

Moulded Fittings

Short Stub Flange (SD-PEMSSF)

SHIELD Fittings are available in moulded. 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	200mm - 500mm, 4" - 20"
Material	High Density Polyethylene, Medium Density Polyethylene
Standard	ISO 4427, EN 12201, ANSI/AWWA C906, API 15LE
Application	Firefighting (underground), Irrigation, Potable Water, Drainage, Gas Insulation/Sleeves/Jacket, Horizontal Directional Drilling Machine
Approvals/Listings	   

Moulded Fittings

(Metric)

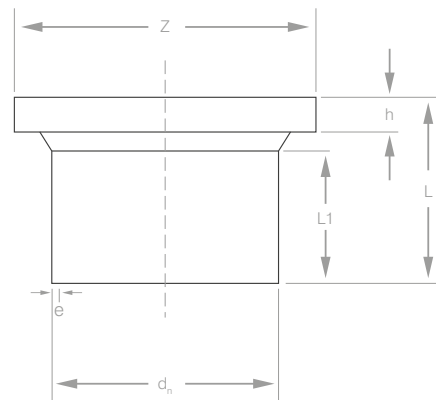
Product Dimensions:

SD-PEMSSF (ISO 4427) (PE 100 Long spigot version)

d _n	D (Min - Max)	Z	L	L1	h				e			
					SDR 17	SDR 11	SDR 9	SDR 7.4	SDR 17	SDR 11	SDR 9	SDR 7.4
					PN10	PN16	PN20	PN25	PN10	PN16	PN20	PN25
mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
200	200.0 - 201.2	270	128	58	32	32	35	38	11.9 - 13.2	18.2 - 20.2	22.4 - 24.8	27.4 - 30.3
225	225.0 - 226.4	270	122	58	32	32	35	38	13.4 - 14.9	20.5 - 22.7	25.2 - 27.9	30.8 - 34.0
250	250.0 - 251.5	320	115	40	35	35	38	40	14.8 - 16.4	22.7 - 25.1	27.9 - 30.8	34.2 - 37.8
280	280.0 - 281.7	320	110	40	39	36	39	41	16.6 - 18.4	25.4 - 28.1	31.3 - 34.6	38.3 - 42.3
315	315.0 - 316.9	370	125	40	38	38	41	43	18.7 - 20.7	28.6 - 31.6	35.2 - 38.9	43.1 - 47.6
355	355.0 - 357.2	430	125	40	42	42	45	47	21.1 - 23.4	32.2 - 35.6	39.7 - 43.8	48.5 - 53.5
400	400.0 - 402.4	480	146	45	48	48	51	53	23.7 - 26.2	36.3 - 40.1	44.7 - 49.3	54.7 - 60.3
450	450.0 - 452.7	535	155	35	50	50	53	55	26.7 - 29.5	40.9 - 45.1	50.3 - 55.5	61.5 - 67.8
500	500.0 - 503.0	585	175	50	50	50	53	55	29.7 - 32.8	45.4 - 50.1	55.8 - 61.5	68.2 - 75.4

NOTE:

- ▶ The tolerance limit for the dimensions (Z, L, L1 & h) will be 5± mm.
- ▶ e = Thickness at the end.
- ▶ SDR 16 - 11 bar water/10 bar gas.
- ▶ This product "Stub Flange" is usually used with G.I. backing ring and an EPDM rubber gasket, the whole assembly is called flange adapter set.
- ▶ Refer to FM & WRAS certificates for more details.
- ▶ Other SDRs and sizes are also available upon request.



Short Stub Flange

Moulded Fittings

(Imperial)

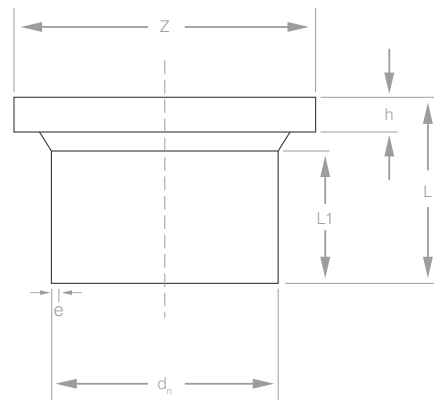
Product Dimensions:

SD-PEMSSF (ANSI/AWWA C906) (PE 100/PE 4710 Long spigot version)

d _n	D	L1	L	h	e			
					DR 11 PC200	DR 9 PC250	DR 7.3 PC317	DR 7 PC335
Inch	Min Inch	Min Inch	Min Inch	Min Inch	Inch	Inch	Inch	Inch
4	6.22	3.50	5.12	0.79	0.41 - 0.46	0.50 - 0.55	0.63 - 0.70	0.64 - 0.72
6	8.35	4.72	6.89	0.98	0.60 - 0.67	0.74 - 0.82	0.92 - 1.03	0.95 - 1.06
8	10.55	4.92	7.99	1.38	0.80 - 0.90	0.96 - 1.07	1.20 - 1.34	1.23 - 1.38
10	12.60	5.12	8.78	1.57	1.00 - 1.10	1.19 - 1.33	1.47 - 1.65	1.54 - 1.72
12	13.39	5.12	9.06	1.57	1.15 - 1.30	1.42 - 1.59	1.75 - 1.96	1.82 - 2.04
14	16.54	6.30	9.33	1.57	1.27 - 1.43	1.56 - 1.74	1.92 - 2.15	2.00 - 2.24
16	18.90	5.51	10.08	1.57	1.45 - 1.63	1.78 - 1.99	2.19 - 2.46	2.29 - 2.56
18	20.87	5.51	10.63	1.77	1.63 - 1.83	2.00 - 2.24	2.47 - 2.76	2.57 - 2.88
20	23.03	5.91	10.71	1.77	1.81 - 2.04	2.22 - 2.49	2.74 - 3.07	2.86 - 3.20

NOTE:

- ▶ e = Thickness at the end.
- ▶ This product "Stub Flange" is usually used with G.I. backing ring and an EPDM rubber gasket, the whole assembly is called flange adapter set.
- ▶ Refer to FM & WRAS certificates for more information.



Short Stub Flange

Moulded Fittings

Miscellaneous Data:

1. Ordering Information

Example: SD-PEMSSF-1-40

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

2. Contact Information

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

MIDDLE EAST & AFRICA	UNITED KINGDOM
Jebel Ali Free Zone, Dubai, UAE P.O Box: 61199 Tel.: +971 4 881 2070 Fax: +971 4 881 2198 Email: shieldme@shielglobal.com	Unit 3, Endeavor Drive, Basildon-Essex, SS3 14WF Tel.: +44 1708 377731 Fax: +44 1708347637 Email: shielduk@shielglobal.com