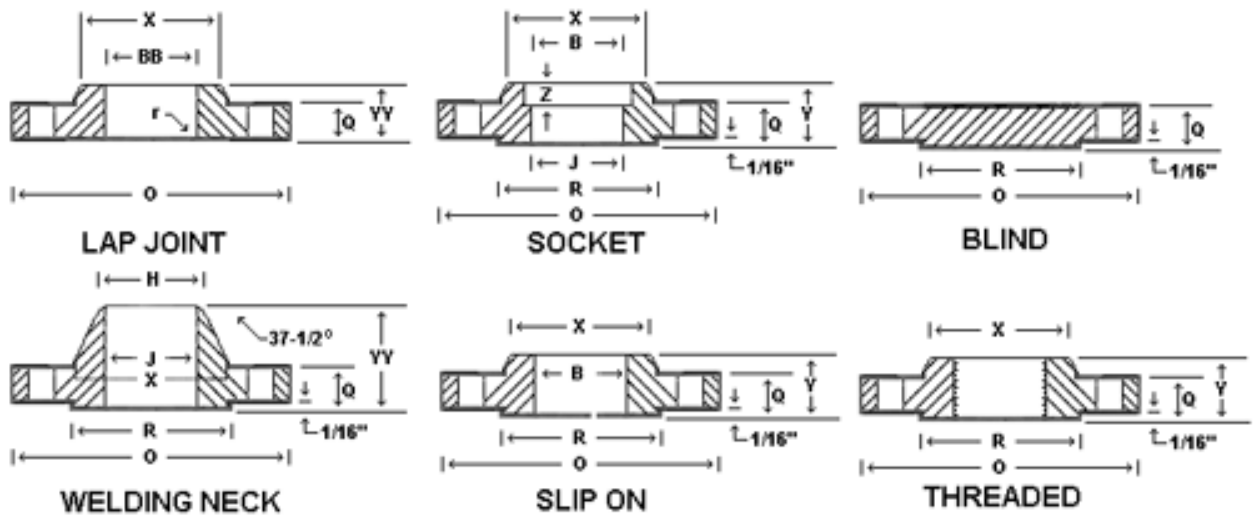


## Flanges Dimensions Technical Info



### 150 LB. FLANGES

Normal pipe size	Outside dia. of flange	Minimum thickness of flange	Overall Length			Bolt Circle	No. and Size of Holes		O.D. of raised face
			Welding neck	Slip-on & socket welding	Lap Joint		No.	dia.	
	O	Q	Y			Diam.	No.	dia.	R
1/2	89	11.2	47.6	15.9	15.9	60.5	4	15	35
3/4	117	15.9	57.2	25.4	25.4	82.5	4	15	43
1	108	14.3	55.6	17.5	17.5	79.5	4	15	51
1.1/4	117	15.9	57.2	20.6	20.6	89.0	4	15	64
1.1/2	127	17.5	61.9	22.2	22.2	98.5	4	15	73
2	152	19.1	63.5	25.4	25.4	120.5	4	19	92
2.1/2	178	22.3	69.8	28.6	28.6	139.5	4	19	105
3	190	23.9	69.8	30.2	30.2	152.5	4	19	127

3.1/2	216	23.9	71.4	31.8	31.8	178.0	8	19	140
4	229	23.9	86.2	33.3	33.3	190.5	8	19	157
5	254	23.9	88.9	36.5	36.5	216.0	8	22	186
6	279	25.4	88.9	39.7	39.7	241.5	8	22	216
8	343	28.6	101.6	44.4	44.4	298.5	8	22	270
10	406	30.2	101.6	49.2	49.2	362.0	12	25	324
12	483	31.8	114.3	55.6	55.6	432.0	12	25	381
14	533	35.0	127.0	57.2	79.4	476.0	12	29	413
16	597	36.6	127.0	63.5	87.3	539.5	16	29	470
18	635	39.7	139.7	68.3	96.8	578.0	16	32	533
20	698	42.9	144.5	73.0	103.2	635.0	20	32	584
24	813	47.7	152.4	82.6	111.1	749.5	20	35	692

