



# TKP - FIT

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Fittings : Product Catalogue



Company Certified by:  
 PLASTICS PIPE INSTITUTE®



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# 1.- SEGMENTED FITTINGS

TKP-FIT consists of HDPE pipe PE-4710 / PE-100 manufactured with the highest quality resins available in the market, using the most modern manufacturing technology and the most advanced and reliable extrusion lines.

- **TR4 from the Plastic Pipe Institute:**  PLASTICS PIPE INSTITUTE<sup>®</sup>

The advanced technology for the manufacture of pipes is certified by the Plastic Pipe Institute as PE-4710 / PE 100 in its technical report 4 (TR 4)

- **CNCP:**

National certification under the National Water Commission (CNA) and the Center for Standardization and Certification of Products A.C. (CNCP).

- **Computerized control of the merger process:**

TKP uses manufacturing tables with the most modern technology, which have a system with the most advanced computerized controls of the variables of temperature, pressure and fusion times

**Components included in the section:**

SECTION	DESCRIPTION	LONG RADIUS	SHORT RADIUS	DR	EDR	SDR
1.1	ELBOW OF 22.5°		✓	11,17,26	✓	✓
1.2,1.3	ELBOW OF 45°	✓	✓	11,17,26	✓	✓
1.4,1.5	ELBOW OF 90°	✓	✓	11,17,26	✓	✓
1.6	WYES 45°	NA	NA	11,17,26	✓	✓
1.7	TEES	NA	NA	11,17,26	✓	✓
1.8	BRANCH SADDLES	NA	NA	11	✓	✓
1.9	MANUFACTURED REDUCTIONS	NA	NA	11,17	✓	✓

**The RD's that are not included, can be requested separately**

If you need a special part that is not in this catalog, please contact our sales representative at [info@fimextkp.com](mailto:info@fimextkp.com).

Some special pieces, such as crosses, manifolds, etc. Please contact the TKP representative with a sketch or drawing of the piece.

- **EDR fittings system:**

The pieces in the EDR system are manufactured in a different DR with a greater wall thickness, and the tips are rectified so that the tube, which is of thinner DR can be hot-melted efficiently, leaving only the body of the piece protected for a better resistance to pressure performance.

EDR parts are offered from 8 ", 10", 12 "and 16" IPS, DR 7. DR 5 parts are offered in 8 ", 10", 12 "and 16" IPS, only in SDR system.

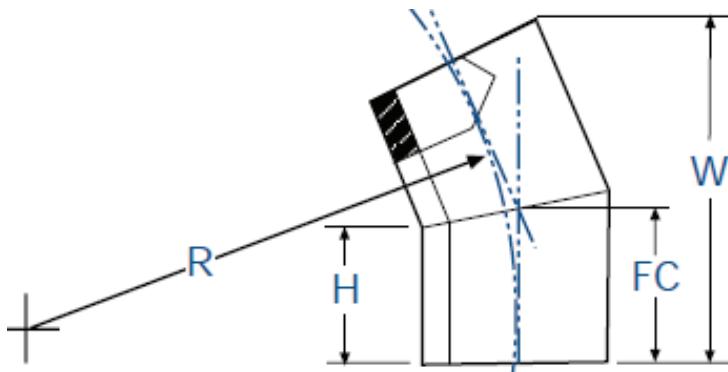
- **SDR fittings system:**

In this system, the tube and the fittings are made in the same DR and therefore have the same thickness.

**OUR EQUIPMENT HAS REGISTRATION  
OF DATA LOGGER TO ISSUE CERTIFICATES OF  
QUALITY IN ITS PIPELINES ACCORDING TO THE PPI**



# ELBOW 22.5° - Short Radius



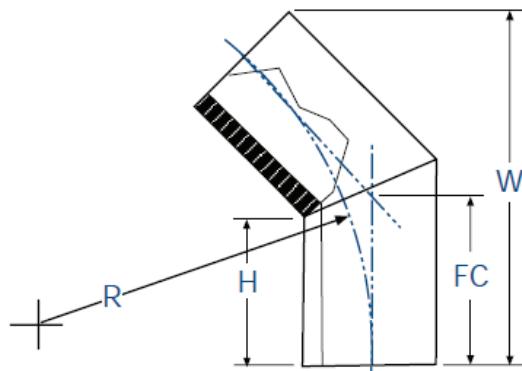
SIZE	EXTERNAL DIAMETER	DIMENSIONS			
		R	H	FC	W
8	8.625	15	6.5	7.625	12.62
10	10.75	17.25	6.5	7.625	16.62
12	12.75	19.5	8	9.25	20.27
14	14	21	8	9.375	20.75
16	16	24	8	9.625	21.51
18	18	27	8	9.75	22.28
20	20	30	8	10	23.04
22	22	33	8	10.25	23.81
24	24	36	8	10.375	24.58
28	28	42	14	16.75	37.65
30	30	45	14	17	38.41
36	36	54	14	17.625	40.71
40	40	63	21	25.125	56.47
42	42	63	21	25.125	56.47
48	48	72	21	25.75	58.77

**Note 1:** the wall thickness of the connection, according to the DR of the tube of which it is formed, can be consulted in Annexes I and II.

**Note 2:** The elbows are available in 8" - 24" in DR 7, 8 "- 30" in DR 9, 8" - 36" in DR 11, 17, 26, of 8" - 48" in DR 17 and 26. The DR 5 fittings are only offered in the SDR system

Other DR's or diameters, please consult your sales representative.

# ELBOW 45° - Short Radius



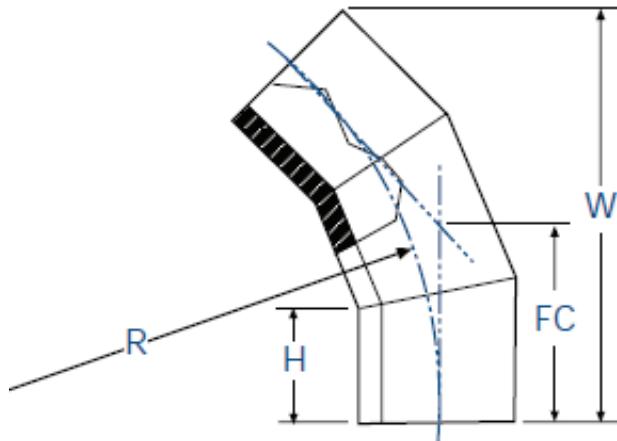
SIZE	EXTERNAL DIAMETER	DIMENSIONS			
		R	H	FC	W
8	8.625	12	6.5	7.625	16
10	10.75	12.63	6.5	8.73	18.7
12	12.75	13.63	8.5	11.14	23.53
14	14	14.25	8.5	11.4	24.41
16	16	15.25	8.5	11.81	25.82
18	18	16.25	8.5	12.23	27.24
20	20	17.25	8.5	12.64	28.65
22	22	23.1	8.5	13.05	30
24	24	24.1	8.5	13.5	31.5
28	28	28.5	10	15.8	36.875
30	30	30.5	10	16.2	38.31
36	36	43	10	17.5	42.5
40	40	50	16	24.7	57
42	42	50	16	24.7	57
48	48	58	16	25.9	61.25

Note 1: the wall thickness of the connection, according to the DR of the tube of which it is formed, can be consulted in Annexes I and II.

Note 2: The elbows are available in 8" - 24" in DR 7, 8 "- 30" in DR 9, 8" - 36" in DR 11,17, 26, of 8" - 48" in DR 17 and 26. The DR 5 fittings are only offered in the SDR system

Other DR's or diameters, please consult your sales representative.

# ELBOW 45° - Long Radius



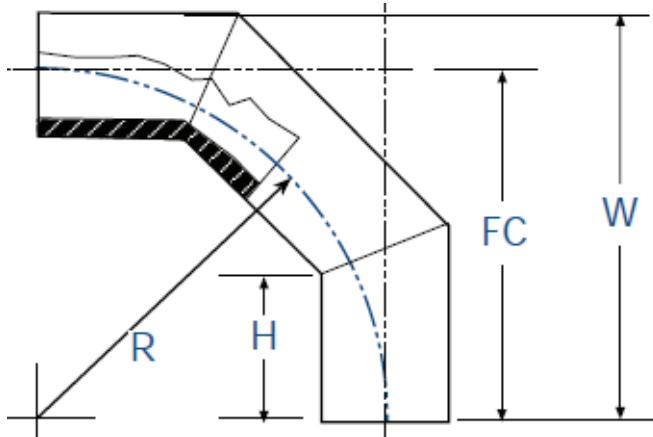
SIZE	EXTERNAL DIAMETER	DIMENSIONS			
		R	H	FC	W
8	8.625	15	6.5	11.25	20
10	10.75	17.25	6.5	11.25	23.09
12	12.75	26.5	8	15	30.06
14	14	21	8	13.875	28.64
16	16	24	8	14.75	30.74
18	18	27	8	15.625	33.08
20	20	30	8	16.5	35.19
22	22	33	8	17.25	37.3
24	24	36	8	18.25	39.4
26	26	39	14	25	51.84
28	28	42	14	25.88	54.09
30	30	45	14	26.625	56.2
32	32	48	14	27.5	58.31
36	36	54	14	29.22	62.52
42	42	63	21	38.75	81.02
48	48	72	21	41.25	87.37

Note 1: the wall thickness of the connection, according to the DR of the tube of which it is formed, can be consulted in Annexes I and II

Note 2: The elbows are available in 8" - 24" in DR 7, 8 "- 30" in DR 9, 8" - 36" in DR 11, 17, 26, of 8" - 48" in DR 17 and 26. The DR 5 fittings are only offered in the SDR system

Other DR's or diameters, please consult your sales representative.

