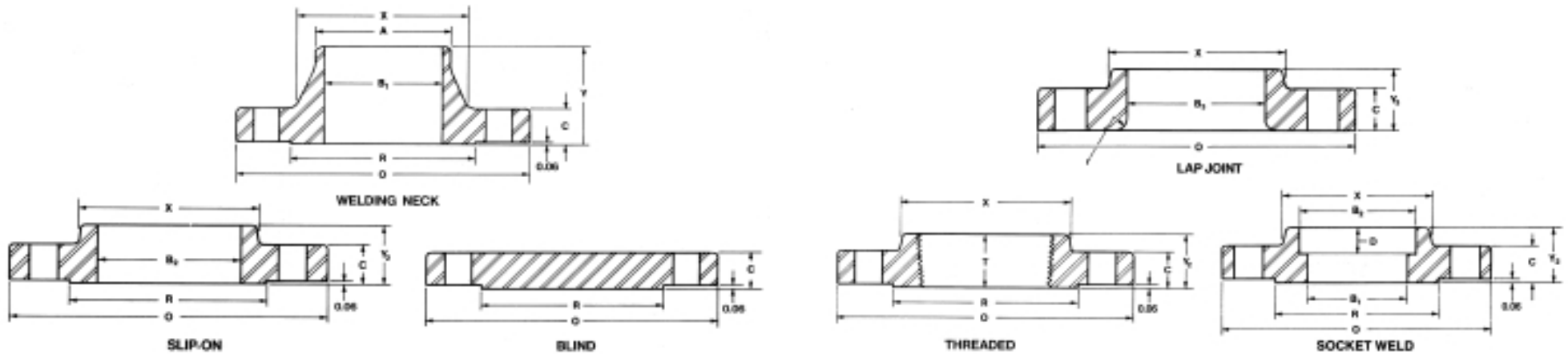


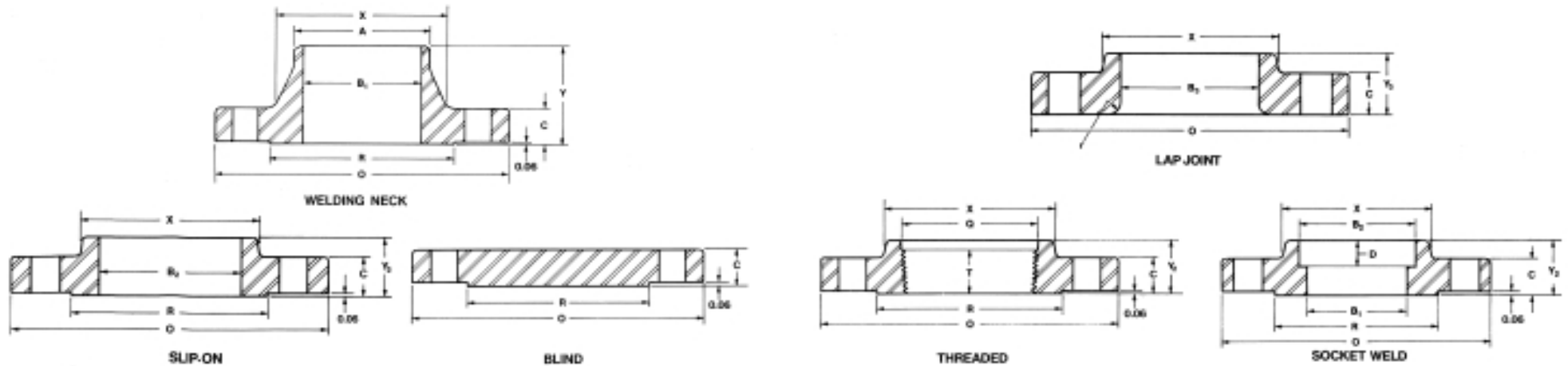
ANSI CLASS 150



Nominal Size	Common Dimensions				Bore			Length Through Hub			Depth of Socket D	Dia. Hub at Bevel A	Filet Radius r	Drilling		
	Out-side Dia. O	Thk. C	Raised Face Dia. R	Hub Dia. X	Welding* Neck Socket B ₁	Slip-on Socket B ₂	Lap Joint B ₃	Welding Neck Y ₁	Slip-on Threaded Socket Y _{2, T}	Lap Joint Y ₃				Bolt Circle	Dia. Holes	No. Holes
1/2	3.50	0.44	1.38	1.19	0.62	0.88	0.90	1.88	0.63	0.63	0.38	0.84	0.13	2.38	0.63	4
3/4	3.88	0.50	1.69	1.50	0.82	1.09	1.11	2.06	0.63	0.63	0.44	1.05	0.13	2.75	0.63	4
1	4.25	0.56	2.00	1.94	1.05	1.36	1.38	2.19	0.69	0.69	0.50	1.32	0.13	3.13	0.63	4
1 1/4	4.63	0.63	2.50	2.31	1.38	1.70	1.72	2.25	0.81	0.81	0.56	1.66	0.19	3.50	0.63	4
1 1/2	5.00	0.69	2.88	2.56	1.61	1.95	1.97	2.44	0.88	0.88	0.63	1.90	0.25	3.88	0.63	4
2	6.00	0.75	3.63	3.06	2.07	2.44	2.46	2.50	1.00	1.00	0.69	2.38	0.31	4.75	0.75	4
2 1/2	7.00	0.88	4.13	3.56	2.47	2.94	2.97	2.75	1.13	1.13	0.75	2.88	0.31	5.50	0.75	4
3	7.50	0.94	5.00	4.25	3.07	3.57	3.60	2.75	1.19	1.19	0.81	3.50	0.38	6.00	0.75	4