**300 LB. FLANGES**

Normal pipe size	Outside dia. of flange	Minimum thickness of flange	Overall Length			Bolt Circle	No. and Size of Holes		O.D. of raised face
			Welding neck	Slip-on & socket welding	Lap Joint		No.	dia.	
	O	Q	Y			Diam.	No.	dia.	R
1/2	95	14.3	52.4	22.2	22.2	666.5	4	15	35
3/4	117	15.9	57.2	25.4	25.4	82.4	4	19	43
1	124	17.5	61.9	27.0	27.0	89.0	4	19	51
1-1/4	133	19.1	65.1	27.0	27.0	98.5	4	19	64
1-1/2	156	20.7	68.3	30.2	30.2	114.5	4	22	73

2	165	22.3	69.8	33.3	33.3	127.0	8	19	92
2-1/2	190	25.4	76.2	38.1	38.1	149.0	8	22	105
3	210	28.6	79.4	42.9	42.9	168.0	8	22	127
4	254	31.8	85.7	47.6	47.6	200.0	8	22	157
5	279	35.0	98.4	50.8	50.8	235.0	8	22	186
6	313	36.6	98.4	52.4	52.4	270.0	12	22	216
6	381	41.3	111.1	61.9	61.9	330.0	12	25	270
10	444	47.7	117.5	66.7	66.7	387.5	16	29	324
12	521	50.8	130.2	73.0	73.0	451.0	16	32	381
14	584	54.0	142.9	76.2	76.2	514.5	20	32	413
16	648	57.2	146.0	82.6	82.6	571.5	20	35	470
18	711	60.4	158.8	88.9	88.9	628.5	24	35	533
20	775	63.5	161.9	95.2	95.2	686.0	24	35	584
24	914	69.9	168.3	106.4	106.4	843.0	24	41	692

**600 LB. FLANGES**

Normal pipe size	Outside dia. of flange	Minimum thickness of flange	Overall Length			Bolt Circle	No. and Size of Holes		O.D. of raised face
			Welding neck	Slip-on & socket welding	Lap Joint		No.	dia.	
	O	Q	Y			Diam.	No.	dia.	R
1/2	95	14.3	52.4	22.2	22.2	66.5	4	15	35
3/4	117	15.9	57.2	25.4	25.4	82.5	4	19	43
1	124	17.5	61.9	27.0	27.0	89.0	4	19	51

1-1/4	133	20.7	66.7	28.6	28.6	98.5	4	19	64
1-1/2	156	22.3	69.8	31.8	31.8	114.5	4	22	73
2	165	25.4	73.0	36.5	36.5	127.0	8	19	92
2-1/2	190	28.6	79.4	41.3	41.3	149.0	8	22	105
3	210	31.8	82.6	46.0	46.0	168.0	8	22	127
3-1/2	229	35.0	85.7	49.2	49.2	184.0	8	25	140
4	273	38.1	101.6	54.0	54.0	216.0	8	25	157
5	330	44.5	114.3	60.3	60.3	266.5	8	29	186
6	356	47.7	117.5	66.7	66.7	292.0	12	29	216
8	419	55.6	133.4	76.2	76.2	349.0	12	32	270
10	508	63.5	152.4	85.7	115.1	432.0	16	85	324
12	559	66.7	155.6	92.1	111.1	489.0	20	35	381
14	603	69.9	165.1	93.7	117.5	527.0	20	38	413
16	686	76.2	177.8	106.4	127.0	603.0	20	41	470
18	743	82.6	184.2	117.6	139.7	654.0	20	45	533
20	813	88.9	190.5	127.0	165.1	724.0	24	45	584
24	940	101.6	203.2	139.7	184.2	838.0	24	51	692

**900 LB. FLANGES**

Normal pipe size	Outside dia. of flange	Minimum thickness of flange	Overall Length			Bolt Circle	No. and Size of Holes	O.D. of raised face
			Welding neck	Slip-on & socket welding	Lap Joint			

	O	Q	Y			Diam.	No.	dia.	R
1/2	121	22.3	60.3	31.8	31.8	82.5	4	22	35
3/4	130	25.4	69.8	34.9	34.9	89.0	4	22	43
1	149	28.6	78.0	41.3	41.3	101.5	4	25	51
1-1/4	159	28.6	78.0	41.3	41.3	111.0	4	25	64
1-1/2	178	31.8	82.6	44.4	44.4	124.0	4	29	78
2	216	38.1	101.6	57.2	57.2	165.0	8	25	92
2-1/2	244	41.3	104.8	63.5	63.5	190.5	8	29	105
8	241	38.1	101.6	54.0	54.0	190.5	8	25	127
3-1/2									
4	292	44.5	114.3	69.8	69.8	235.0	8	32	157
5	349	50.8	127.0	79.4	79.4	279.5	8	35	186
6	381	55.6	189.7	85.7	85.7	317.5	12	32	216
8	470	68.5	161.9	101.8	114.3	393.5	12	38	270
10	546	69.9	184.2	108.0	127.0	470.0	16	38	324
12	610	79.4	200.0	117.5	142.9	533.5	20	38	381
14	584	54.0	142.9	76.2	111.1	514.5	20	32	413
16	711	60.4	158.8	88.9	130.2	628.5	24	35	533
20	775	63.5	161.9	95.2	139.7	686.0	24	35	584
24	914	69.9	168.3	106.4	152.4	843.0	24	41	692