# ELBOW 90° - Short Radius



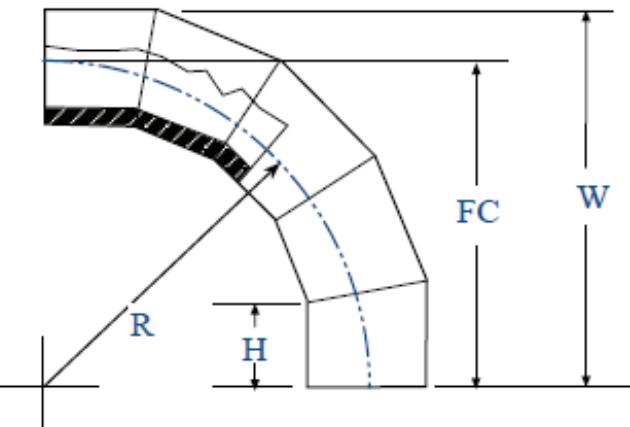
SIZE	EXTERNAL DIAMETER	DIMENSIONS			
		R	H	FC	W
8	8.625	11.63	6.5	11.25	19
10	10.75	12.63	6.5	16.13	21.5
12	12.75	13.63	8.5	19.12	25.5
14	14	14.25	8.5	19.75	26.75
16	16	15.25	8.5	20.75	28.75
18	18	16.25	8.5	21.75	30.75
20	20	17.25	8.5	22.75	32.75
22	22	23.07	8.5	26.57	37.57
24	24	24.07	8.5	27.57	39.57
28	28	28.5	10	32.5	46.5
30	30	30.5	10	34.1	49.1
36	36	43	10	42.6	60.6
40	40	50	16	54	75
42	42	50	16	54	75
48	48	58	16	59.9	83.9

Note 1: the wall thickness of the connection, according to the DR of the tube of which it is formed, can be consulted in Annexes I and II.

Note 2: The elbows are available in 8" - 24" in DR 7, 8 "- 30" in DR 9, 8" - 36" in DR 11,17, 26, of 8" - 48" in DR 17 and 26. The DR 5 fittings are only offered in the SDR system

Other DR's or diameters, please consult your sales representative.

# ELBOW 90° - Long Radius



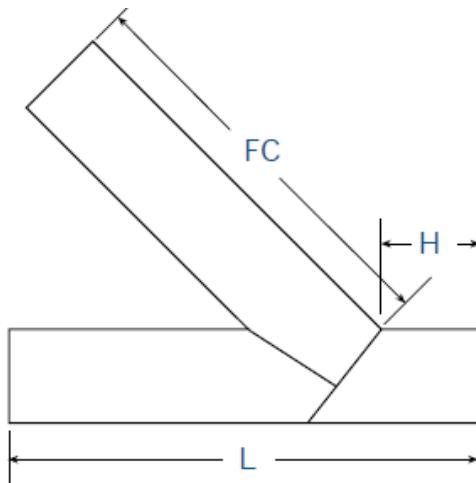
SIZE	EXTERNAL DIAMETER	DIMENSIONS IN INCHES			
		R	H	FC	W
8	8.625	15	6.5	21.375	24.5
10	10.75	17.25	6.5	21.375	26.75
12	12.75	19.5	8	24.875	31.25
14	14	21	8	26.25	33.25
16	16	24	8	28.875	36.88
18	18	27	8	31.375	40.38
20	20	30	8	34	44
22	22	33	8	36.625	47.63
24	24	36	8	39.25	51.25
28	28	42	14	50.375	64.38
30	30	45	14	53	68
36	36	54	14	60.875	78.88
40	40	63	21	75	95.6
42	42	63	21	75.025	96.63
48	48	72	21	83.5	107.5

Note 1: the wall thickness of the connection, according to the DR of the tube of which it is formed, can be consulted in Annexes I and II.

Note 2: The elbows are available in 8" - 24" in DR 7, 8 "- 30" in DR 9, 8" - 36" in DR 11,17, 26, of 8" - 48" in DR 17 and 26. The DR 5 fittings are only offered in the SDR system

Other DR's or diameters, please consult your sales representative.

# WYES 45°



SIZE	EXTERNAL DIMENSION	DIMENSIONS		
		L	H	FC
6	6.625	71.2	20	51.2
8	8.625	71.2	20	51.2
10	10.75	71.2	20	51.2
12	12.75	71.2	20	51.2
14	14	73.2	20	53.15
16	16	73.2	20	53.15
18	18	73.2	20	53.15
20	20	75.1	20	55.12
22	22	75.1	20	55.12
24	24	75.1	20	55.12

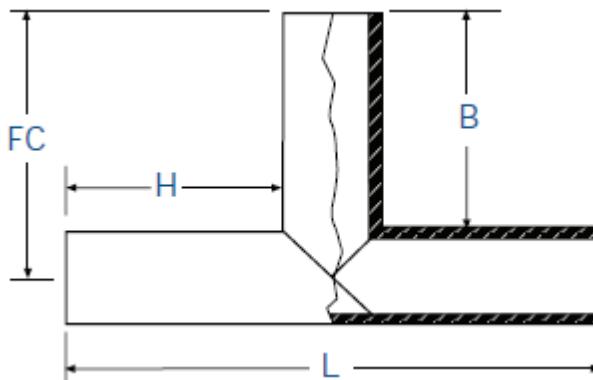
Note 1: the wall thickness of the connection, according to the DR of the tube of which it is formed, can be consulted in Annexes I and II.

Note 2: The YEE are available in 6 "- 24" in DR 7,9,11,17, 26. The DR 5 fittings are only offered in the SDR system

Other DR's or diameters, please consult your sales representative. Other DR's or diameters, please consult your sales representative.

# TEES

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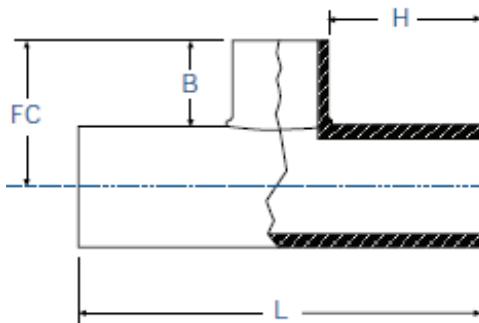


SIZE	EXTERNAL DIAMETER	DIMENSIONS			
		L	H	FC	B
6	6.625	45	19.69	24	19.69
8	8.625	48	19.69	24	19.69
10	10.75	48	18.63	24	18.63
12	12.75	48	17.63	24	17.63
14	14	48	17	24	17
16	16	48	16	24	16
18	18	48	15	24	15
20	20	48	14	24	14
22	22	48	13	24	13
24	24	48	12	24	14
28	28	136	54	68	54
30	30	142	56	71	56
36	36	156	60	77	59
40	40	164	62	80	59
42	42	166	62	80	59
48	48	176	64	83	59

Note 1: the wall thickness of the connection, according to the DR of the of which it is formed, can be consulted in Annexes I and II.

Note 2: The elbows are available in 8" - 24" in DR 7, 8 "- 30" in DR 9, 8" - 36" in DR 11,17, 26, of 8" - 48" in DR 17 and 26. The DR 5 fittings are only offered in the SDR system  
Other DR's or diameters, please consult your sales representative.

# BRANCH SADDLES

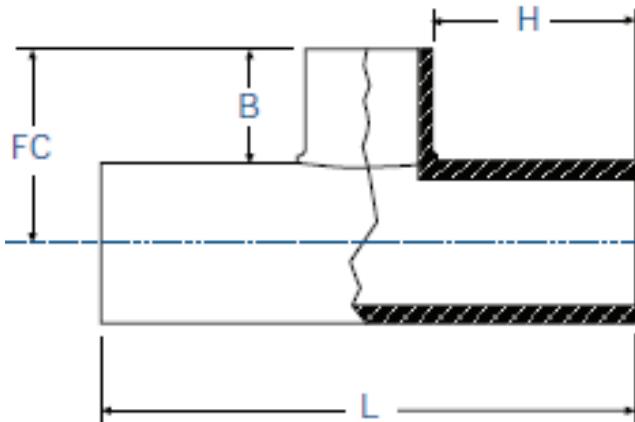


SIZE	EXTERIOR	L	H	FC	B
8 x 4	8.625 x 4.5	24	9	10.25	5.938
10 x 3	10.75 x 3.5	24	9.5	9.625	4.25
10 x 4	10.75 x 4.5	24	9	11.375	6
10 x 6	10.75X6.625	28	9.8125	13.375	8
12 X 3	12.75 X 3.5	24	9.5	10.625	4.25
12 X 4	12.75 X 4.5	24	9	12.375	6
12 X 6	12.75 X 6.625	28	9.8125	14.375	8
12 X 8	12.75 X 8.625	30	9.875	14.625	8.25
12 X 10	12.75 X 10.75	30	8.75	12.875	6.5
14 X 3	14 X 3.5	24	9.5	11.25	4.25
14 X 4	14 X 4.5	24	9	13	6
14 X 6	14 X 6.625	28	9.813	15	8
14 X 8	14 X 8.625	30	9.875	15.25	8.25
14 X 10	14 X 10.75	30	8.75	13.5	6.25
14 X 12	14 X 12.75	30	8.75	13.5	6.25
16 X 3	16 X 3.5	24	9.5	12.25	4.25
16 X 4	16 X 4.5	24	9	14	6
16 X 6	16 X 6.625	28	9.813	16	8
16 X 8	16 X 8.625	30	9.875	16.25	8.25
16 X 10	16 X 10.75	30	8.75	14.5	6.5
16 X 12	16 X 12.75	32	8.6	16.5	8.5
16 X 14	16 X 14	32	8.6	16.5	8.5
18 X 3	18 X 3.5	24	9.5	13.25	4.25
18 X 4	18 X 4.5	24	9	15	6
18 X 6	18 X 6.625	28	9.813	17	8

Note 1: the wall thickness of the connection, according to the DR of the tube of which it is formed, can be consulted in Annexes I and II.

