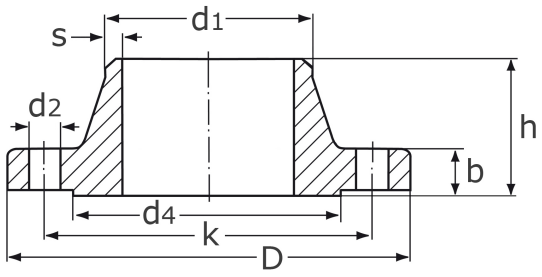
welding neck flange PN 10

short name: FL.10*

DIN 2632/C - EN 1092-1/B1



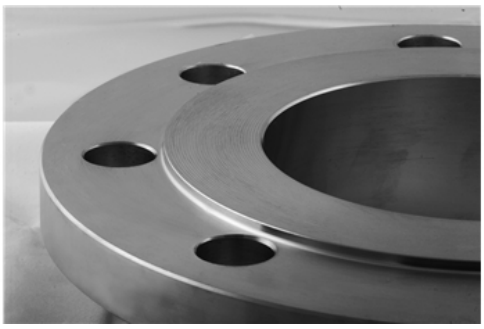
technical product sheet

DN	d1	D	b	k	h	d4	s	M	d2	Reihe	kg	Art.-Nr.
< 200								siehe PN 16			0,000	FL-000-010
200	204,0	340	24	295	62	268	2,0	8 x M20	22		11,100	FL-204-010
200	204,0	340	24	295	62	268	2,0	8 x M20	22	Metric	11,300	FL-204-010
200	205,0	340	24	295	62	268	2,5	8 x M20	22	Metric	11,300	FL-205-010
200	206,0	340	24	295	62	268	3,0	8 x M20	22	Metric	11,300	FL-206-010
200	219,1	340	24	295	62	268	6,3	8 x M20	22	ISO	11,300	FL-219-010
250	254,0	395	26	350	68	320	2,0	12x M20	22	Metric	14,700	FL-254-010
250	256,0	395	26	350	68	320	3,0	12x M20	22	Metric	16,260	FL-256-010
250	273,0	395	26	350	68	320	6,3	12x M20	22	ISO	15,700	FL-273-010
300	304,0	445	26	400	68	370	2,0	12x M20	22	Metric	17,510	FL-304-010
300	306,0	445	26	400	68	370	3,0	12x M20	22	Metric	17,400	FL-306-010
300	323,9	445	26	400	68	370	7,1	12x M20	22	ISO	18,300	FL-323-010
350	355,6	505	26	460	68	430	7,1	16x M20	22	ISO	26,240	FL-355-010
400	406,4	565	26	515	72	482	7,1	16x M24	26	ISO	31,140	FL-406-010
400	406,4	565	26	515	-128	482	7,1	16x M24	26	ISO	32,000	FL-406-010
450	457,0	615	28	565	72	532	7,1	20x M24	26	ISO	35,100	FL-457-010
500	506,0	670	28	620	75	585	3,0	20x M24	26	Metric	38,100	FL-506-010
500	508,0	670	28	620	75	585	7,1	20x M24	26	ISO	38,100	FL-508-010
600	610,0	780	30	725	82	685	8,0	20x M27	30	ISO	52,900	FL-610-010
700	711,2	895		840		800	8,8	24x M27	30	ISO	75,800	FL-711-010
700	711,2	895	35	840	85	800	8,8	24x M27	30	ISO	75,800	FL-711-010
800	813,0	1015		950		905	8,0	24x M30	33	ISO	84,100	FL-813-010
800	813,0	1015	38	950	96	905	8,0	24x M30	33	ISO	84,100	FL-813-010
800	813,0	1015	38	950	96	905	8,8	24x M30	33	ISO	84,100	FL-813-010
900	914,0	1115		1050		1005	10,0	28x M30	33	ISO	121,000	FL-914-010
900	914,0	1115	38	1050	99	1005	12,5	28x M30	33	ISO	121,000	FL-914-010
1000	1016,0	1230		1160		1110	10,0	28x M33	36	ISO	161,000	FL-A16-010
1000	1016,0	1230	44	1160	105	1110	12,5	28x M33	36	ISO	0,000	FL-A16-E10
1200	1219,0	1455		1380		1330	11,0	32x M36	39	ISO	182,000	FL-C19-010

available material: 1.4307, 1.4541, 1.4571, 304L

Flanges › welding neck flanges › PN 10 (> DN 150)

DN	d1	D	b	k	h	d4	s	M	d2	Reihe	kg	Art.-Nr.



Welding neck flange PN 10

with sealing face

Comparison DIN - EN

The European standard EN 1092-1 / 11 has replaced the national standard DIN 2632 in 2007.
For dimensions DN < 200 the EN refers to the standard series of PN 16 pressure level.
For dimensions DN < 50 the EN refers to the standard series of PN 40 pressure level.
For nominal sizes larger than DN 150, EN standardizes pressure levels PN 10 and PN 16.

Standards

DIN	EN
DIN 2632	EN 1092-1 type 11

In contrast to the DIN standard, EN-1092-1 only specifies the pipe connection dimensions of the ISO series.
It is therefore sufficient to stamp the nominal diameter (DN) for marking purposes.

