

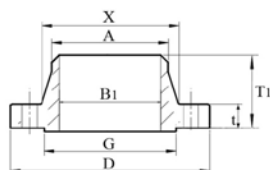
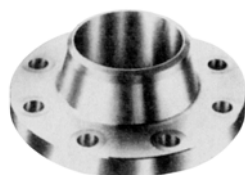
法兰

Flanges

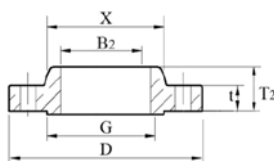


重量及尺寸

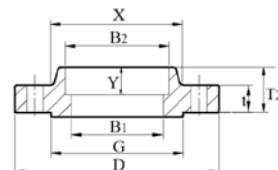
Weight and Dimension



Welding Neck



Slip-on



Socket Welding

Dimensions in mm

Class 150

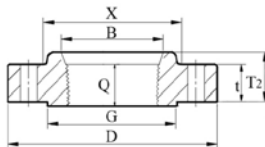
Nominal Pipe Size	Outside Diam. of Flange	Minimum Thickness of Flange	Minimum Thickness Lap Joint	O.D. of Raised Face	Diam. of Hub	Bore			Length Through Hub			Diam. of Hub at Bevel	Coner Bore Radius of Lapped Flange and Pipe	Minimum Thread Length, Threaded Flange	Depth of Socket
						Welding Neck/ Socket Welding	Minimum Slip-on/ Socket Welding	Minimum Lapped	Welding Neck	Slip-on/ Threaded/ Socket Welding	Lapped				
	D	t	t	G	X	B1	B2	B3	T1	T2	T3	A	R	Q	Y
1/2	90	9.6	11.2	34.9	30	15.8	22.2	22.9	46	14	16	21.3	3	16	10
3/4	100	11.2	12.7	42.9	38	20.9	27.7	28.2	51	14	16	26.7	3	16	11
1	110	12.7	14.3	50.8	49	26.6	34.5	34.9	54	16	17	33.4	3	17	13
1-1/4	115	14.3	15.9	63.5	59	35.1	43.2	43.7	56	19	21	42.2	5	21	14
1-1/2	125	15.9	17.5	73.0	65	40.9	49.5	50.0	60	21	22	48.3	6	22	16
2	150	17.5	19.1	92.1	78	52.5	61.9	62.5	62	24	25	60.3	8	25	17
2-1/2	180	20.7	22.3	104.8	90	62.7	74.6	75.4	68	27	29	73.0	8	29	19
3	190	22.3	23.9	127.0	108	77.9	90.7	91.4	68	29	30	88.9	10	30	21
3-1/2	215	22.3	23.9	139.7	122	90.1	103.4	104.1	70	30	32	101.6	10	32	-
4	230	22.3	23.9	157.2	135	102.3	116.1	116.8	75	32	33	114.3	11	33	-
5	255	22.3	23.9	185.7	164	128.2	143.8	144.4	87	35	36	141.3	11	36	-
6	280	23.9	25.4	215.9	192	154.1	170.7	171.4	87	38	40	168.3	13	40	-
8	345	27.0	28.6	269.9	246	202.7	221.5	222.2	100	43	44	219.1	13	44	-
10	405	28.6	30.2	323.8	305	254.6	276.2	277.4	100	48	49	273.0	13	49	-
12	485	30.2	31.8	381.0	365	304.8	327.0	328.2	113	54	56	323.8	13	56	-
14	535	33.4	35.0	412.8	400	To be Specified by the Purchaser	359.2	360.2	125	56	79	355.6	13	57	-
16	595	35.0	36.6	469.9	457		410.5	411.2	125	62	87	406.4	13	64	-
18	635	38.1	39.7	533.4	505		461.8	462.3	138	67	97	457.0	13	68	-
20	700	41.3	42.9	584.2	559		513.1	514.4	143	71	103	508.0	13	73	-
24	815	46.1	47.7	692.2	663		616.0	616.0	151	81	111	610.0	13	83	-

NOTES:

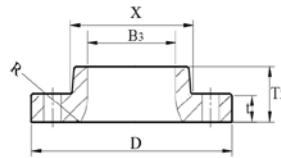
- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) These flanges may be supplied with a flat face. The flat face may be either the full t dimension thickness plus 2-mm or the t dimension thickness without the raised face height.
- (3) The flange dimensions illustrated are for regularly furnished 2-mm raised face (except lapped).

重量及尺寸

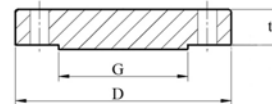
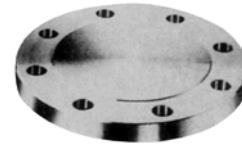
Weight and Dimension



Threaded



Lap joint



Blind

Dimensions in mm

Class 150

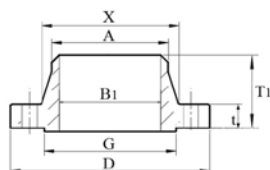
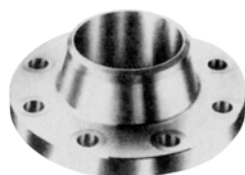
Drilling				Length of Bolts			Approximate Weight										Nominal Pipe Size
Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes In."	Diam.of Bolts In.	Machine Bolts	Stud Bolts		Welding Neck		Slip-on and Threaded		Lapped		Blind		Socket Welding		
				2-mm Face	2-mm Raised Face	Ring Joint											
							Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	
60.3	4	5/8	1/2	50	55	-	0.51	1.10	0.47	1.00	0.51	1.00	0.47	1.00	0.47	1.00	1/2
69.9	4	5/8	1/2	50	65	-	0.73	1.60	0.58	1.30	0.64	1.40	0.63	1.40	0.59	1.30	3/4
79.4	4	5/8	1/2	55	65	75	1.07	2.40	0.86	1.90	0.93	1.80	0.94	2.10	0.87	1.90	1
88.9	4	5/8	1/2	55	70	85	1.40	3.10	1.08	2.40	1.16	2.00	1.23	2.70	1.11	2.40	1-1/4
98.4	4	5/8	1/2	65	70	85	1.81	4.00	1.41	3.10	1.51	3.30	1.62	3.60	1.45	3.20	1-1/2
120.7	4	3/4	5/8	70	85	95	2.59	5.70	2.26	5.00	2.38	5.20	2.64	5.80	2.33	5.00	2
139.7	4	3/4	5/8	75	90	100	4.28	9.40	3.43	7.60	3.60	7.90	4.06	9.00	3.55	7.80	2-1/2
152.4	4	3/4	5/8	75	90	100	5.18	11.40	3.87	8.50	4.04	8.90	4.90	10.80	4.02	8.90	3
177.8	8	3/4	5/8	75	90	100	5.45	12.00	4.99	11.00	4.99	11.00	5.90	13.00	4.99	11.00	3-1/2
190.5	8	3/4	5/8	75	90	100	7.32	16.10	5.75	12.70	5.96	13.00	7.41	16.30	5.99	13.20	4
215.9	8	7/8	3/4	85	95	110	8.91	19.60	6.22	13.70	6.44	14.00	8.76	19.30	6.68	14.70	5
241.3	8	7/8	3/4	85	100	115	11.26	24.80	7.38	16.30	7.59	16.70	11.31	24.90	7.99	17.60	6
298.5	8	7/8	3/4	90	110	120	17.68	39.00	12.36	27.30	12.66	27.90	19.92	43.90	13.29	29.30	8
362.0	12	1	7/8	100	115	125	24.79	54.70	17.10	37.70	16.78	37.00	29.39	64.80	19.50	43.00	10
431.8	12	1	7/8	100	120	135	38.98	85.90	27.68	61.00	28.30	62.40	43.70	96.30	29.03	64.00	12
476.3	12	1-1/8	1	115	135	145	51.71	114.00	35.20	77.60	41.50	91.50	59.42	140.00	38.56	85.00	14
539.8	16	1-1/8	1	115	135	145	64.41	142.00	42.18	93.00	52.98	116.80	77.11	170.00	44.49	98.00	16
577.9	16	1-1/4	1-1/8	125	145	160	74.84	165.00	49.71	109.60	59.00	130.00	94.80	209.00	54.43	120.00	18
635.0	20	1-1/4	1-1/8	140	160	170	89.36	197.00	65.50	140.00	72.12	159.00	123.38	272.00	70.31	155.00	20
749.3	20	1-3/8	1-1/4	150	170	185	119.66	263.80	90.50	199.50	99.02	218.30	188.24	415.00	95.25	210.00	24

NOTES:

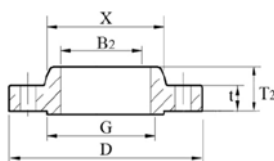
- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) These flanges may be supplied with a flat face. The flat face may be either the full t dimension thickness plus 2-mm or the t dimension thickness without the raised face height.
- (3) The flange dimensions illustrated are for regularly furnished 2-mm raised face (except lapped).

重量及尺寸

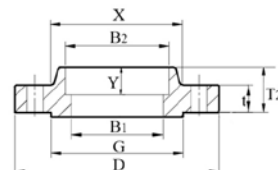
Weight and Dimension



Welding Neck



Slip-on



Socket Welding

Dimensions in mm

Class 300

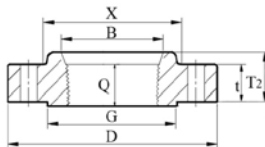
Nominal Pipe Size	Outside Diam. of Flange	Minimum Thickness of Flange	Minimum Thickness Lap Joint	O.D. of Raised Face	Diam. of Hub	Bore			Counter Bore	Length Through Hub			Diam. of Hub at Bevel	Coner Bore Radius of Lapped Flange and Pipe	Minimum Thread Length, Threaded Flange	Depth of Socket
						Welding Neck/Socket Welding	Minimum Slip-on/Socket Welding	Minimum Lapped		Welding Neck	Slip-on/Threaded/Socket Welding	Lapped				
	D	t	t	G	X	B1	B2	B3	B	T1	T2	T3	A	R	Q	Y
1/2	95	12.7	14.3	34.9	38	15.8	22.2	22.9	23.6	51	21	22	21.3	3	16	10
3/4	115	14.3	15.9	42.9	48	20.9	27.7	28.2	29.0	56	24	25	26.7	3	16	11
1	125	15.9	17.5	50.8	54	26.6	34.5	34.9	35.8	60	25	27	33.4	3	18	13
1-1/4	135	17.5	19.1	63.5	64	35.1	43.2	43.7	44.4	64	25	27	42.2	5	21	14
1-1/2	155	19.1	20.7	73.0	70	40.9	49.5	50.0	50.3	67	29	30	48.3	6	23	16
2	165	20.7	22.3	92.1	84	52.5	61.9	62.5	63.5	68	32	33	60.3	8	29	17
2-1/2	190	23.9	25.4	104.8	100	62.7	74.6	75.4	76.2	75	37	38	73.0	8	32	19
3	210	27.0	28.6	127.0	117	77.9	90.7	91.4	92.2	78	41	43	88.9	10	32	21
3-1/2	230	28.6	30.2	139.7	133	90.1	103.4	104.1	104.9	79	43	44	101.6	10	37	-
4	255	30.2	31.8	157.2	146	102.3	116.1	116.8	117.6	84	46	48	114.3	11	37	-
5	280	33.4	35.0	185.7	178	128.2	143.8	144.4	144.4	97	49	51	141.3	11	43	-
6	320	35.0	36.6	215.9	206	154.1	170.7	171.4	171.4	97	51	52	168.3	13	47	-
8	380	39.7	41.3	269.9	260	202.7	221.5	222.2	222.2	110	60	62	219.1	13	51	-
10	445	46.1	47.7	323.8	321	254.6	276.2	277.4	276.2	116	65	95	273.0	13	56	-
12	520	49.3	50.8	381.0	375	304.8	327.0	328.2	328.6	129	71	102	323.8	13	61	-
14	585	52.4	54.0	412.8	425	To be specified by the Purchaser	359.2	360.2	360.4	141	75	111	355.6	13	64	-
16	650	55.6	57.2	469.9	483		410.5	411.2	411.2	144	81	121	406.4	13	69	-
18	710	58.8	60.4	533.4	533		461.8	462.3	462.0	157	87	130	457.0	13	70	-
20	775	62.0	63.5	584.2	587		513.1	514.4	512.8	160	94	140	508.0	13	74	-
24	915	68.3	69.9	692.2	702		616.0	616.0	614.4	167	105	152	616.0	13	83	-

NOTES:

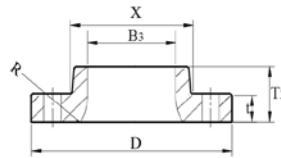
- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) These flanges may be supplied with a flat face. The flat face may be either the full t dimension thickness plus 2-mm or the t dimension thickness without the raised face height.
- (3) The flange dimensions illustrated are for regularly furnished 2-mm raised face (except lapped).

