660
200	63	110	70	280	560	400	170	160	740
200	75	110	70	282	560	450	170	160	796
200	90	110	70	301	560	500	170	160	840
200	110	110	70	320	630	110	170	90	459
200	125	95	80	250	630	160	170	125	503
200	140	95	80	368	630	200	170	125	540
200	160	110	110	371	630	225	170	125	586
200	180	110	110	400	630	250	170	125	586
225	110	110	85	356	630	315	170	125	665
225	160	115	110	387	630	400	170	160	750
225	200	115	110	425	630	450	170	160	797
250	110	110	80	338	630	500	170	160	845
250	125	110	80	345	710	110	210	160	530
250	160	115	110	396	710	160	210	160	585
250	200	115	110	434	710	200	210	160	630
250	225	115	110	460	710	250	190	160	630
280	110	120	115	348	710	315	195	160	710
280	160	120	115	400	710	400	195	175	790
280	200	120	115	436	710	500	195	200	890
280	250	120	115	490	710	630	195	210	1020
315	110	120	80	357	800	110	230	160	590
315	160	120	120	408	800	160	210	160	590
315	200	120	120	445	800	200	210	160	630
315	225	110	120	472	800	250	230	160	720
315	250	120	120	496	800	315	230	160	800
315	280	120	120	525	800	355	230	180	850
355	110	110	80	333	800	400	230	180	850
355	160	110	110	381	800	500	195	210	1020
355	200	110	110	420	800	630	230	210	1100
355	250	110	110	470	800	710	195	210	1100
355	315	110	110	538					

REDUCER TEE

Dimension in millimeter



PN10, PN12.5, PN16 pressure rates are available



PN10, PN12.5, PN16 pressure rates are available

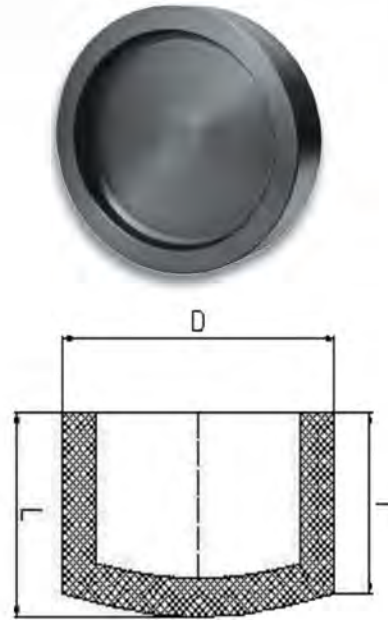
GOLD | CAP

D(mm)	I(mm)	L(mm)
63	43	52
75	44	54
90	64	73
110	60	73
125	80	88
140	83	90
160	69	85
180	80	95
200	75	90
225	70	85
250	102	115
280	110	128
315	105	128
355	110	135
400	102	130
450	110	135
500	110	135
560	110	140
630	110	140
710	120	150
800	120	150
900	120	150
1000	120	150
1200	150	190

CAP

Dimension in millimeter

PN10, PN12.5, PN16 pressure rates are available



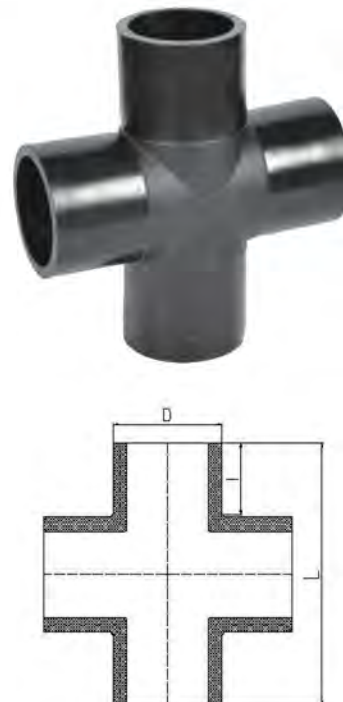
GOLD | CROSS

D(mm)	I(mm)	L(mm)	SDR
63	60	184	11
75	65	203	11
90	75	240	11
110	80	260	13.6
125	85	295	13.6
160	80	330	13.6
200	115	440	13.6
225	115	460	13.6
250	120	493	13.6
315	120	558	17
355	140	640	17
400	140	685	17
450	140	740	17
500	150	810	17
560	150	875	17
630	160	960	17
710	210	1140	17
800	235	1280	17

CROSS

Dimension in millimeter

PN10, PN12.5, PN16 pressure rates are available



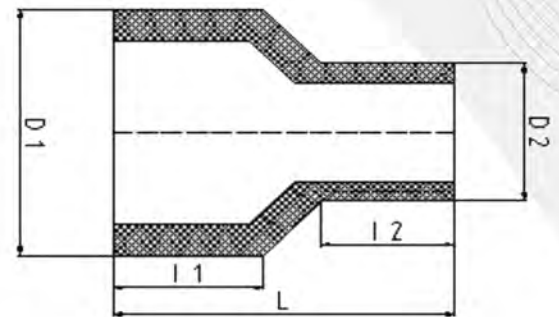
GOLD | REDUCER COUPLING

D1(mm)	D2(mm)	I1(mm)	I2(mm)	L(mm)
160	140	70	70	145
180	110	70	70	153
180	160	70	80	156
200	63	70	70	142
200	75	70	70	142
200	90	70	70	157
200	110	70	70	153
200	125	70	70	154
200	140	70	70	154
200	160	70	80	159
225	110	70	70	156
225	160	70	80	162
225	200	70	80	155
250	110	70	70	160
250	125	70	70	157
250	160	70	80	163
250	200	70	80	159
250	225	70	80	155
280	110	80	70	150
280	160	80	80	160
280	200	80	80	160
280	250	80	80	168
315	110	80	70	181
315	125	80	70	180
315	160	80	80	184
315	180	80	80	181
315	200	80	80	178
315	225	80	80	174
315	250	80	80	171
315	280	80	90	180
355	110	80	70	180
355	160	80	80	183
355	200	80	80	177
355	250	80	80	170
355	315	80	90	179
400	110	90	70	205
400	160	90	80	208
400	200	90	80	202
400	225	90	80	198
400	250	90	80	193
400	280	90	90	199
400	315	90	95	200
400	355	90	95	194
450	315	85	90	175
450	400	85	100	185
500	200	90	80	170
500	250	90	80	170
500	315	90	90	180
500	355	90	90	180
500	400	90	100	190
500	450	90	100	190
560	400	90	100	190
560	500	90	100	190
630	315	90	90	180
630	400	90	100	190
630	500	90	100	190
630	560	90	100	190

