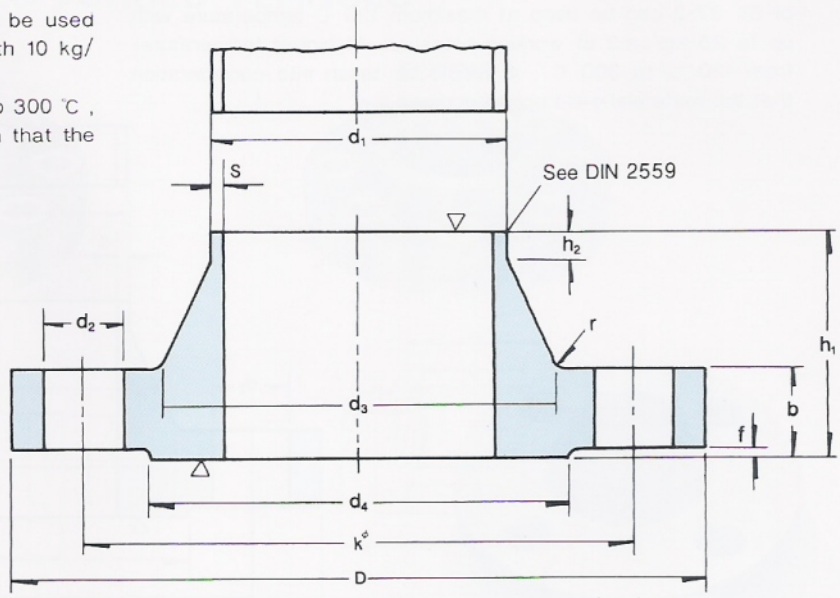
DIN FLANGE DIN 2635

WELDING NECK FLANGE

5-1). Nominal Pressure 40

The flanges with the dimensions of this standard and made of St.37-2 can be used at maximum 120 ℃ temperature with 10 kg/cm² of working pressure.

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



(Dimensions in mm)

Nominal Pressure 40

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 17.2*)	90	16	60	35	25 28	1.8	4	6	40	2	4	M12	(1/2")	14	0.661
15	20 21.3*)	95	16	65	38	30 32	2	4	6	45	2	4	M12	(1/2")	14	0.746
20	25 26.9*)	105	18	75	40	38 40	2.3	4	6	58	2	4	M12	(1/2")	14	1.06
25	30 33.7*)	115	18	85	40	42 46	2.6	4	6	68	2	4	M12	(1/2")	14	1.29
32	38 42.4*)	140	18	100	42	52 56	2.6	6	6	78	2	4	M16	(5/8")	18	1.88
40	44.5 48.3*)	150	18	110	45	60 64	2.6	6	7	88	3	4	M16	(5/8")	18	2.33
50	57 60.3*)	165	20	125	48	72 75	2.9	6	8	102	3	4	M16	(5/8")	18	2.82
65	76.1*)	185	22	145	52	90	2.9	6	10	122	3	8	M16	(5/8")	18	3.74
80	88.9*)	200	24	160	58	105	3.2	8	12	138	3	8	M16	(5/8")	18	4.75
100	108 114.3*)	235	24	190	65	128 134	3.6	8	12	162	3	8	M20	(3/4")	23	6.52

Size in parentheses should preferably be avoided.

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

Material (to be specified by orderer):

St.37-2 by DIN 17100 for temperature ≦ 300 ℃.

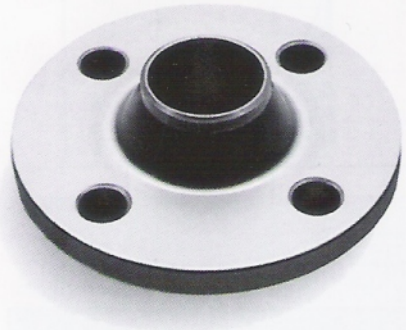
Weldable heat-treated steel for temperature > 300 ℃.

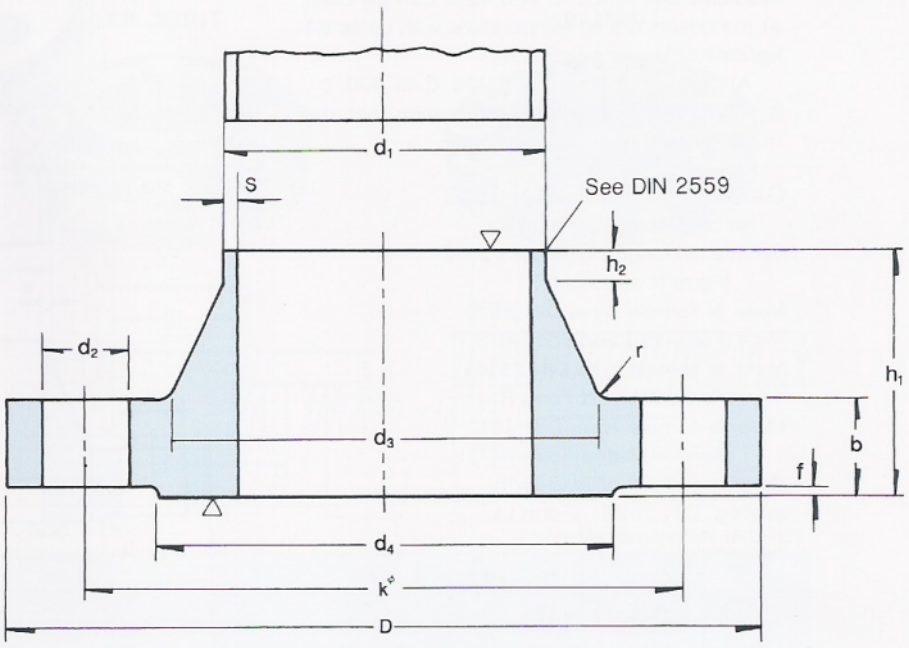
Process: Machining the outside diameter, bore, gasket surface, bevel end for welding, and bolt holes.

DIN FLANGE DIN 2635

WELDING NECK FLANGE

5-2). Nominal Pressure 40 (Continue)





(Dimensions in mm)

Nominal Pressure 40 (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	
125	133 139.7*)	270	26	220	68	155 162	4	8	12	188	3	8	M24	(7/8")	27	9.07
150	159 168.3*)	300	28	250	75	182 192	4.5	10	12	218	3	8	M24	(7/8")	27	11.8
(175)	(191) 193.7*)	350	32	295	82	215 218	5.6	10	15	260	3	12	M27	(1")	30	18.2
200	216 219.1*)	375	34	320	88	240 244	6.3	10	16	285	3	12	M27	(1")	30	21.5
250	267 273*)	450	38	385	105	298 306	7.1	12	18	345	3	12	M30	(1 1/8")	33	34.9
300	318 323.9*)	515	42	450	115	352 362	8	12	18	410	4	16	M30	(1 1/8")	33	49.7
350	368 355.6*)	580	46	510	125	408	8.8	12	20	460	4	16	M33	(1 1/4")	36	68.1
400	419 406.4*)	660	50	585	135	462	11	12	20	535	4	16	M36	(1 3/8")	39	96.5
500	521 508*)	755	52	670	140	562	14.2	12	20	615	4	20	M39	(1 1/2")	42	117

Size in parentheses should preferably be avoided.

*) 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.