**1500 LB. FLANGES**

Normal	Outside	Minimum	Overall	Length	Bolt	No. and	O.D.
--------	---------	---------	---------	--------	------	---------	------

pipe size	dia. of flange	thickness of flange	Welding neck	Slip-on & socket welding	Lap Joint	Circle	Size of Holes		of raised face
	O	Q	Y			Diam.	No.	dia.	R
1/2	12.1	22.3	60.3	31.8	31.8	82.5	4	22	35
3/4	130	25.4	69.8	34.9	34.9	89.0	4	22	43
1	149	28.6	73.0	41.3	41.3	101.5	4	25	51
1-1/4	159	28.6	73.0	41.3	41.3	111.0	4	25	64
1-1/2	178	31.8	82.6	44.4	44.4	124.0	4	29	73
2	216	38.1	101.6	57.2	57.2	165.0	8	25	92
2-1/2	244	41.3	104.8	63.5	63.5	190.5	8	29	105
3	267	47.7	117.5	73.0	73.0	203.0	8	32	127
3-1/2									
4	311	54.0	123.8	90.5	90.5	241.5	8	35	157
5	375	73.1	155.5	104.8	104.8	292.0	8	41	186
6	394	82.6	171.4	119.1	119.1	317.5	12	38	216
8	483	92.1	212.7	142.9	142.9	393.5	12	45	270
10	584	108.0	254.0	158.8	177.8	482.5	12	51	324
12	673	123.9	282.9	181.0	219.1	571.5	16	54	381
14	749	133.4	298.4	---	241.3	635.0	16	60	413
16	826	146.1	311.2	---	260.4	705.0	16	51	470
18	914	162.0	327.0	---	276.2	474.5	16	73	538
20	984	117.8	355.4	---	292.1	832.0	16	80	584

24	1168	203.2	406.4	---	330.2	990.5	16	92	692
----	------	-------	-------	-----	-------	-------	----	----	-----

### 2500 LB. FLANGES

Normal pipe size	Outside dia. of flange	Minimum thickness of flange	Overall Length			Bolt Circle	No. and Size of Holes		O.D. of raised face
			Welding neck	Slip-on & socket welding	Lap Joint				
	O	Q	Y			Diam.	No.	dia.	R
1/2	133.4	30.2	73.0	39.7	39.7	88.9	4	22	34.9
3/4	139.7	31.8	79.4	42.9	42.9	95.3	4	22	42.9
1	158.8	34.9	88.9	47.6	47.6	108.0	4	25	50.8
1-1/4	184.2	38.1	95.3	52.4	52.4	130.2	4	29	63.5
1-1/2	203.2	44.5	111.1	60.3	60.3	146.0	4	32	73.0
2	235.0	50.8	127.0	69.9	69.9	171.5	8	29	92.1
2-1/2	266.7	57.2	142.9	79.4	79.4	196.9	8	32	104.8
3	304.8	66.7	168.3	92.1	92.1	228.6	8	35	127.0
3-1/2									
4	355.6	76.2	190.5	108.0	108.0	273.0	8	41	157.2
5	419.1	92.1	228.6	130.2	130.2	323.9	8	48	185.7
6	482.6	108.0	273.1	152.4	152.4	268.3	8	54	215.9
8	552.5	127.0	317.5	177.8	177.8	438.2	12	54	269.9
10	673.1	165.1	419.1	228.6	228.6	539.8	12	67	323.9
12	762.0	184.2	463.6	254.0	254.0	619.1	12	73	381.03

14	—	—	—	—	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	—	—	—	—	—	—	—	—
18	—	—	—	—	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	—	—	—	—	—	—	—	—

