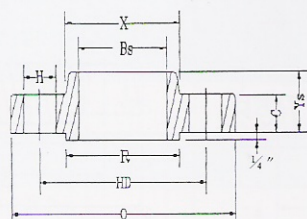
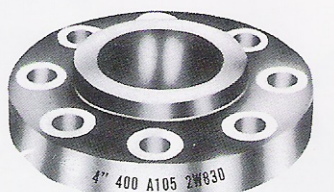


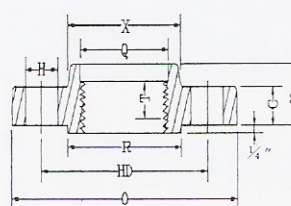


400 lb. ANSI B16.5 FORGED FLANGES

SLIP-ON



SCREWED



NOMINAL PIPE SIZE	COMMON DIMENSIONS				DIA. OF HUB AT BEVEL A	LENGTH THRU HUB			DIA. OF BORE		
	OUTSIDE DIA. OF FLANGE D	THICK. OF FLANGE C	DIA. OF HUB AT BASE X	DIA. OF RAISED FACE R		SLIP-ON, SCREWED, Y _s	WELDING NECK Y _w	LAP JOINT Y _l	SLIP-ON, B _s	WELDING NECK, B _w	LAP JOINT B _l
1	1/2	3 3/4	9/16	1 1/2	1 3/8	.84	7/8	2 1/16	7/8	.88	.90
	3/4	4 5/8	5/8	1 7/8	1 11/16	1.05	1	2 1/4	1	1.09	1.11
	4	7/8	11/16	2 1/8	2	1.32	1 1/16	2 7/16	1 1/16	1.36	1.38
1 1/4	5 1/4	13/16	2 1/2	2 1/2	1.66	1 1/8	2 5/8	1 1/8	1.70		1.72
1 1/2	6 1/8	7/8	2 3/4	2 7/8	1.90	1 1/4	2 3/4	1 1/4	1.95		1.97
2	6 1/2	1	3 5/16	3 5/8	2.38	1 7/16	2 7/8	1 7/16	2.44		2.46
2 1/2	7 1/2	1 1/8	3 15/16	4 1/8	2.88	1 5/8	3 1/8	1 5/8	2.94	To be specified by purchaser	2.97
3	8 1/4	1 1/4	4 5/8	5	3.50	1 13/16	3 1/4	1 13/16	3.57		3.60
3 1/2	9	1 3/8	5 1/4	5 1/2	4.00	1 15/16	3 3/8	1 15/16	4.07		4.10
4	10	1 3/8	5 3/4	6 3/16	4.50	2	3 1/2	2	4.57		4.60
5	11	1 1/2	7	7 5/16	5.56	2 1/8	4	2 1/8	5.66		5.69
6	12 1/2	1 5/8	8 1/8	8 1/2	6.63	2 1/4	4 1/16	2 1/4	6.72		6.75
8	15	1 7/8	10 1/4	10 5/8	8.63	2 11/16	4 5/8	2 11/16	8.72		8.75
10	17 1/2	2 1/8	12 5/8	12 3/4	10.75	2 7/8	4 7/8	4	10.88		10.92
12	20 1/2	2 1/4	14 3/4	15	12.75	3 1/8	5 3/8	4 1/4	12.88		12.92
14	23	2 3/8	16 3/4	16 1/4	14.00	3 5/16	5 7/8	4 5/8	14.14		14.18
16	25 1/2	2 1/2	19	18 1/2	16.00	3 11/16	6	5	16.16		16.19
18	28	2 5/8	21	21	18.00	3 7/8	6 1/2	5 3/8	18.18		18.20
20	30 1/2	2 3/4	23 1/8	23	20.00	4	6 5/8	5 3/4	20.20		20.25
24	36	3	27 5/8	27 1/4	24.00	4 1/2	6 7/8	6 1/4	24.25		24.25

* Material: To be specified when ordering. See Page 29.