重量及尺寸

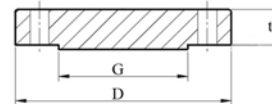
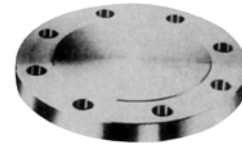
Weight and Dimension



Threaded



Lap joint



Blind

Dimensions in mm

Class 300

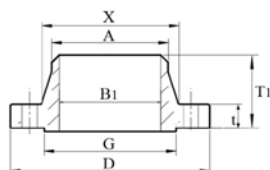
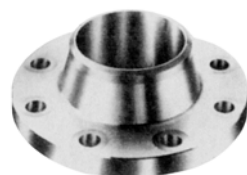
Drilling				Length of Bolts			Approximate Weight										Nominal Pipe Size
Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes In.	Diam. of Bolts In.	Machine Bolts	Stud Bolts		Welding Neck		Slip-on and Threaded		Lapped		Blind		Socket Welding		
					2-mm Raised Face	2-mm Raised Face											
							Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	
66.7	4	5/8	1/2	55	65	75	0.78	1.70	0.62	1.40	0.61	1.30	0.62	1.40	0.62	1.40	1/2
82.6	4	3/4	5/8	65	75	90	1.34	3.00	1.15	2.50	1.15	2.50	1.16	2.50	1.19	2.60	3/4
88.9	4	3/4	5/8	65	75	90	1.64	3.60	1.39	3.10	1.38	3.00	1.42	3.00	1.44	3.20	1
98.4	4	3/4	5/8	70	85	95	2.06	4.50	1.67	3.70	1.66	3.70	1.79	3.90	1.73	3.80	1-1/4
114.3	4	7/8	3/4	75	90	100	3.06	6.70	2.53	5.60	2.52	5.60	2.68	5.90	2.62	5.80	1-1/2
66.7	4	3/4	5/8	55	65	75	0.78	1.70	0.62	1.40	0.61	1.30	0.62	1.40	0.62	1.40	1/2
82.6	4	3/4	5/8	65	75	90	1.34	3.00	1.15	2.50	1.15	2.50	1.16	2.50	1.19	2.60	3/4
88.9	4	3/4	5/8	65	75	90	1.64	3.60	1.39	3.10	1.38	3.00	1.42	3.00	1.44	3.20	1
98.4	4	3/4	5/8	70	85	95	2.06	4.50	1.67	3.70	1.66	3.70	1.79	3.90	1.73	3.80	1-1/4
114.3	4	7/8	3/4	75	90	100	3.06	6.70	2.53	5.60	2.52	5.60	2.68	5.90	2.62	5.80	1-1/2
235.0	8	7/8	3/4	110	120	135	15.12	33.30	12.58	27.70	12.52	27.60	15.96	35.20	-	-	5
269.9	12	7/8	3/4	110	120	140	19.68	43.40	16.04	35.40	15.95	35.20	21.20	46.70	-	-	6
330.2	12	1	7/8	120	140	150	30.48	67.20	24.50	54.00	24.37	53.70	34.60	76.30	-	-	8
387.4	16	1-1/8	1	140	160	170	43.74	96.40	34.16	75.30	39.92	88.00	55.34	122.00	-	-	10
450.8	16	1-1/4	1-1/8	145	170	185	64.41	142.00	51.26	113.00	58.70	129.40	78.90	174.00	-	-	12
514.4	20	1-1/4	1-1/8	160	180	190	88.30	194.70	72.12	159.00	83.46	184.00	107.05	236.00	-	-	14
571.5	20	1-3/8	1-1/4	165	190	205	112.94	249.00	90.40	199.30	106.14	234.00	139.25	307.00	-	-	16
628.6	24	1-3/8	1-1/4	170	195	210	138.34	305.00	109.00	240.30	133.95	295.30	176.90	396.00	-	-	18
685.8	24	1-3/8	1-1/4	185	205	220	167.37	369.00	136.00	300.00	157.65	347.60	223.17	492.00	-	-	20
812.8	24	1-5/8	1-1/2	205	230	255	235.41	519.00	204.00	449.70	240.40	530.00	342.00	754.00	-	-	24

NOTES:

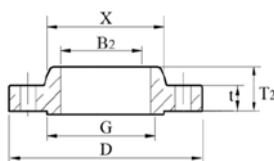
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- (2) These flanges may be supplied with a flat face. The flat face may be either the full t dimension thickness plus 2-mm or the t dimension thickness without the raised face height.
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重量及尺寸

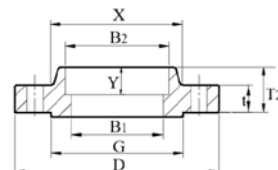
Weight and Dimension



Welding Neck



Slip-on



Socket Welding

Dimensions in mm

Class 600

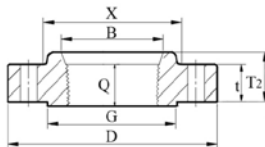
Nominal Pipe Size	Outside Diam. of Flange	Minimum Thickness of Flange	O.D. of Raised Face	Diam. of Hub	Bore			Counter Bore	Length Through Hub			Diam. of Hub at Bevel	Radius of Fillet of Lapped Flange and Pipe	Minimum Thread Length, Threaded Flange	Depth of Socket
					Welding Neck/Socket Welding	Minimum Slip-on / Socket Welding	Minimum Lapped"		Welding Neck	Slip-on/Threaded/Socket Welding	Lapped				
					B1	B2	B3		T1	T2	T3				
1/2	95	14.3	34.9	38	To be specified by the Purchaser.	22.2	22.9	23.6	52	22	22	21.3	3	16	10
3/4	115	15.9	42.9	48		27.7	28.2	29.0	57	25	25	26.7	3	16	11
1	125	17.5	50.8	54		34.5	34.9	35.8	62	27	27	33.4	3	18	13
1-1/4	135	20.7	63.5	64		43.2	43.7	44.4	67	29	29	42.2	5	21	14
1-1/2	155	22.3	73.0	70		49.5	50.0	50.6	70	32	32	48.3	6	23	16
2	165	25.4	92.1	84		61.9	62.5	63.5	73	37	37	60.3	8	29	17
2-1/2	190	28.6	104.8	100		74.6	75.4	76.2	79	41	41	73.0	8	32	19
3	210	31.8	127.0	117		90.7	91.4	92.2	83	46	46	88.9	10	35	21
3-1/2	230	35.0	139.7	133		103.4	104.1	104.9	86	49	49	101.6	10	40	-
4	275	38.1	157.2	152		116.1	116.8	117.6	102	54	54	114.3	11	42	-
5	330	44.5	185.7	189		143.8	144.4	144.4	114	60	60	141.3	11	48	-
6	355	47.7	215.9	222		170.7	171.4	171.4	117	67	67	168.3	13	51	-
8	420	55.6	269.9	273		221.5	222.2	222.2	133	76	76	219.1	13	58	-
10	510	63.5	323.8	343		276.2	277.4	276.2	152	86	111	273.0	13	66	-
12	560	66.7	381.0	400		327.0	328.2	328.6	156	92	117	323.8	13	70	-
14	605	69.9	412.8	432		359.2	360.2	360.4	165	94	127	355.6	13	74	-
16	685	76.2	469.9	495		410.5	411.2	411.2	178	106	140	406.4	13	78	-
18	745	82.6	533.4	546		461.8	462.3	462.0	184	117	152	457.0	13	80	-
20	815	88.9	584.2	610		513.1	514.4	512.8	190	127	165	508.0	13	83	-
24	940	101.6	692.2	718		616.0	616.0	614.4	203	140	184	610.0	13	93	-

NOTES:

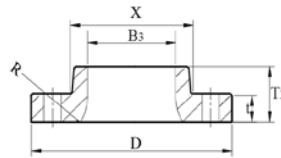
- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) The flange dimensions illustrated are for regularly furnished 7-mm raised face (except lapped).

重量及尺寸

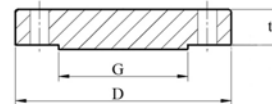
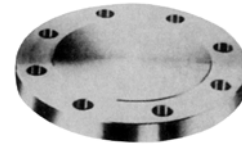
Weight and Dimension



Threaded



Lap joint



Blind

Dimensions in mm

Class 600

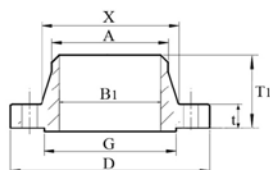
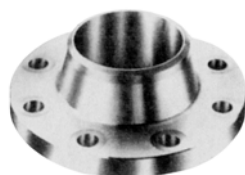
Drilling				Length of Bolts			Approximate Weight										Nominal Pipe Size
Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes In.	Diam.of Bolts In.	7-mm Raised Face	Male and Female/ Tongue and Groove	Ring Joint	Welding Neck		Slip-on and Threaded		Lapped		Blind		Socket Welding		
							Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	
66.7	4	5/8	1/2	75	70	75	0.90	2.00	0.91	2.00	0.80	1.80	0.91	2.00	0.91	2.00	1/2
82.6	4	3/4	5/8	90	85	90	1.59	3.50	1.40	3.00	1.36	3.00	1.40	3.00	1.36	3.00	3/4
88.9	4	3/4	5/8	90	85	90	1.90	4.00	1.70	3.70	1.59	3.50	1.81	4.00	1.81	4.00	1
98.4	4	3/4	5/8	95	90	95	2.49	5.50	2.27	5.00	2.04	4.50	2.40	5.30	2.60	5.70	1-1/4
114.3	4	7/8	3/4	110	100	110	3.63	8.00	3.10	6.80	2.95	6.50	3.40	7.50	3.18	7.00	1-1/2
127.0	8	3/4	5/8	110	100	110	4.54	10.00	3.63	8.00	3.63	8.00	4.40	9.70	3.90	8.60	2
149.2	8	7/8	3/4	120	115	120	6.35	14.00	5.44	12.00	4.99	11.00	6.80	15.00	5.90	13.00	2-1/2
168.3	8	7/8	3/4	125	120	125	8.16	18.00	7.26	16.00	6.35	14.00	8.90	19.60	7.40	16.30	3
184.2	8	1	7/8	140	135	140	11.80	26.00	9.53	21.00	9.08	20.00	13.17	29.00	-	-	3-1/2
215.9	8	1	7/8	145	140	145	16.78	37.00	14.97	33.00	14.06	31.00	18.60	41.00	-	-	4
266.7	8	1-1/8	1	165	160	165	30.87	68.00	28.50	62.80	27.50	60.60	30.84	68.00	-	-	5
292.1	12	1-1/8	1	170	165	170	36.77	80.00	36.32	80.00	35.38	78.00	38.00	83.80	-	-	6
349.2	12	1-1/4	1-1/8	190	185	195	50.80	112.00	44.00	97.00	50.80	112.00	62.20	137.00	-	-	8
431.8	16	1-3/8	1-1/4	215	210	215	86.26	190.00	76.20	168.00	74.00	163.00	102.00	224.90	-	-	10
489.0	20	1-3/8	1-1/4	220	215	220	102.51	226.00	97.52	215.00	108.86	240.00	132.00	291.00	-	-	12
527.0	20	1-1/2	1-3/8	235	230	235	121.56	268.00	102.00	224.80	111.00	244.70	158.00	348.30	-	-	14
603.2	20	1-5/8	1-1/2	255	250	255	177.06	290.00	149.82	330.20	165.71	365.30	224.73	495.40	-	-	16
654.0	20	1-3/4	1-5/8	275	265	275	215.65	475.40	180.10	412.30	194.00	427.70	285.00	628.30	-	-	18
723.9	24	1-3/4	1-5/8	285	280	290	267.86	590.50	231.54	510.50	258.78	570.50	365.00	804.70	-	-	20
838.2	24	2	1-7/8	330	325	335	372.00	820.00	330.00	725.50	362.00	798.00	533.45	1176.0	-	-	24

NOTES:

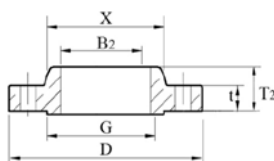
- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) The flange dimensions illustrated are for regularly furnished 7-mm raised face (except lapped).

重量及尺寸

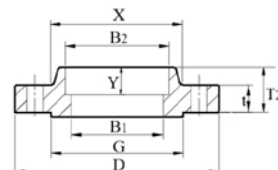
Weight and Dimension



Welding Neck



Slip-on



Socket Welding

Dimensions in mm

Class 900

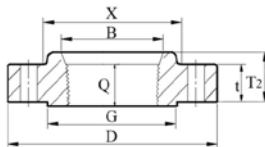
Nominal Pipe Size	Outside Diam. of Flange	Minimum Thickness of Flange	O.D.of Raised Face	Diam. of Hub	Bore			Counter Bore	Length Through Hub			Diam. of Hub at Bevel	Radius of Fillet of Lapped Flange and Pipe	Minimum Thread Length, Threaded Flange
					Welding Neck	Minimum Slip-on	Minimum Lapped	Minimum Threaded Flange	Welding Neck	Slip-on/ Threaded	Lapped			
	D	t	G	X	B1	B2	B3	B	T1	T2	T3	A	R	Q
1/2	120	22.3	34.9	38	To be specified by the Purchaser.	22.2	22.9	23.6	60	32	32	21.3	3	23
3/4	130	25.4	42.9	44		27.7	28.2	29.0	70	35	35	26.7	3	26
1	150	28.6	50.8	52		34.5	34.9	35.8	73	41	41	33.4	3	29
1-1/4	160	28.6	63.5	64		43.2	43.7	44.4	73	41	41	42.2	5	31
1-1/2	180	31.8	73.0	70		49.5	50.0	50.6	83	44	44	48.3	6	32
2	215	38.1	92.1	105		61.9	62.5	63.5	102	57	57	60.3	8	39
2-1/2	245	41.3	104.8	124		74.6	75.4	76.2	105	64	64	73.0	8	48
3	240	38.1	127.0	127		90.7	91.4	92.2	102	54	54	88.9	10	42
4	290	44.5	157.2	159		116.1	116.8	117.6	114	70	70	114.3	11	48
5	350	50.8	185.7	190		143.8	144.4	144.4	127	79	79	141.3	11	54
6	380	55.6	215.9	235		170.7	171.4	171.4	140	86	86	168.3	13	58
8	470	63.5	269.9	298		221.5	222.2	222.2	162	102	114	219.1	13	64
10	545	69.9	323.8	368		276.2	277.4	276.2	184	108	127	273.0	13	72
12	610	79.4	381.0	419		327.0	328.2	328.6	200	117	143	323.8	13	77
14	640	85.8	412.8	451		359.2	360.2	360.4	213	130	156	355.6	13	83
16	705	88.9	469.9	508		410.5	411.2	411.2	216	133	165	406.4	13	86
18	785	101.6	533.4	565		461.8	462.3	462.0	229	152	190	457.0	13	89
20	855	108.0	584.2	622		513.1	514.4	512.8	248	159	210	508.0	13	93
24	1040	139.7	692.2	749		616.0	616.0	614.4	292	203	267	610.0	13	102

NOTES:

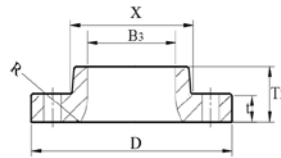
- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) The flange dimensions illustrated are for regularly furnished 7-mm raised face (except lapped).
- (3) Socket welding flanges may be provided in NPS 1/2 through NPS 2-1/2, using Class 1500 dimensions.

