


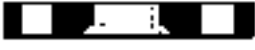
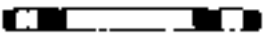




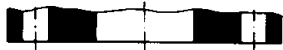


## Flanges DIN Standards

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# Summary of European Standard Flange Facing according to DIN 2526

## Flat face



Form A  
Face without any requirements

Form B  
Face  $R_z = 160$ , machined (not smoother than  $40 \mu\text{m}$ )

## Raised face

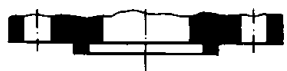


Form C  
Face  $R_z = 160$ , machined (not smoother than  $40 \mu\text{m}$ )

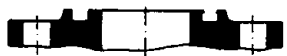
Form D  
Face  $R_z = 40$ , machined

Form E  
Face  $R_z = 16$ , machined

## Tongue and groove according to DIN 2512

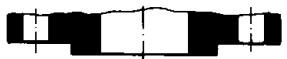


Form F tongue

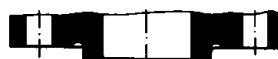


Form N groove

## Male and female according to DIN 2513/DIN 2514



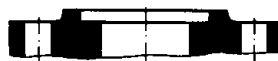
Form V13 male



Form V14 male



Form R14 female

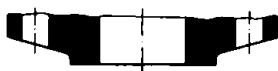


Form R16 female

DIN 2513

DIN 2514

## Chamfering for diaphragm-weld packings, PN64 to 400, according to DIN 2695



## Facing for lens-shaped joints, PN64 to 400, according to DIN 2696





# Welding Neck Flange

DIN 2632/2633 PN 10/16

Raised face to DIN 2526, form C

FFWN

● = PN 16  
■ = PN 10

Order example:

● = FFWN-304L-21.3-PN16  
● = FFWN-316L-60.3-PN16  
■ = FFWN-316L-219.1-PN10

Pipe		Flange				Hub				Raised Face		Drilling Template			Weight	Stock			
DN	d <sub>1</sub> mm	D mm	b mm	k mm	h <sub>1</sub> mm	d <sub>3</sub> mm	s mm	r mm	h <sub>2</sub> mm	d <sub>4</sub> mm	f mm	No. of holes	Thread	d <sub>2</sub> mm	kg/pce	304L	316L	4541	4571
15	20 21.3	95	14	65	35	30 30	2	4	6	45	2	4	M 12	14	0.648	●	●	●	●
20	25 26.9	105	16	75	38	38 40	2.3	4	6	58	2	4	M 12	14	0.952	●	●	●	●
25	30 33.7	115	16	85	38	42 45	2.6	4	6	68	2	4	M 12	14	1.140	●	●	●	●
32	38 42.4	140	16	100	40	52 56	2.6	6	6	78	2	4	M 16	18	1.960	●	●	●	●
40	44.5 48.3	150	16	110	42	60 64	2.6	6	7	88	3	4	M 16	18	1.860	●	●	●	●
50	57 60.3	165	18	125	45	72 75	2.9	6	8	102	3	4	M 16	18	2.530	●	●	●	●
65	76.1	185	18	145	45	90	2.9	6	10	122	3	4	M 16	18	3.060	●	●	●	●
80	88.9	200	20	160	50	105	3.2	6	10	138	3	8	M 16	18	3.700	●	●	●	●
100	108 114.3	220	20	180	52	125 131	3.6	8	12	158	3	8	M 16	18	4.620	●	●	●	●
125	133 139.7	250	22	210	55	150 156	4	8	12	188	3	8	M 16	18	6.300	●	●		
150	159 168.3	285	22	240	55	175 184	4.5	10	12	212	3	8	M 20	22	7.750	●	●		
200	219.1	340	24	295	62	235	5.9	10	16	268	3	12 8	M 20	22	11.000	● ●	●/■ ●/■		
250	273.0	405 395*	26	355 350*	70 68*	292	6.3	12	16	320	3	12	M 24 M 20*	26 22*	15.600 14.700*	● ●	●/■ ●/■		
300	323.9	460 445*	28 26*	410	78 68*	344	7.1	12	16	378 370*	4	12	M 24 M 20*	26 22*	22.000 17.400*	● ●	●/■ ●/■		

Remarks: \*Dimensions for DIN2632 PN10 others than DIN 2633 PN16



# Welding Neck Flange

DIN 2635 PN 40

Raised face to DIN 2526, form C

FFWN

Order example:

● = FFWN-316L-21.3-PN40

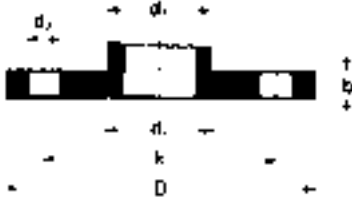
Pipe		Flange				Hub				Raised Face		Drilling Template			Weight	Stock	
DN	d <sub>1</sub> mm	D mm	b mm	k mm	h <sub>1</sub> mm	d <sub>3</sub> mm	s mm	r mm	h <sub>2</sub> mm	d <sub>4</sub> mm	f	No. of holes	Thread	d <sub>2</sub> mm	kg/pce	304L	316L
10	14 17.2	90	16	60	35	25 28	1.8	4	6	40	2	4	M 12	14	0.661		●
15	20 21.3	95	16	65	38	30 32	2	4	6	45	2	4	M 12	14	0.746	●	● ●
20	25 26.9	105	18	75	40	38 40	2.3	4	6	58	2	4	M 12	14	1.060	●	● ●
25	30 33.7	115	18	85	40	42 46	2.6	4	6	68	2	4	M 12	14	1.290	●	● ●
32	38 42.4	140	18	100	42	52 56	2.6	6	6	78	2	4	M 16	18	1.880	●	● ●
40	44.5 48.3	150	18	110	45	60 64	2.6	6	7	88	3	4	M 16	18	2.330	●	● ●
50	57 60.3	165	20	125	48	72 75	2.9	6	8	102	3	4	M 16	18	2.820	●	● ●
65	76.1	185	22	145	52	90	2.9	6	10	122	3	8	M 16	18	3.740	●	●
80	88.9	200	24	160	58	105	3.2	8	12	138	3	8	M 16	18	4.750	●	●
100	108 114.3	235	24	190	65	128 134	3.6	8	12	162	3	8	M 20	22	6.520	●	●
125	133 139.7	270	26	220	68	155 162	4	8	12	188	3	8	M 24	26	9.070	●	● ●
150	159 168.3	300	28	250	75	182 192	4.5	10	12	218	3	8	M 24	26	11.800	●	● ●
200	219.1	375	34	320	88	244	6.3	10	16	285	3	12	M 27	30	21.500	●	●

# Plane Welding Flange

## DIN 2576 PN 10

FFPW

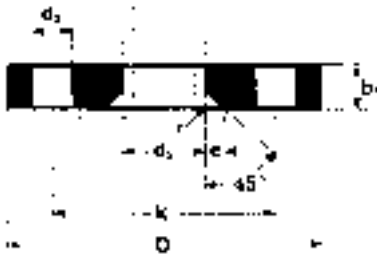
Flat face to DIN 2526, form A



Order example:

● = FFPW-304L-76.1-PN10

Pipe		Flange					Drilling Template			Weight	Stock	
DN	d <sub>1</sub> mm	d <sub>5</sub> mm	Tol.	D mm	b mm	k mm	No. of holes	Thread	d <sub>2</sub> mm	kg/pce	304L	316L
15	20 21.3	21 22		95	14	65	4	M 12	14	0.675 0.669	● ●	● ●
20	25 26.9	26 27.6		105	16	75	4	M 12	14	0.947 0.936	● ●	● ●
25	30 33.7	31 34.4		115	16	85	4	M 12	14	1.140 1.110	● ●	● ●
32	38 42.4	39 43.1		140	16	100	4	M 16	18	1.660 1.620	● ●	● ●
40	44.5 48.3	45.5 49		150	16	110	4	M 16	18	1.890 1.860	● ●	● ●
50	54 57 60.3	~ 54 58.1 61.1	+0.5/-0	165	18	125	4	M 16	18	2.580 2.510 2.470	● ● ●	● ● ●
65	70 76.1	71 77.1		185	18	145	4	M 16	18	3.150 3.000	● ●	● ●
80	84 88.9	~ 84 90.3	+0.5/-0	200	20	160	8	M 16	18	3.880 3.790	● ●	● ●
100	104 108 114.3	~104 109.6 115.9	+1.5/-0	220	20	180	8	M 16	18	4.350 4.200 4.030	● ● ●	● ● ●
125	129 133 139.7	~129 134.8 141.6	+1.0/-0	250	22	210	8	M 16	18	5.980 5.710 5.460	● ● ●	● ● ●
150	154 159 168.3	~154 161.1 170.5	+1.0/-0	285	22	240	8	M 20	22	6.960 6.720 6.570	● ● ●	● ● ●
200	204 219.1	~204 221.8	+1.0/-0	340	24	295	8	M 20	22	9.310	● ●	● ●
250	254 273.0	~256 276.2	+1.0/-0	395	26	350	12	M 20	22	11.900	● ●	● ●
300	304 323.9	~306 327.6	+1.0/-0	445	26	400	12	M 20	22	13.800	● ●	● ●