REDUCER COUPLING

Dimension in millimeter

PN10, PN12.5, PN16 pressure rates are available



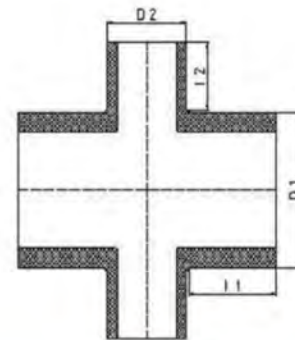
GOLD | REDUCER CROSS

D1	D2	I1	I2	L
90	63	85	75	240
110	63	80	75	225
125	75	110	80	295
225	160	110	110	380
315	200	120	110	445
355	200	140	120	485
400	200	140	120	490
450	200	140	120	490
450	315	140	130	605
500	110	150	140	420
500	160	150	140	470
500	200	150	140	510
500	250	150	140	565
500	315	150	140	625
560	200	150	140	515
560	315	150	140	625
630	200	160	140	530
630	315	160	140	660
710	200	210	160	630
710	315	210	160	745
800	200	210	160	630
800	400	220	180	845

REDUCER CROSS

Dimension in millimeter

PN10, PN12.5, PN16 pressure rates are available



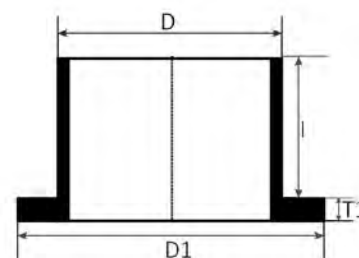
GOLD | STUB END

D(mm)	I(mm)	D1(mm)	T1(mm)
63	78	94	9
75	79	108	10
90	81	124	12
110	80	149	14
125	90	160	15
140	88	179	16
160	95	210	18
180	95	219	20
200	94	263	22
225	105	269	25
250	171	319	27
280	172	325	30
315	173	370	33
355	173	427	37
400	172	480	41
450	165	515	46
500	215	575	51
560	120	630	57
630	209	690	64
710	247	800	71
800	255	900	79
900	265	998	89
1000	258	1100	97
1200	230	1300	118

STUB END

Dimension in millimeter

PN10, PN12.5, PN16 pressure rates are available



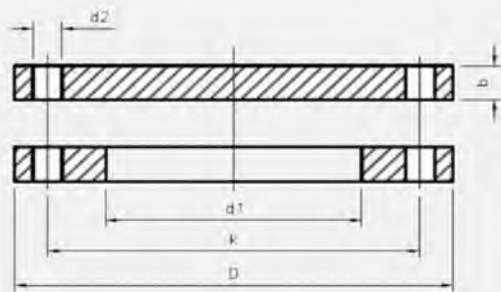
Dimension Pipe OD	Pressure
20	PN4-PN16
25	
32	
40	
50	
63	
75	
90	
110	
125	
140	
160	
180	
200	
225	
250	
280	
315	
355	
400	
450	
500	
560	
630	



QUALITY *is*
EVERYTHING
in our visions

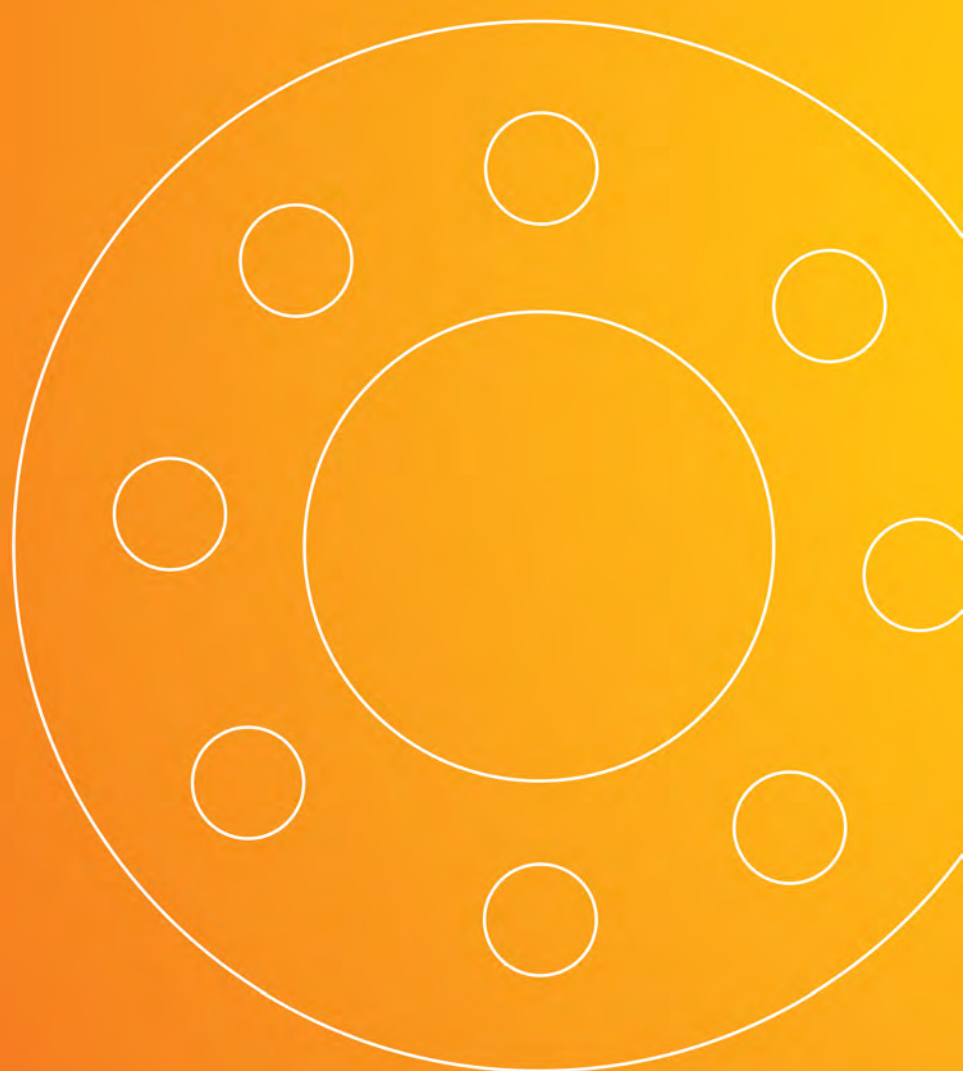
Gold
Fittings





Note: EN1092, BS4504, ISO7005, AS2129, BS 10, ANSI B16.5, ASBS1123 Standards with metal, steel, stainless steel different material are available.

