



DIN FLANGE DIN 2637

WELDING NECK FLANGE

7). Nominal Pressure 100

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 100kg/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)

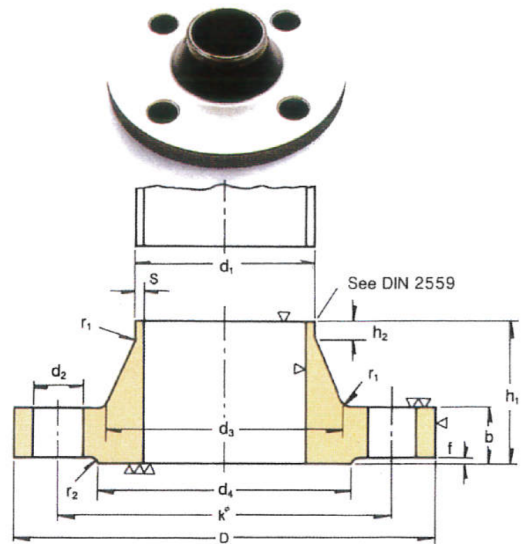
Male & female type, DIN 2513 (Form V13 and Form R13)

Male & female type, DIN 2514 (Form V14 and Form R14)

Male & female type, DIN 2517 (Form V17 and Form R17)

Gasket surface 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 100

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 ₁	h ₂	d ₄	f	r ₂	Number of Holes	Bolt Diameter	d ₂	
10	14 17.2*)	100	20	70	45	28 32	1.8	4	6	40	2	1	4	M12 (1/2")	14	1.09
15	20 21.3*)	105	20	75	45	32 34	2	4	6	45	2	1	4	M12 (1/2")	14	1.19
25	30 33.7*)	140	24	100	58	48 52	2.6	4	8	65	2	1	4	M16 (5/8")	18	2.66
32	38 42.4*)	155	24	110	60	58 62	2.6	6	8	75	2	1	4	M20 (3/4")	23	3.20
40	44.5 48.3*)	170	26	125	62	65 70	2.9	6	10	85	3	1.5	4	M20 (3/4")	23	4.09
50	57 60.3*)	195	28	145	68	86 90	3.2	6	10	95	3	1.5	4	M24 (7/8")	27	5.98
65	76.1*)	220	30	170	76	108	3.6	6	12	120	3	1.5	8	M24 (7/8")	27	7.91
80	88.9*)	230	32	180	78	120	4	8	12	130	3	1.5	8	M24 (7/8")	27	8.95
100	108 114.3*)	265	36	210	90	145 150	5	8	12	160	3	1.5	8	M27 (1")	30	13.7
125	133 139.7*)	315	40	250	105	180	6.3	8	12	185	3	1.5	8	M30 (1 1/8")	33	22.7
150	159 168.3*)	355	44	290	115	210	7.1	10	12	215	3	1.5	12	M30 (1 1/8")	33	30.2
(175)	(191) 193.7*)	385	48	320	127	245	8.8	10	16	245	3	1.5	12	M30 (1 1/8")	33	38.9
200	216 219.1*)	430	52	360	130	278	10	10	16	270	3	1.5	12	M33 (1 1/4")	36	52.8
250	267 273*)	505	60	430	157	340	12.5	12	18	325	3	1.5	12	M36 (1 3/8")	39	81.4
300	318 323.9*)	585	68	500	170	400	14.2	12	18	375	4	2	16	M39 (1 1/2")	42	122
350	368 355.6*)	655	74	560	189	460	16	12	20	435	4	2	16	M45 (1 3/4")	48	165

Size in parentheses should preferably be avoided.

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

Material (to be specified by order):

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, bevel end for welding, spot face for nut, and bolt holes.

Marking: Every flange should be marked with the following at the outside diameter:

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