

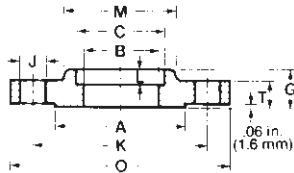
NPS	DN	FLANGE OUTSIDE DIAMETER O	FLANGE <sup>2</sup> THICKNESS MIN. T	RAISED FACE DIA. A	BORE			LENGTH TRU HUB <sup>2</sup>		
					WELDING NECK & SOCKET WELDING B <sup>3</sup>	SLIP-ON & SOCKET WELD SOCKET MIN. C	LAP JOINT MIN. D	WELDING NECK F	SLIP-ON, THREADED & SOCK. WELD G	LAP JOINT H
1/2	15	3.50	.44	1.38	.62	.88	.90	1.88	.62	.62
3/4	20	3.88	.50	1.69	.82	1.09	1.11	2.06	.62	.62
1	25	4.25	.56	2.00	1.05	1.36	1.38	2.19	.69	.69
1 1/4	32	4.62	.62	2.50	1.38	1.70	1.72	2.25	.81	.81
1 1/2	40	5.00	.69	2.88	1.61	1.95	1.97	2.44	.88	.88
2	50	6.00	.75	3.62	2.07	2.44	2.46	2.50	1.00	1.00
2 1/2	65	7.00	.88	4.12	2.47	2.94	2.97	2.75	1.12	1.12
3	80	7.50	.94	5.00	3.07	3.57	3.60	2.75	1.19	1.19
3 1/2	90	8.50	.94	5.50	3.55	4.07	4.10	2.81	1.25	1.25
4	100	9.00	.94	61.9	4.03	4.57	4.60	3.00	1.31	1.31
5	125	10.00	.94	7.31	5.05	5.66	5.69	3.50	1.44	1.44
6	150	11.00	1.00	8.50	6.07	6.72	6.75	3.50	1.56	1.56
8	200	13.50	1.12	10.62	7.98	8.72	8.75	4.00	1.75	1.75
10	250	16.00	1.19	12.75	10.02	10.88	10.92	4.00	1.94	1.94
12	300	19.00	1.25	15.00	12.00	12.88	12.92	4.50	2.19	2.19
14	350	21.00	1.38	16.25	To be specified by purchaser	14.14	14.18	5.00	2.25	3.12
16	400	23.50	1.44	18.50		359.2	360.2	127.0	57	79
18	450	25.00	1.56	21.00		16.16	16.19	5.00	2.50	3.44
20	500	27.50	1.69	23.00		410.4	411.2	127.0	64	87
24	600	32.00	1.88	27.25		18.18	18.20	5.50	2.69	3.81
						461.8	462.3	139.7	68	97
						20.20	20.25	5.69	2.88	4.06
						513.1	514.3	144.5	73	103
						24.25	24.25	6.00	3.25	4.38
						615.9	615.9	152.4	83	111

<sup>1</sup> Socket Welding Flanges, sizes NPS 3 1/2 (DN 90) and larger are not covered by ASME/ANSI B16.5.

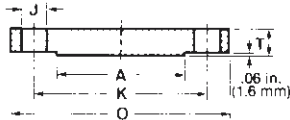
<sup>2</sup> Includes .06" (1.6 mm) raised face.

<sup>3</sup> These dimensions correspond to inside diameters of pipe as given in ANSI/ASME B36.10M for Standard Wall Pipe. Thickness of Standard Wall is the same as Schedule 40 in size NPS 10 (DN 250) and smaller.

SOCKET WELDING



BLIND



# CLASS 150 (PN20) FLANGES FORGED STEEL ASTM A-105 ASME/ANSI B16.5

NPS	DN	DRILLING			DEPTH OF SOCKET L	DIAMETER OF HUB		LAP JOINT FILLET RADIUS r	APPROXIMATE WEIGHT			
		NO. OF HOLES	DIA. OF HOLES J	DIA. OF BOLT CIRCLE K		AT BASE M	AT CHAMFER N		WELDING NECK	SLIP-ON, THREADED & SOCKET WELDING <sup>1</sup>	BLIND	LAP JOINT
1/2	15	4	.62	2.38	.38	1.19	.84	.12	2	1	1	1
3/4	20	4	.62	2.75	.44	1.50	1.05	.12	2	2	2	2
1	25	4	.62	3.12	.50	1.94	1.32	.12	3	2	2	2
1 1/4	32	4	.62	3.50	.56	2.31	1.66	.19	3	3	3	3
1 1/2	40	4	.62	3.88	.62	2.56	1.90	.25	4	3	4	3
2	50	4	.75	4.75	.69	3.06	2.38	.31	6	5	5	5
2 1/2	65	4	.75	5.50	.75	3.56	2.88	.31	8	7	7	7
3	80	4	.75	6.00	.81	4.25	3.50	.38	10	8	9	8
3 1/2	90	8	.75	7.00	-	4.81	4.00	.38	12	11	13	11
4	100	8	.75	7.50	-	5.31	4.50	.44	15	13	17	13
5	125	8	.88	8.50	-	6.44	5.56	.44	19	15	20	15
6	150	8	.88	9.50	-	7.56	6.63	.50	24	19	26	19
8	200	8	.88	11.75	-	9.69	8.63	.50	39	30	45	30
10	250	12	1.00	14.25	-	12.00	10.75	.50	52	43	70	43
12	300	12	1.00	17.00	-	14.38	12.75	.50	80	64	110	64
14	350	12	1.12	18.75	-	15.75	14.00	.50	110	90	140	105
16	400	16	1.12	21.25	-	18.00	16.00	.50	140	98	180	140
18	450	16	1.25	22.75	-	19.88	18.00	.50	150	130	220	160
20	500	20	1.25	25.00	-	22.00	20.00	.50	180	165	285	195
24	600	20	1.38	29.50	-	26.12	24.00	.50	260	220	430	275
		20	35	749.3	-	663.6	609.6	13	118	99.8	195.0	125.0

POUNDS

KILOGRAMS