重量及尺寸

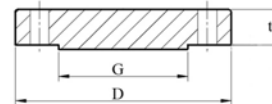
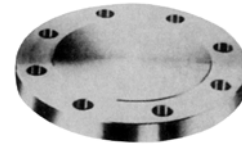
Weight and Dimension



Threaded



Lap joint



Blind

Dimensions in mm

Class 900

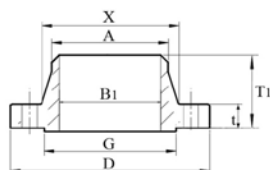
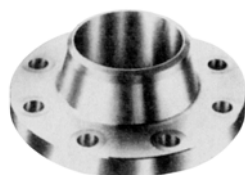
Drilling				Length of Bolts			Approximate Weight								Nominal Pipe Size
Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes In.	Diam. of Bolts In.	7-mm Raised Face	Male and Female/ Tongue and Groove	Ring Joint	Welding Neck		Slip-on and Threaded		Lapped		Blind		
							Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	
82.6	4	7/8	3/4	110	100	110	2.10	4.60	1.81	4.00	1.81	4.00	1.90	4.20	1/2
88.9	4	7/8	3/4	115	110	115	2.72	6.00	2.40	5.30	2.30	5.00	2.70	6.00	3/4
101.6	4	1	7/8	125	120	125	3.86	8.50	3.41	7.50	3.40	7.50	4.09	9.00	1
111.1	4	1	7/8	125	120	125	4.54	10.00	4.10	9.00	4.09	9.00	4.54	10.00	1-1/4
123.8	4	1-1/8	1	140	135	140	5.90	13.00	5.45	12.00	5.40	11.90	5.90	13.00	1-1/2
165.1	8	1	7/8	145	140	145	10.89	24.00	9.98	22.00	9.53	21.00	11.34	25.00	2
190.5	8	1-1/8	1	160	150	160	16.33	36.00	15.80	34.80	13.15	29.00	16.00	35.30	2-1/2
190.5	8	1	7/8	145	140	145	15.00	33.00	11.80	26.00	11.34	25.00	13.17	29.00	3
235.0	8	1-1/4	1-1/8	170	165	170	23.13	51.00	23.20	51.00	22.60	48.50	24.50	54.00	4
279.4	8	1-3/8	1-1/4	190	185	190	38.50	84.90	37.65	83.00	36.74	81.00	39.46	87.00	5
317.5	12	1-1/4	1-1/8	190	185	195	49.89	110.00	48.30	106.50	47.50	104.70	51.50	113.50	6
393.7	12	1-1/2	1-3/8	220	215	220	79.45	175.00	75.00	166.30	86.00	189.60	89.00	196.20	8
469.9	16	1-1/2	1-3/8	235	230	235	118.04	260.00	111.13	245.00	125.64	277.00	131.54	290.00	10
533.4	20	1-1/2	1-3/8	255	250	255	157.00	346.00	146.00	321.80	167.00	368.00	187.00	412.30	12
558.8	20	1-5/8	1-1/2	275	265	280	181.60	400.40	172.36	380.00	180.07	397.00	224.07	494.00	14
616.0	20	1-3/4	1-5/8	285	280	290	224.73	495.50	192.95	425.40	211.11	465.40	272.40	600.50	16
685.8	20	2	1-7/8	325	320	335	308.72	680.60	272.40	600.50	295.10	650.60	385.90	850.80	18
749.3	20	2-1/8	2	350	345	360	376.82	830.70	331.42	730.60	367.74	810.70	488.00	1076.0	20
901.7	20	2-5/8	2-1/2	440	430	455	685.00	1510.0	632.00	1393.3	700.00	1543.0	905.00	1995.0	24

NOTES:

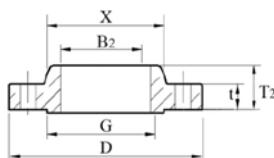
- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) The flange dimensions illustrated are for regularly furnished 7-mm raised face (except lapped).
- (3) Socket welding flanges may be provided in NPS 1/2 through NPS 2-1/2, using Class 1500 dimensions.

重量及尺寸

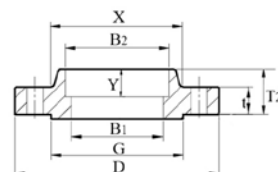
Weight and Dimension



Welding Neck



Slip-on



Socket Welding

Dimensions in mm

Class 1500

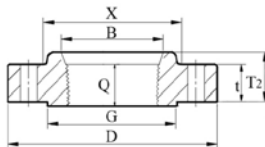
Nominal Pipe Size	Outside Diam. of Flange	Minimum Thickness of Flange	O.D.of Raised Face	Diam. of Hub	Bore			Counter Bore	Length Through Hub			Diam. of Hub at Bevel	Radius of Fillet of Lapped	Minimum Thread Length, Threaded Flange	Depth of Socket
					Welding Neck/ Socket Welding	Minimum Slip-on/ Socket Welding	Minimum Lapped	Minimum Threaded Flange	Welding Neck	Slip-on/ Threaded/ Socket Welding	Lapped				
	D	t	G	X	B1	B2	B3	B	T1	T2	T3	A	R	Q	Y
1/2	120	22.3	34.9	38	To be specified by the Purchaser.	22.2	22.9	23.6	60	32	32	21.3	3	23	10
3/4	130	25.4	42.9	44		27.7	28.2	29.0	70	35	35	26.7	3	26	11
1	150	28.6	50.8	52		34.5	34.9	35.8	73	41	41	33.4	3	29	13
1-1/4	160	28.6	63.5	64		43.2	43.7	44.4	73	41	41	42.2	5	31	14
1-1/2	180	31.8	73.0	70		49.5	50.0	50.6	83	44	44	48.3	6	32	16
2	215	38.1	92.1	105		61.9	62.5	63.5	102	57	57	60.3	8	39	17
2-1/2	245	41.3	104.8	124		74.6	75.4	76.2	105	64	64	73.0	8	48	19
3	265	47.7	127.0	133		-	91.4	-	117	-	73	88.9	10	-	-
4	310	54.0	157.2	162		-	116.8	-	124	-	90	114.3	11	-	-
5	375	73.1	185.7	197		-	144.4	-	156	-	105	141.3	11	-	-
6	395	82.6	215.9	229		-	171.4	-	171	-	119	168.3	13	-	-
8	485	92.1	269.9	292		-	222.2	-	213	-	143	219.1	13	-	-
10	585	108.0	323.8	368		-	277.4	-	254	-	178	273.0	13	-	-
12	675	123.9	381.0	451		-	328.2	-	283	-	219	323.8	13	-	-
14	750	133.4	412.8	495		-	360.2	-	298	-	241	355.6	13	-	-
16	825	146.1	469.9	552		-	411.2	-	311	-	260	406.4	13	-	-
18	915	162.0	533.4	597		-	462.3	-	327	-	276	457.0	13	-	-
20	985	177.8	584.2	641		-	514.4	-	356	-	292	508.0	13	-	-
24	1170	203.2	692.2	762		-	616.0	-	406	-	330	610.0	13	-	-

NOTES:

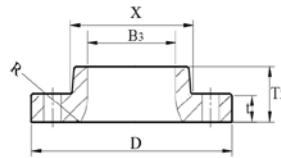
- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) The flange dimensions illustrated are for regularly furnished 7-mm raised face (except lapped).

重量及尺寸

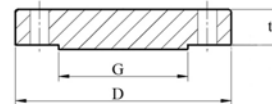
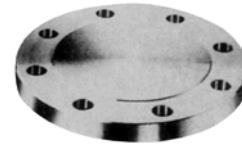
Weight and Dimension



Threaded



Lap joint



Blind

Dimensions in mm

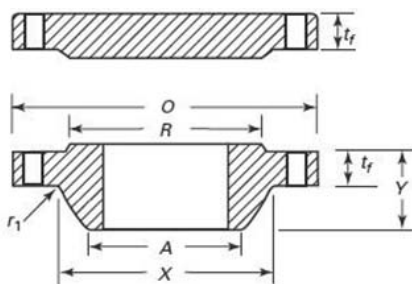
Class 1500

Drilling			Bolting				Approximate Weight										Nominal Pipe Size
Diam. of Bolt Circle	Number of Bolts	Diam. of Bolt Holes In.	Diam.of Bolts In.	7-mm Raised Face	Male and Female/ Tongue and Groove	Ring Joint	Welding Neck		Slip-on and Threaded		Lapped		Blind		Socket Welding		
							Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	Kg	Lb.	
82.6	4	7/8	3/4	110	100	110	2.10	4.60	1.80	4.00	1.80	4.00	1.90	4.00	1.81	4.00	1/2
88.9	4	7/8	3/4	115	110	115	2.72	6.00	2.27	5.00	2.27	5.00	2.72	6.00	2.81	6.20	3/4
101.6	4	1	7/8	125	120	125	3.86	8.50	3.40	7.50	3.40	7.50	4.08	9.00	3.61	8.00	1
111.1	4	1	7/8	125	120	125	4.54	10.00	4.10	9.00	4.09	10.80	4.30	9.50	4.99	11.00	1-1/4
123.8	4	1-1/8	1	140	135	140	5.90	13.00	5.45	12.00	5.40	11.90	5.90	13.00	6.76	14.90	1-1/2
165.1	8	1	7/8	145	140	145	10.89	24.00	10.50	23.00	9.53	21.00	11.30	25.00	10.89	24.00	2
190.5	8	1-1/8	1	160	150	160	16.34	36.00	15.80	34.80	13.15	29.00	16.00	35.30	16.34	36.00	2-1/2
203.2	8	1-1/4	1-1/8	180	170	180	21.79	48.00	21.77	48.00	17.24	38.00	21.79	48.00	-	-	3
241.3	8	1-3/8	1-1/4	195	190	195	31.30	69.00	31.00	68.40	29.00	63.90	33.11	73.00	-	-	4
292.1	8	1-5/8	1-1/2	250	240	250	59.02	130.00	58.80	129.60	54.00	119.00	60.00	132.30	-	-	5
317.5	12	1-1/2	1-3/8	260	255	265	74.91	165.00	74.00	163.00	62.00	136.70	75.00	165.30	-	-	6
393.7	12	1-3/4	1-5/8	290	285	300	123.83	273.00	117.73	258.00	129.73	236.00	136.98	302.00	-	-	8
482.6	12	2	1-7/8	335	330	345	205.93	454.00	197.49	435.40	220.19	485.40	229.97	507.00	-	-	10
571.5	16	2-1/8	2	375	370	385	306.00	674.60	264.00	582.00	286.02	630.60	316.00	696.70	-	-	12
635.0	16	2-3/8	2-1/4	405	400	425	416.00	917.00	-	-	404.06	890.80	421.00	928.00	-	-	14
704.8	16	2-5/8	2-1/2	445	440	470	567.50	1250.00	-	-	522.10	1151.0	559.00	1232.70	-	-	16
774.7	16	2-7/8	2-3/4	495	490	525	736.00	1622.60	-	-	669.65	1476.30	761.00	1677.70	-	-	18
831.8	16	3-1/8	3	540	535	565	929.00	2048.00	-	-	805.85	1776.60	967.00	2131.80	-	-	20
990.6	16	3-5/8	3-1/2	615	610	650	1504.00	3315.70	-	-	1285.55	2834.00	1568.00	3456.80	-	-	24

NOTES:

- (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.
- (2) The flange dimensions illustrated are for regularly furnished 7-mm raised face (except lapped).