Note 2: The branch saddles are available in DR 5 for 8 ", 10", 12 "and 18" IPS; of 8"- 24" in RD 7 of 8"- 30" in DR 9, and of 8" - 36" in DR 11, the DR 5 fittings are only offered in SDR system. Other DR's or diameters, please consult your sales representative.

# BRANCH SADDLES

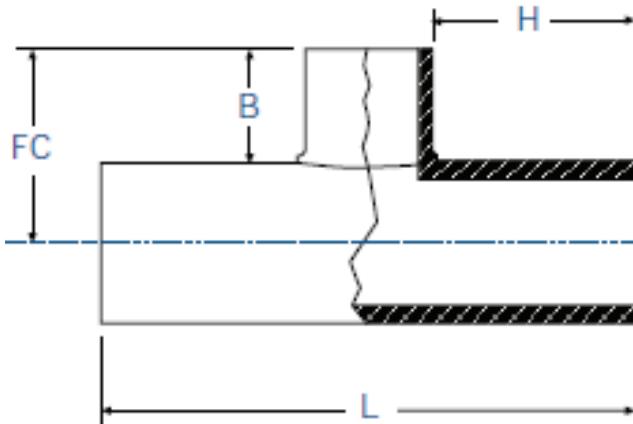


SIZE	EXTERNAL DIAMETER	DIMENSIONS			
		L	H	FC	B
18 X 8	18 X 8.625	30	9.875	17.25	8.25
18 X 10	18 X 10.75	30	8.75	15.5	6.5
18 X 12	18 X 12.75	32	8.6	17.5	8.5
18 X 14	18 X 14	32	8.6	17.5	8.5
18 X 16	18 x 16	36	8.5	25	15
20 X 3	20 X 3.5	28	9.81	15.125	5.125
20 X 4	20 X 4.5	28	9.81	15.125	5.125
20 X 6	20 X 6.625	28	9.81	15.125	5.125
20 X 8	20 X 8.625	30	9.88	17	7
20 X 10	20 X 10.75	30	8.75	16.5	6.5
20 X 12	20 X 12.75	32	8.6	17.5	7.5
20 X 14	20 X 14	32	8.6	17.5	7.5
24 X 3	24 X 3.5	28	9.81	17.125	5.125
24 X 4	24 X 4.5	28	9.81	17.125	5.125
24 X 6	24 X 6.625	28	9.81	17.125	5.125
24 X 8	24 X 8.625	30	9.88	19	7
24 X 10	24 X 10.75	30	8.75	18.5	6.5
24 X 12	24 X 12.75	32	8.6	19.5	7.5

Note 1: the wall thickness of the connection, according to DR of the tube from which it is formed, can be consulted in Annexes I and II

Note 2: The branch saddles are available in DR 5 for 8 ", 10", 12 "and 18" IPS; of 8"- 24" in RD 7 of 8"- 30" in DR 9, and of 8" - 36" in DR 11, the DR 5 fittings are only offered in SDR system. Other DR's or diameters, please consult your sales representative.

# BRANCH SADDLES

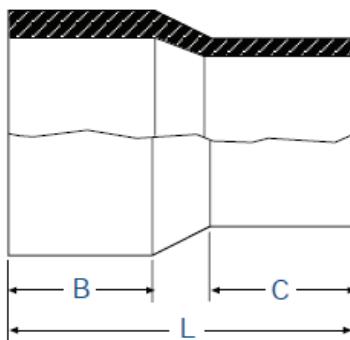


SIZE	EXTERNAL DIAMETER	DIMENSIONS			
		L	H	FC	B
30 X 3	30 X 3.5	48	19.81	20.125	5.125
30 X 4	30 X 4.5	48	19.81	20.125	5.125
30 X 6	30 X 6.625	48	19.81	20.125	5.125
30 X 8	30 X 8.625	48	18.88	22	7
30 X 10	30 X 10.75	48	17.75	21.5	6.5
30 X 12	30 X 12.75	48	16.6	22.5	7.5
30 X 14	30 X 14	48	14.5	30	15
36 X 3	36 X 3.5	48	19.813	23.125	5.125
36 X 4	36 X 4.5	48	19.813	23.125	5.125
36 X 6	36 X 6.625	48	19.813	23.125	5.125
36 X 8	36 X 8.625	48	16.6	25.5	7.5
36 X 10	36 X 10.75	48	16.6	28.5	7.5
36 X 12	42 X 12.75	48	16.6	28.5	7.5
36 X 14	36 X 14	48	16.6	25.5	7.5

Note 1: the wall thickness of the connection, according to DR of the tube from which it is formed, can be consulted in Annexes I and II

Note 2: The branch saddles are available in DR 5 for 8", 10", 12 "and 18" IPS; of 8"- 24" in RD 7 of 8"- 30" in DR 9, and of 8" - 36" in DR 11, the DR 5 fittings are only offered in SDR system. Other DR's or diameters, please consult your sales representative.

# CONCENTRIC REDUCTION

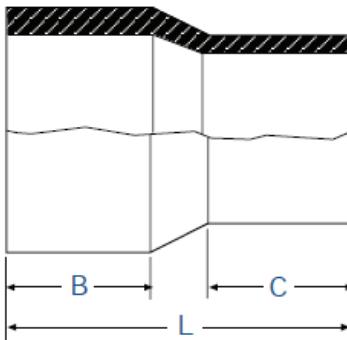


SIZE	EXTERNAL DIAMETER	DIMENSIONS		
		L	B	C
48" x 42"	48" x 42"	36	16.5	16.5
42" x 40"	42" x 40"	36	16.5	16.5
40" x 36"	40" x 36"	23	10	10
36" x 34"	36" x 34"	19	8	8
36" x 32"	36" x 32"	19	8	8
36" x 30"	36" x 30"	19	8	8
36" x 28"	36" x 28"	19	8	8
36" x 26"	36" x 26"	19	8	8
36" x 24"	36" x 24"	19	8	8
36" x 20"	36" x 20"	19	8	8
36" x 18"	36" x 18"	19	8	8
34" x 32"	34" x 32"	19	8	8
34" x 30"	34" x 30"	19	8	8
34" x 28"	34" x 28"	19	8	8
34" x 26"	34" x 26"	19	8	8
34" x 24"	34" x 24"	19	8	8
34" x 20"	34" x 20"	19	8	8
34" x 18"	34" x 18"	19	8	8
32" x 30"	32" x 30"	19	8	8
32" x 28"	32" x 28"	19	8	8
32" x 26"	32" x 26"	19	8	8

Nota 1: el espesor de pared de la conexión , de acuerdo al RD del tubo del que esta formado, se puede consultar en los Anexos I y II

Note 2: The reductions are available from 8 "-24" in DR 7, 8 "-30" in DR 9, from 8"-48" in DR 11 except reductions of 48 "x 42", 42 "x 40" and 40 "x 36" that are available in DR 17; other DR's or diameters, please consult your sales representative.

# CONCENTRIC REDUCTION

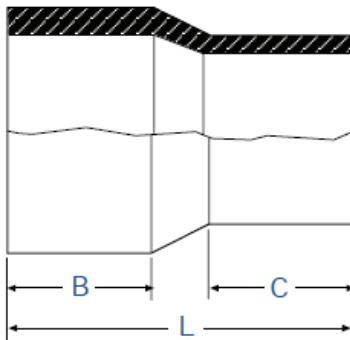


SIZE	EXTERNAL DIAMETER	DIMENSIONS		
		L	B	C
32" x 24"	32" x 24"	19	8	8
32" x 20"	32" x 20"	19	8	8
32" x 18"	32" x 18"	19	8	8
32" x 16"	32" x 16"	19	8	8
30" x 28"	30" x 28"	19	8	8
30" x 26"	30" x 26"	19	8	8
30" x 24"	30" x 24"	19	8	8
30" x 20"	30" x 20"	19	8	8
30" x 18"	30" x 18"	19	8	8
30" x 16"	30" x 16"	19	8	8
28" x 24"	28" x 24"	19	8	8
28" x 20"	28" x 20"	19	8	8
28" x 18"	28" x 18"	19	8	8
28" x 16"	28" x 16"	19	8	8
28" x 14"	28" x 14"	19	8	8
28" x 12"	28" x 12.75"	19	8	8
24" x 20"	24" x 20"	19	8	8
24" x 18"	24" x 18"	19	8	8
24" x 16"	24" x 16"	19	8	8
24" x 14"	24" x 14"	19	8	8
24" x 12"	24" x 12.75"	19	8	8

Nota 1: el espesor de pared de la conexión , de acuerdo al RD del tubo del que esta formado, se puede consultar en los Anexos I y II

Note 2: The reductions are available from 8 "-24" in DR 7, 8 "-30" in DR 9, from 8"-48" in DR 11 except reductions of 48 "x 42", 42 "x 40" and 40 "x 36" that are available in DR 17; other DR's or diameters, please consult your sales representative.