* Dimensional Tolerances: See Page 27

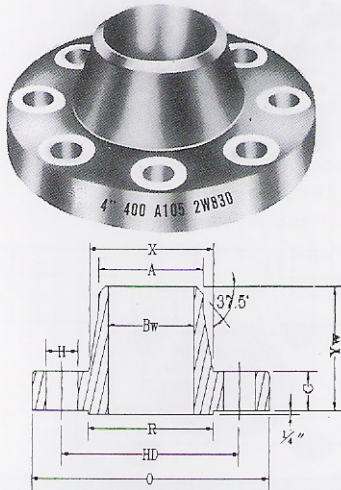
* Facing Details of Ring Joint: See Page 20-21



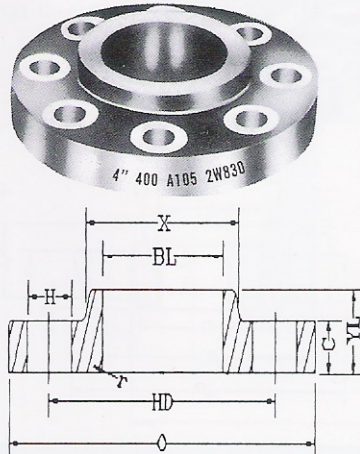
ANSI B16.5 FORGED FLANGES

400 lb.

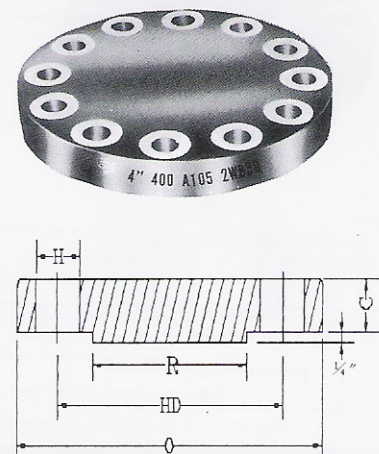
WELDING NECK



LAP JOINT



BLIND



DIMENSIONS IN INCHES

RADIUS OF FILLET r	MINIMUM THREAD LENGTH T	DEPTH OF SOCKET D	DRILLING				LENGTH OF STUD BOLTS			COUNTER BORE SCREWED FLANGE MIN Q	NOMINAL PIPE SIZE
			DIA. OF BOLT CIRCLE HD	NUMBER OF BOLTS	DIA. OF BOLTS	DIA. OF BOLT HOLES H	1/4" RAISED FACE	RING JOINT	MALE & FEMALE ALSO TONGUE & GROOVE		
1/8	5/8	—	2 5/8	4	1/2	5/8	3	3	2 3/4	0.93	1/2
1/8	5/8	—	3 1/4	4	5/8	3/4	3 1/4	3 1/4	3	1.14	3/4
1/8	11/16	—	3 1/2	4	5/8	3/4	3 1/2	3 1/2	3 1/4	1.41	1
3/16	13/16	—	3 7/8	4	5/8	3/4	3 3/4	3 3/4	3 1/2	1.75	1 1/4
1/4	7/8	—	4 1/2	4	3/4	7/8	4	4	3 3/4	1.99	1 1/2
5/16	1 1/8	—	5	8	5/8	3/4	4	4 1/4	3 3/4	2.50	2
5/16	1 1/4	—	5 7/8	8	3/4	7/8	4 1/2	4 3/4	4 1/4	3.00	2 1/2
3/8	1 3/8	—	6 5/8	8	3/4	7/8	4 3/4	5	4 1/2	3.63	3
3/8	1 9/16	—	7 1/4	8	7/8	1	5 1/4	5 1/2	5	4.13	3 1/2
7/16	1 7/16	—	7 7/8	8	7/8	1	5 1/4	5 1/2	5	4.63	4
7/16	1 11/16	—	9 1/4	8	7/8	1	5 1/2	5 3/4	5 1/4	5.69	5
1/2	1 13/16	—	10 5/8	12	7/8	1	5 3/4	6	5 1/2	6.75	6
1/2	2	—	13	12	1	1 1/8	6 1/2	6 3/4	6 1/4	8.75	8
1/2	2 3/16	—	15 1/4	16	1 1/8	1 1/4	7 1/4	7 1/2	7	10.88	10
1/2	2 3/8	—	17 3/4	16	1 1/4	1 3/8	7 3/4	8	7 1/2	12.94	12
1/2	2 1/2	—	20 1/4	20	1 1/4	1 3/8	8	8 1/4	7 3/4	14.19	14
1/2	2 11/16	—	22 1/2	20	1 3/8	1 1/2	8 1/2	8 3/4	8 1/4	16.19	16
1/2	2 3/4	—	24 3/4	24	1 3/8	1 1/2	8 3/4	9	8 1/2	18.19	18
1/2	2 7/8	—	27	24	1 1/2	1 5/8	9 1/2	9 3/4	9 1/4	20.19	20
1/2	3 1/4	—	32	24	1 3/4	1 7/8	10 1/2	11	10 1/4	24.19	24

• The 1/4" Raised Face is Not included in Thickness C, Length Y

or Thread Length T