**WELDING NECK FLANGE BORES**

No m. pipe Size	Outside Diam	Light Wall 6	Sched. 20	Sched. 30	Std. Wall	Sched. 40	Sched. 60	Extra Strong	Sched. 80	Sched. 100	Sched. 120	Sched. 140	Sched. 160	Double Extra Strong
1/2	0.840	.674	.....	.....	0.622	0.622	.....	0.546	0.546	.....	.....	.....	0.464	0.252
3/4	1.050	.884	.....	.....	0.824	0.824	.....	0.742	0.742	.....	.....	.....	0.612	0.434
1	1.315	1.097	....	....	1.049	1.049	....	0.957	0.957	....	....	....	0.815	0.599
1-1/4	1.660	1.442	.....	.....	1.380	1.380	.....	1.278	1.278	.....	.....	.....	1.160	0.896
1-1/2	1.900	1.682	.....	.....	1.610	1.610	.....	1.500	1.500	.....	.....	.....	1.338	1.100
2	2.375	2.157	....	....	2.067	2.067	....	1.939	1.939	....	....	....	1.687	1.503
2-1/2	2.875	2.635	.....	.....	2.469	2.469	.....	2.323	2.323	.....	....	.....	2.125	1.771
3	3.500	3.260	.....	.....	3.068	3.068	.....	2.900	2.900	.....	....	.....	2.624	2.300
3-1/2	4.000	3.760	....	....	3.548	3.548	....	3.364	3.364	....	....	....	....	2.728
4	4.500	4.260	...	...	4.026	4.026	...	3.826	3.826	...	3.624	...	3.438	3.152
5	5.563	5.295	...	...	5.047	5.047	....	4.813	4.813	...	4.563	...	4.313	4.063
6	6.625	6.357	...	...	6.065	6.065	...	5.761	5.761	...	5.501	...	5.187	4.897
8	8.625	8.329	8.125	8.071	7.981	7.981	7.813	7.625	7.625	7.437	7.187	7.001	6.813	6.875
10	10.75	10.42	10.25	10.13	10.02	10.02	9.750	9.750	9.562	9.312	0.062	8.750	8.500	8.750
12	0	0	0	6	0	0	11.62	11.75	11.37	11.06	10.75	10.50	10.50	10.75
14	12.75	12.39	12.25	12.09	12.00	11.93	6	0	4	2	0	0	0	0
	0	0	0	0	0	8	12.81	13.00	12.50	12.12	11.81	11.50	11.50	....



16	14.00 0 16.00 0	13.50 0 15.50 0	13.37 6 15.37 6	13.25 0 15.25 0	13.25 0 15.25 0	13.12 4 15.00 0	2 14.68 8	0 15.00 0	0 14.31 2	4 13.93 8	4 13.56 4	0 13.12 4	0 13.12 4	....
18 20 24	18.00 0 20.00 0 24.00 0	17.50 0 19.50 0 23.50 0	17.37 6 19.25 0 23.25 0	17.12 4 19.00 0 22.87 6	17.25 0 19.25 0 23.25 0	16.87 6 18.81 2 22.62 4	16.50 0 18.37 6 22.06 2	17.00 0 19.00 0 23.00 0	16.12 4 17.93 8 21.56 2	15.68 8 17.43 8 20.93 8	15.25 0 17.00 0 20.37 6	14.87 6 16.50 0 19.87 6	14.43 8 16.06 2 19.31 2	.... .... ....
30 36 42	30.00 0 36.00 0 42.00 0	29.37 6 35.37 6 .....	29.00 0 35.00 0	28.75 0 34.75 0	29.25 0 35.25 0 41.25 0	.... 34.50 0 ....	.... .... ....	29.00 0 35.00 0 41.00 0	.... .... ....	.... .... ....	.... .... ....	.... .... ....	.... .... ....	.... .... ....

### DIN 2527

	NW	D	Flange		Raised Face		Number	Bolts	Bolts	Dia. of Bolt Hole	Weight of One Flange Bolt (7.85 kg/dm <sup>3</sup> )	
			b	k	d <sub>4</sub>	f					d <sub>2</sub>	Type-B kg
ND-6	10	75	12	50	35	2	4	M10	—	11.5	0.38	0.33
	15	80	12	55	40	2	4	M10	—	11.5	0.44	0.38
	20	90	14	65	50	2	4	M10	—	11.5	0.65	0.59
	25	100	14	75	60	2	4	M10	—	11.5	0.82	0.74
	32	120	14	90	70	2	4	M12	(1/2")	14.0	1.17	1.07
	40	130	14	100	80	3	4	M12	(1/2")	14.0	1.39	1.21
	50	140	14	110	90	3	4	M12	(1/2")	14	1.62	1.43