DIAMETER PIPE		NORMA ANSI B16.5 150 PSI						NORMA ANSI B16.5 300 PSI				
		DIMENSIONS				BOLTS		DIMENSIONS			BOLTS	
NOMINAL	EQUIVALENTE	D	k	d1	b	N°	d2	D	k	b	N°	d2
mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
20	1/2	88.9	60.3	32	10	4	15.9	95.3	66.6	14.2	4	15.75
25	3/4	98.6	69.8	38	11	4	15.9	117.4	82.6	15.7	4	19.05
32	1	108.0	79.4	45	13	4	15.9	124.0	88.9	17.5	4	19.05
40	1 1/4	117.3	88.9	55	14	4	15.9	133.4	98.6	19.1	4	19.05
50	1 1/2	127.0	98.4	66	16	4	15.9	155.5	114.3	20.6	4	19.05
63	2	152.4	120.8	78	17	4	19.1	165.1	127.0	22.4	8	19.05
75	2 1/2	177.8	139.7	92	21	4	19.1	180.5	149.4	25.4	8	22.35
90	3	190.5	152.4	108	22	4	19.1	209.6	168.2	28.4	8	22.35
110	4	228.6	190.5	128	22	8	19.1	254.0	200.2	31.8	8	22.35
125	5	254.0	215.9	135	22	8	22.2	279.4	235.0	35.1	8	22.35
140	5 1/2	254.0	215.9	158	22	8	22.2	279.4	235.0	35.1	8	22.35
160	6	279.4	241.3	178	24	8	22.2	317.5	269.8	36.6	12	22.35
180	6	279.4	241.3	188	24	8	22.2	317.5	269.8	36.6	12	22.35
200	8	342.9	298.4	235	27	8	22.2	371.0	330.2	41.1	12	25.40
225	8	342.9	298.4	238	27	8	22.2	381.0	330.2	41.1	12	25.40
250	10	406.4	362.0	288	29	12	25.4	444.5	387.4	47.8	16	28.45
280	10	406.4	362.0	294	29	12	25.4	444.5	387.4	47.8	16	28.45
315	12	482.6	431.8	338	30	12	25.4	520.7	450.9	50.8	16	31.75
355	14	533.4	476.2	376	33	12	28.6	584.2	514.4	53.8	20	31.75
400	16	596.9	539.7	430	35	16	28.6	647.7	571.5	57.2	20	35.05
450	18	635.0	577.8	497	38	16	31.7	711.2	628.7	60.5	24	35.05
500	20	698.5	635.0	533	41	20	31.7	774.7	685.8	63.5	24	35.05
560	22	748.0	692.2	585	44	20	34.9	838.2	742.9	65.0	24	38.10
630	24	812.0	749.3	645	46	20	34.9	914.4	812.8	68.4	24	41.15
710	28	927.0	864.0	740	50	28	34.9	1035.1	939.8	79.5	28	50.80
800	32	1,060.0	977.9	843	56	28	41.3	1092.2	997.0	82.6	28	50.80
900	36	1,168.0	1,086.0	947	59	32	41.3	1270.0	1168.4	87.9	32	57.15
1000	40	1,289.0	1,200.1	1050	62	36	41.3	1378.0	1276.4	92.2	36	57.15
1200	48	1,511.0	1,422.0	1260	69	44	41.3	1651.0	1543.1	114.3	40	57.15



FLANGES & BLIND FLANGES

from GOLD products



HDPE Fabricated FITTINGS

from GOLD products

goldfittings.com

Fabricated segments PE fittings are made by the HDPE pipes according to international standards DIN 16963 or other specifications to meet the specific demands of the customer. Fabricated fittings are suitable for butt-fusion and electro-fusion joints, and it could be connected by the flanges.

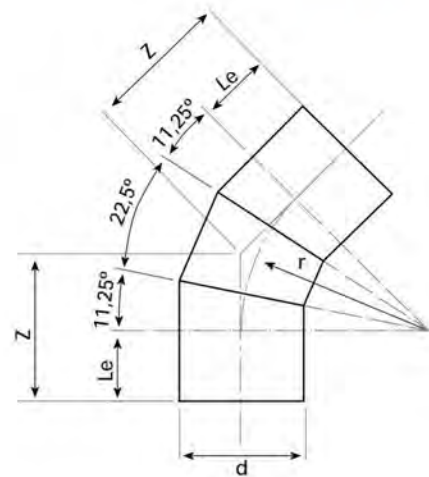
Our fabricated HDPE fittings include fabricated elbows by short radius with 45 deg, 30deg, 60 deg 90 deg, 22.5, deg, 11.25 deg elbows and other customized non-traditional angles (degree elbows) as clients' requirement, fabricated tees, fabricated reducing tees, fabricated sweep bends by R1.5D, R3D, lateral 45 deg tees, and other fabricated fittings as requirements from 50mm to 1600mm. All these fabricated fittings are produced and test in accordance with the standard DIN16963.

ELBOW 45 ° (± 2 °) AND ELBOW 30 ° (± 2 °) STANDARD DIN 16963 PART 1

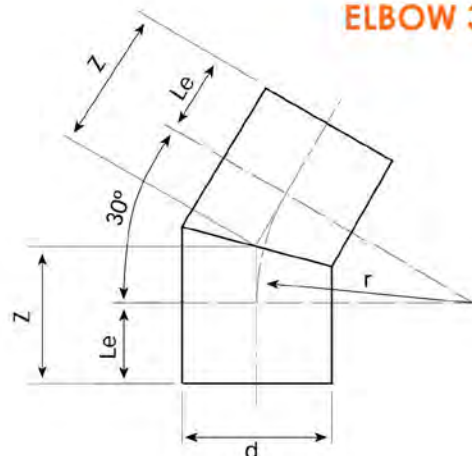
ELBOW 45°

Diameter d	Diameter	Le min	L min	Z1 min	Z2 min
mm	inch	mm	mm	mm	mm
90	3	135	100	156	136
110	4	165	150	218	194
125	5	188	150	228	200
140	5 1/2	210	150	237	206
160	6	240	150	249	214
180	6	270	150	262	222
200	8	300	150	274	230
225	8	338	150	290	241
250	10	375	250	412	350
280	10	420	250	424	362
315	12	473	300	498	428
355	14	533	300	520	443
400	16	600	300	548	461
450	18	675	300	580	481
500	20	750	350	665	551
560	22	840	350	698	575
630	24	945	350	741	603
710	28	1065	350	792	636
800	32	1200	350	847	672
900	36	1350	400	960	762
1000	40	1500	400	1022	802
1200 ⁽²⁾	48	1800	400	1146	882
1400 ⁽²⁾	54	2100	400	1270	963
1600 ⁽²⁾	64	2400	400	1394	1043