# CONCENTRIC REDUCTION



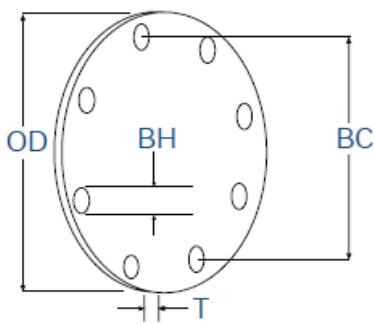
SIZE	EXTERNAL DIAMETER	DIMENSIONS		
		L	B	C
24" x 10"	24" x 10.75"	19	8	8
24" x 8"	24" x 8.625"	19	8	8
20" x 18"	20" x 18"	19	8	8
20" x 16"	20" x 16"	19	8	8
20" x 14"	20" x 14"	19	8	8
20" x 12"	20" x 12.75"	19	8	8
20" x 10"	20" x 10.75"	19	8	8
20" x 8"	20" x 8.625"	19	8	8
18" x 16"	18" x 16"	19	8	8
18" x 14"	18" x 14"	19	8	8
18" x 12"	18" x 12.75"	19	8	8
18" x 10"	18" x 10.75"	19	8	8
18" x 8"	16" x 8.625"	19	8	8
16" x 14"	16" x 14"	19	8	8
16" x 12"	16" x 12.75"	19	8	8
16" x 10"	16" x 10.75"	19	8	8
16" x 8"	16" x 8.625"	19	8	8
14" x 12"	14" x 12.75"	19	8	8
14" x 10"	14" x 10.75"	19	8	8
14" x 8"	14" x 8.625"	19	8	8

Nota 1: el espesor de pared de la conexión , de acuerdo al RD del tubo del que esta formado, se puede consultar en los Anexos I y II

Note 2: The reductions are available from 8 "-24" in DR 7, 8 "-30" in DR 9, from 8"-48" in DR 11 except reductions of 48 "x 42", 42 "x 40" and 40 "x 36" that are available in DR 17; other DR's or diameters, please consult your sales representative.

# SPECIAL PIECES

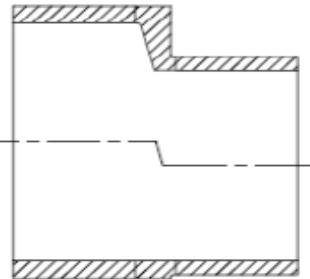
## BLIND FLANGES



SIZE	OD	BH	BC
8"	13.5	0.875	11.75
10"	16	1	14.25
12"	19	1	17
14"	21	1.125	18.75
16"	23.5	1.125	21.25
18"	25	1.25	22.75
20"	27.5	1.25	25
22"	29.5	1.375	27.25
24"	32	1.375	29.5
28"	36.5	1.375	34
30"	38.75	1.625	36
32"	41.75	1.625	38.5
36"	46	1.625	42.75
42"	53	1.625	49.5
48"	59.5	1.625	56

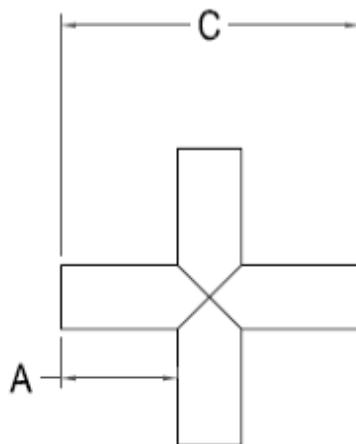
Blind flanges from 8 " to 48" are offered in different thicknesses (t) for DR 11 (160 psi), DR 17 (100 psi) upon request. other diameters or DR's, please consult your TKP sales representative.

## ECCENTRIC REDUCTIONS



Eccentric reductions are available upon request. Please consult your TKP sales representative.

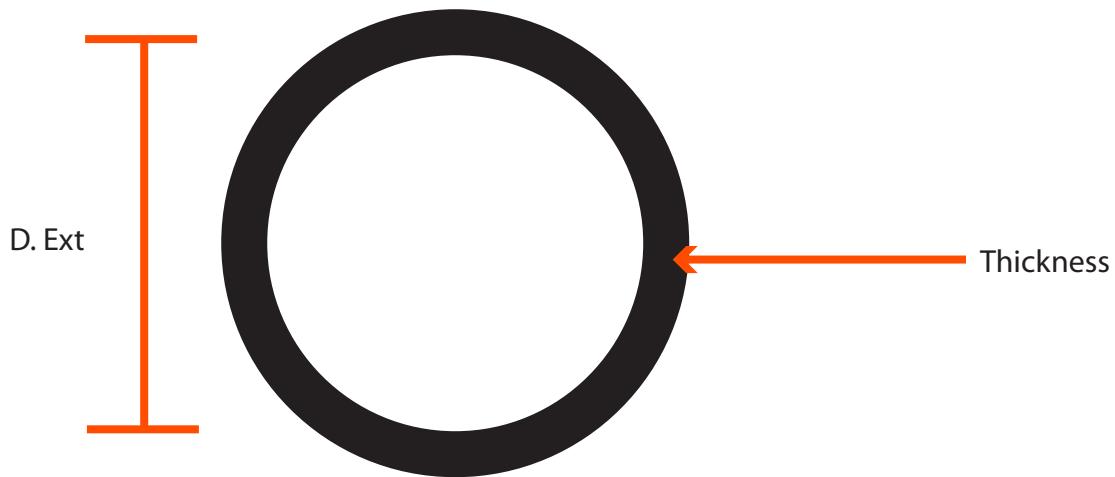
## CROSS



DIAM. IPS	A	C
8"	7.75	24.188
10"	6.5	23.75
12"	8	27.75
14"	8	30
16"	8	32
18"	14	46
20"	14	48
22"	14	50
24"	14	52
28"	14	56
30"	14	58
32"	14	60
36"	20	76

Cross are available upon request from 8 "-28" in DR 9, 8 "- 36" in DR 11.17, please consult your sales representative.

# Appendix I: TKP IPS pipe

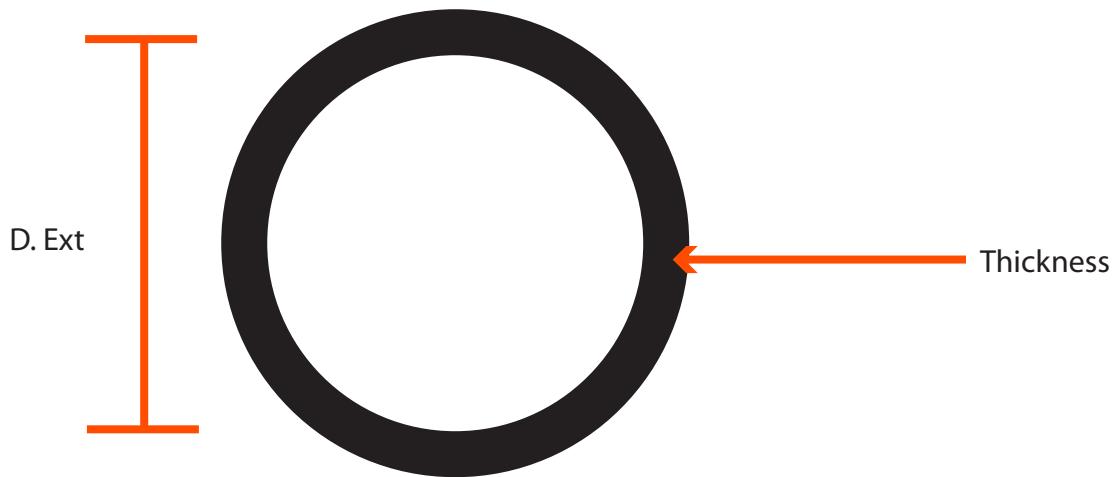


Nominal Diameter	D. Ext. Inch	Tol. (+/-)	RD 5 Thickness inch	RD 7 Thickness inch	RD7.3 Thickness inch	RD9 Thickness inch	RD11 Thickness inch	RD13.5 Thickness inch
3"	3.500	0.008		0.500	0.480	0.390	0.319	0.260
4"	4.500	0.020		0.642	0.618	0.500	0.409	0.335
6"	6.625	0.031		0.945	0.909	0.736	0.602	0.492
8"	8.625	0.039	1.725	1.232	1.181	0.957	0.783	0.638
10"	10.752	0.047	2.150	1.535	1.472	1.193	0.976	0.795
12"	12.748	0.055	2.550	1.823	1.748	1.417	1.157	0.945
14"	14.000	0.063		2.000	1.917	1.555	1.272	1.035
16"	16.000	0.071	3.200	2.287	2.197	1.780	1.457	1.185
18"	18.000	0.083		2.571	2.465	2.000	1.638	1.335
20"	20.000	0.091		2.858	2.744	2.220	1.819	1.480
22"	22.000	0.098		3.142	3.016	2.445	2.000	1.630
24"	24.000	0.106		3.429	3.287	2.665	2.181	1.780
26"	26.000	0.118				2.890	2.362	1.925
28"	28.000	0.126				3.110	2.543	2.075
30"	30.000	0.134				3.335	2.728	2.220
32"	32.000	0.146				3.555	2.909	2.370
34"	34.000	0.154					3.091	2.520
36"	36.000	0.161					3.272	2.665
40"	40.000	0.181					3.638	2.965
42"	42.000	0.189						3.110
48"	48.000	0.217						3.555

WALL THICKNESS ARE MINIMUM

NOTE: THE FITTINGS IN DR 5 ARE AVAILABLE ONLY FOR 8", 10", 12" Y 16" IPS;  
FITTINGS DR 5 ARE NOT AVAILABLE IN SYSTEM EDR

