

FIBER REINFORCED PLASTIC FLANGES

Monolithic All Hand Lay-up Construction

Dimensions: **STRAND™** flange, hub, and neck thicknesses meet or exceed ASTM PS 15-69. With the ability to build ASME RTP-1 and ASME Section X flanges on any custom order.

Pressure Rating: Flanges are stocked in 50psi and 150psi. All bolt holes and bolt circles are per ANSI B16.5 150 lb. drilling.

Standard 110 mil Corrosion Liner: 2 Nexus+2 Mat.

Resin: Flanges are stocked in Ineos Signia 411 with MEKP cure. We also have a large inventory of Ineos 470 M flanges.

Not Machined: The nozzle necks and backs of **STRAND™** flanges are not machined.

Resin Coating: All bolt holes and spot facing are resin coated.



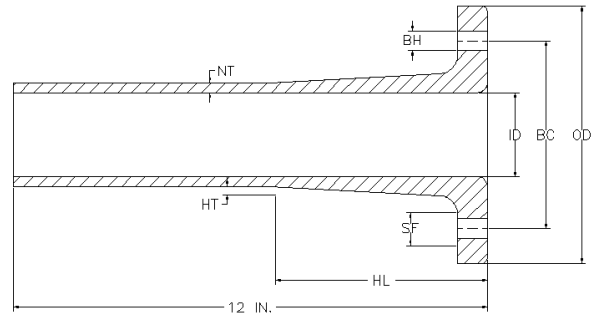
All **STRAND™** flanges 4" and above are of Type II construction, Mat plus alternating layers if 1 1/2 oz Mat and 24 oz Woven..



Custom Flanges: **STRAND™** can assist with all of your flange needs. We will produce custom flanges with all resin/catalyst systems, silica carbide or other additives and can provide engineering support to handle high pressure applications.

We also make and stock Man-ways, Covers, Blind Flanges and Elbows on all standard and custom sizes.

RTP-1 FLANGE DIMENSIONS



Inside Diameter ID(in)	Flange Diameter OD(in)	Flange Thickness FT(in)	Hub Thickness HT(in)	Hub Length HL(in)	Nozzle Thickness NT(in)	Bolt Diameter BC(in)	Bolt Hole BH(in)	Spot Face Diameter SF(in)
50 PSI								
1	4.25	0.5	0.25	2	0.25	3.125	0.625	1.563
1.5	5.5	0.5	0.25	2	0.25	3.875	0.625	1.75
2	6.5	0.563	0.281	2.25	0.25	4.75	0.75	1.75
3	8	0.563	0.281	2.25	0.25	6	0.75	1.75
4	9.5	0.688	0.344	2.75	0.25	7.5	0.75	1.75
6	11.5	0.688	0.344	2.75	0.25	9.5	0.875	2
8	14	0.813	0.406	3.25	0.313	11.75	0.875	2
10	16.5	0.938	0.406	3.75	0.313	14.250	1	2.25
12	19.5	1.063	0.5	4.25	0.313	17	1	2.25
14	21	1.063	0.625	4.5	0.375	18.75	1.125	2.5
16	23.500	1.25	0.625	5	0.375	21.75	1.125	2.5
18	25	1.375	0.688	5.5	0.438	22.75	1.25	2.75
20	27.5	1.5	0.75	6	0.438	25	1.25	2.75
24	32	1.625	0.813	6.5	0.5	29.5	1.375	3
150 PSI								
1	4.25	0.688	0.344	2.75	0.25	3.125	0.625	1.25
1.5	5.5	0.688	0.344	2.75	0.25	3.875	0.625	1.25
2	6.5	0.75	0.375	3	0.25	4.75	0.75	1.5
3	8	0.875	0.438	3.5	0.313	6	0.75	1.5
4	9.500	1	0.5	4	0.313	7.5	0.75	1.5
6	11.5	1.125	0.563	4.5	0.438	9.5	0.875	1.75
8	14	1.3125	0.656	5.25	0.5	11.75	0.875	1.75
10	16.5	1.5	0.75	6	0.563	14.25	1	2
12	19.5	1.875	0.938	7.5	0.688	17	1	2
14	21	2	1	8	0.813	18.75	1.125	2.5
16	23.5	2.25	1.125	9	1	21.25	1.125	2.5
18	25	2.25	1.125	9	1.063	22.75	1.25	2.75
20	27.5	2.375	1.188	9.5	1.188	25	1.25	2.75
24	32	2.75	1.375	11	1.4375	29.5	1.375	3

