

WELDING NECK FLANGE

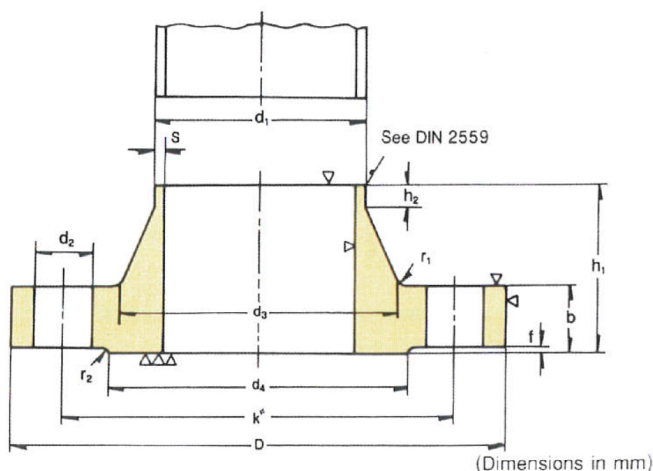
6). Nominal Pressure 64

The flanges with the dimensions of this standard and made of RSt.42-2 can be used at maximum 120 °C temperature with up to 64 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.

GASKET SURFACE, DIN 2526 :

- Raised face.....(Form E)
- Groove & tongue type, DIN 2512 (Form N and Form F)
- Male & female type, DIN 2513 (Form V13 and Form R13)
- Male & female type, DIN 2514 (Form V14 and Form R14)
- Male & female type, DIN 2517 (Form V17 and Form R17)
- Gasket surface of lens-form , sealing, DIN 2696...(Form L)



Nominal Pressure 64

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	Number of Holes	Bolt Diameter		d ₂		
50	57 60.3*)	180	26	135	62	78 82	2.9	6	10	95	3	1.5	4	M20	(3/4")	23	4.55	
65	76.1*)	205	26	160	68	98	3.2	6	12	120	3	1.5	8	M20	(3/4")	23	5.73	
80	88.9*)	215	28	170	72	112	3.6	8	12	130	3	1.5	8	M20	(3/4")	23	6.69	
100	108 114.3*)	250	30	200	78	132 138	4	8	12	160	3	1.5	8	M24	(7/8")	27	9.66	
125	133 139.7*)	295	34	240	88	162 168	4.5	8	12	185	3	1.5	8	M27	(1")	30	15.1	
150	159 168.3*)	345	36	280	95	192 202	5.6	10	12	215	3	1.5	8	M30	(1 1/8")	33	21.9	
(175)	(191) 193.7*)	375	40	310	105	225 228	6.3	10	16	245	3	1.5	12	M30	(1 1/8")	33	23.7	
200	216 219.1*)	415	42	340	110	252 256	7.1	10	16	270	3	1.5	12	M33	(1 1/4")	36	34.9	
250	267 273*)	470	46	400	125	310 316	8.8	12	18	325	3	1.5	12	M33	(1 1/4")	36	49.6	
300	318 323.9*)	530	52	460	140	365 372	11	12	18	375	4	2	16	M33	(1 1/4")	36	68.7	
350	368 355.6*)	600	56	525	150	420	12.5	12	20	435	4	2	16	M36	(1 3/8")	39	94.6	
400	419 406.4*)	670	60	585	160	475	14.2	12	20	485	4	2	16	M39	(1 1/2")	42	124	

Refer to DIN 2637 for nominal size 10-40.

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

Material (to be specified by orderer):

RSt.42-2 by DIN 17100 for temperature ≤ 300 °C .

Weldable heat-treated steel for temperature > 300 °C .

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

Marking: Every flange is marked with the following data at the outside diameter:

Company mark, nominal size, nominal pressure, and material.