

Composites USA, Inc. - FRP Fitting Standards

Fitting Style No. 118

Product Class: DG

Order as: #118 - "D"

#118 FxP - "D" for flange by plain end

#118 FxF - "D" for flange by flange end

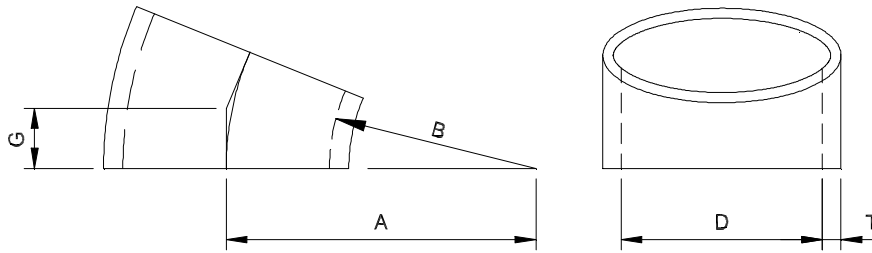
Resin Type: Dual Guard

Project Identification: Standard

Corrosion Allowance: 0.000

**Note: Check for current tooling availability >"D" = 60"
Flanges may interfere on smaller sizes**

22.5° STANDARD RADIUS SWEEP ELBOW



Diameter "D"		Thickness, "T"	Center-Line Radius "A"	Throat Radius "B"	Height "G"
inches	mm				
1	25	0.150	1.5	1	0.30
1 1/2	38	0.150	2.3	1.5	0.45
2	51	0.150	3.0	2	0.60
2 1/2	64	0.150	3.8	2.5	0.75
3	76	0.150	4.5	3	0.89
4	102	0.150	6.0	4	1.19
5	127	0.150	7.5	5	1.49
6	152	0.150	9.0	6	1.79
7	178	0.150	10.5	7	2.09
8	203	0.150	12.0	8	2.39
9	229	0.150	13.5	9	2.68
10	254	0.150	15	10	2.98
12	305	0.150	18	12	3.58
14	356	0.150	21	14	4.17
16	406	0.150	24	16	4.77
18	457	0.150	27	18	5.37
20	508	0.150	30	20	5.96
22	559	0.150	33	22	6.56
24	610	0.190	36	24	7.16
26	660	0.190	39	26	7.75
28	711	0.190	42	28	8.35
30	762	0.190	45	30	8.95
32	813	0.190	48	32	9.54

Diameter "D"		Thickness, "T"	Center-Line Radius "A"	Throat Radius "B"	Height "G"
inches	mm				
34	864	0.190	51	34	10.14
36	914	0.190	54	36	10.74
42	1067	0.260	63	42	12.52
48	1219	0.260	72	48	14.31
54	1372	0.260	81	54	16.10
60	1524	0.260	90	60	17.89
66	1676	0.260	99	66	19.68
72	1829	0.313	108	72	21.47
78	1981	0.350	117	78	23.26
84	2134	0.350	126	84	25.05
90	2286	0.375	135	90	26.84
96	2438	0.375	144	96	28.63
102	2591	0.375	153	102	30.42
108	2743	0.375	162	108	32.21
114	2896	0.375	171	114	34.00
120	3048	0.375	180	120	35.79
126	3200	0.375	189	126	37.57
132	3353	0.375	198	132	39.36
138	3505	0.375	207	138	41.15
144	3658	0.375	216	144	42.94
156	3962	0.375	234	156	46.52
168	4267	0.375	252	168	50.10
180	4572	0.375	270	180	53.68

Composites USA

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