# Appendix II: TKP IPS pipe



Nominal Diameter	D. Ext. Inch	Tol (+/-)	RD15.5 Thickness inch	R17 Thickness inch	RD21 Thickness inch	RD26 Thickness inch	RD32.5 Thickness inch	RD41 Thickness inch
3"	3.500	0.008	0.224	0.205	0.165	0.134	0.106	
4"	4.500	0.020	0.291	0.264	0.213	0.173	0.138	0.110
6"	6.625	0.031	0.425	0.390	0.315	0.256	0.205	0.161
8"	8.625	0.039	0.555	0.508	0.409	0.331	0.264	0.209
10"	10.752	0.047	0.693	0.634	0.512	0.413	0.331	0.264
12"	12.748	0.055	0.823	0.752	0.606	0.492	0.394	0.311
14"	14.000	0.063	0.902	0.823	0.665	0.539	0.429	0.343
16"	16.000	0.071	1.031	0.941	0.764	0.614	0.492	0.390
18"	18.000	0.083	1.161	1.059	0.858	0.693	0.555	0.441
20"	20.000	0.091	1.291	1.177	0.953	0.768	0.614	0.488
22"	22.000	0.098	1.417	1.295	1.047	0.846	0.677	0.535
24"	24.000	0.106	1.547	1.413	1.142	0.921	0.736	0.587
26"	26.000	0.118	1.677	1.528	1.236	1.000	0.799	0.634
28"	28.000	0.126	1.807	1.646	1.335	1.079	0.862	0.681
30"	30.000	0.134	1.933	1.764	1.429	1.154	0.921	0.732
32"	32.000	0.146	2.067	1.854	1.524	1.232	0.984	0.780
34"	34.000	0.154	2.193	2.000	1.618	1.307	1.047	0.831
36"	36.000	0.161	2.323	0.937	1.713	1.386	1.106	0.878
40"	40.000	0.181	2.579	2.354	1.906	1.539	1.232	0.976
42"	42.000	0.189	2.709	2.472	2.000	1.614	1.291	1.024
48"	48.000	0.217	3.098	2.823	2.287	1.846	1.476	1.169

## 2.- FLANGE ADAPTORS, STUB END, FLANGES

Fimex -TKP complements its fittings system with elements of mechanical and transitional union, The most commonly used is the combination of HDPE flanges and metal flanges that are held together by means of clamping screws.

SECTION	DESCRIPTION	LONG RADIO	SHORT RADIO	DR	EDR	SDR
2.1- 2.4	FLANGE ADAPTOR	✓		7, 9, 11, 17	✓	✓
2.5	FLANGE STUB END		✓	11, 17	✓	✓
2.5	DUCTILE IRON BACKING RINGS			7, 11		
2.6	CARBON STEEL FLANGE			11, 17		
1.7	PP BACKING RINGS			CLASS 150		

### A.- HDPE flanged adapters:

Made with HDPE resin with the highest performance and durability, PE4710 / PE100, are designed with the long end, which is fused to the tube or polyethylene connections. With sufficient length for efficient thermofusion, the entire range ranges from 3 " to 36" IPS. Available in EDR and SDR system.

### B.- Flanges stub end:

These practical pieces are offered in diameters larger than 36 ", their size provides the convenience of a short stem piece that is handled and accommodated in hot melt equipment quickly and efficiently. Also available in EDR or SDR system.

### C.- Ductile iron backing rings:

The melted ductile iron flanges combine the lightness and ease of handling of its weight with the tenacity and resistance of the iron ASTM to 536, gr 64/45/12, with an advanced geometry that ensures an efficient tightening and complete hermeticity.

They comply with the ANSI b16.5 standard, with an epoxy cast paint finish (fusion bonded epoxic) red color for anticorrosive protection.

### D.- Carbon steel flanges:

Cut from ASTM a105 carbon steel plate and with the highest strength, this classic piece is offered for diameters of 26 "- 48", also finished with epoxy anticorrosive paint.

### E.- Flanges of PP- Glass fiber:

With the lightness of plastic pieces, without metallic content, definitely the flanges of the future!

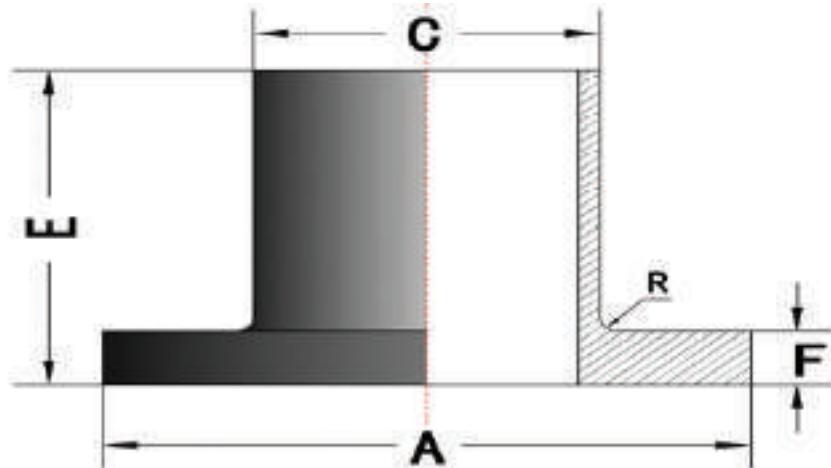
The main advantages offered by these pieces are:

- Resistant to corrosion of the environment or aggressive media.
- Light, weigh half the pieces of ductile iron.
- Resistance to pressure: 150 PSI of effort.
- Comply with the ANSI b16.5 standard.
- The tightening and tightness fulfilling the torque requirements:

Nominal diameter: 3 ": 40 nm; 4 ": 50 nm; 6 ": 60 nm; 8 ": 75 nm; 10 ": 95 nm; 12 ": 100nm.

The DR's or diameters that are not included, can be applied separately, please contact our sales representative.

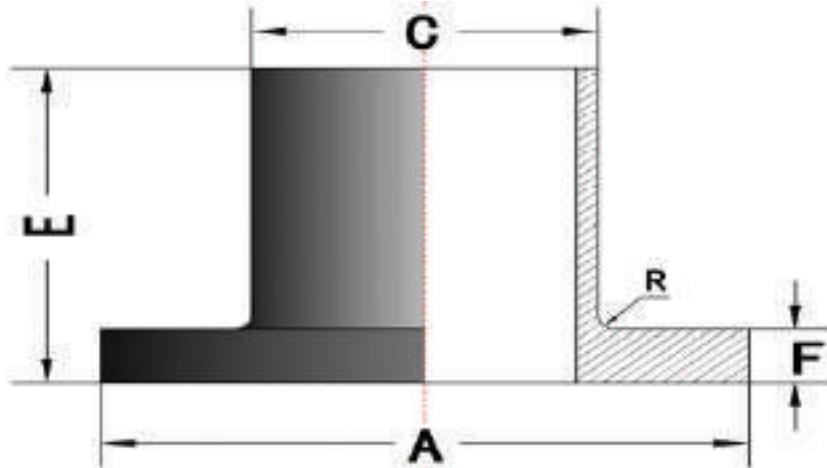
# FLANGE ADAPTER (LONG SPÍGOT), DR 7



Size	Dimension				
	A (inches)	C ( inches)	E (inches)	F (inches)	R(inches)
3"	5.00	3.50	5.71	0.67	0.25
4"	6.00	4.50	6.81	0.79	0.38
6"	8.50	6.63	7.75	1.18	0.38
8"	10.63	8.63	9.02	1.54	0.38
10"	12.75	10.75	9.65	1.92	0.38
12"	14.96	12.75	10.75	2.28	0.38

Note: other diameters, please consult your sales representative.

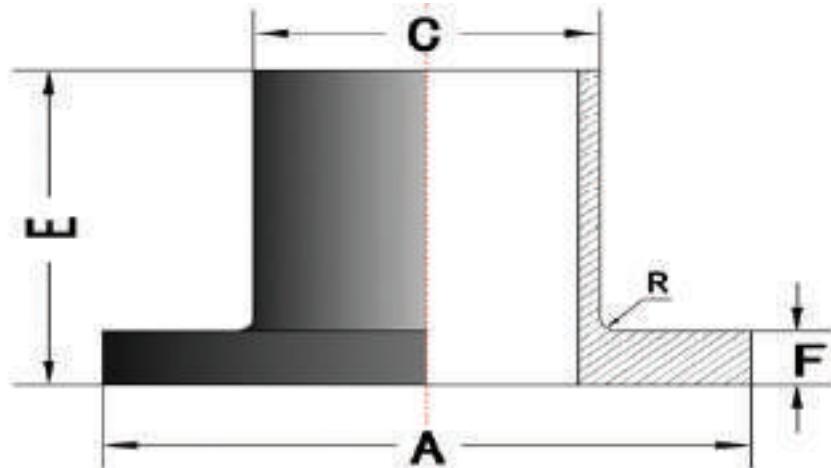
# FLANGE ADAPTER (LONG SPÍGOT), DR 9



Size	Dimension				
	A (inches)	C (inches)	E (inches)	F (inches)	R (inches)
3"	5.00	3.50	5.71	0.67	0.25
4"	6.00	4.50	6.81	0.79	0.38
6"	8.50	6.63	7.75	1.20	0.38
8"	10.63	8.63	9.02	1.02	0.38
10"	12.75	10.75	9.65	1.50	0.38
12"	14.96	12.75	10.75	1.88	0.38
14"	17.50	12.01	12.01	2.00	0.5
16"	20.00	16.00	12.01	2.25	0.5
18"	21.12	18.00	12.00	2.50	0.5
20"	23.50	20.00	12.01	3.49	0.5
24"	27.95	24.00	13.61	4.36	0.5

Note: other diameters, please consult your sales representative.

