

Segmented Fittings

Equal Tee (SD-PESET)

SHIELD Fittings are available in segmented. They are manufactured as per ISO and ANSI/AWWA standard which are UL, FM, WRAS and API approved, applicable for fire fighting & Water Applications.



Product Specifications:

Available Size	90mm - 500mm, 10" - 20"
Material	High Density Polyethylene
Standard	ISO 4427, ANSI/AWWA C906, API 15LE
Application	Firefighting (underground), Irrigation, Potable Water, Drainage, Gas Insulation/Sleeves/Jacket, Horizontal Directional Drilling Machine
Approvals/Listings	   

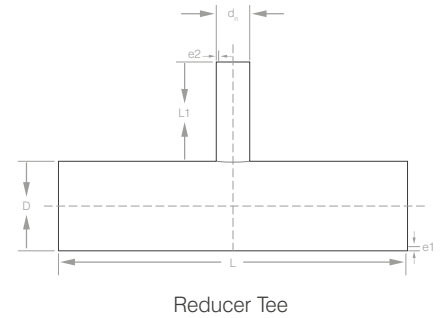
Segmented Fittings

(Metric)

Product Dimensions:

SD-PESRT (ISO 4427) (PE 100 - 3 Segmented, Long spigot version)

D x d _n	D	d _n	L	L1	e1	e2	e1	e2	e1	e2	e1	e2
					SDR 17		SDR 11		SDR 9		SDR 7.4	
					PN10	mm	PN16	mm	PN20	mm	PN25	mm
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
90 x 50	90	50	720	300	5.4 - 6.1	3.0 - 3.4	8.2 - 9.2	4.6 - 5.2	10.1 - 11.1	5.6 - 6.3	12.3 - 13.7	6.9 - 7.7
110 x 50	110	50	720	300	6.6 - 7.4	3.0 - 3.4	10.0 - 11.1	4.6 - 5.2	12.3 - 13.7	5.6 - 6.3	15.1 - 16.8	6.9 - 7.7
110 x 63	110	63	720	300	6.6 - 7.4	3.8 - 4.3	10.0 - 11.1	5.8 - 6.5	12.3 - 13.7	7.1 - 8.0	15.1 - 16.8	8.6 - 9.6
125 x 50	125	50	720	300	7.4 - 8.3	3.0 - 3.4	11.4 - 12.7	4.6 - 5.2	14.0 - 15.6	5.6 - 6.3	17.1 - 19.0	6.9 - 7.7
125 x 63	125	63	720	300	7.4 - 8.3	3.8 - 4.3	11.4 - 12.7	5.8 - 6.5	14.0 - 15.6	7.1 - 8.0	17.1 - 19.0	8.6 - 9.6
160 x 50	160	50	720	300	9.5 - 10.6	3.0 - 3.4	14.6 - 16.2	4.6 - 5.2	17.9 - 19.8	5.6 - 6.3	21.9 - 24.2	6.9 - 7.7
160 x 63	160	63	720	300	9.5 - 10.6	3.8 - 4.3	14.6 - 16.2	5.8 - 6.5	17.9 - 19.8	7.1 - 8.0	21.9 - 24.2	8.6 - 9.6
160 x 75	160	75	720	300	9.5 - 10.6	4.5 - 5.1	14.6 - 16.2	6.8 - 7.6	17.9 - 19.8	8.4 - 9.4	21.9 - 24.2	10.3 - 11.5
160 x 90	160	90	720	300	9.5 - 10.6	5.4 - 6.1	14.6 - 16.2	8.2 - 9.2	17.9 - 19.8	10.1 - 11.1	21.9 - 24.2	12.3 - 13.7
180 x 63	180	63	720	300	10.7 - 11.9	3.8 - 4.3	16.4 - 18.2	5.8 - 6.5	20.1 - 22.3	7.1 - 8.0	24.6 - 27.2	8.6 - 9.6
180 x 75	180	75	720	300	10.7 - 11.9	4.5 - 5.1	16.4 - 18.2	6.8 - 7.6	20.1 - 22.3	8.4 - 9.4	24.6 - 27.2	10.3 - 11.5
180 x 90	180	90	720	300	10.7 - 11.9	5.4 - 6.1	16.4 - 18.2	8.2 - 9.2	20.1 - 22.3	10.1 - 11.1	24.6 - 27.2	12.3 - 13.7
