

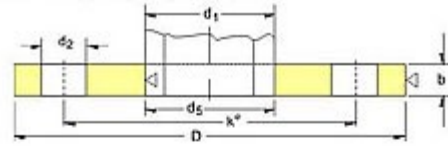
DIN FLANGE

Nominal Pressure 6



DIN 2573

Form A : Gasket Surface Unfinished
Form B : Gasket Surface Finished

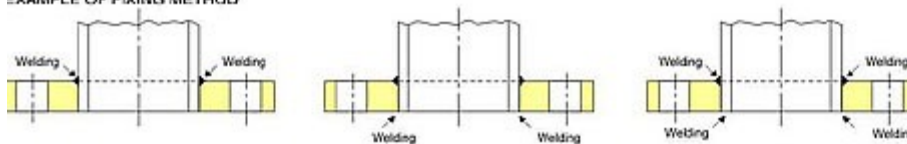


(Dimensions in mm)

Pipe		Flange				Drilling			
Nominal Size	d ₁	d ₅	D	b ¹⁾	k	Number of Holes	Bolt Diameter		d ₂
10	14 17.2 [*])	14.5 17.7	75	12	50	4	M 10	-	11.5
15	20 21.3 [*])	20.5 21.8	80	12	55	4	M 10	-	11.5
20	25 26.9 [*])	25.5 27.4	90	14	65	4	M 10	-	11.5
25	30 33.7 [*])	30.5 34.2	100	14	75	4	M 10	-	11.5
32	38 42.4 [*])	38.5 42.9	120	16	90	4	M 12	(1 / 2 [*])	14
40	44.5 48.3 [*])	45 48.8	130	16	100	4	M 12	(1 / 2 [*])	14
50	57 60.3 [*])	57.5 60.8	140	16	110	4	M 12	(1 / 2 [*])	14
65	76.1 [*])	76.6	160	16	130	4	M 12	(1 / 2 [*])	14
80	88.0 [*])	89.4	190	18	150	4	M 16	(5 / 8 [*])	18
100	108 114.3 [*])	108.5 114.0	210	18	170	4	M 16	(5 / 8 [*])	18
125	133 139.7 [*])	133.5 140.2	240	20	200	8	M 16	(5 / 8 [*])	18
150	159 168.3 [*])	159.5 168.8	265	20	225	8	M 16	(5 / 8 [*])	18
200	216 219.1 [*])	217 220.1	320	22	280	8	M 16	(5 / 8 [*])	18
250	267 273 [*])	268 274	375	24	335	12	M 16	(5 / 8 [*])	18
300	318 323.9 [*])	319 324.9	440	24	395	12	M 20	(3 / 4 [*])	23
350	355.6 [*]) 368	356.6 369	490	26	445	12	M 20	(3 / 4 [*])	23
400	406.4 [*]) 419	407.4 420	540	28	495	16	M 20	(3 / 4 [*])	23
500	508 [*]) 521	509 522	645	30	600	20	M 20	(3 / 4 [*])	23

¹⁾ Outside diameter of pipe correspond to ISO recommendation R64
1) By finishing the face, plate thickness "b" will be reduced by 1-1.5 mm
Material : St 37-2, DIN 17100
Process : Machining the outside diameter, bore, and bolt holes
A : Face unfinished
B : Face finished

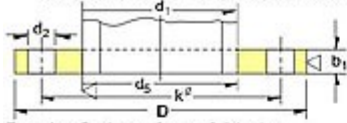
EXAMPLE OF FIXING METHOD



DIN FLANGE DIN 2576

Nominal Pressure 10

The flanges with the dimensions of this standard and made of St. 37-2 can be used with up to 10 kg/cm² of working pressure at temperature below 120° C. At the temperature over 120° C, it should be taken into consideration that the material yield point lowers.



Form A : Gasket surface unfinished –
Form B : Gasket Surface finished



[For Shipbuilders]
Form A : Gasket surface unfinished –
Form B : Gasket Surface finished

(Dimensions in mm)

Pipe		Flange				Drilling			
Nominal Size	d ₁	d ₅	D	b ₁ ¹⁾	k	Number of Holes	Bolt Diameter		d ₂
10	14 17.2°)	14.5 17.7	90	14	60	4	M 12	(1 / 2")	14
15	20 21.3°)	20.5 21.0	95	14	65	4	M 12	(1 / 2")	14
20	26 26.9°)	25.5 27.4	105	16	75	4	M 12	(1 / 2")	14
25	30 33.7°)	30.5 34.2	115	16	85	4	M 12	(1 / 2")	14
32	38 42.4°)	38.5 42.9	140	16	100	4	M 16	(5 / 8")	18
40	44.5 48.3°)	45 48.8	150	16	110	4	M 16	(5 / 8")	18
50	57 60.3°)	57.5 60.8	165	18	125	4	M 16	(5 / 8")	18
65	76.1°)	76.6	185	18	145	4	M 16	(5 / 8")	18
80	88.9°)	89.4	200	20	160	4	M 16	(5 / 8")	18
100	108 114.3°)	108.5 114.8	220	20	180	8	M 16	(5 / 8")	18
125	133 139.7°)	133.5 140.2	250	22	210	8	M 16	(5 / 8")	18
150	159 168.3°)	159.5 168.8	285	22	240	8	M 20	(3 / 4")	23
(175)	191 193.7°)	192 194.7	315	24	270	8	M 20	(3 / 4")	23
200	216 219.1°)	217 220.1	340	24	295	8	M 20	(3 / 4")	23
250	267 273°)	268 274	395	26	350	12	M 20	(3 / 4")	23
300	318 323.9°)	319 324.9	445	26	400	12	M 20	(3 / 4")	23
350	355.6°) 368	356.6 369	505	28	460	16	M 20	(3 / 4")	23
400	406.4°) 419	407.4 420	565	32	515	16	M 24	(7 / 8")	27
500	500°) 521	509 522	670	38	620	20	M 24	(7 / 8")	27