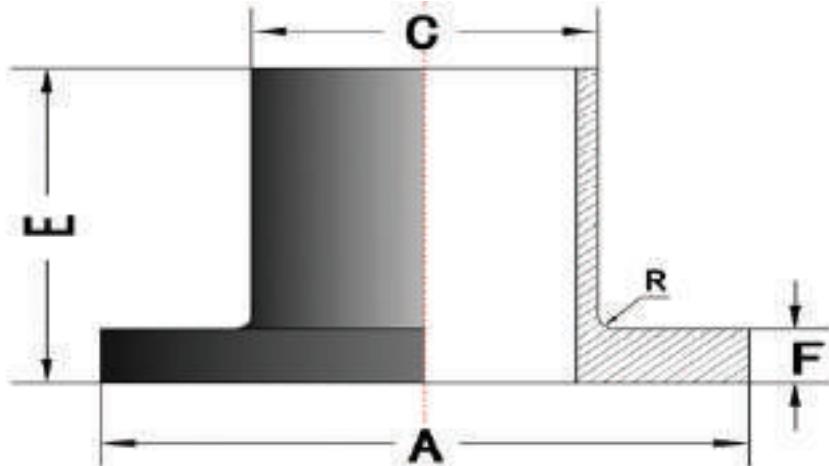
# FLANGE ADAPTER (LONG SPÍGOT), DR 11



Size	Dimension				
	A (inches)	C (inches)	E (inches)	F (inches)	R (inches)
3"	5.00	3.50	5.71	0.67	0.25
4"	6.00	4.50	6.81	0.79	0.38
6"	8.50	6.63	7.75	0.80	0.38
8"	10.63	8.63	9.02	1.02	0.38
10"	12.75	10.75	9.65	1.28	0.38
12"	14.96	12.75	10.75	1.54	0.38
14"	17.50	12.01	12.01	1.61	0.5
16"	20.00	16.00	12.01	1.81	0.5
18"	21.12	18.00	12.00	2.05	0.5
20"	23.50	20.00	12.01	2.28	0.5
24"	27.95	24.00	13.61	2.72	0.5
28"	32.32	28.00	13.78	3.15	0.5
30"	34.29	30.00	13.78	3.39	0.5
32"	36.50	32.00	13.78	3.35	0.5
36"	40.79	36.00	13.78	4.09	0.5

Note: other diameters, please consult your sales representative.

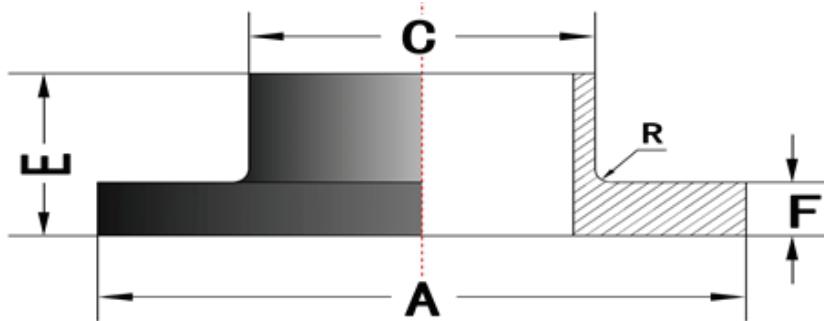
# FLANGE ADAPTER (LONG SPIGOT), DR 17



Size	SDR	Dimension				
		A (inches)	C (inches)	E (inches)	F (inches)	R (inches)
3"	17	5.00	3.50	5.71	0.67	0.25
4"	17	6.00	4.50	6.81	0.79	0.38
6"	17	8.50	6.63	7.75	0.80	0.38
8"	17	10.63	8.63	9.02	1.02	0.38
10"	17	12.75	10.75	9.65	1.28	0.38
12"	17	14.96	12.75	10.75	1.54	0.38
14"	17	17.50	14.00	12.01	1.54	0.5
16"	17	20.00	16.00	12.01	1.54	0.5
18"	17	21.12	18.00	12.01	1.73	0.5
20"	17	23.50	20.00	12.01	1.89	0.5
24"	17	27.95	24.00	13.61	2.72	0.5
28"	17	32.32	28.00	13.78	2.91	0.5
30"	17	34.29	30.00	13.78	3.46	0.5
32"	17	34.29	32.00	14.00	3.69	0.5
36"	17	40.79	36.00	13.78	3.58	0.5

Note: other diameters, please consult your sales representative.

# FLANGE STUB END

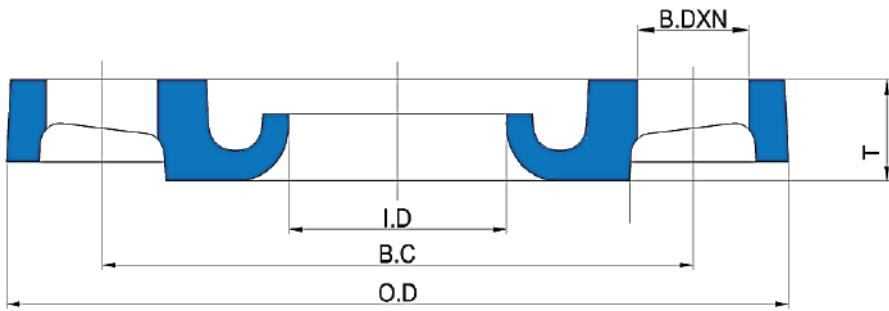


Size	SDR	Dimension				
		A (inches)	C (inches)	E (inches)	F (inches)	R (inches)
42"	11	47.13	42.00	9.00	4.77	0.5
42"	17	47.13	42.00	9.00	3.09	0.5
48"	17	54.00	48.00	6.50	3.53	0.5

Note: other DR's or diameters, please consult your sales representative.

# DUCTILE IRON BACKING RING DR 7

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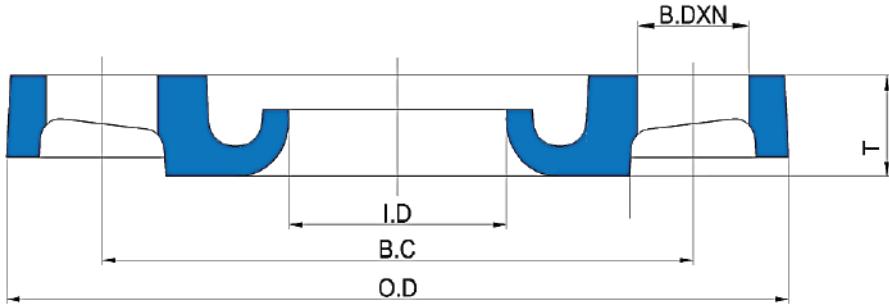


Size	Pressure	DR	Type	OD	ID	Thickness	# Holes	Holes		Weight (Lb)
								B.D.	B.C.	
3"	267 PSI	7	C	7.5	3.6	0.94	4	0.75	6	3.79
4"	267 PSI	7	C	9	4.6	0.94	8	0.75	7.5	5.09
5"	267 PSI	7	C	10	5.69	0.94	8	0.88	8.5	5.91
6"	267 PSI	7	C	11	6.75	1	8	0.88	9.5	6.99
8"	267 PSI	7	C	13.5	8.75	1.12	8	0.88	11.75	10.49
10"	267 PSI	7	C	16	10.92	1.19	12	1	14.25	15.30
12"	267 PSI	7	C	19	12.92	1.5	12	1	17	24.38

DIMENSIONS IN INCHES

# DUCTILE IRON BACKING RING DR 11

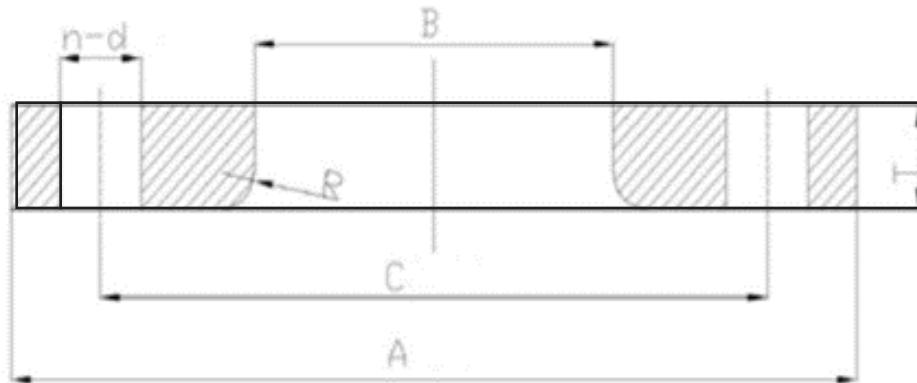
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Size	Presure	DR	Type	OD	ID	Thickness	# HOLES	Weight (Lb)		
								B.D.	B.C.	
3"	160PSI	11	B	7.5	3.75	0.53	4	0.75	6	2.47
4"	160PSI	11	B	9	4.8	0.55	8	0.75	7.5	3.31
6"	160PSI	11	B	11	6.9	0.63	8	0.88	9.5	4.45
8"	160PSI	11	B	13.5	8.9	0.87	8	0.88	11.75	8.00
10"	160PSI	11	B	16	11	0.98	12	1	14.25	11.64
12"	160PSI	11	B	19	13.15	1.26	12	1.13	17	19.91
14"	160PSI	11	B	21	14.4	1.38	12	1.13	18.75	28.02
16"	160PSI	11	B	23.5	16.4	1.65	16	1.13	21.25	39.75
18"	160PSI	11	B	25	18.4	1.69	16	1.25	22.75	40.15
20"	160PSI	11	B	27.5	20.5	1.81	20	1.25	25	51.21
22"	160PSI	11	B	29.5	22.5	2.01	20	1.38	27.25	62.24
24"	160PSI	11	B	32	24.5	2.17	20	1.38	29.5	76.46