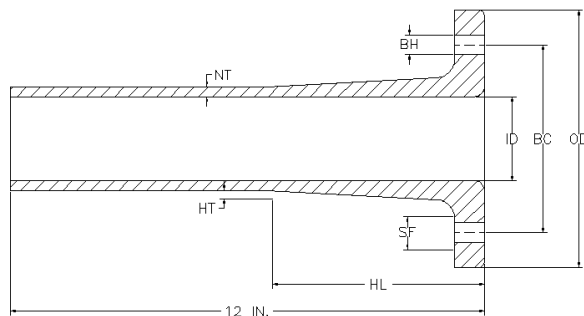
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PS15-69 FLANGE DIMENSIONS

Custom Corrosion Barriers - If Corrosion Barrier Exceeds 100 mils, add 100 mils to overall thickness



Inside Diameter ID(in)	Flange Diameter OD(in)	Flange Thickness FT(in)	Hub Thickness HT(in)	Hub Length HL(in)	Nozzle Thickness NT(in)	Bolt Diameter BC(in)	Bolt Hole BH(in)	Spot Face Diameter SF(in)
50 PSI								
1	4.250	0.500	0.250	2.000	0.188	3.125	0.625	1.563
1.5	5.500	0.500	0.250	2.000	0.188	3.875	0.625	1.750
2	6.500	0.500	0.281	2.250	0.188	4.750	0.750	1.750
3	8.000	0.500	0.281	2.250	0.188	6.000	0.750	1.750
4	9.500	0.563	0.344	2.750	0.188	7.500	0.750	1.750
6	11.500	0.625	0.344	2.750	0.188	9.500	0.875	2.000
8	14.000	0.750	0.406	3.250	0.250	11.750	0.875	2.000
10	16.500	0.875	0.406	3.750	0.250	14.250	1.000	2.250
12	19.500	1.000	0.500	4.250	0.250	17.000	1.000	2.250
14	21.000	1.063	0.625	4.50	0.313	18.750	1.125	2.500
16	23.500	1.188	0.625	5.000	0.313	21.750	1.125	2.500
18	25.000	1.250	0.688	5.500	0.375	22.750	1.250	2.750
20	27.500	1.313	0.750	6.000	0.375	25.000	1.250	2.750
24	32.000	1.500	0.813	6.500	0.438	29.500	1.375	3.000
150 PSI								
1	4.250	0.688	0.344	2.750	0.188	3.125	0.625	1.250
1.5	5.500	0.688	0.344	2.750	0.188	3.875	0.625	1.250
2	6.500	0.688	0.375	3.000	0.188	4.750	0.750	1.500
3	8.000	0.813	0.438	3.500	0.250	6.000	0.750	1.500
4	9.500	0.938	0.500	4.000	0.250	7.500	0.750	1.500
6	11.500	1.063	0.563	4.500	0.375	9.500	0.875	1.750
8	14.000	1.250	0.656	5.250	0.438	11.750	0.875	1.750
10	16.500	1.438	0.750	6.000	0.500	14.250	1.000	2.000
12	19.500	1.750	0.938	7.500	0.625	17.000	1.000	2.000
14	21.000	1.875	1.000	8.000	0.750	18.750	1.125	2.500
16	23.500	2.125	1.125	9.000	0.875	21.250	1.125	2.500
18	25.000	2.125	1.125	9.000	1.000	22.750	1.250	2.750
20	27.500	2.250	1.188	9.500	1.063	25.000	1.250	2.750
24	32.000	2.625	1.375	11.000	1.375	29.500	1.375	3.000

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