	65	160	14	130	110	3	4	M12	(1/2")	14	2.44	2.21
	80	190	16	150	128	3	4	M16	(3/8")	18	3.43	3.09
	100	210	16	170	148	3	4	M16	(5/8")	18	4.76	4.37
	125	240	18	200	178	3	8	M16	(5/8")	18	6.11	5.68
	150	265	18	225	202	3	8	M16	(5/8")	18	7.51	7.02
	(175)	295	20	255	232	3	8	M16	(5/8")	18	10.4	9.85
	200	320	20	280	258	3	8	M16	(5/8")	18	12.3	11.7
	250	375	22	335	312	3	12	M16	(5/8")	18	18.3	17.6
	300	440	22	395	365	4	12	M20	(3/4")	23	25.3	24.0
	350	490	22	445	415	4	12	M20	(3/4")	23	31.6	30.1
	400	540	22	495	465	4	16	M20	(3/4")	23	38.4	36.4
	500	645	24	600	570	4	20	M20	(3/4")	23	60.4	58.1
ND-10	200	340	24	295	268	3	8	M20	(3/4")	23	16.5	15.6
	250	395	26	350	320	3	12	M20	(3/4")	23	24.0	23.1
(Note from 10 mm to 175 mm see ND-16	300	445	26	400	370	4	12	M20	(3/4")	23	30.9	29.4
	350	505	26	460	430	4	16	M20	(3/4")	23	40.6	38.0
	400	565	26	515	482	4	16	M24	(3/4")	27	49.4	47.5
	500	670	28	620	585	4	20	M24	(3/4")	27	75.0	72.7
ND-16	10	90	14	60	40	2	4	M12	(1/2")	14	0.63	0.56
	15	95	14	65	45	2	4	M12	(1/2")	14	0.72	0.64
	20	105	16	75	58	2	4	M12	(1/2")	14	1.01	0.93
	25	115	14	60	40	2	4	M12	(1/2")	14	1.23	1.13
Note : For DIN 2527 ND-10-4 Holes	32	140	14	65	45	2	4	M16	(5/8")	18	1.80	1.66
	40	150	16	75	58	2	4	M16	(5/8")	18	2.09	1.85
	50	165	18	125	102	3	4	M16	(5/8")	18	2.88	2.59
	65	185	18	145	122	3	4	M16	(5/8")	18	3.66	3.33
	80	200	20	160	138	3	4/8	M16	(5/8")	18	4.77	4.34

	100	220	20	180	158	3	8	M16	(5/8")	18	2.88	2.59
	125	250	22	210	188	3	8	M16	(5/8")	18	3.66	3.33
	150	285	22	240	212	3	8	M16	(5/8")	18	4.77	4.34
	100	220	20	180	158	3	8	M16	(5/8")	18	5.65	5.26
	125	250	22	210	188	3	8	M16	(5/8")	18	8.42	7.67
	150	285	22	240	212	3	8	M20	(3/4")	23	10.4	9.85
	(175)	315	24	270	242	3	8	M20	(3/4")	23	14.0	13.5
	200	340	24	295	268	3	12	M20	(3/4")	23	16.1	15.6
	250	405	26	355	320	3	12	M20	(7/8")	27	24.9	23.9
	300	460	28	410	378	4	12	M24	(7/8")	27	35.1	33.6
	350	520	30	470	438	4	16	M24	(7/8")	27	47.8	46.2
	400	580	32	525	490	4	16	M27	(1")	30	63.5	61.5
	500	715	34	650	610	4	20	M30	(1-1/8")	33	102	99.5
ND-25	(175)	330	28	280	248	3	12	M24	(7/8")	27	17.3	16.5
	200	360	30	310	278	3	12	M24	(7/8")	27	22.3	21.5
	250	425	32	370	335	3	12	M24	(1")	30	33.5	32.5
Note: From 10mm to 150 mm see ND-40	300	485	34	430	395	4	16	M27	(1-1/8")	30	46.3	44.7
	350	555	38	490	450	4	16	M30	(1-1/4")	33	68.0	65.9
	400	620	40	550	505	4	16	M33	(1-1/4")	36	89.7	87.0
	500	730	44	660	615	4	20	M33	(1-1/4")	36	138	134
ND-40	10	90	16	60	40	2	4	M12	(1/2")	14	0.72	0.62
	15	95	16	65	45	2	4	M12	(1/2")	14	0.81	0.74
	20	105	16	75	58	2	4	M12	(1/2")	14	1.24	1.05
	25	115	18	85	68	2	4	M12	(1/2")	14	1.38	1.31