DIMENSIONS IN INCHES

# CARBON STEEL FLANGE.- 160 PSI

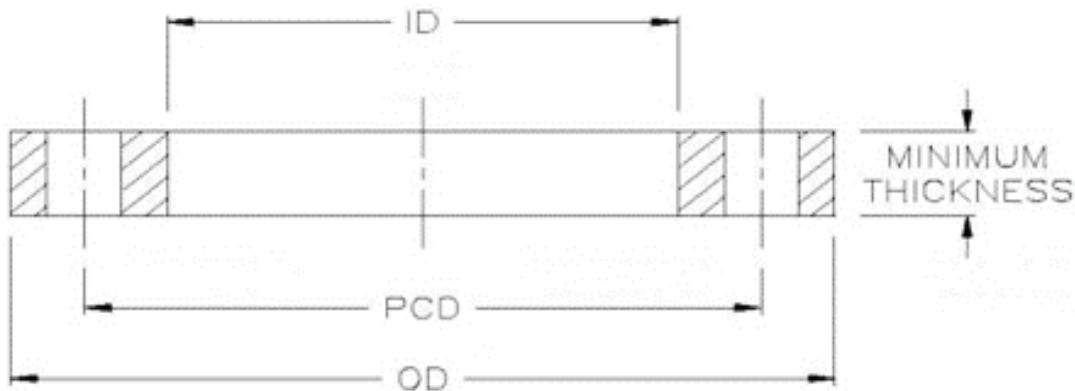


NOMINAL DIAM	RD	A	B	T	Bolt No.	Bolt Hole	Bolt Hole	R
						B.D.	C	
26"	11	34.25	26.5	1.31	24	1.38	31.75	0.35
28"	11	36.5	28.5	1.31	28	1.38	34	0.35
30"	11	38.75	30.5	1.38	28	1.38	36	0.35
32"	11	41.75	32.5	1.5	28	1.63	38.5	0.35
34"	11	43.75	34.5	1.5	32	1.63	40.5	0.35
36"	11	46	36.5	1.63	32	1.63	42.75	0.35
40"	11	50.75	40.5	1.63	36	1.63	47.25	0.35
42"	11	53	42.5	1.75	36	1.63	49.5	0.35
48"	11	59.5	48.5	1.75	44	1.63	56	0.35

DIMENSIONS IN INCHES

# PP- FIBER BACKING RING, CLASS 150

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NOMINAL DIAM	OD	PCD	ID	HOLE DIAM	THICKNESS	# HOLES	Lb
3"	7.9	6.0	4.25	0.7	1.063	4	1.30
4"	9.0	7.5	5.04	0.7	1.102	8	1.67
6"	11.2	9.5	7.01	0.9	1.26	8	2.65
8"	13.4	11.7	9.37	0.9	1.34	8	3.42
10"	16.0	14.3	11.57	1.0	1.50	12	4.92
12"	19.0	17.0	13.31	1.0	1.65	12	8.59

DIMENSIONS IN INCHES

### 3.- ELECTROFUSION COUPLINGS

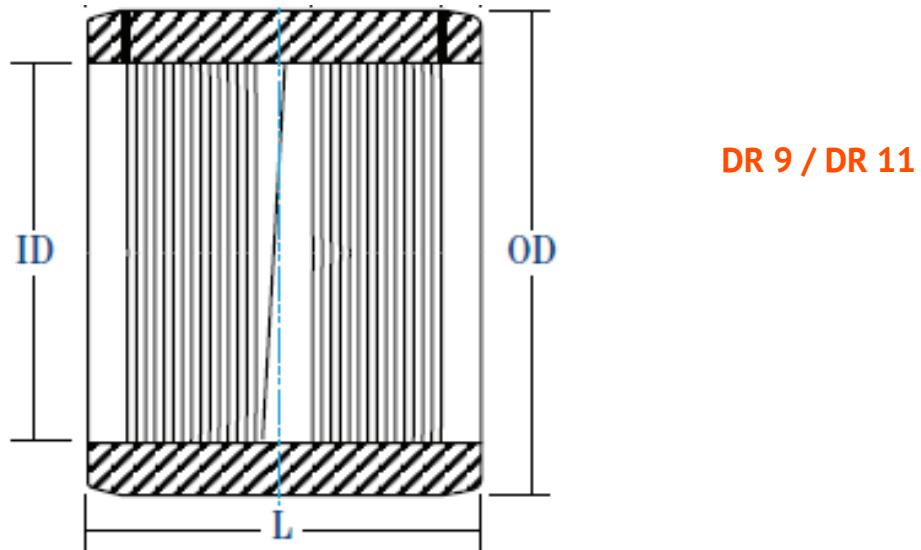
Electrofusion is the joining of two polyethylene or other plastic pipes using electrical energy. A copper coil built into the fitting itself is heated using an external fusion machine. Electrofusion is an alternative to other coupling methods such as butt fusion. It is often necessary to create piping joints onsite during trenchless construction operations.

Electrofusion welding is beneficial because it does not require the operator to use dangerous or sophisticated equipment. After some preparation, the Electrofusion Welder will guide the operator through the steps to take. Welding Heat and Time is dependant on the type and size of the fitting. All Electrofusion Fittings are not created equal - Precise positioning of the energising coils of wire in each fitting ensures uniform melting for a strong joint and the minimisation of welding and cooling time.

The couplings are manufactured with the most efficient and durable resin available on the market, PE4710 / PE100.

The application of energy in this way keeps a control of the variables of complete fusion, getting to suspend the process in case of finding a deviation or problem that the union of each coupling must be repaired, therefore it is 100% efficient and traceable. They offer the couplings with the universal connections, to be installed using any electrofusion unit available in the market.

# ELECTROFUSION COUPLINGS WITH UNIVERSAL CONECTORS



SIZE ( IPS )	ID (Inch)	OD (Inch)	L (Inch)	Weight (Lb)
1/2"	0.84	1.34	2.83	0.06
3/4"	1.05	1.57	2.83	0.11
1"	1.32	1.81	3.15	0.45
1 1/4"	1.66	2.17	3.39	0.50
1 1/2"	1.9	2.52	3.86	0.50
2"	2.37	3.07	4.21	0.67
3"	3.5	4.41	5.79	1.40
4"	4.5	5.51	6.30	2.43
5"	5.56	6.85	6.73	5.75
6"	6.63	8.11	7.28	5.75
8"	8.63	10.63	8.03	9.40
10"	10.75	13.28	8.66	17.00
12"	12.75	15.75	9.6	20.00
14"	14.00	17.29	10	30.00
16"	16.00	19.76	11.81	39.81

Note: If you require any other piece, please contact your sales representative.

## 4.- INJECTION MOLDED FITTINGS

Fimex- TKP offers the line of injected connections to the fluid conduction industry.

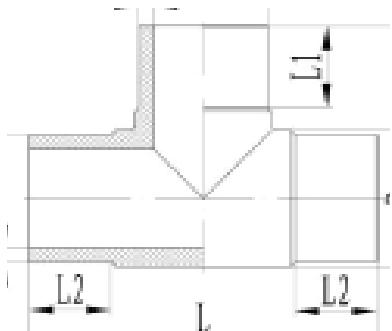
Using the highest quality and performance polyethylene materials: PE 4710 / PE 100, and certified in Mexico by Conagua and in the United States in the Technical Report # 4 of the PPI (Plastic Pipe Institute).

They comply with the AWWA C906 and ASTM D3261 standards, for IPS diameters, butt fusion connection and use in drinking water and conduction of various fluids.

The Elbows and the TEE are designed in EDR system, ensuring the best performance and resistance to pressure, reductions and plugs are in SDR system.

# TEE

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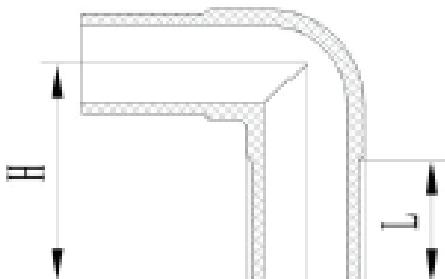


**DR 9 / DR 11**

SIZE	DR	L1	L2	L	WEIGHT/Lb
1" IPS	11	2.638	2.638	7.717	0.264552
2" IPS	11	2.835	2.835	10.236	0.925932
3" IPS	11	3.150	3.150	12.205	2.2046
4" IPS	11	3.307	3.307	13.701	3.924188
6" IPS	11	4.252	4.252	17.953	10.648218
8" IPS	11	6.000	6.000	22.874	23.1483
1" IPS	9	2.638	2.638	7.717	0.352736
2" IPS	9	2.835	2.835	10.236	1.43299
3" IPS	9	3.150	3.150	12.205	3.350992
4" IPS	9	3.307	3.307	13.701	4.51943
6" IPS	9	4.252	4.252	17.953	17.901352
8" IPS	9	6.000	6.000	22.874	35.890888

Note: If you require any other piece or different diameters or DR's, please contact your sales representative.