3 1/2	8.50	0.94	5.50	4.81	3.55	4.07	4.10	2.81	1.25	1.25	0.88	4.00	0.38	7.00	0.75	8
4	9.00	0.94	6.19	5.31	4.03	4.57	4.60	3.00	1.31	1.31	0.94	4.50	0.44	7.50	0.75	8
5	10.00	0.94	7.31	6.44	5.05	5.66	5.69	3.50	1.44	1.44	0.94	5.56	0.44	8.50	0.88	8
6	11.00	1.00	8.50	7.56	6.07	6.72	6.75	3.50	1.56	1.56	1.06	6.63	0.50	9.50	0.88	8
8	13.50	1.13	10.63	9.69	7.98	8.72	8.75	4.00	1.75	1.75	1.25	8.63	0.50	11.75	0.88	8
10	16.00	1.19	12.75	12.00	10.02	10.88	10.92	4.00	1.94	1.94	1.31	10.75	0.50	14.25	1.00	12
12	19.00	1.25	15.00	14.38	12.00	12.88	12.92	4.50	2.19	2.19	1.56	12.75	0.50	17.00	1.00	12
14	21.00	1.38	16.25	15.75	13.25	14.14	14.18	5.00	2.25	3.13	1.63	14.00	0.50	18.75	1.13	12
16	23.50	1.44	18.50	18.00	15.25	16.16	16.19	5.00	2.50	3.44	1.75	16.00	0.50	21.25	1.13	16
18	25.00	1.56	21.00	19.88	17.25	18.18	18.20	5.50	2.69	3.81	1.94	18.00	0.50	22.75	1.25	16
20	27.50	1.69	23.00	22.00	19.25	20.20	20.25	5.69	2.88	4.06	2.13	20.00	0.50	25.00	1.25	20
22	29.50	1.81	25.25	24.25	21.25	22.22	22.25	5.88	3.13	4.25	2.38	22.00	0.50	27.25	1.38	20
24	32.00	1.88	27.25	26.13	23.25	24.25	24.25	6.00	3.25	4.38	2.50	24.00	0.50	29.50	1.38	20