产品尺寸 Dimension



Dimensions in mm

Class 150 Series A

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, t _f [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r ₁
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	870	66.7	66.7	119	676	660.4	749	806.4	24	1-3/8	1-1/4	10
28	925	69.9	69.9	124	727	711.2	800	863.6	28	1-3/8	1-1/4	11
30	985	73.1	73.1	135	781	762.0	857	914.4	28	1-3/8	1-1/4	11
32	1060	79.4	79.4	143	832	812.8	914	977.9	28	1-5/8	1-1/2	11
34	1110	81.0	81.0	148	883	863.6	965	1028.7	32	1-5/8	1-1/2	13
36	1170	88.9	88.9	156	933	914.4	1022	1085.8	32	1-5/8	1-1/2	13
38	1240	85.8	85.8	156	991	965.2	1073	1149.4	32	1-5/8	1-1/2	13
40	1290	88.9	88.9	162	1041	1016.0	1124	1200.2	36	1-5/8	1-1/2	13
42	1345	95.3	95.3	170	1092	1066.8	1194	1257.3	36	1-5/8	1-1/2	13
44	1405	100.1	100.1	176	1143	1117.6	1245	1314.4	40	1-5/8	1-1/2	13
46	1455	101.6	101.6	184	1197	1168.4	1295	1365.2	40	1-5/8	1-1/2	13
48	1510	106.4	106.4	191	1248	1219.2	1359	1422.4	44	1-5/8	1-1/2	13
50	1570	109.6	109.6	202	1302	1270.0	1410	1479.6	44	1-7/8	1-3/4	13
52	1625	114.3	114.3	208	1353	1320.8	1461	1536.7	44	1-7/8	1-3/4	13
54	1685	119.1	119.1	214	1403	1371.6	1511	1593.8	44	1-7/8	1-3/4	13
56	1745	122.3	122.3	227	1457	1422.4	1575	1651.0	48	1-7/8	1-3/4	13
58	1805	127.0	127.0	233	1508	1473.2	1626	1708.2	48	1-7/8	1-3/4	13
60	1855	130.2	130.2	238	1559	1524.0	1676	1759.0	52	1-7/8	1-3/4	13

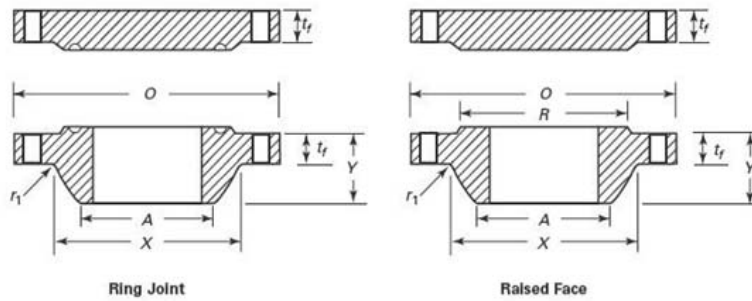
GENERAL NOTES:

- (a) The bore is to be specified by the purchaser.
(b) Blind flanges may be made with or without hubs at the manufacturer's options.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
(2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸 Dimension



Dimensions in mm

Class 300 Series A

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, t_f [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r_1
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	970	77.8	82.6	183	721	660.4	749	876.3	28	1-3/4	1-5/8	10
28	1035	84.2	88.9	195	775	711.2	800	939.8	28	1-3/4	1-5/8	11
30	1090	90.5	93.7	208	827	762.0	857	997.0	28	1-7/8	1-3/4	11
32	1150	96.9	98.5	221	881	812.8	914	1054.1	28	2	1-7/8	11
34	1205	100.1	103.2	230	937	863.6	965	1104.9	28	2	1-7/8	13
36	1270	103.2	109.6	240	991	914.4	1022	1168.4	32	2-1/8	2	13
38	1170	106.4	106.4	179	994	965.2	1029	1092.2	32	1-5/8	1-1/2	13
40	1240	112.8	112.8	192	1048	1016.0	1086	1155.7	32	1-3/4	1-5/8	13
42	1290	117.5	117.5	198	1099	1066.8	1137	1206.5	32	1-3/4	1-5/8	13
44	1355	122.3	122.3	205	1149	1117.6	1194	1263.6	32	1-7/8	1-3/4	13
46	1415	127.0	127.0	214	1203	1168.4	1245	1320.8	28	2	1-7/8	13
48	1465	131.8	131.8	222	1254	1219.2	1302	1371.6	32	2	1-7/8	13
50	1530	138.2	138.2	230	1305	1270.0	1359	1428.8	32	2-1/8	2	13
52	1580	142.9	142.9	237	1356	1320.8	1410	1479.6	32	2-1/8	2	13
54	1660	150.9	150.9	251	1410	1371.6	1467	1549.4	28	2-3/8	2-1/4	13
56	1710	152.4	152.4	259	1464	1422.4	1518	1600.2	28	2-3/8	2-1/4	13
58	1760	157.2	157.2	265	1514	1473.2	1575	1651.0	32	2-3/8	2-1/4	13
60	1810	162.0	162.0	271	1565	1524.0	1626	1701.8	32	2-3/8	2-1/4	13

GENERAL NOTES:

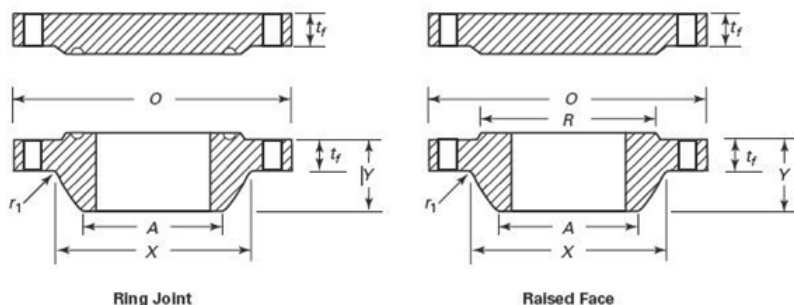
- (a) The bore is to be specified by the purchaser.
(b) Blind flanges may be made with or without hubs at the manufacturer's options.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
(2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸

Dimension



Dimensions in mm

Class 400 Series A

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, tf [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r ₁
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	970	88.9	98.5	194	727	660.4	749	876.3	28	1-7/8	1-3/4	11
28	1035	95.3	104.8	206	783	711.2	800	939.8	28	2	1-7/8	13
30	1090	101.6	111.2	219	837	762.0	857	997.0	28	2-1/8	2	13
32	1150	108.0	115.9	232	889	812.8	914	1054.1	28	2-1/8	2	13
34	1205	111.2	122.3	241	945	863.6	965	1104.9	28	2-1/8	2	14
36	1270	114.3	128.6	251	1000	914.4	1022	1168.4	32	2-1/8	2	14
38	1205	123.9	123.9	206	1003	965.2	1035	1117.6	32	1-7/8	1-3/4	14
40	1270	130.2	130.2	216	1054	1016.0	1092	1174.8	32	2	1-7/8	14
42	1320	133.4	133.4	224	1108	1066.8	1143	1225.6	32	2	1-7/8	14
44	1385	139.7	139.7	233	1159	1117.6	1200	1282.7	32	2-1/8	2	14
46	1440	146.1	146.1	244	1213	1168.4	1257	1339.8	36	2-1/8	2	14
48	1510	152.4	152.4	257	1267	1219.2	1308	1403.4	58	2-3/8	2-1/4	14
50	1570	157.2	158.8	268	1321	1270.0	1362	1460.5	32	2-3/8	2-1/4	14
52	1620	162.0	163.6	276	1372	1320.8	1413	1511.3	32	2-3/8	2-1/4	14
54	1700	169.9	171.5	289	1426	1371.6	1470	1581.2	28	2-5/8	2-1/2	14
56	1755	174.7	176.3	298	1480	1422.4	1527	1632.0	32	2-5/8	2-1/2	14
58	1805	177.8	181.0	306	1530	1473.2	1578	1682.8	32	2-5/8	2-1/2	14
60	1885	185.8	189.0	319	1584	1524.0	1635	1752.6	32	2-7/8	2-3/4	14

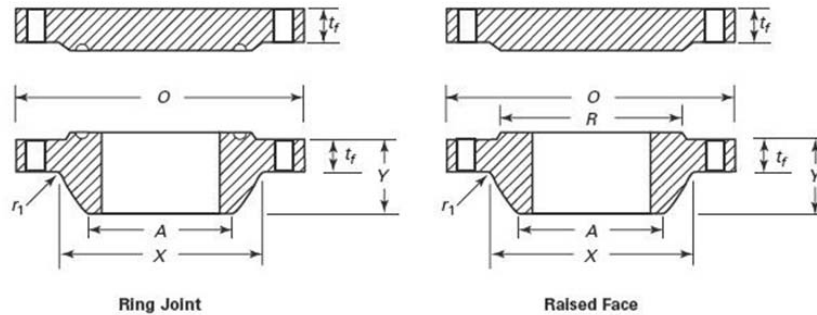
GENERAL NOTES:

- (a) The bore is to be specified by the purchaser.
 (b) Blind flanges may be made with or without hubs at the manufacturer's options.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
 (2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸 Dimension



Dimensions in mm

Class 600 Series A

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, tf [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r1
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	1015	108.0	125.5	222	748	660.4	749	914.4	28	2	1-7/8	13
28	1075	111.2	131.8	235	803	711.2	800	965.2	28	2-1/8	2	13
30	1130	114.3	139.7	248	862	762.0	857	1022.4	28	2-1/8	2	13
32	1195	117.5	147.7	260	918	812.8	914	1079.5	28	2-3/8	2-1/4	13
34	1245	120.7	154.0	270	973	863.6	965	1130.3	28	2-3/8	2-1/4	14
36	1315	123.9	162.0	283	1032	914.4	1022	1193.8	28	2-5/8	2-1/2	14
38	1270	152.4	155.0	254	1022	965.2	1054	1162.0	28	2-3/8	2-1/4	14
40	1320	158.8	162.0	264	1073	1016.0	1111	1212.8	32	2-3/8	2-1/4	14
42	1405	168.3	171.5	279	1127	1066.8	1168	1282.7	28	2-5/8	2-1/2	14
44	1455	173.1	177.8	289	1181	1117.6	1226	1333.5	32	2-5/8	2-1/2	14
46	1510	179.4	185.8	300	1235	1168.4	1276	1390.6	32	2-5/8	2-1/2	14
48	1595	189.0	195.3	316	1289	1219.2	1334	1460.5	32	2-7/8	2-3/4	14
50	1670	196.9	203.2	329	1343	1270.0	1384	1524.0	28	3-1/8	3	14
52	1720	203.2	209.6	337	1394	1320.8	1435	1574.8	32	3-1/8	3	14
54	1780	209.6	217.5	349	1448	1371.6	1492	1632.0	32	3-1/8	3	14
56	1855	217.5	225.5	362	1502	1422.4	1543	1695.4	32	3-3/8	3-1/4	16
58	1905	222.3	231.8	370	1553	1473.2	1600	1746.2	32	3-3/8	3-1/4	16
60	1995	233.4	242.9	389	1610	1524.0	1657	1822.4	28	3-5/8	3-1/2	17

GENERAL NOTES:

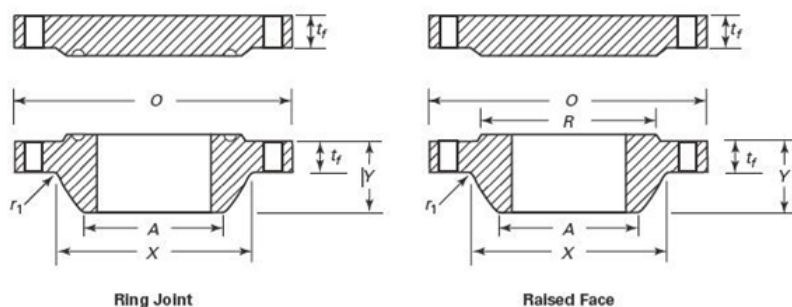
- (a) The bore is to be specified by the purchaser.
(b) Blind flanges may be made with or without hubs at the manufacturer's options.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
(2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸

Dimension



Dimensions in mm

Class 900 Series A

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, t_f [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r_f
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	1085	139.7	160.4	286	775	660.4	749	952.5	20	2-7/8	2-3/4	11
28	1170	142.9	171.5	298	832	711.2	800	1022.4	20	3-1/8	3	13
30	1230	149.3	182.6	311	889	762.0	857	1085.8	20	3-1/8	3	13
32	1315	158.8	193.7	330	946	812.8	914	1155.7	20	3-3/8	3-1/4	13
34	1395	165.1	204.8	349	1006	863.6	965	1225.6	20	3-5/8	3-1/2	14
36	1460	171.5	214.4	362	1064	914.4	1022	1289.0	20	3-5/8	3-1/2	14
38	1460	190.5	215.9	352	1073	965.2	1099	1289.0	20	3-5/8	3-1/2	19
40	1510	196.9	223.9	364	1127	1016.0	1162	1339.8	24	3-5/8	3-1/2	21
42	1560	206.4	231.8	371	1176	1066.8	1213	1390.6	24	3-5/8	3-1/2	21
44	1650	214.4	242.9	391	1235	1117.6	1270	1463.7	24	3-7/8	3-3/4	22
46	1735	225.5	255.6	411	1292	1168.4	1334	1536.7	24	4-1/8	4	22
48	1785	233.4	263.6	419	1343	1219.2	1384	1587.5	24	4-1/8	4	24
50	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...	...	...	...	...
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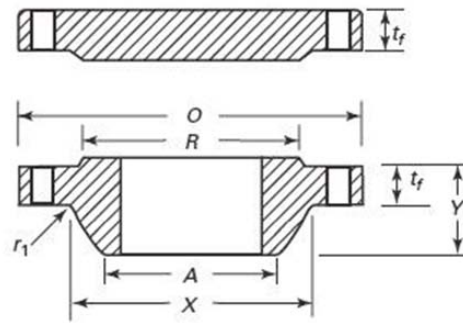
GENERAL NOTES:

- (a) The bore is to be specified by the purchaser.
- (b) Blind flanges may be made with or without hubs at the manufacturer's options.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
- (2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸 Dimension



