



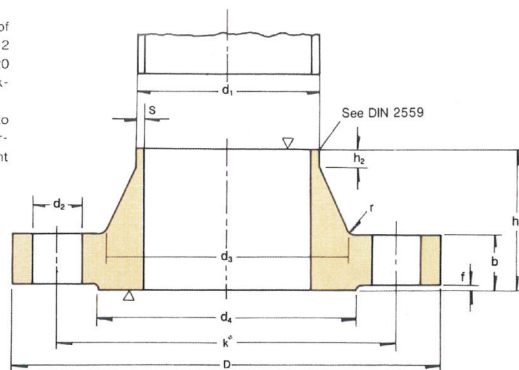
DIN FLANGE DIN 2633

WELDING NECK FLANGE

3-1). Nominal Pressure 16

The flanges with the dimensions of this standard and made of St.37-2 material can be used at maximum 120 °C temperature with 16 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 16

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		
10	14 (1.2")	90	14	60	35	25 28	1.8	4	6	40	2	4	M12	(1/2")	14	0.580
15	20 (2.3")	95	14	65	35	30 32	2	4	6	45	2	4	M12	(1/2")	14	0.648
20	25 (2.6")	105	16	75	38	38 40	2.3	4	6	58	2	4	M12	(1/2")	14	0.952
25	30 (3.3")	115	16	85	38	42 45	2.6	4	6	68	2	4	M12	(1/2")	14	1.14
32	38 (4.2")	140	16	100	40	52 56	2.6	6	6	78	2	4	M16	(5/8")	18	1.69
40	44.5 (4.8")	150	16	110	42	60 64	2.6	6	7	88	3	4	M16	(5/8")	18	1.86
50	57 (6.0")	165	18	125	45	72 75	2.9	6	8	102	3	4	M16	(5/8")	18	2.53
65	76.1")	185	18	145	45	90	2.9	6	10	122	3	4	M16	(5/8")	18	3.06
80	88.9")	200	20	160	50	105	3.2	8	10	138	3	4/8")	M16	(5/8")	18	3.70
100	108 (11.4")	220	20	180	52	125 131	3.6	8	12	158	3	8	M16	(5/8")	18	4.62
125	133 (13.9")	250	22	210	55	150 156	4	8	12	188	3	8	M16	(5/8")	18	6.30
150	159 (16.8")	285	22	240	55	175 184	4.5	10	12	212	3	8	M20	(3/4")	23	7.75

*) 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.

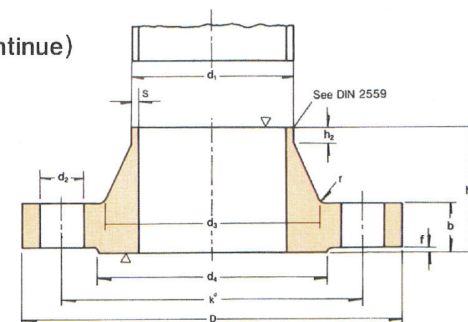
Process: Machining the outside diameter, bore, gasket surface, bevel end for welding, and bolt holes.

DIN FLANGE DIN 2633



WELDING NECK FLANGE

3-2). Nominal Pressure 16 (Continue)



(Dimensions in mm)

Nominal Pressure 16 (Continue)

Pipe		Flange					Neck				Raised Face		Drilling				Approx. Weight (7.85 kg/dm³) kg ≈
Nominal Size	d₁	D	b	k	h₁	d₃	s	r	h₂ ≈	d₄	f	Number of Holes	Bolt Diameter	d₂			
(175)	191 193.7*)	315	24	270	60	208 210	5.4	10	12	242	3	8	M20	(3/4")	23	10.0	
200	216 219.1*)	340	24	295	62	232 235	5.9	10	16	268	3	12	M20	(3/4")	23	11.0	
250	267 273*)	405	26	355	70	285 292	6.3	12	16	320	3	12	M24	(7/8")	27	15.6	
300	318 323.9*)	460	28	410	78	338 344	7.1	12	16	378	4	12	M24	(7/8")	27	22.0	
350	355.6*) 368	520	30	470	82	390	8	12	16	438	4	16	M24	(7/8")	27	28.7	
400	406.4*) 419	580	32	525	85	445	8	12	16	490	4	16	M27	(1")	30	36.3	
500	508*) 521	715	34	650	90	548	8	12	16	610	4	20	M30	(1 1/8")	33	59.3	
600	609.6*) 622	840	36	770	95	652	8.8	12	18	725	5	20	M33	(1 1/4")	36	73.4	
700	711.2*) 720	910	36	840	100	755	8.8	12	18	795	5	24	M33	(1 1/4")	36	75.0	
800	812.8*) 820	1025	38	950	105	855	10	12	20	900	5	24	M36	(1 3/8")	39	99.0	
900	914.4*) 920	1125	40	1050	110	955	10	12	20	1000	5	28	M36	(1 3/8")	39	119	
1000	1016*) 1020	1255	42	1170	120	1058	10	16	22	1115	5	28	M39	(1 1/2")	42	159	
1200	1220	1485	48	1390	130	1262	12.5	16	30	1330	5	32	M45	(1 3/4")	48	243	
1400	1420	1685	52	1590	145	1465	14.2	16	30	1530	5	36	M45	(1 3/4")	48	323	
1600	1620	1930	58	1820	160	1668	16	16	35	1750	5	40	M52	(2")	56	479	
1800	1820	2130	62	2020	170	1870	17.5	16	35	1950	5	44	M52	(2")	56	599	
2000	2020	2345	66	2230	180	2072	20	16	40	2150	5	48	M56	(2 1/4")	62	719	

*) 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.