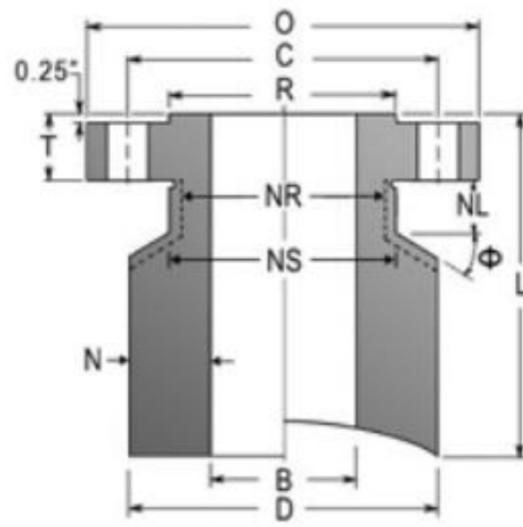
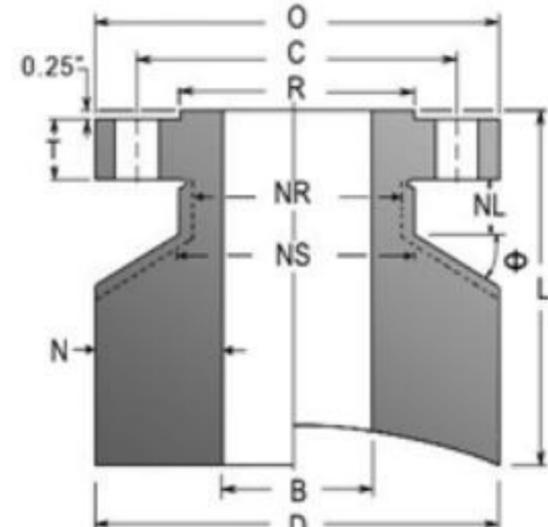


INTERMEDIATE BARREL "1 1/2"



INTERMEDIATE BARREL "1 2"



INTERMEDIATE BARREL "1 3"

(enlarge)

(enlarge)

(enlarge)

Nom Size	Flange O.D.	Flange Thick.	RF O.D.	Barrel O.D.			Bore	Neck Thickness			Bolting		Nut			Stud Bolt			Weights						Length Base	
				l ₁	l ₂	l ₃		l ₁	l ₂	l ₃	No. of Holes	Hole Size	Bolt Circle	Stop Dia.	Relief Dia.	Relief Length	Size	RF Length	RTJ Length	l ₁		l ₂		l ₃		
				D	D	D		N	N	N	C	NS	NR	NL	Base	Per 1"	Base	Per 1"	Base	Per 1"	Base	Per 1"	L			
1	5.88	1.12	2.00	3.25	4.00	4.62	0.96	1.15	1.52	1.83	4	1.00	4.00	2.56	2.12	1.12	.88	5	5	29	2.2	41	3.4	51	4.6	12
1 1/2	7.00	1.25	2.88	4.00	5.50	6.00	1.50	1.25	2.00	2.25	4	1.12	4.88	3.25	2.75	1.25	1	5.50	5.50	43	3.1	71	6.2	82	7.5	12
2	8.50	1.50	3.62	5.50	6.00	7.00	1.94	1.78	2.03	2.53	8	1.00	6.50	5.06	4.12	1.12	.88	5.75	5.75	80	5.9	92	7.2	117	10.1	12
2 1/2	9.62	1.62	4.12	6.38	7.00	8.25	2.32	2.03	2.34	2.97	8	1.12	7.50	5.88	4.88	1.25	1	6.25	6.25	107	8.0	123	10	158	14	12
3	9.50	1.50	5.00	7.00	7.75	8.25	2.90	2.05	2.43	2.68	8	1.00	7.50	6.06	5.00	1.12	.88	5.75	5.75	114	9.0	136	12	151	13	12
4	11.50	1.75	6.19	8.88	9.88	10.38	3.83	2.53	3.03	3.28	8	1.25	9.25	7.44	6.25	1.38	1.13	6.75	6.75	177	14	211	18	228	21	12
5	13.75	2.00	7.31	10.38	11.00	12.12	4.81	2.79	3.10	3.66	8	1.38	11.00	9.00	7.50	1.50	1.25	7.50	7.50	242	19	265	22	309	28	12
6	15.00	2.19	8.50	11.00	12.12	13.50	5.76	2.62	3.18	3.87	12	1.25	12.50	10.69	9.25	1.38	1.13	7.50	7.75	271	20	317	25	377	33	12
8	18.50	2.50	10.62	15.12	16.25	17.38	7.62	3.75	4.32	4.88	12	1.50	15.50	13.31	11.75	1.62	1.38	8.75	8.75	474	38	528	46	584	54	12
10	21.50	2.75	12.75	17.38	18.25	20.12	9.56	3.91	4.35	5.28	16	1.50	18.50	16.31	14.50	1.62	1.38	9.25	9.25	804	47	880	54	1049	70	16
12	24.00	3.12	15.00	20.12	22.25	23.25	11.38	4.37	5.44	5.94	20	1.50	21.00	18.81	16.50	1.62	1.38	10	10	1038	61	1245	81	1345	92	16
14	25.25	3.38	16.25	22.25	23.25	24.12	14.00	4.13	4.63	5.06	20	1.62	22.00	19.62	17.75	1.75	1.50	10.75	11	1068	67	1166	77	1254	86	16
16	27.75	3.50	18.50	23.25	25.00	26.50	16.00	3.63	4.50	5.25	20	1.75	24.25	21.69	20.00	1.88	1.63	11.25	11.50	1100	63	1282	82	1451	99	16
18	31.00	4.00	21.00	26.00	27.75	29.25	18.00	4.00	4.88	5.62	20	2.00	27.00	24.06	22.25	2.12	1.88	12.75	13.25	1365	78	1555	99	1715	118	16
20	33.75	4.25	23.00	27.75	30.75	32.00	20.00	3.88	5.38	6.00	20	2.12	29.50	26.38	24.50	2.25	2	13.75	14.25	1525	82	1857	121	1994	139	16
24	41.00	5.50	27.25	33.62	35.00	36.00	24.00	4.81	5.50	6.00	20	2.62	35.50	31.62	29.50	2.75	2.50	17.25	18	2360	123	2515	144	2625	160	16

Codes: All connections are manufactured in compliance with ASME Section II, Section VIII, Div. 1, and ASME B16.5. Products may be ordered to special requirements or other standard codes such as ASME Section I, III and Section VIII, Div. 2, ASME B31.1 and B16.47 Series A&B, API and ASTM.

Materials: SA 105 in accordance with ASME Section II. Other material grades and compositions available upon request. See technical section.

Bores: Bore sizes listed are standard, smaller or larger bores are available upon request.

Facing: The flange thickness "T" excludes 0.25 inch raised face per ASME B16.5. This differs on Class 150 and 300. Special facing can be supplied as needed upon request.

Nut Relief: All connections except standard LWN's will be supplied with a "nut stop O.D." unless a "nut relief O.D." is specified.

Lengths: Listed lengths are standards used for base weight calculations. Other lengths are available upon request.

Φ 30° Sect VIII DIV 1 • 45° Sect VIII DIV 2