32	140	18	100	78	2	4	M12	(5/8")	18	2.03	1.82
40	150	18	110	88	2	4	M12	(5/8")	18	2.35	2.11
50	165	20	125	102	3	4	M16	(5/8")	18	3.20	2.91
65	185	22	145	122	3	8	M16	(5/8")	18	4.29	4.13
80	200	24	160	138	3	8	M16	(5/8")	18	5.88	5.21
100	235	24	190	162	3	8	M20	(3/4")	23	7.54	7.08
125	270	26	220	188	3	8	M24	(7/8")	27	10.8	10.4
150	300	28	250	218	3	8	M24	(7/8")	27	14.5	13.9
175	350	32	295	260	3	12	M27	(1")	30	22.1	21.3
200	375	34	320	285	3	12	M27	(1")	30	27.2	26.2
250	450	38	385	345	3	12	M27	(1-1/8")	30	43.8	43.1
300	515	42	450	410	4	16	M30	(1-1/8")	33	63.3	62.2
350	580	46	510	465	4	16	M33	(1-1/8")	36	89.5	87.2
400	660	50	585	535	4	16	M36	(1-1/8")	39	127	124
500	755	52	670	615	4	20	M39	(1-1/2")	42	172	168

### DIN 2576

#### FLANGES, SLIP-ON TYPE FOR BRITISH OR WELDING NOMINAL PRESSURE 10

Pipe		Flange				Bolts				Weight of one flange 7.85 kg/ dm <sup>3</sup> ) kg
NW	d1	ds	D	b1	k	Number	Thread		d2	
10	14	14.5	90	14	60	4	M12	(1/2")	14	0.613
	17.2)	17.7								0.605
15	20	20.5	95	14	65	4	M12	(1/2")	14	0.675
	21.3)	21.8								0.669

20	25 26.9)	25.5 27.4	105	16	75	4	M12	(1/2")	14	0.947 0.936
25	30 33.7)	30.5 34.2	115	16	85	4	M12	(1/2")	14	1.14 1.11
32	38 42.4)	38.5 42.9	140	16	100	4	M16	(5/8")	18	1.66 1.62
40	44.5 48.3)	45 48.8	150	16	110	4	M16	(5/8")	18	1.89 1.86
50	57 60.3)	57.5 60.8	165	18	125	4	M16	(5/8")	18	2.51 2.47
65	76.1)	76.6	185	18	145	4	M16	(5/8")	18	3.00
80	88.9)	89.4	200	20	160	4	M16	(5/8")	18	3.79
100	108 114.3)	108.5 114.8	220	20	180	8	M16	(5/8")	18	4.20 4.03
125	133 139.7)	133.5 140.2	250	22	210	8	M16	(5/8")	18	5.71 5.46
150	159 168.3)	159.5 168.8	285	22	210	8	M16	(3/4")	23	6.72 6.57
175	191 193.7)	192 194.7	315	24	270	8	M20	(3/4")	23	8.60 8.45
200	216 219.1)	216 220.1	340	24	295	8	M20	(3/4")	23	9.50 9.31
250	267 273)	268 274	395	26	350	12	M20	(3/4")	23	12.5 11.9
400	406.4 419	407.4 420	565	32	515	16	M24	(7/8")	27	27.9 25.9
500	508) 521	509 522	670	38	620	20	M24	(7/8")	27	37.9 41.1

**DIN 2632**  
**WELDING NECK FLANGES FOR NOMINAL PRESSURE 10**

Pipe		Flange				Neck				Raised face		Bolts			Weight of one flange 7.85 kg/dm <sup>3</sup> ) kg	
NW	d1	D	b	k	h1	d3	s	f	h2	d4	f	No.	Thread	d2		
200	216	340	24	295	62	232	5.9	10	16	268	3	8	M20	(3/4")	23	11.3
	219.1					235										14.7
250	267	395	26	350	68	285	6.3	12	16	320	3	12	M20	(3/4")	23	17.6
	273					295										21.4
300	318	445	26	400	68	335	7.1	12	16	370	4	16	M24	(3/8")	27	26.1
	323.9					344										34.7
350	355.6	505	26	460	68	385	7.1	12	16	430	4	20	M27	(1")	30	42.2
	368					440										11.3
400	406.4	565	26	515	72	440	7.1	12	16	482	4	16	M24	(3/8")	27	17.6
	419					542										26.1
500	508	670	28	620	75	542	7.1	12	16	585	4	20	M24	(3/8")	27	34.7
	521					642										34.7
600	609.6	780	28	725	80	642	7.1	12	18	685	5	20	M27	(1")	30	42.2
	622					725										42.2