Dimensions in mm

Class 75 Series B

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, t_f [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r_1
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	760	31.9	31.9	57	676	661.9	705	723.9	36	3/4	5/8	8
28	815	31.9	31.9	60	727	712.7	756	774.7	40	3/4	5/8	8
30	865	31.9	31.9	64	778	763.5	806	825.5	44	3/4	5/8	8
32	915	33.5	35.0	68	829	814.3	857	876.3	48	3/4	5/8	8
34	965	33.5	36.6	72	879	865.1	908	927.1	52	3/4	5/8	8
36	1035	35.0	40.9	84	935	915.9	965	992.2	40	7/8	3/4	10
38	1085	36.6	43.0	87	986	966.7	1016	1043	40	7/8	3/4	10
40	1135	36.6	43.0	91	1037	1017.5	1067	1093.8	44	7/8	3/4	10
42	1185	38.2	46.3	94	1087	1068.3	1118	1144.6	48	7/8	3/4	10
44	1250	41.4	47.7	103	1140	1119.1	1175	1203.3	36	1	7/8	10
46	1300	43.0	49.3	106	1191	1169.9	1226	1254.1	40	1	7/8	10
48	1355	44.6	52.5	110	1241	1220.7	1276	1304.9	44	1	7/8	10
50	1405	46.2	54.1	114	1294	1271.5	1327	1355.7	44	1	7/8	10
52	1455	46.2	55.7	119	1345	1322.3	1378	1409.7	48	1	7/8	10
54	1510	47.8	58.9	124	1397	1373.1	1429	1460.5	48	1	7/8	10
56	1575	49.3	60.4	133	1451	1423.9	1486	1520.8	40	1-1/8	1	11
58	1625	50.9	62.0	137	1502	1474.7	1537	1571.6	44	1-1/8	1	11
60	1675	54.1	65.2	143	1553	1525.5	1588	1622.4	44	1-1/8	1	11

GENERAL NOTES:

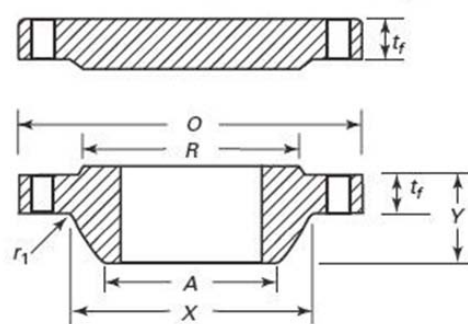
- (a) The bore is to be specified by the purchaser.
(b) Blind flanges may be made with or without hubs at the manufacturer's options.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
(2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸

Dimension



Dimensions in mm

Class 150 Series B

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, tf [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r ₁
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	785	39.8	43.0	87	684	661.9	711	744.5	36	7/8	3/4	10
28	835	43.0	46.2	94	735	712.7	762	795.3	40	7/8	3/4	10
30	885	43.0	49.3	98	787	763.5	813	846.1	44	7/8	3/4	10
32	940	44.6	52.5	106	840	814.3	864	900.1	48	7/8	3/4	10
34	1005	47.7	55.7	109	892	865.1	921	957.3	40	1	7/8	10
36	1055	50.9	57.3	116	945	915.9	972	1009.6	44	1	7/8	10
38	1125	52.5	62.0	122	997	968.2	1022	1070.0	40	1-1/8	1	10
40	1175	54.1	65.2	127	1049	1019.0	1080	1120.8	44	1-1/8	1	10
42	1225	57.3	66.8	132	1102	1069.8	1130	1171.6	48	1-1/8	1	11
44	1275	58.9	70.0	135	1153	1120.6	1181	1222.4	52	1-1/8	1	11
46	1340	60.4	73.1	143	1205	1171.4	1235	1284.3	40	1-1/4	1-1/8	11
48	1390	63.6	76.3	148	1257	1222.2	1289	1335.1	44	1-1/4	1-1/8	11
50	1445	66.8	79.5	152	1308	1273.0	1340	1385.9	48	1-1/4	1-1/8	11
52	1495	68.4	82.7	156	1360	1323.8	1391	1436.7	52	1-1/4	1-1/8	11
54	1550	70.0	85.8	160	1413	1374.6	1441	1492.2	56	1-1/4	1-1/8	11
56	1600	71.6	89.0	165	1465	1425.4	1492	1543.0	60	1-1/4	1-1/8	14
58	1675	73.1	91.9	173	1516	1476.2	1543	1611.3	48	1-3/8	1-1/4	14
60	1725	74.7	95.4	178	1570	1527.0	1600	1662.1	52	1-3/8	1-1/4	14

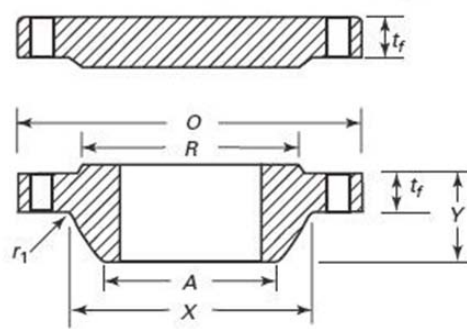
GENERAL NOTES:

- (a) The bore is to be specified by the purchaser.
 (b) Blind flanges may be made with or without hubs at the manufacturer's options.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
 (2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸 Dimension



Dimensions in mm

Class 300 Series B

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, tf [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r ₁
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	865	87.4	87.4	168	702	665.2	737	803.3	32	1-3/8	1-1/4	14
28	920	87.4	87.4	148	756	716.0	787	857.2	36	1-3/8	1-1/4	14
30	990	92.1	92.1	156	813	768.4	845	920.8	36	1-1/2	1-3/8	14
32	1055	101.6	101.6	167	864	819.2	902	977.9	32	1-5/8	1-1/2	16
34	1110	101.6	101.6	171	918	870.0	953	1031.9	36	1-5/8	1-1/2	16
36	1170	101.6	101.6	179	965	920.8	1010	1089.0	32	1-3/4	1-5/8	16
38	1220	109.6	109.6	165	1016	971.6	1060	1139.8	36	1-3/4	1-5/8	16
40	1275	114.3	114.3	197	1067	1022.4	1114	1190.6	40	1-3/4	1-5/8	16
42	1335	117.5	117.5	203	1118	1074.7	1168	1244.6	36	1-7/8	1-3/4	16
44	1385	125.5	125.5	213	1173	1125.5	1219	1295.4	40	1-7/8	1-3/4	16
46	1460	127.0	128.6	221	1229	1176.3	1270	1365.2	36	2	1-7/8	16
48	1510	127.0	133.4	222	1278	1227.1	1327	1416.0	40	2	1-7/8	16
50	1560	136.6	138.2	233	1330	1277.9	1378	1466.8	44	2	1-7/8	16
52	1615	141.3	142.6	241	1383	1328.7	1429	1517.6	48	2	1-7/8	16
54	1675	135.0	147.7	238	1435	1379.5	1480	1578.0	48	2	1-7/8	16
56	1765	152.4	155.4	267	1494	1430.3	1537	1651.0	36	2-3/8	2-1/4	17
58	1825	152.4	160.4	273	1548	1481.1	1594	1712.9	40	2-3/8	2-1/4	17
60	1880	149.3	165.1	270	1599	1557.3	1651	1763.7	40	2-3/8	2-1/4	17

GENERAL NOTES:

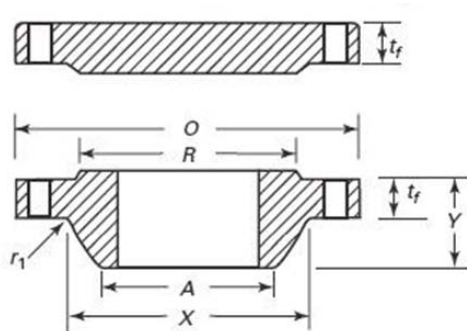
- (a) The bore is to be specified by the purchaser.
(b) Blind flanges may be made with or without hubs at the manufacturer's options.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
(2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸

Dimension



Dimensions in mm

Class 400 Series B

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, t _f [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r ₁
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	850	88.9	88.9	149	689	660.4	711	781.0	28	1-1/2	1-3/8	11
28	915	95.3	95.3	159	740	711.2	762	838.2	24	1-5/8	1-1/2	13
30	970	101.6	101.6	170	794	762.0	819	895.4	28	1-5/8	1-1/2	13
32	1035	108.0	108.0	179	845	812.8	873	952.5	28	1-3/4	1-5/8	13
34	1085	111.2	111.2	187	899	863.6	927	1003.3	32	1-3/4	1-5/8	14
36	1155	119.1	119.1	200	952	914.4	981	1066.8	28	1-7/8	1-3/4	14
38	...	...	...	...	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...	...	...	...	...

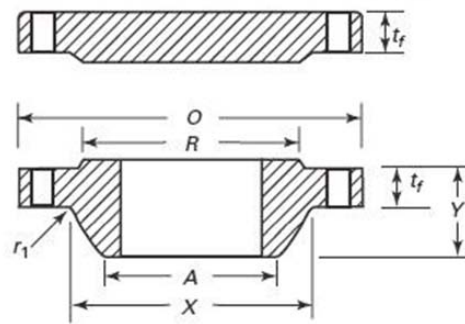
GENERAL NOTES:

- (a) The bore is to be specified by the purchaser.
- (b) Blind flanges may be made with or without hubs at the manufacturer's option.
- (c) Dimensions for Classes 400, 600, and 900 NPS 38 and larger for Series B flanges are the same as for the Series A flanges.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
- (2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸 Dimension



Dimensions in mm

Class 600 Series B

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, t _f [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r ₁
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	890	111.2	111.3	181	698	660.4	727	806.4	28	1-3/4	1-5/8	13
28	950	115.9	115.9	190	752	711.2	784	863.6	28	1-7/8	1-3/4	13
30	1020	125.5	127	205	806	762.0	841	927.1	28	2	1-7/8	13
32	1085	130.2	134.9	216	860	812.8	895	984.2	28	2-1/8	2	13
34	1160	141.3	144.2	233	914	863.6	953	1054.1	24	2-3/8	2-1/4	14
36	1215	146.1	150.9	243	968	914.4	1010	1104.9	28	2-3/8	2-1/4	14
38	...	...	...	...	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...	...	...	...	...

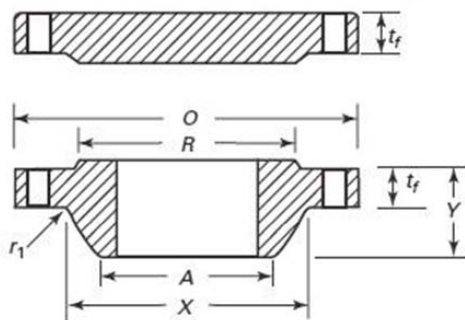
GENERAL NOTES:

- (a) The bore is to be specified by the purchaser.
- (b) Blind flanges may be made with or without hubs at the manufacturer's option.
- (c) Dimensions for Classes 400, 600, and 900 NPS 38 and larger for Series B flanges are the same as for the Series A flanges.

NOTES:

- (1) The minimum flange thickness does not include the raised face thickness.
- (2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸 Dimension



Dimensions in mm

Class 900 Series B

Nominal Pipe Size	O.D. of Flange, O	Minimum Thickness of Flange, t _f [Note(1)]		Length Through Hub, Y	Diam. of Hub, X [Note(2)]	Hub Diam. Top, A [Note(3)]	Raised Face Diam., R	Drilling			Diam. of Bolt	Minimum Fillet Radius, r ₁
		WNF	Blind					Diam. of Bolt Circle	No. of Bolt Holes	Diam. of Bolt Hole		
26	1020	135	154	259	743	660.4	762	901.7	20	2-5/8	2-1/2	11
28	1105	147.7	166.7	276	797	711.2	819	971.6	20	2-7/8	2-3/4	13
30	1180	155.6	176.1	289	851	762	876	1035	20	3-1/8	3	13
32	1240	160.4	186	303	908	812.8	927	1092.2	20	3-1/8	3	13
34	1315	171.5	195	319	962	863.6	991	1155.7	20	3-3/8	3-1/4	14
36	1345	173.1	201.7	325	1016	914.4	1029	1200.2	24	3-1/8	3	14
38	...	...	...	...	...	...	...	...	...	...	...	...
40	...	...	...	...	...	...	...	...	...	...	...	...
42	...	...	...	...	...	...	...	...	...	...	...	...
44	...	...	...	...	...	...	...	...	...	...	...	...
46	...	...	...	...	...	...	...	...	...	...	...	...
48	...	...	...	...	...	...	...	...	...	...	...	...
50	...	...	...	...	...	...	...	...	...	...	...	...
52	...	...	...	...	...	...	...	...	...	...	...	...
54	...	...	...	...	...	...	...	...	...	...	...	...
56	...	...	...	...	...	...	...	...	...	...	...	...
58	...	...	...	...	...	...	...	...	...	...	...	...
60	...	...	...	...	...	...	...	...	...	...	...	...

GENERAL NOTES:

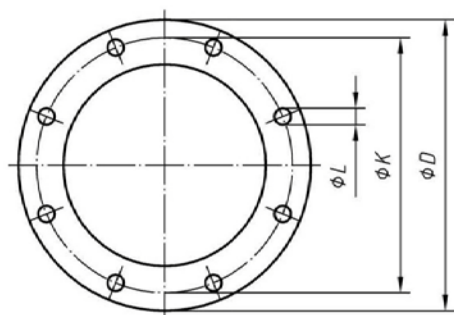
- (a) The bore is to be specified by the purchaser.
- (b) Blind flanges may be made with or without hubs at the manufacturer's option.
- (c) Dimensions for Classes 400, 600, and 900 NPS 38 and larger for Series B flanges are the same as for the Series A flanges.