Dimension range

DIN 2632	EN 1092-1
DN 200 to 3000	DN 200 to 3000

Designation of the gasket shape

DIN 2526	EN 1092-1
Shape C	Shape B1

Seal surface

Machining	Ra (µm)	Rz (µm)
rotaded	min. 3,25 / max. 12,5	min. 12,5/ max. 50

Comparison of dimensions DIN 2632 and EN 1092-1

Dimension [k], Circular hole pattern

DN	DIN - PN 10	DIN - PN 16	EN - PN 10	EN - PN 16	EN - PN 40
10	>> PN 16	60	>> PN 40	>> PN 40	60
15	>> PN 16	65	>> PN 40	>> PN 40	65
20	>> PN 16	75	>> PN 40	>> PN 40	75
25	>> PN 16	85	>> PN 40	>> PN 40	85
32	>> PN 16	100	>> PN 40	>> PN 40	100
40	>> PN 16	110	>> PN 40	>> PN 40	110
50	>> PN 16	125	>> PN 16	125	
65	>> PN 16	145	>> PN 16	145	
80	>> PN 16	160	>> PN 16	160	
100	>> PN 16	180	>> PN 16	180	
125	>> PN 16	210	>> PN 16	210	
150	>> PN 16	240	>> PN 16	240	
200	295	295	295	295	
250	350	355	350	355	
300	400	410	400	410	
350	460	470	460	470	
400	515	525	515	525	
450	-	-	565	585	
500	620	650	620	650	
600	-	-	725	770	

All dimensions in mm

[M], No. of screws x size

DN	DIN - PN 10	DIN - PN 16	EN - PN 10	EN - PN 16	EN - PN 40
10	>> PN 16	4 x M12	>> PN 40	>> PN 40	4 x M12
15	>> PN 16	4 x M12	>> PN 40	>> PN 40	4 x M12
20	>> PN 16	4 x M12	>> PN 40	>> PN 40	4 x M12
25	>> PN 16	4 x M12	>> PN 40	>> PN 40	4 x M12
32	>> PN 16	4 x M16	>> PN 40	>> PN 40	4 x M16
40	>> PN 16	4 x M16	>> PN 40	>> PN 40	4 x M16
50	>> PN 16	4 x M16	>> PN 16	4 x M16	
65	>> PN 16	4 x M16	>> PN 16	8 x M16*	
80	>> PN 16	8 x M16	>> PN 16	8 x M16	
100	>> PN 16	8 x M16	>> PN 16	8 x M16	
125	>> PN 16	8 x M16	>> PN 16	8 x M16	
150	>> PN 16	8 x M20	>> PN 16	8 x M20	
200	8 x M20	12 x M20	8 x M20	12 x M20	
250	12 x M20	12 x M24	12 x M20	12 x M24	
300	12 x M20	12 x M24	12 x M20	12 x M24	
350	16 x M20	16 x M24	16 x M20	16 x M24	
400	16 x M24	16 x M27	16 x M24	16 x M27	
450	-	-	20 x M24	20 x M27	
500	20 x M24	20 x M30	20 x M24	20 x M30	
600	-	-	20 x M27	20 x M33	

* = By agreement, flanges with this PN and DN may also be supplied with 4 holes.

Deviations DIN <> EN at a glance

> DN 450 deviating thickness of sheet - dimension [b]

DN	DIN	EN
500	34	36
600	36	40
700	36	40
800	38	41
900	40	48
1000	42	59
1200	48	78

Dimensions in mm

> DN 450 deviating mounting height - dimension [h]

DN	DIN	EN
500	90	84
600	95	88
700	100	104
800	105	108
900	110	118
1000	120	137
1200	130	160

Dimensions in mm

> DN 500 Deviating pipe connection - dimension [d1]

DN	DIN	EN
600	609,6	610,0
700	711,2	711,0
800	812,8	813,0
900	914,4	914,0
1000	1016,0	1016,0
1200	1220,0	1219,0

Dimensions in mm

Deviating wall thickness dimension [s] for DN 200 and > DN 500

DN	DIN	EN
200	6,3	5,9
600	8,8	10,0
800	10,0	12,5
900	10,0	12,5
1000	10,0	12,5
1200	12,5	14,2

Dimensions in mm

Wall thickness tolerance on the welded end

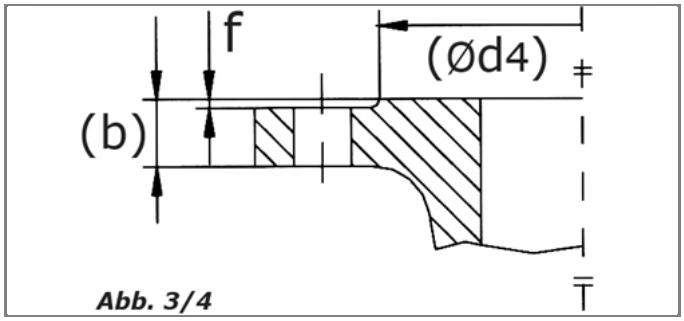
Nominal diameter	Tol. [s] in mm
< DN 80	+1,0/-0
DN 100 - 400	+1,5/-0
> DN 400	+2,0/-0

Joint shape

Nominal wall thickness [s]	Version
to 3,2 mm	square
> 3,2 mm	V-gap

Sealing face hight

Nominal diameter	[f]
DN < 40	2,0 mm
DN 50 - 250	3,0 mm
DN 300 - 500	4,0 mm
DN 500 - 2000	5,0 mm



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