180 x 110	180	110	720	300	10.7 - 11.9	6.6 - 7.4	16.4 - 18.2	10.0 - 11.1	20.1 - 22.3	12.3 - 13.7	24.6 - 27.2	15.1 - 16.8
200 x 63	200	63	720	300	11.9 - 13.2	3.8 - 4.3	18.2 - 20.2	5.8 - 6.5	22.4 - 24.8	7.1 - 8.0	27.4 - 30.3	8.6 - 9.6
200 x 75	200	75	720	300	11.9 - 13.2	4.5 - 5.1	18.2 - 20.2	6.8 - 7.6	22.4 - 24.8	8.4 - 9.4	27.4 - 30.3	10.3 - 11.5
200 x 90	200	90	720	300	11.9 - 13.2	5.4 - 6.1	18.2 - 20.2	8.2 - 9.2	22.4 - 24.8	10.1 - 11.1	27.4 - 30.3	12.3 - 13.7
200 x 110	200	110	720	300	11.9 - 13.2	6.6 - 7.4	18.2 - 20.2	10.0 - 11.1	22.4 - 24.8	12.3 - 13.7	27.4 - 30.3	15.1 - 16.8
225 x 63	225	63	720	300	13.4 - 14.9	3.8 - 4.3	20.5 - 22.7	5.8 - 6.5	25.2 - 27.9	7.1 - 8.0	30.8 - 34.0	8.6 - 9.6
225 x 75	225	75	720	300	13.4 - 14.9	4.5 - 5.1	20.5 - 22.7	6.8 - 7.6	25.2 - 27.9	8.4 - 9.4	30.8 - 34.0	10.3 - 11.5
225 x 90	225	90	720	300	13.4 - 14.9	5.4 - 6.1	20.5 - 22.7	8.2 - 9.2	25.2 - 27.9	10.1 - 11.1	30.8 - 34.0	12.3 - 13.7
225 x 110	225	110	720	300	13.4 - 14.9	6.6 - 7.4	20.5 - 22.7	10.0 - 11.1	25.2 - 27.9	12.3 - 13.7	30.8 - 34.0	15.1 - 16.8
225 x 125	225	125	720	300	13.4 - 14.9	7.4 - 8.3	20.5 - 22.7	11.4 - 12.7	25.2 - 27.9	14.0 - 15.6	30.8 - 34.0	17.1 - 19.0
250 x 63	250	63	720	300	14.8 - 16.4	3.8 - 4.3	22.7 - 25.1	5.8 - 6.5	27.9 - 30.8	7.1 - 8.0	34.2 - 37.8	8.6 - 9.6
250 x 75	250	75	720	300	14.8 - 16.4	4.5 - 5.1	22.7 - 25.1	6.8 - 7.6	27.9 - 30.8	8.4 - 9.4	34.2 - 37.8	10.3 - 11.5
250 x 90	250	90	720	300	14.8 - 16.4	5.4 - 6.1	22.7 - 25.1	8.2 - 9.2	27.9 - 30.8	10.1 - 11.1	34.2 - 37.8	12.3 - 13.7
250 x 110	250	110	720	300	14.8 - 16.4	6.6 - 7.4	22.7 - 25.1	10.0 - 11.1	27.9 - 30.8	12.3 - 13.7	34.2 - 37.8	15.1 - 16.8
250 x 125	250	125	720	300	14.8 - 16.4	7.4 - 8.3	22.7 - 25.1	11.4 - 12.7	27.9 - 30.8	14.0 - 15.6	34.2 - 37.8	17.1 - 19.0
280 x 63	280	63	720	300	16.6 - 18.6	3.8 - 4.3	25.4 - 28.1	5.8 - 6.5	31.3 - 34.6	7.1 - 8.0	38.3 - 42.3	8.6 - 9.6
280 x 90	280	90	720	300	16.6 - 18.6	5.4 - 6.1	25.4 - 28.1	8.2 - 9.2	31.3 - 34.6	10.1 - 11.1	38.3 - 42.3	12.3 - 13.7
280 x 110	280	110	720	300	16.6 - 18.6	6.6 - 7.4	25.4 - 28.1	10.0 - 11.1	31.3 - 34.6	12.3 - 13.7	38.3 - 42.3	15.1 - 16.8
280 x 125	280	125	720	300	16.6 - 18.6	7.4 - 8.3	25.4 - 28.1	11.4 - 12.7	31.3 - 34.6	14.0 - 15.6	38.3 - 42.3	17.1 - 19.0
