DIN FLANGE DIN 2628

WELDING NECK FLANGE

9). Nominal Pressure 250

The flanges with the dimensions of this standard and made of RSt.42-2 can be used at maximum 120 ℃ temperature with up to 250kg/cm² of working pressure.

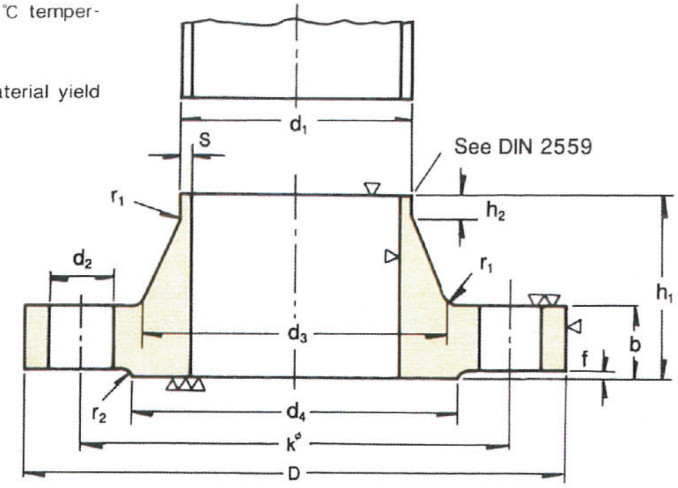
At higher temperature of 120 ℃ to 300 ℃, it should be taken into consideration that the material yield point becomes low.

GASKET SURFACE, DIN 2526:

※ Raised face(Form E)

※ Gasket surface with tapered collar for special welding, DIN 2695(Form M)

※ Gasket surface of lens-form sealing, DIN 2696(Form L)



(Dimensions in mm)

Nominal Pressure 250

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_1	h_2 ≈	d_4	f	r_2	d_5 1)	Number of holes	Bolt Diameter		d_2	
15	20 21.3*)	130	26	90	60	48	2.6	4	6	45	2	1	24	4	M16	(5/8")	18	2.47
25	30 33.7*)	150	28	105	65	60	3.6	4	8	65	2	1	35	4	M20	(3/4")	23	3.51
40	44.5 48.3*)	185	34	135	80	84	5	6	10	85	3	1.5	52	4	M24	(7/8")	27	6.45
50	57 60.3*)	200	38	150	85	95	6.3	6	10	95	3	1.5	63	8	M24	(7/8")	27	7.85
65	76.1*)	230	42	180	95	124	8	6	12	105	3	1.5	85	8	M24	(7/8")	27	12.2
80	95 101.6*)	255	46	200	102	136	11	8	12	130	3	1.5	97	8	M27	(1")	30	16.0
100	121 127*)	300	54	235	120	164	14.2	8	14	160	3	1.5	124	8	M30	(1 1/8")	33	26.3
125	(146) 152.4*)	340	60	275	140	200	16	8	16	185	3	1.5	153	12	M30	(1 1/8")	33	37.8
150	(171) 177.8*)	390	68	320	160	240	17.5	10	18	215	3	1.5	181	12	M33	(1 1/4")	36	58.0
(175)	216 219.1*)	430	74	355	170	270	22.2	10	22	270	3	1.5	218	12	M36	(1 3/8")	39	73.6
200	(241) 244.5*)	485	82	400	190	305	25	10	25	300	3	1.5	243	12	M39	(1 1/2")	42	105
250	(292) 298.5*)	585	100	490	215	385	32	12	30	350	3	1.5	298	16	M45	(1 3/4")	48	182

Size in parentheses should preferably be avoided.

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

1) Diameter for the lens sealing by DIN 2696. Refer to DIN 2629 for nominal size 10.

Material (to be specified by orderer):

RSt.42-2 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, spot face for nut, and bolt holes.

Marking: Every flange should be marked with the following data at the outside diameter:
Company mark, nominal size, nominal pressure, and material.