**DIN 2633**  
**WELDING NECK FLANGES NOMINAL PRESSURE 16**

Pipe		Flange				Neck				Raised face		Bolts			Weight of one flange 7.85 kg/dm <sup>3</sup> ) kg
NW	d1	D	b	k	h1	d3	s	r	h2	d4	f	No.	Thread	d2	

10	14	90	14	60	35	25	1.8	4	6	40	2	M12 (1/2")	14	0.580			
	17.2					28											
15	20	95	14	65	35	30	2	4	6	45	2				0.648		
	21.3					32											
20	25	105	16	85	38	42	2.3	4	6	58	2				0.952		
	26.9					45											
25	30	115	16	85	38	42	2.6	4	6	68	2			M16 (5/8")	18	1.14	
	33.7					45											
32	38	140	16	100	40	52	2.6	4	6	78	2						1.69
	42.4					56											
40	44.5	150	16	100	40	60	2.6	6	6	88	3						1.86
	48.3					64											
50	57	165	18	125	45	72	2.9	6	8	102	3		2.53				
	60.3					75											
65	76.1	185	18	145	45	90	2.9	6	10	122	3		306				
80	88.9	200	20	160	50	105	3.2	8	10	138	3	4/8				3.70	
100	108	220	20	180	52	125	3.6	8	12	158	3	M20 (3/4")	23			4.62	
	114.3					131											
125	133	250	22	210	55	150	4	8	12	188	3			8		6.30	
	139.7					156											
150	159	285	22	240	55	150	4	8	12	188	3					7.75	
	168.3					156											

175	191	315	24	270	60	208	5.4	10	12	242	3	8	M20	(3/4")	23	10.0								
	193.7					210																		
200	216	340	24	295	62	232	5.9	10	16	268	3	12			M24	(7/8")	27	11.0						
	219.1					235																		
250	267	405	26	355	70	285	6.3	12	16	320	3	12					M27	(1")	30	15.6				
	273					292																		
300	318	460	28	410	78	388	7.1	12	16	378	4	16							M30	(1-1/8")	33	22.0		
	323.9					344																		
350	355.6	520	30	470	82	390	8	12	16	438	4	16									M33	(1-1/4")	36	28.7
	368																							
400	406.4	580	32	525	85	445	8	12	16	490	4	20	M36	(1-3/8")									39	
	419																							36.3
500	508	715	34	650	90	548	8	12	16	610	4	24			M36	(1-3/8")							39	59.3
	521																							
600	609.6	840	36	770	95	652	8.8	12	18	725	5	24					M36	(1-3/8")					39	73.4
	622																							
700	711.2	910	36	840	100	755	8.8	12	18	795	5	24							M36	(1-3/8")			39	75.0
	720																							
800	812.8	1025	38	950	105	855	10	12	20	900	5	24									M36	(1-3/8")	39	99.0
	820																							
900	914.4	1125	40	1050	110	955	10	12	20	1000	5	28	M36	(1-3/8")									39	
	920																							119



1000	1016	1255	42	1170	120	1058	10	16	22	1115	5	M39	(1-1/2")	42	159
	1020														

**DIN 2634  
WELDING NECK FLANGE NOMINAL PRESSURE 25**

Pipe		Flange				Neck				Raised face		Bolts			Weight of one flange (7.85 kg/dm <sup>3</sup> ) kg.				
NW	d1	D	b	k	h1	d3	s	r	h2	d4	f	No.	Thread	d2					
175	(191)	330	28	280	75	215	5.6	10	15	248	3	12	M24	(7/8")	27	13.4			
	193.7					218										17.0			
200	216	360	30	310	80	240	6.3	10	16	278	3					M27	(1")	30	24.4
	219.1					244													31.2
250	267	425	32	370	88	292	7.1	12	18	335	3					M30	(1-1/8")	33	45.0
	273					298													58.7
300	318	485	34	430	92	345	8	12	18	395	4		M33	(1-1/4")	36	86.1			
	323.9					352										101			
350	355.6	555	38	490	100	398	8	12	20	450	4		20	M36	(1-3/8")	39	101		
	368																		
400	406.4	620	40	550	110	452	8.8	12	20	505	4		20	M36	(1-3/8")	39	101		
	419																		
500	508	730	44	660	125	558	10	12	20	615	4	20	M33	(1-1/4")	36	86.1			
	521																		
600	609.6	845	46	770	125	660	11	12	20	720	5	20	M36	(1-3/8")	39	101			
	622																		