*Bore size listed is std. base

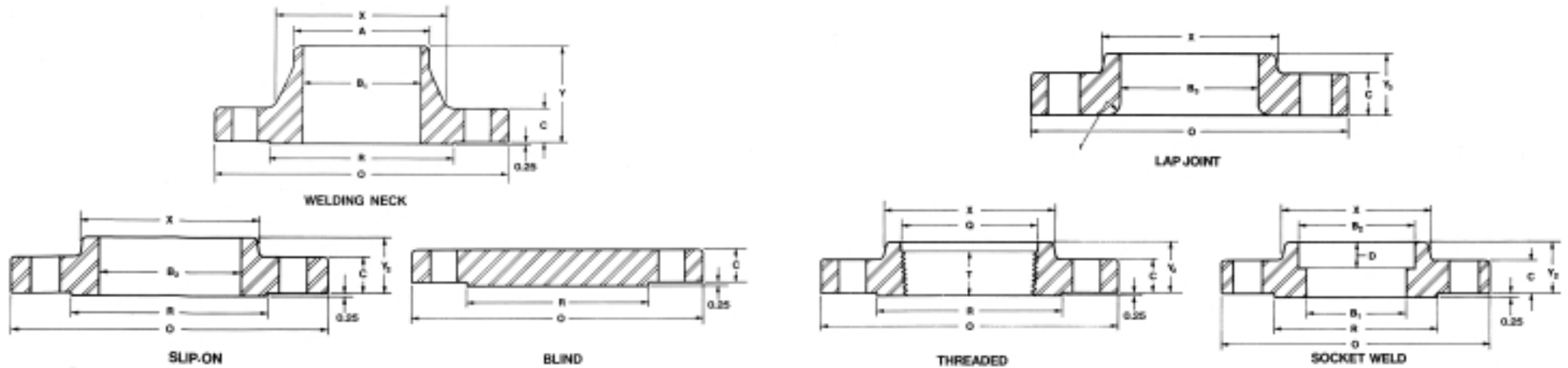
ANSI CLASS 300



Nominal Size	Common Dimensions				Bore			Length Through Hub			Min. Thread Length T	Depth of Socket D	Dia. Hub at Bevel A	Fillet Radius r	Drilling		
	Out-side Dia. O	Thk. C	Raised Face Dia. R	Hub Dia. X	Welding* Neck Socket B1	Slip-on Socket B2	Lap Joint B3	Welding Neck Y1	Slip-on Threaded Socket Y2, T	Lap Joint Y3					Bolt Circle	Dia. Holes	No. Holes
1/2	3.75	0.56	1.38	1.50	0.62	0.88	0.90	2.06	0.88	0.88	0.63	0.38	0.84	0.13	2.63	0.63	4
3/4	4.63	0.63	1.69	1.88	0.82	1.09	1.11	2.25	1.00	1.00	0.63	0.44	1.05	0.13	3.25	0.75	4
1	4.88	0.69	2.00	2.13	1.05	1.36	1.38	2.44	1.06	1.06	0.69	0.50	1.32	0.13	3.50	0.75	4
1 1/4	5.25	0.75	2.50	2.50	1.38	1.70	1.72	2.56	1.06	1.06	0.81	0.56	1.66	0.19	3.88	0.75	4
1 1/2	6.13	0.81	2.88	2.75	1.61	1.95	1.97	2.69	1.19	1.19	0.88	0.63	1.90	0.25	4.50	0.88	4
2	6.50	0.88	3.63	3.31	2.07	2.44	2.46	2.75	1.31	1.31	1.13	0.69	2.38	0.31	5.00	0.75	8
2 1/2	7.50	1.00	4.13	3.94	2.47	2.94	2.97	3.00	1.50	1.50	1.25	0.75	2.88	0.31	5.88	0.88	8
3	8.25	1.13	5.00	4.63	3.07	3.57	3.60	3.13	1.69	1.69	1.25	0.81	3.50	0.38	6.63	0.88	8
3 1/2	9.00	1.19	5.50	5.25	3.55	4.07	4.10	3.19	1.75	1.75	1.44	—	4.00	0.38	7.25	0.88	8
4	10.00	1.25	6.19	5.75	4.03	4.57	4.60	3.38	1.88	1.88	1.44	—	4.50	0.44	7.88	0.88	8
5	11.00	1.38	7.31	7.00	5.05	5.66	5.69	3.88	2.00	2.00	1.69	—	5.56	0.44	9.25	0.88	8
6	12.50	1.44	8.50	8.13	6.07	6.72	6.75	3.88	2.06	2.06	1.81	—	6.63	0.50	10.63	0.88	12
8	15.00	1.63	10.63	10.25	7.98	8.72	8.75	4.38	2.44	2.44	2.00	—	8.63	0.50	13.00	1.00	12
10	17.50	1.88	12.75	12.63	10.02	10.88	10.92	4.63	2.63	3.75	2.19	—	10.75	0.50	15.25	1.13	16
12	20.50	2.00	15.00	14.75	12.00	12.88	12.92	5.13	2.88	4.00	2.38	—	12.75	0.50	17.75	1.25	16
14	23.00	2.13	16.25	16.75	13.25	14.14	14.18	5.63	3.00	4.38	2.50	—	14.00	0.50	20.25	1.25	20
16	25.50	2.25	18.50	19.00	15.25	16.16	16.19	5.75	3.25	4.75	2.69	—	16.00	0.50	22.50	1.38	20
18	28.00	2.38	21.00	21.00	17.25	18.18	18.20	6.25	3.50	5.13	2.75	—	18.00	0.50	24.75	1.38	24
20	30.50	2.50	23.00	23.13	19.25	20.20	20.25	6.38	3.75	5.50	2.88	—	20.00	0.50	27.00	1.38	24
22	33.00	2.63	25.25	25.25	21.25	22.22	22.25	6.50	4.00	5.75	3.13	—	24.00	0.50	29.25	1.63	24
24	36.00	2.75	27.25	27.63	23.25	24.25	24.25	6.63	4.19	6.00	3.25	—	24.00	0.50	32.00	1.63	24

