



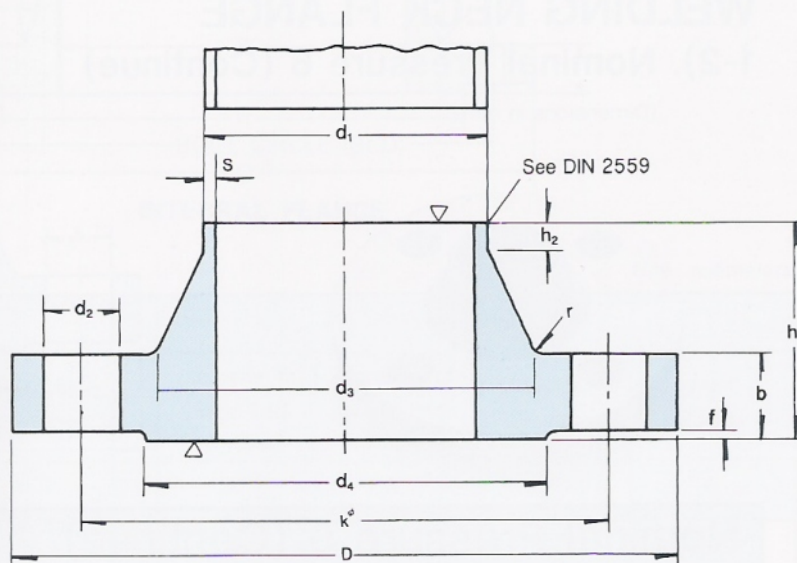
DIN FLANGE DIN 2631

WELDING NECK FLANGE

1-1). Nominal Pressure 6

The flanges with the dimensions of this standard and made of St.37-2 material can be used at maximum 120 °C temperature with up to 6 kg/cm² of working pressure.

At higher temperature of 120 °C to 300 °C, it should be taken into consideration that the material yield point becomes low.



(Dimensions in mm)

Nominal Pressure 6																
Pipe		Flange				Neck				Raised Face		Drilling				Approx. Weight (7.85 kg/dm ³) kg
Nominal Size	d ₁	D	b	k	h ₁	d ₃	s	r	h ₂	d ₄	f	Number of Holes	Bolt Diameter	d ₂		
10	14 17.2*)	75	12	50	28	22 26	1.8	4	6	35	2	4	M10	-	11.5	0.335
15	20 21.3*)	80	12	55	30	28 30	2	4	6	40	2	4	M10	-	11.5	0.392
20	25 26.9*)	90	14	65	32	35 38	2.3	4	6	50	2	4	M10	-	11.5	0.592
25	30 33.7*)	100	14	75	35	40 42	2.6	4	6	60	2	4	M10	-	11.5	0.747
32	38 42.4*)	120	14	90	35	50 55	2.6	6	6	70	2	4	M12	(1/2")	14	1.05
40	44.5 48.3*)	130	14	100	38	58 62	2.6	6	7	80	3	4	M12	(1/2")	14	1.18
50	57 60.3*)	140	14	110	38	70 74	2.9	6	8	90	3	4	M12	(1/2")	14	1.34
65	76.1*)	160	14	130	38	88	2.9	6	9	110	3	4	M12	(1/2")	14	1.67
80	88.9*)	190	16	150	42	102	3.2	8	10	128	3	4	M16	(5/8")	18	2.71
100	108 114.3*)	210	16	170	45	122 130	3.6	8	10	148	3	4	M16	(5/8")	18	3.24
125	133 139.7*)	240	18	200	48	148 155	4	8	10	178	3	8	M16	(5/8")	18	4.49
150	159 168.3*)	265	18	225	48	172 184	4.5	10	12	202	3	8	M16	(5/8")	18	5.15
200	216 219.1*)	320	20	280	55	230 236	5.9	10	15	258	3	8	M16	(5/8")	18	7.78
250	267 273*)	375	22	335	60	282 290	6.3	12	15	312	3	12	M16	(5/8")	18	10.8
300	318 323.9*)	440	22	395	62	335 342	7.1	12	15	365	4	12	M20	(3/4")	23	14.0
350	368 355.6*)	490	22	445	62	385	7.1	12	15	415	4	12	M20	(3/4")	23	16.1

*) Outer diameter of pipe corresponds to ISO recommendation R64.

Material (to be specified by orderer):

St.37-2 by DIN 17100 for temperature ≤ 300 °C.

Weldable heat-treated steel for temperature 300 °C.