**DIN 2642, DIN Connections  
LOOSE FLANGE FOR FLANGE COLLAR PN 10**

Nom Pipe size	Flange D mm	d5 mm	b mm	r mm	k mm	Drilling Number	d2 mm	Weight kg	Collar g mm
10	90	16	16	5	60	4	15	0.23	45
15	95	23	16	5	65	4	15	0.26	50
20	105	28	16	5	75	4	15	0.30	60
25	115	33	16	5	85	4	15	0.37	70
32	140	42	16	5	100	4	18	0.54	82
40	150	50	16	5	110	4	18	0.5	0.92
50	165	62	18	5	125	4	18	0.80	107
65	185	81	18	5	145	4	18	0.90	127
80	200	94	20	5	160	4	18	1.28	142
100	220	113	20	5	180	8	18	1.37	162
125	250	138	22	6	210	8	18	1.78	192
150	285	164	22	6	240	8	22	2.27	218
175	315	195	24	6	270	8	22	2.90	248
200	340	222	24	7	295	8	22	3.16	273
250	395	273	26	7	350	12	22	4.22	328
300	445	324	26	7	400	12	22	4.80	378
350	505	374	26	8	460	16	22	5.85	438
400	565	426	32	8	515	16	25	8.45	490
450	615	475	32	8	565	20	25	9.45	540
500	670	530	34	8	620	20	25	11.35	595
600	780	630	36	10	725	20	30	15.30	695
700	895	730	40	10	840	24	30	21.40	810
800	1015	832	44	10	950	24	34	30.50	916

**DIN 2642, DIN Connections  
LOOSE FLANGE FOR FLANGE COLLAR PN 10**

Pipe	Flange	Neck	Raised	Bolts	Weight of
------	--------	------	--------	-------	-----------

NW	d1	D	b	k	h1	d3	s	r	h2	d4	f	No.	Thread	d2	one flange 7.85 kg/dm3) kg
10	14	90	16	60	35	25	1.8	4	6	40	2	4	M12 (1/2")	14	0.661
	17.2					28									
15	20	95	16	65	38	30	2	4	6	45	2				0.746
	21.3					32									
20	25	105	18	75	40	38	2.3	4	6	58	2				106
	26.9					40									
25	30	115	18	85	40	42	2.6	4	6	68	2				1.29
	33.7					46									
32	38	140	18	100	42	52	2.6	6	6	78	2				1.88
	42.4					56									
40	44.5	150	18	110	45	60	2.6	6	7	88	3				2.33
	48.3					64									
50	57	165	20	125	48	72	2.9	6	8	102	3		M16 (5/8")	18	2.82
	60.3					75									
65	76.1	185	22	145	52	90	2.9	6	10	122	3				3.74
80	88.9	200	24	160	58	105	3.2	8	12	138	3				4.75
100	108	235	24	190	65	128	3.6	8	12	138	3	8	M20 (3/4")	23	6.52
	114.3					134									
125	133	270	26	220	68	155	4	8	12	188	3	8	M24 (7/8")	27	9.07
	139.7					162									

150	159	300	28	250	75	182	4.5	10	12	188	3		M24	(7/8")		11.8
	168.3					192										
175	191	350	32	295	82	215	5.6	10	16	285	3	12	M27	(1")	30	18.2
	193.7					218										
200	216	375	34	320	88	240	6.3	10	16	285	3					21.5
	219.1					244										
250	267	450	38	385	105	298	7.1	12	18	345	3					34.9
	273					306										
300	318	515	42	450	115	352	8	12	18	410	4	16	M30	(1-1/8")	33	49.7
	323.9					362										
350	355.6	580	46	510	125	408	8.8	12	20	460	4		M33	(1-1/4")	36	
	368															68.1
400	406.4	660	50	585	135	462	11	12	20	535	4		M36	(1-3/8")	39	
	419															96.5
500	508	755	52	670	140	562	14.2	12	20	615	4	20	M39	(1-1/2")	42	
	521															117

[/vc\_column][/vc\_row]