*Bore size listed is std. base

ANSI CLASS 600



Nominal Size	Common Dimensions				Bore			Length Through Hub			Drilling						
	Outside Dia. O	Thk. C	Raised Face Dia. R	Hub Dia. X	Welding Neck Socket B1	Slip-on Socket B2	Lap Joint B3	Welding Neck Y1	Slip-on Threaded Socket Y2, T	Lap Joint Y3	Min. Thread Length T	Depth of Socket D	Dia. Hub at Bevel A	Fillet Radius r	Bolt Circle	Dia. Holes	No. Holes
1/2	3.75	0.56	1.38	1.50		0.88	0.90	2.06	0.88	0.88	0.63	0.38	0.84	0.13	2.63	0.63	4
3/4	4.63	0.63	1.69	1.88		1.09	1.11	2.25	1.00	1.00	0.63	0.44	1.05	0.13	3.25	0.75	4
1	4.88	0.69	2.00	2.13		1.36	1.38	2.44	1.06	1.06	0.69	0.50	1.32	0.13	3.50	0.75	4
1 1/4	5.25	0.81	2.50	2.50		1.70	1.72	2.63	1.13	1.13	0.81	0.56	1.66	0.19	3.88	0.75	4
1 1/2	6.13	0.88	2.88	2.75	To be specified by purchaser.	1.95	1.97	2.75	1.25	1.25	0.88	0.63	1.90	0.25	4.50	0.88	4
2	6.50	1.00	3.63	3.31		2.44	2.46	2.88	1.44	1.44	1.13	0.69	2.38	0.31	5.00	0.75	8
2 1/2	7.50	1.13	4.13	3.94		2.94	2.97	3.13	1.63	1.63	1.25	0.75	2.88	0.31	5.88	0.88	8
3	8.25	1.25	5.00	4.63		3.57	3.60	3.25	1.81	1.81	1.38	0.81	3.50	0.38	6.63	0.88	8
3 1/2	9.00	1.38	5.50	5.25		4.07	4.10	3.38	1.94	1.94	1.56	—	4.00	0.38	7.25	1.00	8
4	10.75	1.50	6.19	6.00		4.57	4.60	4.00	2.13	2.13	1.63	—	4.50	0.44	8.50	1.00	8
5	13.00	1.75	7.31	7.44		5.66	5.69	4.50	2.38	2.38	1.88	—	5.56	0.44	10.50	1.13	8
6	14.00	1.88	8.50	8.75		6.72	6.75	4.63	2.63	2.63	2.00	—	6.63	0.50	11.50	1.13	12
8	16.50	2.19	10.63	10.75		8.72	8.75	5.25	3.00	3.00	2.25	—	8.63	0.50	13.75	1.25	12
10	20.00	2.50	12.75	13.50		10.88	10.92	6.00	3.38	4.38	2.56	—	10.75	0.50	17.00	1.38	16
12	22.00	2.63	15.00	15.75		12.88	12.92	6.13	3.63	4.63	2.75	—	12.75	0.50	19.25	1.38	20
14	23.75	2.75	16.25	17.00		14.14	14.18	6.50	3.69	5.00	2.88	—	14.00	0.50	20.75	1.50	20
16	27.00	3.00	18.50	19.50		16.16	16.19	7.00	4.19	5.50	3.06	—	16.00	0.50	23.75	1.63	20
18	29.25	3.25	21.00	21.50		18.18	18.20	7.25	4.63	6.00	3.13	—	18.00	0.50	25.75	1.75	20
20	32.00	3.50	23.00	24.00		20.20	20.25	7.50	5.00	6.50	3.25	—	20.00	0.50	28.50	1.75	24
22	34.25	3.75	25.25	26.25		22.22	22.25	7.75	5.25	6.88	—	—	22.00	0.50	30.63	1.88	24
24	37.00	4.00	27.25	28.25		24.25	24.25	8.00	5.50	7.25	3.63	—	24.00	0.50	33.00	2.00	24