1) $r=1.5d$
 2) Values not covered by DIN16963 standard



ELBOW 30°



NOTES :

- Can be manufactured in all PN nominal pressures
- Other dimensions and configurations on request
- For the calculation of resistances, 0.8 PN must be considered

ELBOW 90° (± 2°) AND ELBOW 60° (± 2°) STANDARD DIN 16963 PART 2

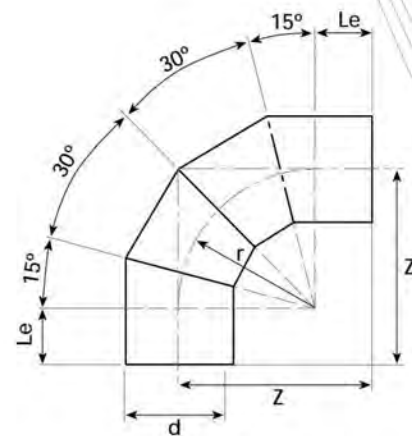
Diameter d	Diameter	r (1)	Le min	Z min 90°	Z min 60°
mm	inch	mm	mm	mm	mm
90	3	135	100	235	178
110	4	165	150	315	245
125	5	188	150	338	258
140	5 1/2	210	150	360	271
160	6	240	150	440	288
180	6	270	150	470	305
200	8	300	150	500	323
225	8	338	150	538	345
250	10	375	250	625	466
280	10	420	250	670	492
315	12	473	300	773	576
355	14	533	300	833	608
400	16	600	300	900	646
450	18	675	300	975	689
500	20	750	350	1100	783
560	22	840	350	1190	835
630	24	945	350	1295	896
710	28	1065	350	1415	965
800	32	1200	350	1550	1043
900	36	1350	400	1750	1179
1000	40	1500	400	1900	1266
1200 (2)	48	1800	400	2200	1439
1400 (2)	54	2100	400	2500	1612
1600 (2)	64	2400	400	2800	1786

1) $r=1.5d$
 2) Values not covered by DIN16963 standard

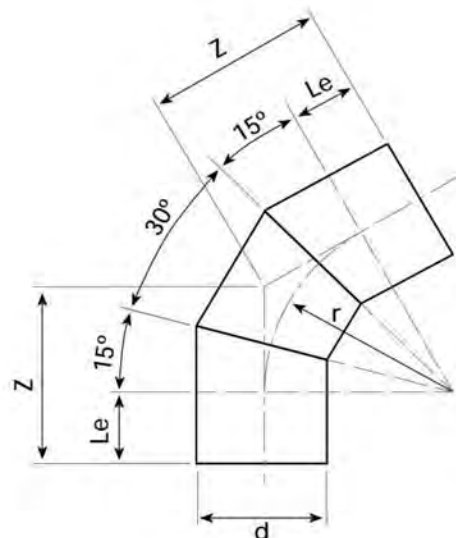
NOTES :

- Can be manufactured in all PN nominal pressures
- Other dimensions and configurations on request
- For the calculation of resistances, 0.8 PN must be considered

ELBOW 90°

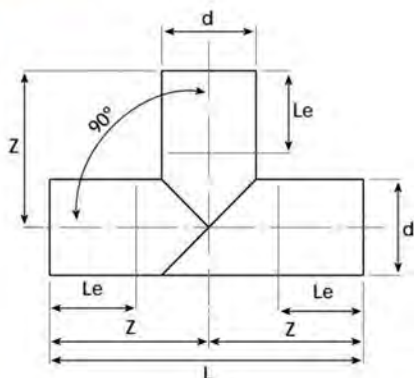


ELBOW 60°

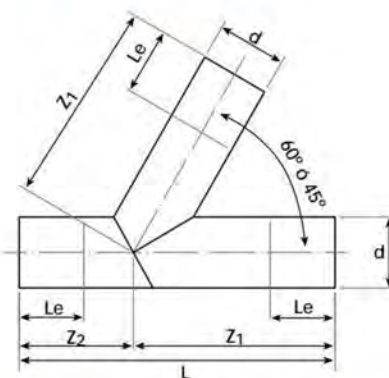


TEE 45° (± 2°) (1) & TEE 60° (± 2°) AND 90° STANDARD
DIN 16963 PART 2

ELBOW 90°



TEE 45° & TEE 60°



Diameter d	Diameter	TEE 45° & TEE 60				TEE 90°		
		Le min	L min	Z1 min	Z2 min	Le min	L min	Z min
mm	inch	mm	mm	mm	mm	mm	mm	mm
90	3	100	650	385	265	100	590	295
110	4	150	700	425	275	150	610	305
125	5	150	745	455	290	150	630	315
140	5 1/2	150	781	475	306	150	640	320
160	6	150	842	512	330	150	660	330
180	6	150	900	550	350	150	680	340
200	8	150	959	587	375	150	700	350
225	8	150	1030	630	400	150	730	365
250	10	250	1305	780	525	250	1150	575
280	10	250	1395	830	565	250	1180	590
315	12	300	1490	890	600	300	1320	660
355	14	300	1555	930	625	300	1360	680
400	16	300	1650	1000	650	300	1400	700
450	18	300	1725	1050	675	300	1450	725
500	20	350	1900	1150	750	350	1600	800
560	22	350	1980	1200	780	350	1660	830
630	24	350	2045	1250	795	350	1730	865
710	28	350	2170	1340	830	350	1810	905
800	32	350	2310	1430	880	350	1900	950
900	36	400	2310	1620	970	400	2100	1050
1000	40	400	2590	1660	1010	400	2200	1100
1200 (2)	48	400	2680	1750	1100	400	2400	1200
1400 (2)	54	400	3000	1800	1200	400	2400	1200
1600 (2)	64	400	3000	1800	1200	400	2400	1200