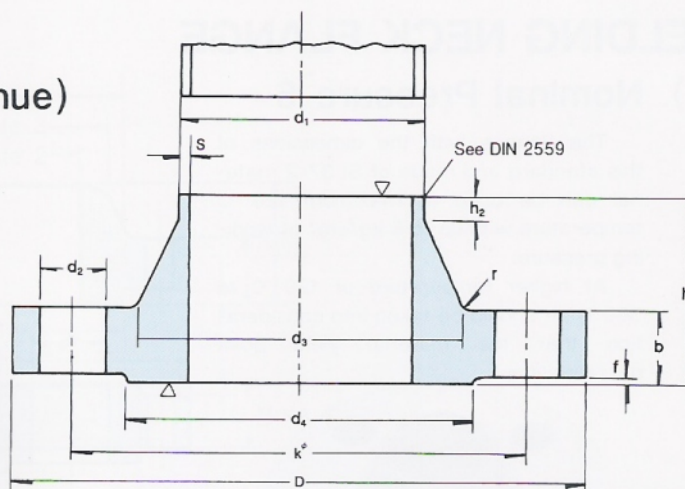
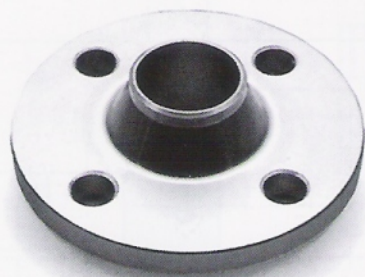
Process: Machining the outside diameter, bore, gasket surface, bevel end for welding, and bolt holes.



WELDING NECK FLANGE

1-2). Nominal Pressure 6 (Continue)

(Dimensions in mm)



(Dimensions in mm)

Nominal Pressure 6 (Continue)

Pipe		Flange				Neck				Raised Face		Drilling				Approx. Weight (7.85 kg/dm³) kg
Nominal Size	d ₁	D	b	k	h ₁	d ₃	s	r	h ₂ ≈	d ₄	f	Number of Holes	Bolt Diameter		d ₂	
400	419 406.4*)	540	22	495	65	438	7.1	12	15	465	4	16	M20	(3/4")	23	18.3
500	521 508*)	645	24	600	68	538	7.1	12	15	570	4	20	M20	(3/4")	23	24.6
600	622 609.6*)	755	24	705	70	640	7.1	12	16	670	5	20	M24	(7/8")	27	31.5
700	720 711.2*)	860	24	810	70	740	7.1	12	16	775	5	24	M24	(7/8")	27	37.4
800	820 812.8*)	975	24	920	70	842	7.1	12	16	880	5	24	M27	(1")	30	46.1
900	920 914.4*)	1075	26	1020	70	942	7.1	12	16	980	5	24	M27	(1")	30	55.6
1000	1020 1016*)	1175	26	1120	70	1045	7.1	16	16	1080	5	28	M27	(1")	30	61.9
1200	1220	1405	28	1340	90	1248	8	16	20	1295	5	32	M30	(1 1/8")	33	100
1400	1420	1630	32	1560	90	1452	8	16	20	1510	5	36	M33	(1 1/4")	36	149
1600	1620	1830	34	1760	90	1655	9	16	20	1710	5	40	M33	(1 1/4")	36	180
1800	1820	2045	36	1970	100	1855	10	16	20	1920	5	44	M36	(1 3/8")	39	225
2000	2020	2265	38	2180	110	2058	11	16	25	2125	5	48	M39	(1 1/2")	42	295
2200	2220	2475	42	2390	115	2260	12	18	25	2335	6	52	M39	(1 1/2")	42	361
2400	2420	2685	44	2600	125	2462	13	18	25	2545	6	56	M39	(1 1/2")	42	415
2600	2620	2905	46	2810	130	2665	14	18	25	2750	6	60	M45	(1 3/4")	48	530
2800	2820	3115	48	3020	135	2865	15	18	30	2960	6	64	M45	(1 3/4")	48	643
3000	3020	3315	50	3220	140	3068	16	18	30	3160	6	68	M45	(1 3/4")	48	777
3200	3220	3525	54	3430	150	3272	16	20	30	3370	6	72	M45	(1 3/4")	48	851
3400	3420	3735	56	3640	160	3475	18	20	35	3580	6	76	M45	(1 3/4")	48	993
3600	3620	3970	60	3860	165	3678	18	20	35	3790	6	80	M52	(2")	56	1001

*) Outer diameter of pipe corresponds to ISO recommendation R64.
Material (to be specified by orderer):
St.37-2 by DIN 17100 for temperature ≤ 300 °C

Weldable heat-treated steel for temperature > 300 °C .
Process: Machining the outside diameter; bore, gasket surface, bevel end for welding, and bolt holes.