NOTES:

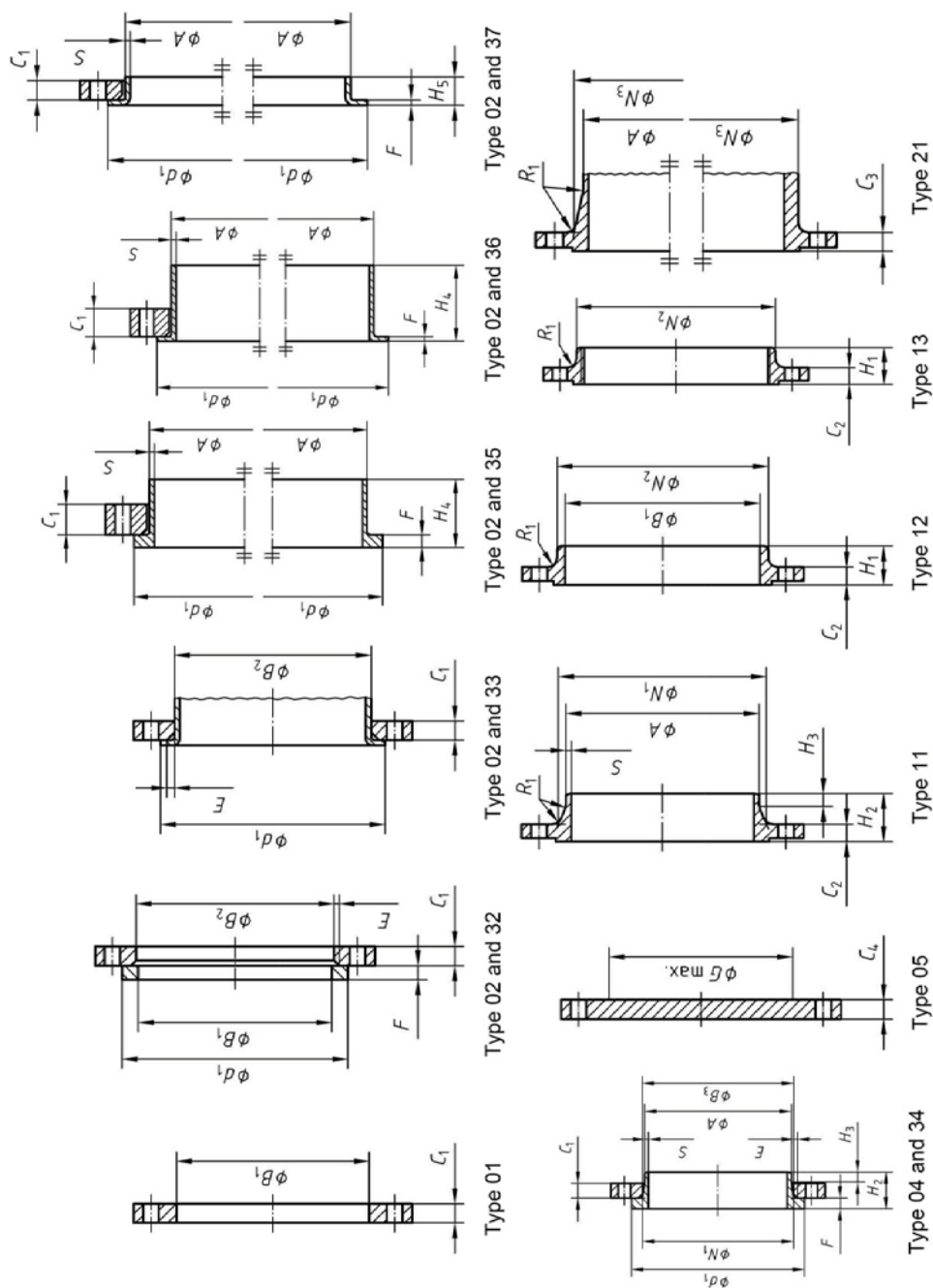
- (1) The minimum flange thickness does not include the raised face thickness.
- (2) This dimension is for the large end of hub, which may be straight or tapered.

产品尺寸 Dimension

EN 1092-1



This diagram illustrates the arrangement but not necessarily the correct number of bolt holes.



NOTE 1 Dimensions N_1 , N_2 and N_3 are measured at the intersection of the hub draft angle and the back face of the flange.

NOTE 2 For dimensions C_{max} refer to NOTE 1 of 5.6.1.

NOTE 3 Type 33; lapped pipe end without determination of thickness and height.



产品尺寸

Dimension

EN 1092-1

Dimensions in mm

PN 10

DN	Mating dimensions					Outside Diameter of neck A	Bore diameters			Flange thickness				Cham-fer E
	Outside Diameter D	Diameter of bolt circle K	Diameter of bolt hole L	Bolting			B ₁	B ₂	B ₃	C ₁	C ₂	C ₃	C ₄	
				Number	Size									
01, 02, 04, 05, 11, 12, 13, 21						11 21 ^a 34 ^c 35 - 37	01 12 32	02	04	01 02 04	11 12 13	21	05	02 04
10	90	60	14	4	M12	17,2	18,0	21	31	14	16	16	16	3
15	95	65	14	4	M12	21,3	22,0	25	35	14	16	16	16	3
20	105	75	14	4	M12	26,9	27,5	31	42	16	18	18	18	4
25	115	85	14	4	M12	33,7	34,5	38	49	16	18	18	18	4
32	140	100	18	4	M16	42,4	43,5	47	59	18	18	18	18	5
40	150	110	18	4	M16	48,3	49,5	53	67	18	18	18	18	5
50	165	125	18	4	M16	60,3	61,5	65	77	20	18	18	18	5
65	185	145	18	8	M16	76,1	77,5	81	96	20	18	18	18	6
80	200	160	18	8	M16	88,9	90,5	94	108	20	20	20	20	6
100	220	180	18	8	M16	114,3	116,0	120	134	22	20	20	20	6
125	250	210	18	8	M16	139,7	141,5	145	162	22	22	22	22	6
150	285	240	22	8	M20	168,3	170,5	174	188	24	22	22	22	6
200	340	295	22	8	M20	219,1	221,5	226	240	24	24	24	24	6
250	395	350	22	12	M20	273,0	276,5	281	294	26	26	26	26	8
300	445	400	22	12	M20	323,9	327,5	333	348	26	26	26	26	8
350	505	460	22	16	M20	355,6	359,5	365	400	30	26	26	26	8
400	565	515	26	16	M24	406,4	411,0	416	450	32	26	26	26	8
450	615	565	26	20	M24	457,0	462,0	467	498	36	28	28	28	8
500	670	620	26	20	M24	508,0	513,5	519	550	38	28	28	28	8
600	780	725	30	20	M27	610,0	616,5	622	650	42	30	34	34	8
700	895	840	30	24	M27	711,0	b	721	—	50	35	b	38	8
800	1015	950	33	24	M30	813,0		824	—	56	38		48	8
900	1115	1050	33	28	M30	914,0		926	—	62	38		50	8
1000	1230	1160	36	28	M33	1016,0		1028	—	70	44		54	8
1200	1455	1380	39	32	M36	1219,0		1234	—	83	55		66	8
1400	1675	1590	42	36	M39	1422,0	—	—	—	b	65	b	—	—
1600	1915	1820	48	40	M45	1626,0	—	—	—		75		—	—
1800	2115	2020	48	44	M45	1829,0	—	—	—		85		—	—
2000	2325	2230	48	48	M45	2032,0	—	—	—		90		—	—
2200	2550	2440	56	52	M52	2235,0	—	—	—		100		—	—
2400	2760	2650	56	56	M52	2438,0	—	—	—		110		—	—
2600	2960	2850	56	60	M52	2620,0	—	—	—		110		—	—
2800	3180	3070	56	64	M52	2820,0	—	—	—		124		—	—
3000	3405	3290	62	68	M56	3020,0	—	—	—		132		—	—

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
- (2) To be specified by the purchaser.
- (3) Use is limited up to DN 600.

产品尺寸 Dimension

Dimensions in mm

PN 10

Collar thickness F				Diameter of shoulder G _{max}	Length						Neck diameters			Corner radii R ₁	Wall thickness (see 5.6.1) S	
					H ₁	H ₂	H ₃	H ₄		H ₅	N ₁	N ₂	N ₃			
Flange type																
32 34	35	36	37	05	12 13	11 34 ^c	11 34 ^c	35	36	37	11 34 ^c	12 13	21	11 12 13 21, 34	34	11, 35 to 37
12	5	2	2,5	—	22	35	6	35	35	7	28	30	28	4	1,8	See Annex A
12	5	2	2,5	—	22	38	6	38	38	7	32	35	32	4	2,0	
14	6	2,5	3	—	26	40	6	40	40	8	40	45	40	4	2,3	
14	7	2,5	3	—	28	40	6	40	40	10	46	52	50	4	2,6	
14	8	3	3	—	30	42	6	42	42	12	56	60	60	6	2,6	
14	8	3	3	—	32	45	7	45	45	15	64	70	70	6	2,6	
16	8	3	4	—	28	45	8	45	45	20	74	84	84	6	2,9	
16	8	3	4	55	32	45	10	45	45	20	92	104	104	6	2,9	
16	10	3	4	70	34	50	10	50	50	25	105	118	120	6	3,2	
18	10	4	4	90	40	52	12	52	52	25	131	140	140	8	3,6	
18	10	4	4	115	44	55	12	55	55	25	156	168	170	8	4,0	
20	10	4	4	140	44	55	12	55	55	25	184	195	190	10	4,5	
20	11	5	4	190	44	62	16	62	62	30	234	246	246	10	6,3	
22	12	8	—	235	46	68	16	68	68	—	292	298	298	12	6,3	
22	12	8	—	285	46	68	16	68	68	—	342	350	348	12	7,1	
22	13	8	—	330	53	68	16	68	68	—	385	400	408	12	7,1	
24	14	8	—	380	57	72	16	72	72	—	440	456	456	12	7,1	
24	15	—	—	425	63	72	16	72	—	—	488	502	502	12	7,1	
26	16	—	—	475	67	75	16	75	—	—	542	559	559	12	7,1	
26	18	—	—	575	75	82	18	80	—	—	642	658	658	12	—	
—	20	—	—	670	—	85	18	80	—	—	746	—	772	12	—	
—	20	—	—	770	—	96	18	90	—	—	850	—	876	12	—	
—	22	—	—	860	—	99	20	95	—	—	950	—	976	12	—	
—	24	—	—	960	—	105	20	95	—	—	1052	—	1080	16	—	
—	26	—	—	1160	—	132	25	115	—	—	1256	—	1292	16	—	
—	—	—	—	—	—	143	25	—	—	—	1460	—	1496	16	—	
—	—	—	—	—	—	159	25	—	—	—	1666	—	1712	16	—	
—	—	—	—	—	—	175	30	—	—	—	1868	—	1910	16	—	
—	—	—	—	—	—	186	30	—	—	—	2072	—	2120	16	—	
—	—	—	—	—	—	202	35	—	—	—	2275	—	—	18	—	
—	—	—	—	—	—	218	35	—	—	—	2478	—	—	18	—	
—	—	—	—	—	—	224	40	—	—	—	2680	—	—	18	—	
—	—	—	—	—	—	244	40	—	—	—	2882	—	—	18	—	
—	—	—	—	—	—	257	45	—	—	—	3085	—	—	18	—	

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
- (2) To be specified by the purchaser.
- (3) Use is limited up to DN 600.



产品尺寸

Dimension

EN 1092-1

Dimensions in mm

PN 16

DN	Mating dimensions					Outside Diameter of neck A	Bore diameters			Flange thickness				Cham-fer E
	Outside Diameter D	Diameter of bolt circle K	Diameter of bolt hole L	Bolting			B ₁	B ₂	B ₃	C ₁	C ₂	C ₃	C ₄	
				Number	Size									
	Flange type													
	01, 02, 04, 05, 11, 12, 13, 21						11 21 ^a 34 ^c 35 - 37	01 12 32	02	04	01 02 04	11 12 13	21	05
10	90	60	14	4	M12	17,2	18,0	21	31	14	16	16	16	3
15	95	65	14	4	M12	21,3	22,0	25	35	14	16	16	16	3
20	105	75	14	4	M12	26,9	27,5	31	42	16	18	18	18	4
25	115	85	14	4	M12	33,7	34,5	38	49	16	18	18	18	4
32	140	100	18	4	M16	42,4	43,5	47	59	18	18	18	18	5
40	150	110	18	4	M16	48,3	49,5	53	67	18	18	18	18	5
50	165	125	18	4	M16	60,3	61,5	65	77	20	18	18	18	5
65	185	145	18	8b	M16	76,1	77,5	81	96	20	18	18	18	6
80	200	160	18	8	M16	88,9	90,5	94	108	20	20	20	20	6
100	220	180	18	8	M16	114,3	116,0	120	134	22	20	20	20	6
125	250	210	18	8	M16	139,7	141,5	145	162	22	22	22	22	6
150	285	240	22	8	M20	168,3	170,5	174	188	24	22	22	22	6
200	340	295	22	12	M20	219,1	221,5	226	240	26	24	24	24	6
250	405	355	26	12	M24	273,0	276,5	281	294	29	26	26	26	8
300	460	410	26	12	M24	323,9	327,5	333	348	32	28	28	28	8
350	520	470	26	16	M24	355,6	359,0	365	400	35	30	30	30	8
400	580	525	30	16	M27	406,4	411,0	416	454	38	32	32	32	8
450	640	585	30	20	M27	457,0	462,0	467	500	42	34	40	40	8
500	715	650	33	20	M30	508,0	513,5	519	556	46	36	44	44	8
600	840	770	36	20	M33	610,0	616,5	622	660	55	40	54	54	8
700	910	840	36	24	M33	711,0	c	721	—	63	40	c	58	8
800	1025	950	39	24	M36	813,0		824	—	74	41		62	8
900	1125	1050	39	28	M36	914,0		926	—	82	48		64	8
1000	1255	1170	42	28	M39	1016,0		1030	—	90	59		68	8
1200	1485	1390	48	32	M45	1219,0	—	—	—	c	78	c	—	—
1400	1685	1590	48	36	M45	1422,0	—	—	—		84		—	—
1600	1930	1820	56	40	M52	1626,0	—	—	—		102		—	—
1800	2130	2020	56	44	M52	1829,0	—	—	—		110		—	—
2000	2345	2230	62	48	M56	2032,0	—	—	—		124		—	—

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
- (2) According to EN 1092-2 (Cast iron flanges) and EN 1092-3 (Copper alloy flanges), the flanges in this DN and PN may be supplied with 4 holes. Where steel flanges are required with 4 holes, these may be supplied by agreement between flange manufacturer and purchaser.
- (3) To be specified by the purchaser.
- (4) Use is limited up to DN 600.