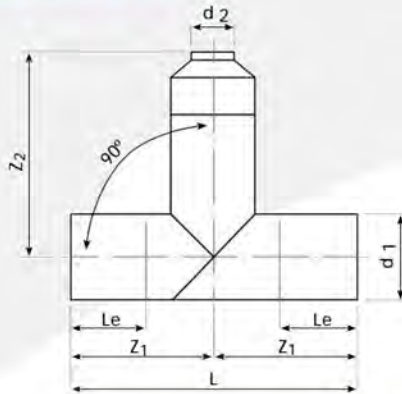
1) Tee 45° is manufactured as a special part
2) Values not covered by DIN16963 standard

NOTES :

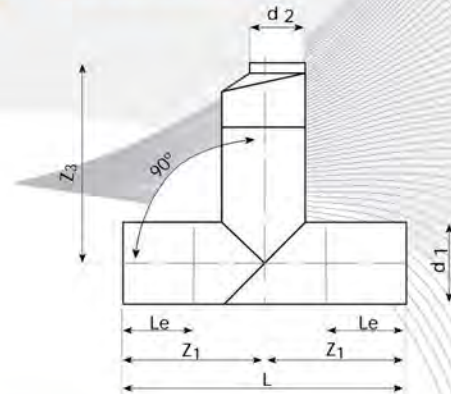
- Can be manufactured in all PN nominal pressures
- Other dimensions and configurations on request
- For the calculation of resistances, 0.8 PN must be considered

TEE 90° (± 2°) WITH CONCENTRIC / ECCENTRIC REDUCTION STANDARD DIN 16963 PART 2 AND 3

CONCENTRIC TEE



ECCENTRIC TEE



Diameter d1	Diameter	Diameter d2	Le min	L min	Z1 min	Z2 min	Z3 min
mm	inch	mm	mm	mm	mm	mm	mm
110	4	63-90	150	610	305	365	375
125	5	63-110	150	630	315	415	425
140	5 1/2	75-125	150	640	320	420	430
160	6	90-140	150	660	330	430	440
180	6	90-160	150	680	340	445	455
200	8	110-180	150	700	350	455	465
225	8	125-200	150	730	365	470	480
250	10	125-225	250	1150	575	680	690
280	10	140-250	250	1180	590	695	705
315	12	160-280	300	1320	660	785	810
355	14	180-315	300	1360	680	805	825
400	16	200-355	300	1400	700	830	850
450	18	225-400	300	1450	725	855	875
500	20	250-450	350	1600	800	930	950
560	22	280-500	350	1660	830	960	980
630	24	315-580	350	1730	865	1005	1025
710	28	355-560	350	1810	905	1055	1075
800	32	400-710	350	1900	950	1120	1145
900	36	450-800	400	2100	1050	1245	1295
1000	40	500-900	400	2200	1100	1295	1345
1200 (1)	48	630-1000	400	2400	1200	1420	1450
1400 (1)	54	710-1200	400	2600	1300	1500	1585
1600 (1)	64	800-1400	400	2800	1400	1700	1710

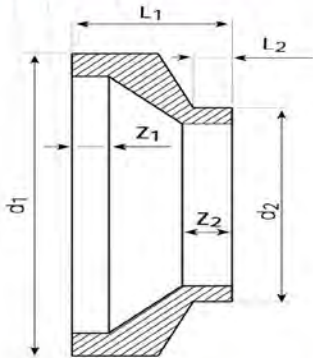
1) Values not covered by DIN16963 standard

NOTES :

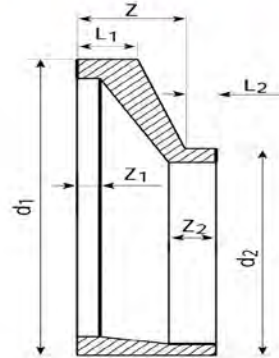
- Can be manufactured in all PN nominal pressures
- Other dimensions and configurations on request
- For the calculation of resistances, 0.8 PN must be considered

REDUCTIONS FOR THERMOFUJION WELDING ACCORDING TO STANDARD DIN 16963

REDUCTION CONCENTRIC



REDUCTION ECCENTRIC



Diameter d1	Diameter	Diameter d2	REDUCTION CONCENTRIC				REDUCTION ECCENTRIC				
			L1	L2	Z1	Z2	L1	L2	Z1	Z2	Z
mm	inch	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
110	4	63-90	60	10	10	20	40	10	10	20	60
125	5	63-110	100	10	10	20	66	10	10	20	100
140	5 1/2	75-125	100	10	10	20	66	10	10	20	100
160	6	90-140	100	10	10	20	66	10	10	20	100
180	6	90-160	105	15	15	30	70	15	15	30	105
200	8	110-180	105	15	15	30	70	15	15	30	105
225	8	125-200	105	15	15	30	70	15	15	30	105
250	10	125-225	105	15	15	30	70	15	15	30	105
280	10	140-250	105	15	15	30	70	15	15	30	105
315	12	160-280	125	15	15	30	83	15	15	30	125
355	14	180-315	125	15	15	30	83	15	15	30	125
400 (1)	16	200-355	130	20	20	40	86	20	20	40	130
450 (1)	18	225-400	130	20	20	40	86	20	20	40	130
500 (1)	20	250-450	130	20	20	40	86	20	20	40	130
560 (1)	22	280-500	130	20	20	40	86	20	20	40	130
630 (1)	24	315-580	140	20	20	40	93	20	20	40	140
710 (1)	28	355-560	150	20	20	40	100	20	20	40	150
800 (1)	32	400-710	170	25	25	50	113	25	25	50	170
900 (1)	36	450-800	195	25	25	50	146	25	25	50	220
1000 (1)	40	500-900	195	25	25	50	146	25	25	50	220
1200 (1)	48	630-1000	220	30	30	60	146	30	30	60	220
1400 (1)	54	710-1200	250	35	35	70	166	45	45	70	250
1600 (1)	64	800-1400	300	45	45	90	183	45	45	90	275

1) Values not covered by DIN16963 standard

NOTES :

- Can be manufactured in all PN nominal pressures
- Other dimensions and configurations on request
- For the calculation of resistances, 0.8 PN must be considered



HDPE Electrofusion FITTINGS

from GOLD products

Electrofusion is most commonly used for jointing pipes up to 250mm diameter but there is no technical upper limit. It is nevertheless most commonly used for smaller diameter pipes because the cost of fittings increases with diameter. Electrofusion is equally suited to both coiled and straight pipe lengths, and can be used to joint pipes of different nominal diameters and SDR's using suitable fittings.