315 x 63	315	63	720	300	18.7 - 20.7	3.8 - 4.3	28.6 - 31.6	5.8 - 6.5	35.2 - 38.9	7.1 - 8.0	43.1 - 47.6	8.6 - 9.6
315 x 90	315	90	720	300	18.7 - 20.7	5.4 - 6.1	28.6 - 31.6	8.2 - 9.2	35.2 - 38.9	10.1 - 11.3	43.1 - 47.6	12.3 - 13.7
315 x 110	315	110	720	300	18.7 - 20.7	6.6 - 7.4	28.6 - 31.6	10.0 - 11.1	35.2 - 38.9	12.3 - 13.7	43.1 - 47.6	15.1 - 16.8
355 x 63	355	63	720	300	21.1 - 23.4	3.8 - 4.3	32.2 - 35.6	5.8 - 6.5	39.7 - 43.8	7.1 - 8.0	48.5 - 53.5	8.6 - 9.6
355 x 90	355	90	720	300	21.1 - 23.4	5.4 - 6.1	32.2 - 35.6	8.2 - 9.2	39.7 - 43.8	10.1 - 11.3	48.5 - 53.5	12.3 - 13.7
355 x 110	355	110	720	300	21.1 - 23.4	6.6 - 7.4	32.2 - 35.6	10.0 - 11.1	39.7 - 43.8	12.3 - 13.7	48.5 - 53.5	15.1 - 16.8
355 x 160	355	160	720	300	21.1 - 23.4	9.5 - 10.6	32.2 - 35.6	14.6 - 16.2	39.7 - 43.8	17.9 - 19.8	48.5 - 53.5	21.9 - 24.2
400 x 90	400	90	720	300	23.7 - 26.2	5.4 - 6.1	36.3 - 40.1	8.2 - 9.2	44.7 - 49.3	10.1 - 11.3	54.7 - 60.3	12.3 - 13.7
400 x 110	400	110	720	300	23.7 - 26.2	6.6 - 7.4	36.3 - 40.1	10.0 - 11.1	44.7 - 49.3	12.3 - 13.7	54.7 - 60.3	15.1 - 16.8
400 x 160	400	160	720	300	23.7 - 26.2	9.5 - 10.6	36.3 - 40.1	14.6 - 16.2	44.7 - 49.3	17.9 - 19.8	54.7 - 60.3	21.9 - 24.2
400 x 200	400	200	720	300	23.7 - 26.2	11.9 - 13.2	36.3 - 40.1	18.2 - 20.2	44.7 - 49.3	22.4 - 24.8	54.7 - 60.3	27.4 - 30.3
450 x 110	450	110	720	300	26.7 - 29.5	6.6 - 7.4	40.9 - 45.1	10.0 - 11.1	50.3 - 55.5	12.3 - 13.7	61.5 - 67.8	15.1 - 16.8
450 x 160	450	160	720	300	26.7 - 29.5	9.5 - 10.6	40.9 - 45.1	14.6 - 16.2	50.3 - 55.5	17.9 - 19.8	61.5 - 67.8	21.9 - 24.2
450 x 200	450	200	720	300	26.7 - 29.5	11.9 - 13.2	40.9 - 45.1	18.2 - 20.2	50.3 - 55.5	22.4 - 24.8	61.5 - 67.8	27.4 - 30.3
450 x 225	450	225	720	300	26.7 - 29.5	13.4 - 14.9	40.9 - 45.1	20.5 - 22.7	50.3 - 55.5	25.2 - 27.9	61.5 - 67.8	30.8 - 34.0
500 x 160	500	160	720	300	29.7 - 32.8	9.5 - 10.6	45.4 - 50.1	14.6 - 16.2	55.8 - 61.5	17.9 - 19.8	68.2 - 75.4	21.9 - 24.2
500 x 200	500	200	720	300	29.7 - 32.8	11.9 - 13.2	45.4 - 50.1	18.2 - 20.2	55.8 - 61.5	22.4 - 24.8	68.2 - 75.4	27.4 - 30.3
500 x 225	500	225	720	300	29.7 - 32.8	13.4 - 14.9	45.4 - 50.1	20.5 - 22.7	55.8 - 61.5	25.2 - 27.9	68.2 - 75.4	30.8 - 34.0
500 x 250	500	250	720	300	29.7 - 32.8	14.8 - 16.4	45.4 - 50.1	22.7 - 25.1	55.8 - 61.5	27.9 - 30.8	68.2 - 75.4	34.2 - 37.8