Dimensions in mm

PN 16

Collar thickness				Diameter of shoulder	Length						Neck diameters			Corner radii	Wall thickness (see 5.6.1)	
					H ₁	H ₂	H ₃	H ₄		H ₅	N ₁	N ₂	N ₃		R ₁	S
F				G _{max}	Flange type											
32 34	35	36	37	05	12 13	11 34 ^c	11 34 ^c	35	36	37	11 34 ^c	12 13	21	11 12 13 21, 34	34	11, 35 to 37
12	5	2	2,5	—	22	35	6	35	35	7	28	30	28	4	1,8	See Annex A
12	5	2	2,5	—	22	38	6	38	38	7	32	35	32	4	2,0	
14	6	2,5	3	—	26	40	6	40	40	8	40	45	40	4	2,3	
14	7	2,5	3	—	28	40	6	40	40	10	46	52	50	4	2,6	
14	8	3	3	—	30	42	6	42	42	12	56	60	60	6	2,6	
14	8	3	3	—	32	45	7	45	45	15	64	70	70	6	2,6	
16	8	3	4	—	28	45	8	45	45	20	74	84	84	6	2,9	
16	8	3	4	55	32	45	10	45	45	20	92	104	104	6	2,9	
16	10	3	4	70	34	50	10	50	50	25	105	118	120	6	3,2	
18	10	4	4	90	40	52	12	52	52	25	131	140	140	8	3,6	
18	10	4	4	115	44	55	12	55	55	25	156	168	170	8	4,0	
20	10	5	5	140	44	55	12	55	55	25	184	195	190	10	4,5	
20	11	6	6	190	44	62	16	62	62	30	235	246	246	10	6,3	
22	12	10	—	235	46	70	16	70	68	—	292	298	296	12	6,3	
24	14	10	—	285	46	78	16	78	68	—	344	350	350	12	7,1	
26	18	10	—	330	57	82	16	82	68	—	390	400	410	12	8,0	
28	20	10	—	380	63	85	16	85	72	—	445	456	458	12	8,0	
30	22	—	—	425	68	83	16	87	—	—	490	502	516	12	8,0	
32	22	—	—	475	73	84	16	90	—	—	548	559	576	12	8,0	
32	24	—	—	575	83	88	18	95	—	—	670	658	690	12	8,8	
—	26	—	—	670	83	104	18	100	—	—	755	760	760	12	—	
—	28	—	—	770	90	108	20	105	—	—	855	864	862	12	—	
—	30	—	—	860	94	118	20	110	—	—	955	968	962	12	—	
—	35	—	—	960	100	137	22	120	—	—	1058	1072	1076	16	—	
—	—	—	—	1160	—	160	30	—	—	—	1262	—	1282	16	—	
—	—	—	—	1346	—	177	30	—	—	—	1465	—	1482	16	—	
—	—	—	—	1546	—	204	35	—	—	—	1668	—	1696	16	—	
—	—	—	—	1746	—	218	35	—	—	—	1870	—	1896	16	—	
—	—	—	—	1950	—	238	40	—	—	—	2072	—	2100	16	—	

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
- (2) According to EN 1092-2 (Cast iron flanges) and EN 1092-3 (Copper alloy flanges), the flanges in this DN and PN may be supplied with 4 holes. Where steel flanges are required with 4 holes, these may be supplied by agreement between flange manufacturer and purchaser.
- (3) To be specified by the purchaser.
- (4) Use is limited up to DN 600.



产品尺寸

Dimension

EN 1092-1

Dimensions in mm

PN 25

DN	Mating dimensions					Outside Diameter of neck A	Bore diameters			Flange thickness				Cham-fer E
	Outside Diameter D	Diameter of bolt circle K	Diameter of bolt hole L	Bolting			B ₁	B ₂	B ₃	C ₁	C ₂	C ₃	C ₄	
				Number	Size									
01, 02, 04, 05, 11, 12, 13, 21						11 21 ^a 34 ^c 35 - 37	01 12 32	02	04	01 02 04	11 12 13	21	05	02 04
10	90	60	14	4	M12	17,2	18,0	21	31	14	16	16	16	3
15	95	65	14	4	M12	21,3	22,0	25	35	14	16	16	16	3
20	105	75	14	4	M12	26,9	27,5	31	42	16	18	18	18	4
25	115	85	14	4	M12	33,7	34,5	38	49	16	18	18	18	4
32	140	100	18	4	M16	42,4	43,5	47	59	18	18	18	18	5
40	150	110	18	4	M16	48,3	49,5	53	67	18	18	18	18	5
50	165	125	18	4	M16	60,3	61,5	65	77	20	20	20	20	5
65	185	145	18	8	M16	76,1	77,5	81	96	22	22	22	22	6
80	200	160	18	8	M16	88,9	90,5	94	114	24	24	24	24	6
100	235	190	22	8	M20	114,3	116,0	120	138	26	24	24	24	6
125	270	220	26	8	M24	139,7	141,5	145	166	28	26	26	26	6
150	300	250	26	8	M24	168,3	170,5	174	194	30	28	28	28	6
200	360	310	26	12	M24	219,1	221,5	226	250	32	30	30	30	6
250	425	370	30	12	M27	273,0	276,5	281	302	35	32	32	32	8
300	485	430	30	16	M27	323,9	327,5	333	356	38	34	34	34	8
350	555	490	33	16	M30	355,6	359,5	365	408	42	38	38	38	8
400	620	550	36	16	M33	406,4	411,0	416	462	48	40	40	40	8
450	670	600	36	20	M33	457,0	462,0	467	510	54	46	46	50	8
500	730	660	36	20	M33	508,0	513,5	519	568	58	48	48	51	8
600	845	770	39	20	M36	610,0	616,5	622	670	68	48	58	66	8
700	960	875	42	24	M39	711,0	b	721	—	85	50	b	b	8
800	1085	990	48	24	M45	813,0		824	—	95	53			8
900	1185	1090	48	28	M45	914,0		—	—	b	57			—
1000	1320	1210	56	28	M52	1016,0		—	—		63			—
1200	d													
1400														
1600														
1800														
2000														

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
- (2) According to EN 1092-2 (Cast iron flanges) and EN 1092-3 (Copper alloy flanges), the flanges in this DN and PN may be supplied with 4 holes. Where steel flanges are required with 4 holes, these may be supplied by agreement between flange manufacturer and purchaser.
- (3) To be specified by the purchaser.
- (4) Use is limited up to DN 600.

产品尺寸 Dimension

Dimensions in mm

PN 25

Collar thickness F		Diameter of shoulder G _{max}	Length				Neck diameters			Corner radii R ₁	Wall thickness (see 5.6.1) S	
			H ₁	H ₂	H ₃	H ₄	N ₁	N ₂	N ₃			
Flange type												
32 34	35	05	12 13	11 34 ^c	11 34 ^c	35	11 34 ^c	12 13	21	11 12 13 21, 34	34	11, 35
12	5	—	22	35	6	35	28	30	28	4	1,8	See Annex A
12	5	—	22	38	6	38	32	35	32	4	2,0	
14	6	—	26	40	6	40	40	45	40	4	2,3	
14	7	—	28	40	6	40	46	52	50	4	2,6	
14	8	—	30	42	6	42	56	60	60	6	2,6	
14	8	—	32	45	7	45	64	70	70	6	2,6	
16	10	—	34	48	8	48	75	84	84	6	2,9	
16	11	55	38	52	10	52	90	104	104	6	2,9	
18	12	70	40	58	12	58	105	118	120	8	3,2	
20	14	90	44	65	12	65	134	145	142	8	3,6	
22	16	115	48	68	12	68	162	170	162	8	4,0	
24	18	140	52	75	12	75	192	200	192	10	4,5	
26	18	190	52	80	16	80	244	256	252	10	6,3	
26	18	235	60	88	18	88	298	310	304	12	7,1	
28	20	285	67	92	18	92	352	364	364	12	8,0	
32	22	332	72	100	20	100	398	418	418	12	8,0	
34	24	380	78	110	20	110	452	472	472	12	8,8	
36	26	425	84	110	20	110	500	520	520	12	8,8	
38	28	475	90	125	20	125	558	580	580	12	10,0	
40	30	575	100	125	20	115	660	684	684	12	11,0	
—	30	—	—	129	20	125	760	—	780	12	—	
—	35	—	—	138	22	135	864	—	882	12	—	
—	—	—	—	148	24	—	968	—	982	12	—	
—	—	—	—	160	24	—	1070	—	1086	16	—	
d												

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
- (2) According to EN 1092-2 (Cast iron flanges) and EN 1092-3 (Copper alloy flanges), the flanges in this DN and PN may be supplied with 4 holes. Where steel flanges are required with 4 holes, these may be supplied by agreement between flange manufacturer and purchaser.
- (3) To be specified by the purchaser.
- (4) Use is limited up to DN 600.



产品尺寸

Dimension

EN 1092-1

Dimensions in mm

PN 40

DN	Mating dimensions					Outside Diameter of neck A	Bore diameters			Flange thickness				Cham-fer
	Outside Diameter D	Diameter of bolt circle K	Diameter of bolt hole L	Bolting			B ₁	B ₂	B ₃	C ₁	C ₂	C ₃	C ₄	E
				Number	Size									
	Flange type													
	01, 02, 04, 05, 11, 12, 13, 21						11 21 ^a 34 ^c	01 12 32	02	04	01 02 04	11 12 13	21	05
10	90	60	14	4	M12	17,2	18,0	21	31	14	16	16	3	12
15	95	65	14	4	M12	21,3	22,0	25	35	14	16	16	16	3
20	105	75	14	4	M12	26,9	27,5	31	42	16	18	18	18	4
25	115	85	14	4	M12	33,7	34,5	38	49	16	18	18	18	4
32	140	100	18	4	M16	42,4	43,5	47	59	18	18	18	18	5
40	150	110	18	4	M16	48,3	49,5	53	67	18	18	18	18	5
50	165	125	18	4	M16	60,3	61,5	65	77	20	20	20	20	5
65	185	145	18	8	M16	76,1	77,5	81	96	22	22	22	22	6
80	200	160	18	8	M16	88,9	90,5	94	114	24	24	24	24	6
100	235	190	22	8	M20	114,3	116,0	120	138	26	24	24	24	6
125	270	220	26	8	M24	139,7	141,5	145	166	28	26	26	26	6
150	300	250	26	8	M24	168,3	170,5	174	194	30	28	28	28	6
200	375	320	30	12	M27	219,1	221,5	226	250	36	34	34	36	6
250	450	385	33	12	M30	273,0	276,5	281	312	42	38	38	38	8
300	515	450	33	16	M30	323,9	327,5	333	368	52	42	42	42	8
350	580	510	36	16	M33	355,6	359,5	365	418	58	46	46	46	8
400	660	585	39	16	M36	406,4	411,0	416	472	d	50	50	50	8
450	685	610	39	20	M36	457,0	462,0	467	510		57	57	57	8
500	755	670	42	20	M39	508,0	513,5	519	572		57	57	57	8
600	890	795	48	20	M45	610,0	616,5	622	676		72	72	72	8
700	b													
800														
900														
1000														
1200														
1400														
1600														

b

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
- (2) Only mating dimensions fixed, see Annex J.
- (3) Use is limited up to DN 600.
- (4) To be specified by the purchaser.

产品尺寸 Dimension

Dimensions in mm

PN 40

Collar thickness F		Diameter of shoulder G _{max}	Length				Neck diameters			Corner radii R ₁	Wall thickness (see 5.6.1)	
			H ₁	H ₂	H ₃	H ₄	N ₁	N ₂	N ₃		S	
Flange type												
32 34 ^c	35	05	12 13	11 34 ^c	11 34 ^c	35	11 34 ^c	12 13	21	11 12 13 21	34 ^c	11, 35
5	—	22	35	6	35	28	30	28	4	1,8		See Annex A
12	5	—	22	38	6	38	32	35	32	4	2,0	
14	6	—	26	40	6	40	40	45	40	4	2,3	
14	7	—	28	40	6	40	46	52	50	4	2,6	
14	8	—	30	42	6	42	56	60	60	6	2,6	
14	8	—	32	45	7	45	64	70	70	6	2,6	
16	10	—	34	48	8	48	75	84	84	6	2,9	
16	11	55	38	52	10	52	90	104	104	6	2,9	
18	12	70	40	58	12	58	105	118	120	8	3,2	
20	14	90	44	65	12	65	134	145	142	8	3,6	
22	16	115	48	68	12	68	162	170	162	8	4,0	
24	18	140	52	75	12	75	192	200	192	10	4,5	
28	20	190	52	88	16	88	244	260	254	10	6,3	
30	22	235	60	105	18	105	306	312	312	12	7,1	
34	25	285	67	115	18	115	362	380	378	12	8,0	
36	28	330	72	125	20	125	408	424	432	12	8,8	
42	32	380	78	135	20	135	462	478	498	12	11,0	
46	—	425	84	135	20	—	500	522	522	12	12,5	
50	—	475	90	140	20	—	562	576	576	12	14,2	
54	—	575	100	150	20	—	666	686	686	12	16,0	
b												

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
- (2) Only mating dimensions fixed, see Annex J.
- (3) Use is limited up to DN 600.
- (4) To be specified by the purchaser.