# ELBOW 90°



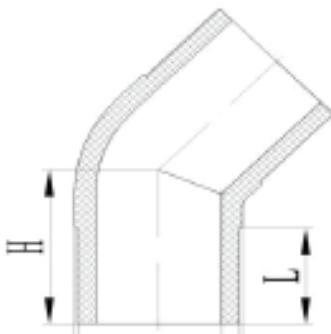
DR 9 / DR 11

SIZE	DR	H	L	WEIGHT/Lb
1" IPS	11	4.055	2.638	0.220
2" IPS	11	5.118	2.835	0.639
3" IPS	11	5.984	3.150	1.499
4" IPS	11	6.811	3.307	2.712
6" IPS	11	8.898	4.252	7.099
8" IPS	11	11.457	6.000	15.807
1" IPS	9	4.055	2.638	0.287
2" IPS	9	5.118	2.835	1.014
3" IPS	9	5.984	3.150	2.513
4" IPS	9	6.811	3.307	4.519
6" IPS	9	8.898	4.252	8.796
8" IPS	9	11.457	6.000	18.960

Note: If you require any other piece or different diameters or DR's, please contact your sales representative.

# ELBOW 45°

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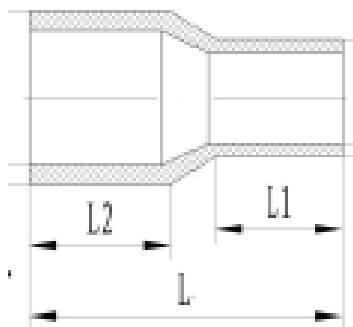
DR 9 / DR 11

SIZE	DR	H	L	WEIGHT/Lb
1" IPS	11	3.543	2.638	0.176
2" IPS	11	4.449	2.835	0.661
3" IPS	11	4.921	3.150	1.653
4" IPS	11	5.394	3.307	3.086
6" IPS	11	6.850	4.252	6.393
8" IPS	11	8.858	6.000	15.035
1" IPS	9	3.543	2.638	0.220
2" IPS	9	4.449	2.835	0.860
3" IPS	9	4.921	3.150	2.161
4" IPS	9	5.394	3.307	4.321
6" IPS	9	6.850	4.252	8.951
8" IPS	9	8.858	6.000	23.457

Note: If you require any other piece or different diameters or DR's, please contact your sales representative.

# REDUCERS

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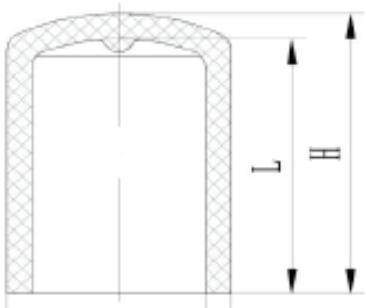
**DR 9 / DR 11**

SIZE	DR	L	L1	L2	WEIGHT/Lb
2" x 1" IPS	11	6.299	2.638	2.835	0.287
3" x 2" IPS	11	6.890	2.835	3.150	0.728
4" x 2" IPS	11	7.283	3.307	2.835	1.014
4" x 3" IPS	11	7.283	3.150	3.307	1.190
6" x 2" IPS	11	9.252	2.835	4.252	2.822
6" x 3" IPS	11	9.252	3.150	4.252	3.108
6" x 4" IPS	11	9.252	3.307	4.252	3.351
8" x 4" IPS	11	11.811	3.307	6.024	7.231
8" x 6" IPS	11	11.811	4.252	6.024	7.738
2" x 1" IPS	9	6.299	2.638	2.835	0.375
3" x 2" IPS	9	6.890	2.835	3.150	0.948
4" x 2" IPS	9	7.283	3.307	2.835	1.477
4" x 3" IPS	9	7.283	3.150	3.307	1.742
6" x 2" IPS	9	9.252	2.835	4.252	4.145
6" x 3" IPS	9	9.252	3.150	4.252	4.475
6" x 4" IPS	9	9.252	3.307	4.252	3.946
8" x 4" IPS	9	11.811	3.307	6.024	10.318
8" x 6" IPS	9	11.811	4.252	6.024	11.596

Note: If you require any other piece or different diameters or DR's, please contact your sales representative.

# CAP

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**DR 9 / DR 11**

SIZE	DR	H	L	WEIGHT/Lb
1" IPS	11	2.953	2.815	0.066
2" IPS	11	3.228	2.992	0.220
3" IPS	11	3.937	3.583	0.595
4" IPS	11	4.331	3.878	1.080
6" IPS	11	5.827	5.157	3.175
8" IPS	11	7.677	6.811	7.033
1" IPS	9	2.953	2.815	0.066
2" IPS	9	3.228	2.992	0.287
3" IPS	9	3.937	3.583	0.772
4" IPS	9	4.331	3.878	1.521
6" IPS	9	5.827	5.157	4.431
8" IPS	9	7.677	6.811	9.855

Note: If you require any other piece or different diameters or DR's, please contact your sales representative.

## 5.- SPECIAL PIECES:

Fimex-TKP offers a drinking water system for the conduction of drinking water by combining thermofusion, electrofusion, leak-proof.

The main components are:

- **Electrofusion service saddles**
- **Thermofusion service saddles**
- **Threaded bronze HDPE adaptors**
- **Equipment for electrofusion**

- The electrofusion saddles are fastened to the conductor tube by means of clamps, when carrying out the electrofusion and then the service is opened by means of the perforator (punch) that is included in the body of the piece, this whole process can be carried out even live online.

- The threaded hdpe-bronze adapter is a fundamental part of the system, because it is joined by thermofusion or electrofusion to the HDPE tube that leaves the socket and in the bronze part it is attached in a very simple way to the right foot of the iron service or galvanized by means of NPT thread.

- The TKP electrofusion equipment, of German technology, is offered to the public both for use in household outlets and for the installation of other couplings or electrofusion pieces. It has the capacity to bond couplings up to 24".

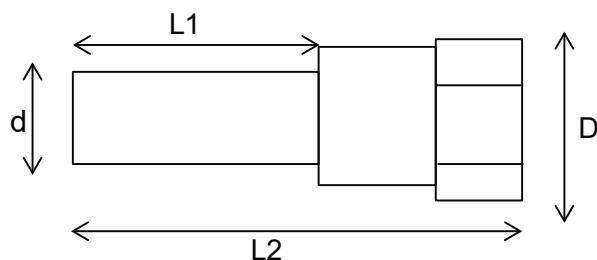
Some additional accessories are:

- **Bar code reading gun that captures the identification codes of the electrofusion pieces.**
- **Replacement or special connectors to be applied in electrofusion couplings of other brands.**
- **Metal box to store and transport the electrofusion unit safely.**

In case of preferring the domiciliary connection joined by thermofusion, the hot melt service saddles are also offered to the market.

# THREADED BRONZE-HDPE ADAPTORS

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DESCRIPTION	L1 ( INCHES)	L2 ( INCHES)	d (INCHES)	D (INCHES)
THREADED BRONZE-HDPE NPT (transition) PEAD-bronze 1" Ø	2.75	5	1.315	1.75
THREADED BRONZE-HDPE NPT (transition) PEAD-bronze 3/4"Ø	2.75	5	1.051	1.5

# ELECTROFUSION EQUIPMENT



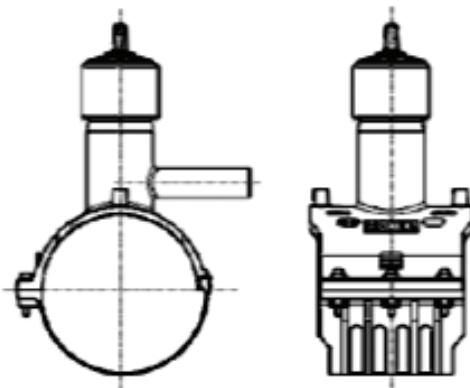
Welding cables for electrofusion

Scanner Bar Code Reader for Electrofusión

Box P / Transport Electrofusion Equipment

Complete Electrofusion Equipment, with terminals, code bar reader and Box P / Transport 110 Volts

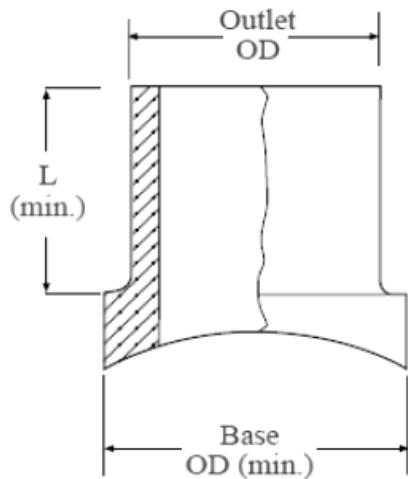
# ELECTROFUSION SERVICE SADDLES



DESCRIPTION
Electrofusion Saddle 2" x 1" Ø PE
Electrofusion Saddle 3" x 1" Ø PE
Electrofusion Saddle 4" x 1" Ø PE
Electrofusion Saddle 2" x 3/4" Ø PE
Electrofusion Saddle 3" x 3/4" Ø PE
Electrofusion Saddle 4" x 3/4" Ø PE

# TERMOFUSION SERVICE SADDLES

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DESCRIPTION	INCHES OD (outlet)	INCHES L
Saddle Service PE 1/2" Ø	0.839	2.5
Saddle Service PE 3/4" Ø	1.051	2.5
Saddle Service PE 1" Ø	1.315	2.5



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Contact us,  
we are here to help you

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