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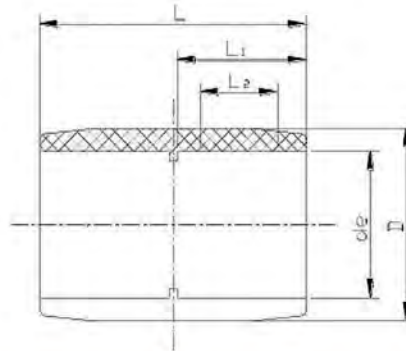
NEW GENERATION



GOLD | EF COUPLER

de	D \geq	$\geq L$	$\geq L_1$	$\geq L_2$
mm	mm	mm	mm	mm
50	65	95	45	20
63	80	110	50	20
75	95	120	55	30
90	110	135	65	35
110	140	155	75	40
140	170	170	80	40
160	200	195	95	45
200	250	220	105	50
225	270	230	110	55
250	296	240	115	65
315	373	285	135	80
355	420	290	140	90
400	473	315	150	100
450	535	320	155	100
500	595	330	160	100
560	665	340	160	140
630	710	420	200	180

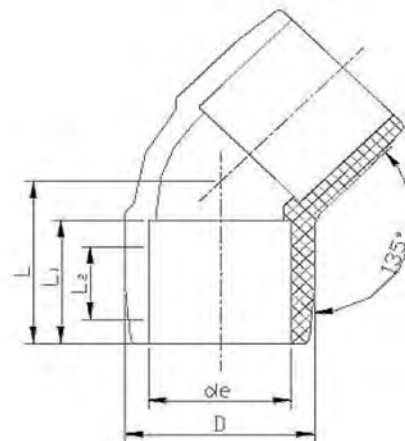
EF COUPLER



GOLD | EF ELBOW 45°

de	D \geq	$\geq L$	$\geq L_1$	$\geq L_2$
mm	mm	mm	mm	mm
50	65	82	45	20
63	80	85	50	20
75	95	85	55	30
90	110	100	65	35
110	140	113	80	40
140	170	125	80	40
160	200	150	105	45
200	250	170	120	50
225	270	175	110	55
250	292	210	115	65
315	366	235	135	80
355	420	250	140	90
400	473	275	150	100
450	535	295	150	100
500	595	310	160	100

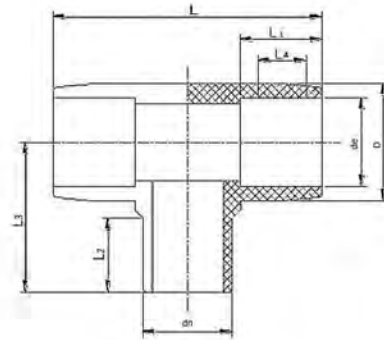
EF ELBOW 45°



GOLD | EF TEE

de	D \geq	dn	$\geq L$	$\geq L_1$	$\geq L_2$	$\geq L_3$	$\geq L_4$
mm	mm	mm	mm	mm	mm	mm	mm
50	65	50	150	45	45	90	20
63	80	63	175	50	55	105	20
75	95	75	205	55	60	120	30
90	110	90	230	65	70	140	35
110	140	110	265	75	75	160	40
140	170	140	320	80	80	180	40
160	200	160	365	95	100	215	45
200	250	200	435	105	110	250	50
225	270	225	460	110	110	255	55
250	292	250	485	125	140	285	65
315	366	315	575	140	145	350	80
355	420	355	660	140	140	375	90
400	473	400	740	150	150	425	100
450	535	450	785	155	155	460	100
500	595	500	845	160	160	490	100

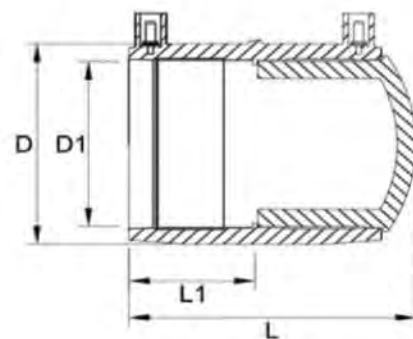
EF TEE



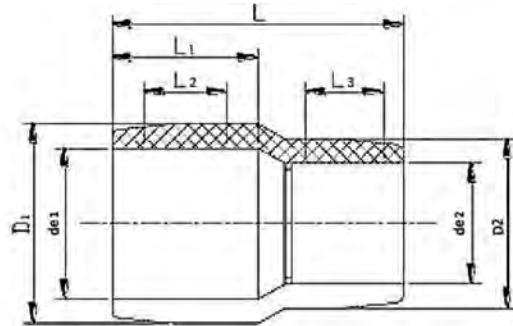
GOLD | EF END CAP

Size (mm)	L(mm)	L1 (mm)	D (mm)	D1 (mm)
20	82	37.5	29	20
25	82	37.5	33.5	25
32	84	37.5	43	32
40	97	44	51.5	40
50	101	44	61.5	50
63	115	49	77	63
75	125	61	100	75
90	133	60	110	90
110	164	70	133	110
125	175	75	151	125
140	236	89	176	140
160	202	86	195	160
180	214	91	220	180
200	215	92	243	200
225	222	109	276	225
250	220	108	301	250

EF END CAP



GOLD | EF REDUCING COUPLER



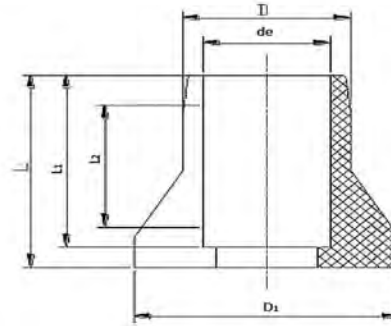
de ₁	de ₂	D ₁ ≥	D ₂ ≥	≥L	≥L ₁	≥L ₂	≥L ₃
mm	mm	mm	mm	mm	mm	mm	mm
63	50	80	65	120	50	30	20
75	50	95	65	135	55	35	25
	63		80	135	55	35	25
90	50	110	65	155	65	40	20
	63		80	155	65	40	25
	75		95	175	65	40	30
90	50	140	65	160	75	50	20
	63		80	160	75	50	25
	75		95	165	75	50	30
140	90	160	110	190	90	55	40
	110		110				40
160	90	200	110	230	75	70	35
	110		140	230	95	70	40
200	110	250	140	290	105	55	75
	160		200	250	105	60	60
225	110	260	140	260	115	50	60
	140		140				65
	160		200				70
	200		250				80
250	110	296	140	280	120	50	60
	140		160				65
	160		200				70
	200		250				80
	225		260				85
315	110	373	140	310	140	70	70
	140		160				70
	160		200				70
	200		250				75
	225		260				75
	250		296				80

de ₁	de ₂	D ₁ ≥	D ₂ ≥	≥L	≥L ₁	≥L ₂	≥L ₃
mm	mm	mm	mm	mm	mm	mm	mm
355	110	420	140	330	150	80	70
	140		160				70
	160		200				70
	200		250				75
	225		260				75
	250		296				80
400	110	468	140	340	160	85	70
	140		160				70
	160		200				70
	200		250				75
	225		260				75
	250		296				80
450	110	535	140	360	170	90	70
	140		160				70
	160		200				70
	200		250				75
	225		260				75
	250		296				80
500	110	590	140	350	180	100	70
	140		160				70
	160		200				70
	200		250				75
	225		260				75
	250		296				80
	315		373				90
	355		420				95
	400		473				100
	450		535				110