产品尺寸

Dimension

Dimensions in mm

PN 63

DN	Mating dimensions					Outside Diameter of neck A	Bore diameters	Flange thickness			
	Outside Diameter D	Diameter of bolt circle K	Diameter of bolt hole L	Bolting			B ₁	C ₁	C ₂	C ₃	C ₄
				Number	Size						
	Flange type										
	01, 02, 04, 05, 11, 12, 13, 21					11 21a	01 12	01 02 04	11 12 13	21	05
10	100	70	14	4	M12	17,2	18,0	20	20	20	20
15	105	75	14	4	M12	21,3	22,0	20	20	20	20
20	130	90	18	4	M16	26,9	27,5	22	22	22	22
25	140	100	18	4	M16	33,7	34,5	24	24	24	24
32	155	110	22	4	M20	42,4	43,5	24	24	26	24
40	170	125	22	4	M20	48,3	49,5	26	26	28	26
50	180	135	22	4	M20	60,3	61,5	26	26	26	26
65	205	160	22	8	M20	76,1	77,5	26	26	26	26
80	215	170	22	8	M20	88,9	90,5	30	28	28	28
100	250	200	26	8	M24	114,3	116,0	32	30	30	30
125	295	240	30	8	M27	139,7	141,5	34	34	34	34
150	345	280	33	8	M30	168,3	170,5	36	36	36	36
200	415	345	36	12	M33	219,1	221,5	48	42	42	42
250	470	400	36	12	M33	273,0	276,5	55	46	46	46
300	530	460	36	16	M33	323,9	327,5	65	52	52	52
350	600	525	39	16	M36	355,6	359,5	72	56	56	56
400	670	585	42	16	M39	406,4	411,0	80	60	60	60
500	b										
600											
700											
800											
900											
1000											
1200											

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
 (2) Only mating dimensions fixed, see Annex J.

产品尺寸 Dimension

Dimensions in mm

PN 63

Diameter of shoulder G _{max}	Length			Neck diameters			Corner radii R ₁	Wall thickness (see 5.6.1) S
	H ₁	H ₂	H ₃	N ₁	N ₂	N ₃		
Flange type								
05	12 13	11	11	11	12 13	21	11 12 13 21	11
—	28	45	6	32	40	40	4	See Annex A
—	28	45	6	34	43	45	4	
—	30	48	8	42	52	50	4	
—	32	58	8	52	60	61	4	
—	32	60	8	62	68	68	6	
—	34	62	10	70	80	82	6	
—	36	62	10	82	90	90	6	
45	40	68	12	98	112	105	6	
60	44	72	12	112	125	122	8	
80	52	78	12	138	152	146	8	
105	56	88	12	168	185	177	8	
130	60	95	12	202	215	204	10	
180	—	110	16	256	—	264	10	
220	—	125	18	316	—	320	12	
270	—	140	18	372	—	378	12	
310	—	150	20	420	—	434	12	
360	—	160	20	475	—	490	12	
b								

NOTES:

- (1) For flanges type 21 the outside hub diameter approximately corresponds to the outside pipe diameter.
(2) Only mating dimensions fixed, see Annex J.



产品重量

Weight

EN 1092-1

Masses in kgs

PN 10

DN	Type 01	Type 02	Type 04	Type 05	Type 11	Type 12	Type 32	Type 34	Type 35	Type 36	Type 37
10	0,604	0,591	0,549	0,722	0,678	0,646	0,094	0,148	0,08	0,05	0,02
15	0,670	0,654	0,606	0,813	0,768	0,722	0,114	0,189	0,09	0,06	0,03
20	0,936	0,909	0,836	1,14	1,09	1,04	0,225	0,340	0,17	0,10	0,06
25	1,11	1,08	0,990	1,38	1,30	1,25	0,296	0,444	0,26	0,15	0,08
32	1,82	1,77	1,65	2,03	1,91	1,81	0,362	0,572	0,36	0,26	0,10
40	2,08	2,02	1,85	2,35	2,15	2,06	0,457	0,734	0,45	0,31	0,13
50	2,73	2,52	2,34	2,88	2,53	2,39	0,653	0,974	0,53	0,36	0,18
65	3,16 a	3,05 a	2,76 a	3,51a	3,03 a	2,97 a	0,876	1,29	0,70	0,47	0,24
80	3,60	3,48	3,17	4,61	3,92	3,78	1,07	1,67	1,0	0,57	0,42
100	4,39	4,20	3,78	5,65	4,62	4,38	1,28	2,12	1,3	0,73	0,49
125	5,41	5,21	4,57	8,13	6,30	6,07	1,70	2,88	1,9	1,20	0,62
150	7,14	6,89	6,22	10,5	7,81	7,24	1,96	3,46	2,4	1,40	0,71
200	9,27	8,87	7,90	16,5	11,6	10,1	2,81	5,49	3,9	2,03	1,10
250	11,8	11,2	9,99	24,1	15,8	12,8	3,52	7,53	5,8	2,65	—
300	13,6	12,8	11,1	30,8	18,3	14,5	4,02	9,11	6,8	3,12	—
350	20,4	19,4	14,7	39,6	25,3	22,7	7,55	14,1	9,5	4,00	—
400	27,5	26,4	20,5	49,4	30,6	28,0	9,38	17,8	11,6	4,73	—
450	33,6	32,2	25,5	63,0	35,1	32,3	10,3	19,6	15,0	—	—
500	40,2	38,5	30,7	75,2	40,5	38,7	12,6	23,7	15,9	—	—
600	54,5	52,2	43,0	124	52,9	48,9	14,3	28,9	23,0	—	—
700	—	79,4	—	183	75,8	—	—	—	30,9	—	—
800	—	112	—	297	102	—	—	—	41,5	—	—
900	—	135	—	374	121	—	—	—	50,0	—	—
1000	—	180	—	492	161	—	—	—	58,9	—	—
1200	—	278	—	842	258	—	—	—	93,2	—	—
1400	—	—	—	—	371	—	—	—	—	—	—
1600	—	—	—	—	547	—	—	—	—	—	—
1800	—	—	—	—	691	—	—	—	—	—	—
2000	—	—	—	—	830	—	—	—	—	—	—
2200	—	—	—	—	1073	—	—	—	—	—	—
2400	—	—	—	—	1329	—	—	—	—	—	—
2600	—	—	—	—	1574	—	—	—	—	—	—
2800	—	—	—	—	1987	—	—	—	—	—	—
3000	—	—	—	—	2476	—	—	—	—	—	—

a With 8 bolt holes.



产品重量

Weight

Masses in kgs

PN 16

DN	Type 01	Type 02	Type 04	Type 05	Type 11	Type 12	Type 32	Type 34	Type 35	Type 36	Type 37
10	0,604	0,591	0,549	0,722	0,678	0,646	0,094	0,148	0,08	0,05	0,02
15	0,670	0,654	0,606	0,813	0,768	0,722	0,114	0,189	0,09	0,06	0,03
20	0,936	0,909	0,836	1,14	1,09	1,04	0,225	0,340	0,17	0,10	0,06
25	1,11	1,08	0,990	1,38	1,30	1,25	0,296	0,444	0,26	0,15	0,08
32	1,82	1,77	1,65	2,03	1,91	1,81	0,362	0,572	0,36	0,26	0,10
40	2,08	2,02	1,85	2,35	2,15	2,06	0,457	0,734	0,45	0,31	0,13
50	2,73	2,52	2,34	2,88	2,53	2,39	0,653	0,974	0,53	0,36	0,18
65	3,16 a	3,05 a	2,76 a	3,51a	3,03 a	2,97 a	0,876	1,29	0,70	0,47	0,24
80	3,60	3,48	3,17	4,61	3,92	3,78	1,07	1,67	1,0	0,57	0,42
100	4,39	4,20	3,78	5,65	4,62	4,38	1,28	2,12	1,3	0,73	0,49
125	5,41	5,21	4,57	8,13	6,30	6,07	1,70	2,88	1,9	1,20	0,62
150	7,14	6,89	6,22	10,5	7,81	7,24	1,96	3,46	2,4	1,40	0,71
200	9,73	9,31	8,37	16,2	11,5	9,80	2,81	5,55	3,9	2,03	1,10
250	14,2	13,5	12,4	25,0	16,7	13,6	3,52	7,71	5,8	—	—
300	19,0	18,0	16,3	35,1	22,1	17,2	5,27	11,4	9,5	—	—
350	28,2	27,0	21,5	48,0	32,8	27,9	10,1	19,2	15,2	—	—
400	35,9	34,6	27,1	63,5	41,1	35,7	12,3	23,7	18,7	—	—
450	46,1	44,6	36,7	96,6	50,6	45,0	16,5	28,2	24,4	—	—
500	64,0	62,0	51,1	133	66,2	60,4	21,4	35,5	29,1	—	—
600	102	98,8	78,3	226	104	94,0	28,7	47,9	40,3	—	—
700	—	107	—	285	96,5	—	—	—	45,2	—	—
800	—	152	—	388	122	—	—	—	59,9	—	—
900	—	184	—	483	155	—	—	—	75,6	—	—
1000	—	257	—	640	233	—	—	—	106,46	—	—
1200	—	—	—	—	390	—	—	—	—	—	—
1400	—	—	—	—	495	—	—	—	—	—	—
1600	—	—	—	—	760	—	—	—	—	—	—
1800	—	—	—	—	929	—	—	—	—	—	—
2000	—	—	—	—	1185	—	—	—	—	—	—

With 8 bolt holes.



产品重量

Weight

EN 1092-1

Masses in kgs

PN 25

DN	Type 01	Type 02	Type 04	Type 05	Type 11	Type 12	Type 32	Type 34	Type 35
200	14,3	13,8	11,6	22,5	17,1	14,9	4,52	9,07	6,6
250	20,1	19,4	17,0	33,5	24,3	20,9	5,73	12,7	10,0
300	26,6	25,5	22,0	46,3	31,8	27,3	8,42	18,0	15,3
350	41,8	40,5	32,1	68,1	48,8	45,1	14,5	27,8	20,8
400	57,6	56,1	44,5	89,7	63,3	57,7	18,0	36,3	28,6
450	69,8	67,8	54,2	130	76,0	69,6	21,0	40,9	34,4
500	87,0	84,6	65,9	159	97,0	87,0	26,8	55,7	45,8
600	127	124	98,4	278	121	111	34,1	70,5	61,0
700	—	188	—	—	155	—	—	—	—
800	—	259	—	—	205	—	—	—	—
900	—	—	—	—	249	—	—	—	—
1000	—	—	—	—	338	—	—	—	—

Masses in kgs

PN 40

DN	Type 01	Type 02	Type 04	Type 05	Type 11	Type 12	Type 32	Type 34	Type 35
10	0,604	0,591	0,549	0,722	0,678	0,646	0,094	0,148	0,08
15	0,670	0,654	0,606	0,813	0,768	0,722	0,114	0,189	0,09
20	0,936	0,909	0,836	1,14	1,09	1,04	0,225	0,340	0,17
25	1,11	1,08	0,990	1,38	1,30	1,25	0,296	0,444	0,26
32	1,82	1,77	1,65	2,03	1,91	1,81	0,362	0,572	0,36
40	2,08	2,02	1,85	2,35	2,15	2,06	0,457	0,734	0,45
50	2,73	2,65	2,47	3,20	2,85	2,74	0,653	1,02	0,69
65	3,48	3,36	3,04	4,29	3,68	3,65	0,876	1,36	1,1
80	4,32	4,18	3,61	5,54	4,78	4,59	1,20	1,90	1,6
100	6,07	5,87	5,18	7,60	6,46	6,10	1,58	2,77	2,4
125	8,19	7,95	6,89	10,8	8,86	8,22	2,08	3,78	3,2
150	10,3	9,97	8,69	14,6	11,7	10,6	2,73	5,25	4,6
200	17,9	17,4	14,9	28,8	21,0	18,3	5,55	10,2	8,8
250	29,3	28,4	23,8	44,4	34,2	28,3	7,87	16,4	14,4
300	45,1	43,6	36,0	64,2	47,6	40,4	12,8	25,4	20,7
350	66,7	64,9	50,4	89,5	69,3	58,8	19,3	37,8	30,7
400	97,1	95,1	75,5	127	98	82,1	30,4	56,4	45,4
450	—	—	—	154	105	86,2	28,4	56,4	—
500	—	—	—	188	130	105	35,3	72,9	—
600	—	—	—	331	209	172	53,3	106,000	—

产品重量 Weight

Masses in kgs

PN 63

DN	Type 01	Type 05	Type 11	Type 12
50	4,99	4,52	4,51	4,20
65	4,73	5,69	5,58	5,30
80	5,90	6,89	6,68	6,25
100	8,05	10,0	9,27	8,81
125	11,7	15,9	14,5	13,6
150	16,9	23,3	21,4	19,5
200	30,5	39,2	34,1	—
250	42,1	56,7	48,3	—
300	59,1	81,2	67,5	—
350	88,7	113	97,8	—
400	121	152	129	—

Masses in kgs

PN 100

DN	Type 01	Type 05	Type 11	Type 12
10	1,00	1,04	1,09	1,07
15	1,10	1,16	1,20	1,17
20	1,86	1,97	2,02	1,96
25	2,37	2,54	2,63	2,49
32	2,79	3,07	3,20	2,95
40	3,58	3,97	4,07	3,80
50	4,99	5,64	5,82	5,28
65	6,33	7,44	7,57	6,84
80	7,72	8,85	8,82	7,94
100	10,3	13,3	13,1	11,5
125	17,2	21,3	21,0	17,9
150	23,6	29,4	28,3	23,8
200	42,9	52,7	50,2	—
250	69,0	85,4	81,4	—
300	104	128	118	—
350	150	175	169	—
400	—	—	—	—
500	—	—	—	—