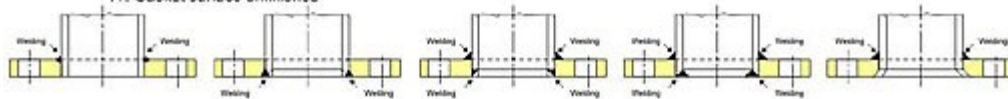
*) Outside diameter of pipe corresponds to ISO recommendation R 64.

1) By finishing the face, plate thickness b₁ is reduced by 1-1.5 mm.
Material : St 37-2, DIN 17100

Process : Machining the outside diameter, bore, and bolt holes.
A : Gasket surface unfinished

B : Gasket surface finished
[For Shipbuilders]

Machining the outside diameter, bore, and bolt holes; and Chamfering the bore edge
AS : Gasket surface unfinished
BS : Gasket surface finished



DIN FLANGE DIN 2527

(Dimensions in mm)

Nominal Pressure 16 *) 4 bolts for nominal pressure 10, DIN 2527									
Size	Flange			Raised face		Drilling			
	D	b	k	d ₁	f	Number of Holes	Bolt Diameter		d ₂
10	90	14	60	40	2	4	M 12	(1 / 2")	14
15	95	14	65	45	2	4	M 12	(1 / 2")	14
20	105	16	75	58	2	4	M 12	(1 / 2")	14
25	115	16	85	68	2	4	M 12	(1 / 2")	14
32	140	16	100	78	2	4	M 16	(5 / 8")	18
40	150	16	110	88	3	4	M 16	(5 / 8")	18
50	165	18	125	102	3	4	M 16	(5 / 8")	18
65	185	18	145	122	3	4	M 16	(5 / 8")	18
80	200	20	160	138	3	4* / 8	M 16	(5 / 8")	18
100	220	20	180	158	3	8	M 16	(5 / 8")	18
125	250	22	210	188	3	8	M 16	(5 / 8")	18
150	285	22	240	212	3	8	M 20	(3 / 4")	23
(175)	315	24	270	242	3	8	M 20	(3 / 4")	23
200	340	24	295	268	3	12	M 20	(3 / 4")	23
250	405	26	355	320	3	12	M 24	(7 / 8")	27
300	460	28	410	378	4	12	M 24	(7 / 8")	27
350	520	30	470	438	4	16	M 24	(7 / 8")	27
400	580	32	525	490	4	16	M 27	(1")	30
500	715	34	650	610	4	20	M 31	(1 1 / 8")	33
Nominal Pressure 25 For nominal size 10 - 150, refer to nominal Pressure 40									
(175)	330	28	280	248	3	12	M 24	(7 / 8")	27
200	360	30	310	278	3	12	M 24	(7 / 8")	27
250	425	32	370	335	3	12	M 27	(1")	30
300	485	34	430	395	4	16	M 27	(1")	30
350	555	38	490	450	4	16	M 30	(1 1 / 8")	33
400	620	40	550	505	4	16	M 33	(1 1 / 4")	36
500	730	44	660	615	4	20	M 33	(1 1 / 4")	36
Nominal Pressure 40									
10	90	16	60	40	2	4	M 12	(1 / 2")	14
15	95	16	65	45	2	4	M 12	(1 / 2")	14
20	105	18	75	58	2	4	M 12	(1 / 2")	14
25	115	18	85	68	2	4	M 12	(1 / 2")	14
32	140	18	100	78	2	4	M 16	(5 / 8")	18
40	150	18	110	88	3	4	M 16	(5 / 8")	18
50	165	20	125	102	3	4	M 16	(5 / 8")	18
65	185	22	145	122	3	8	M 16	(5 / 8")	18
80	200	24	160	138	3	8	M 16	(5 / 8")	18
100	235	24	190	162	3	8	M 20	(3 / 4")	23
125	270	26	220	188	3	8	M 24	(7 / 8")	27
150	300	28	250	218	3	8	M 24	(7 / 8")	27
(175)	350	32	295	260	3	12	M 27	(1")	30
200	375	34	320	285	3	12	M 27	(1")	30
250	450	38	385	345	3	12	M 30	(1 1 / 8")	33
300	515	42	450	410	4	16	M 30	(1 1 / 8")	33
350	580	46	510	465	4	16	M 33	(1 1 / 4")	36
400	660	50	585	535	4	16	M 36	(1 3 / 8")	39
500	755	52	670	615	4	20	M 39	(1 1 / 2")	42

Nominal size in parentheses should preferably be avoided. Screw thread size in parentheses shall not be used for new construction.
 Material : St 37 of DIN 17100 (For other material, please specify in the order sheet)
 St 37-2 for 12°C to 300°C temperature; Heat-treated steel for temperature over 300°C,
 e.g., C22N or alloyed steel as mentioned for pipes of DIN 17175