NOTE:

- ▶ The tolerance limit for 'e1' & 'e2' will be 0.2+mm.
- ▶ e = Thickness at the end.
- ▶ Refer to FM & WRAS certificates for more details.
- ▶ Other SDRs and sizes are also available upon request.

Segmented Fittings

(Imperial)

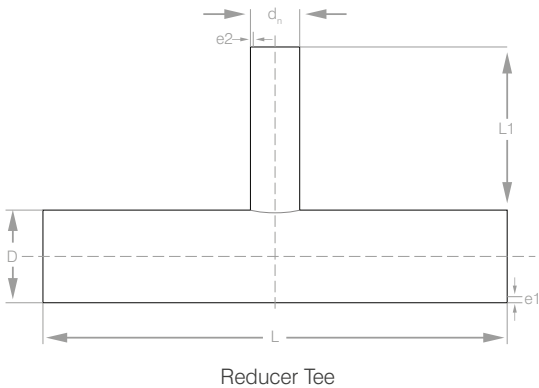
Miscellaneous Data:

SD-PESRT (ANSI/AWWA C906) (PE 100/PE 3 - 4710 Segments, Long spigot version)

D x d _n	D	d _n	L	L1	e1				e2			
					DR 11 PC200	DR 9 PC250	DR 7.3 PC317	DR 7 PC335	DR 11 PC200	DR 9 PC250	DR 7.3 PC317	DR 7 PC335
Inch	Inch	Inch	Min Inch	Min Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch	Inch
10 x 4	10	4	28.35	11.81	0.977 - 1.094	1.194 - 1.337	1.473 - 1.650	1.536 - 1.720	0.409 - 0.458	0.500 - 0.560	0.625 - 0.700	0.643 - 0.720
12 x 6	12	6	28.35	11.81	1.159 - 1.298	1.417 - 1.587	1.747 - 1.957	1.821 - 2.039	0.602 - 0.674	0.736 - 0.825	0.920 - 1.031	0.946 - 1.060
14 x 4	14	4	28.35	11.81	1.273 - 1.426	1.556 - 1.743	1.918 - 2.148	2.000 - 2.240	0.409 - 0.458	0.500 - 0.560	0.625 - 0.700	0.643 - 0.720
14 x 6	14	6	28.35	11.81	1.273 - 1.426	1.556 - 1.743	1.918 - 2.148	2.000 - 2.240	0.602 - 0.674	0.736 - 0.825	0.920 - 1.031	0.946 - 1.060
16 x 6	16	6	28.35	11.81	1.455 - 1.63	1.778 - 1.992	2.192 - 2.455	2.286 - 2.560	0.602 - 0.674	0.736 - 0.825	0.920 - 1.031	0.946 - 1.060
16 x 8	16	8	28.35	11.81	1.455 - 1.63	1.778 - 1.992	2.192 - 2.455	2.286 - 2.560	0.784 - 0.878	0.958 - 1.073	1.198 - 1.342	1.228 - 1.376
18 x 8	18	8	28.35	11.81	1.636 - 1.832	2.000 - 2.240	2.466 - 2.762	2.571 - 2.879	0.784 - 0.878	0.958 - 1.073	1.198 - 1.342	1.228 - 1.376
20 x 6	20	6	28.35	11.81	1.818 - 2.036	2.222 - 2.489	2.740 - 3.069	2.857 - 3.200	0.602 - 0.674	0.736 - 0.825	0.920 - 1.031	0.946 - 1.060
20 x 8	20	8	28.35	11.81	1.818 - 2.036	2.222 - 2.489	2.740 - 3.069	2.857 - 3.200	0.784 - 0.878	0.958 - 1.073	1.198 - 1.342	1.228 - 1.376
20 x 10	20	10	28.35	11.81	1.818 - 2.036	2.222 - 2.489	2.740 - 3.069	2.857 - 3.200	0.977 - 1.094	1.194 - 1.337	1.473 - 1.650	1.536 - 1.720

NOTE:

- ▶ e1 & e2 = Thickness at the end.
- ▶ Refer to FM & WRAS certificates for more details.



Segmented Fittings

Miscellaneous Data:

1. Ordering Information

Example: SD-PESRT-1-40

- SD-PESRT is the part number
- (1) ISO 4427 (2) ANSI/AWWA C906 (3) API 15LE
- (40) Size

2. Contact Information

For further information on any aspect of the SHIELD HDPE Segmented Fittings please contact below:

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