GOLD | EF STUB END

de	D ₂ ≥	D ₁ ≥	≥L	≥L ₁	≥L ₂
mm	mm	mm	mm	mm	mm
50	65	90	115	115	40
63	80	105	120	110	40
75	95	125	130	125	70
90	110	140	145	140	70
110	140	160	150	140	75
140	165	190	155	145	80
160	190	215	160	150	85
200	235	270	180	165	95
225	255	315	175	160	60
250	280	325	130	110	60
315	350	380	135	115	60
355	380	450	170	155	60
400	435	495	160	140	65
450	480	560	190	180	100
500	540	580	230	210	120
560	610	650	240	220	130
630	680	750	270	250	150

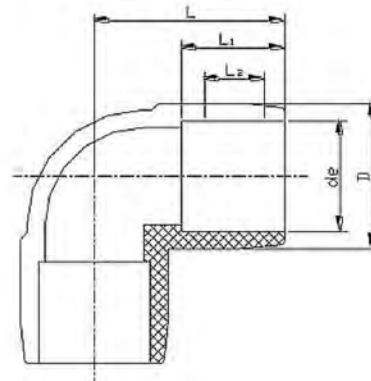
EF STUB END



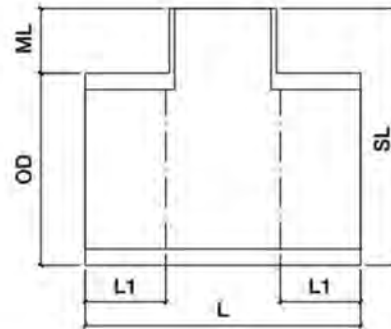
GOLD | EF ELBOW 90°

de	D ₂ ≥	≥L	≥L ₁	≥L ₂
mm	mm	mm	mm	mm
50	65	85	45	20
63	80	85	50	20
75	95	100	55	30
90	110	120	65	35
110	140	145	75	40
140	170	170	80	40
160	200	190	95	45
200	250	225	105	50
225	270	250	110	55
250	296	245	115	65
315	373	285	135	80
355	420	355	140	90
400	473	385	150	100
450	535	425	155	100
500	665	455	160	100

EF ELBOW 90°



GOLD | EF REDUCING TEE



Size (mm)	OD (mm)	L1 (mm)	L(mm)	ML (mm)	SL (mm)
32*20	44.0	47.6	116.0	58.0	102.0
32*25	44.0	48.2	122.0	59.0	103.0
40*20	57.0	50.0	120.0	58.0	115.0
40*25	57.0	50.0	125.0	59.0	175.0
40*32	57.0	49.0	129.0	77.0	134.0
50*20	67.0	55.0	135.0	58.0	125.0
50*25	67.0	55.0	135.0	59.0	126.0
50*32	67.0	55.0	142.2	77.0	144.0
50*40	67.0	55.0	149.0	73.0	140.0
63*20	82.0	63.0	154.0	58.0	140.0
63*25	82.0	63.0	159.8	59.0	141.0
63*32	82.0	63.0	165.5	77.0	159.0
63*40	82.0	63.0	172.5	73.0	155.0
63*50	82.0	87.5	175.0	55.0	137.0
75*40	98.0	70.0	186.3	73.0	171.0
75*50	98.0	79.0	209.5	69.0	167.0
75*63	98.0	100.0	200.0	63.0	161.0
90*40	117.0	79.0	230.0	73.0	190.0
90*50	117.0	82.0	218.0	69.0	186.0
90*63	117.0	112.5	225.0	63.0	180.0
90*75	117.0	112.5	225.0	70.0	187.0
110*50	142.0	82.0	250.0	69.0	211.0
110*63	142.0	124.0	248.0	63.0	205.0
110*75	142.0	124.0	248.0	70.0	215.0
110*90	142.0	124.0	248.0	79.0	221.0
125*63	160.0	135.0	270.0	63.0	223.0
125*75	160.0	135.0	270.0	70.0	230.0

Size (mm)	OD (mm)	L1 (mm)	L(mm)	ML (mm)	SL (mm)
125*90	160.0	135.0	270.0	79.0	239.0
125*110	160.0	135.0	270.0	82.0	242.0
160*50	193.0	98.0	249.0	69.0	232.0
160*63	195.0	155.0	310.0	63.0	232.0
160*75	195.0	155.0	310.0	70.0	258.0
160*90	195.0	155.0	310.0	79.0	265.0
160*110	195.0	155.0	310.0	82.0	274.0
160*125	195.0	155.0	310.0	87.0	277.0
180*160	216.0	105.0	352.0	98.0	287.0
200*50	240.5	112.0	308.0	69.0	314.0
200*63	240.5	112.0	308.0	63.0	309.0
200*75	240.5	112.0	308.0	70.0	303.0
200*90	240.5	112.0	308.0	79.0	310.0
200*110	240.5	112.0	365.0	82.0	319.0
200*160	240.5	112.0	365.0	98.0	322.0
250*50	240.5	112.0	338.0	69.0	338.0
250*63	296.0	129.0	338.0	63.0	365.0
250*75	296.0	129.0	338.0	70.0	356.0
250*90	296.0	129.0	338.0	79.0	366.0
250*110	296.0	129.0	338.0	82.0	375.0
250*160	296.0	129.0	430.0	98.0	378.0
250*200	296.0	129.0	430.0	128.0	394.0
315*90	380.0	150.0	440.0	79.0	459.0
315*110	380.0	150.0	440.0	82.0	462.0
315*160	380.0	150.0	440.0	98.0	478.0
315*200	380.0	150.0	514.0	128.0	508.0
315*250	380.0	150.0	514.0	154.0	534.0

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Electrofusion fittings system is specially designed for reliable, high performance jointing and long service life for polyethylene piping systems. Our automated jointing system has been proven to be the most economical as it eliminates the potential for operator error.

We offer quality tools and micro processor electrofusion machines, which when combined with our fittings offer state-of-the-art high performance pipe jointing solutions. Our intelligent electrofusion machine is able to ensure quality control by data retrieval of measurements and records. All the fittings are produced in accordance with the standards BS EN 12201-3 electrofusion HDPE fittings assure you of a minimum 50 years life span for your potable water needs.

Our fittings comply to BS EN 12201-3 and are PN16 rated. The Electrofusion Fittings system comes in sizes from 20mm to 315mm or more large diameter and is manufactured using PE100 materials.

The benefits of the Gold HDPE potable water system over other systems are low installation cost, non toxicity, corrosion resistance, high flow capacity and long life span. Material wise, HDPE has superior properties compared to other plastic material in relation to water hammer problems.

Features

- Material: PE 100
- Size: 20mm to 315mm
- Pressure Rating: PN 16 bar / SDR11
- Standard: BS EN 12201-3:2003
- Color: Black
- Joint: electrofusion joint

Advantages

- Non-toxic: no heavy metal additives, would not to be covered with dirt or contaminated by bacterium.
- Corrosion Resistance: resist chemical matters and electron chemical corrosion
- Low Installation Costs: light weight and ease of installation can reduce installation costs
- High Flow Capacity: smooth interior walls result in low pressure loss and high volume
- Longevity: more than 50 years under proper use

Installations

Step: (Use Electrofusion Welding Machine)

1 Clean and mark

Clean up the connection part, mark the inserting depth



2 Scrape

Scrape and polish the joint surface.



3

Align and restrain the fittings to the pipes



5

Cool

Cool without movement or pressure



4

Apply electric current

Apply the electric current to the the fittings; the joining parts will be heated and melted, turn off the current when there is melt flowing in the observation hole.



Gold
Fittings



Note: While connecting, the heating voltage and time should comply with manufacture's technical stipulations of Electrofusion Welding Machine and Electrofusion Fittings.

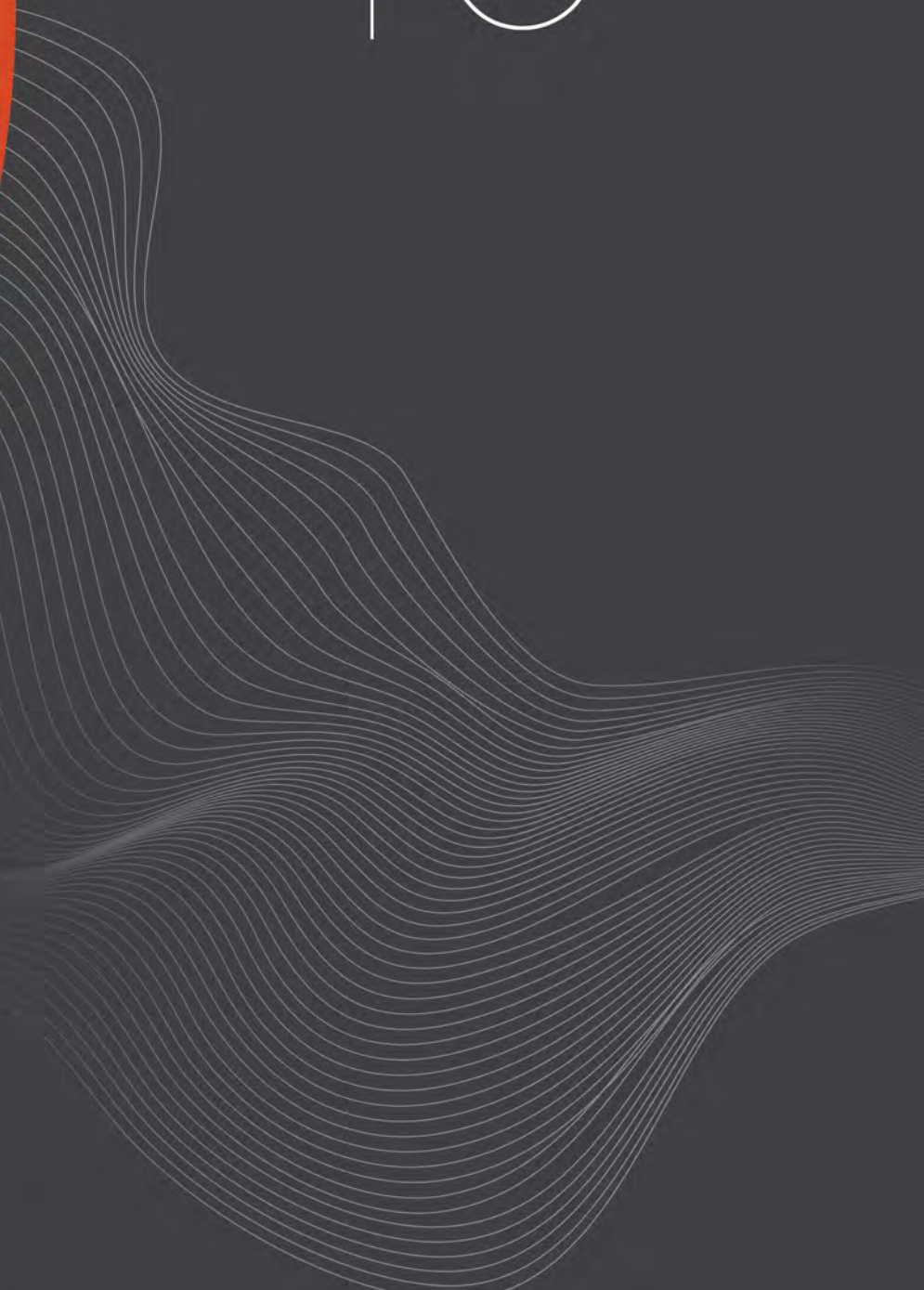
Electrofusion Welding Machine



We provide the fully automatic electric fusion welding machine, cuttings tools and manual scraper, Scanner for barcode reading, data transfer software for welding machine together with our electrofusion fittings. The electrofusion welding machine could be used for HDPE EF fittings and PPR EF fittings to meet different clients' demands. All the fittings could be regular type and bar code type for water supply and gas transmission.



**QUALITY
PERFORMANCE
NEW GENERATION**



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a new
generation with
ADVANCED
technology



GOLD Fittings Co. LTD. . ISO 4427, EN12201, AS/NZS 4129 PE Fittings, 1504437 standards etc.



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