# Loose Flange

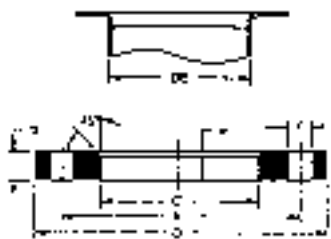
DIN 2642 PN 10 Form F  
for collars to DIN 2642 G

**FFL**

Order example:

● = FFL-316L-33.7-PN10

Pipe		Flange					Drilling Template			Weight	Stock	
DN	O.D. mm	D mm	d <sub>5</sub> mm	b <sub>1</sub> mm	k mm	e mm	No. of holes	Thread	d <sub>2</sub> mm	kg/pce	304L	316L
15	21.3	95	24	14	65	3	4	M 12	14	0.690	●	●
20	26.9	105	30	14	75	3	4	M 12	14	0.810	●	●
25	33.7	115	36	16	85	4	4	M 12	14	1.110	●	●
32	42.4	140	46	16	100	4	4	M 16	18	1.640	●	●
40	48.3	150	54	16	110	4	4	M 16	18	1.860	●	●
50	60.3	165	65	16	125	5	4	M 16	18	2.200	●	●
65	76.1	185	81	16	145	5	4	M 16	18	2.620	●	●
80	88.9	200	94	18	160	5	8	M 16	18	3.320	●	●
100	114.3	220	119	18	180	5	8	M 16	18	3.670	●	●
125	139.7	250	145	18	210	5	8	M 16	18	4.540	●	●
150	168.3	285	173	18	240	5	8	M 20	22	5.600	●	●
200	219.1	340	225	20	295	5	8	M 20	22	7.460	●	●



# Loose Aluminium Flange

**FFLA/FFLAC**

Dimensions compatible with

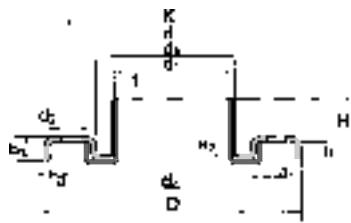
**DIN 2642 PN 10**

Material: **GALSi 12 Cu Fe**

Order example:

- = FFLA-20-PN10
- = FFLA-60.3-PN10
- = FFLAC-60.3-PN10

Pipe		Flange					Drilling Template		Weight	Stock	
DN mm	DE mm	D mm	C mm	b mm	e mm	k mm	f mm	No. of holes	kg/pce	blank (FFLA)	coated (FFLAC)
15	20	95	24	12	4	65	14	4	0.190	●	
	21.3	95	24	12	4	65	14	4	0.190	●	
20	25	105	30	12	4	75	14	4	0.220	●	
	26.9	105	30	12	4	75	14	4	0.220	●	
25	30	115	34	12	4	85	14	4	0.270	●	
	33.7	115	36	12	4	85	14	4	0.270	●	●
32	38	140	40	16	4	100	18	4	0.540	●	
	42.4	140	46	16	4	100	18	4	0.530	●	●
40	44.5	150	48	16	4	110	18	4	0.610	●	
	48.3	150	54	16	4	110	18	4	0.590	●	●
50	56	165	58	16	4	125	18	4	0.730	●	
	60.3	165	65	16	4	125	18	4	0.700	●	●
65	69	185	73	16	4	145	18	4	0.900	●	
	76.1	185	81	16	4	145	18	4	0.870	●	●
80	86	200	90	18	5	160	18	8	1.080	●	
	88.9	200	94	18	5	160	18	8	1.050	●	●
100	106	220	110	18	5	180	18	8	1.230	●	
	114.3	220	119	18	5	180	18	8	1.160	●	●
125	131	250	135	18	5	210	18	8	1.520	●	
	139.7	250	144	18	5	210	18	8	1.450	●	●
150	156	285	160	18	5	240	22	8	1.900	●	
	168.3	285	173	18	5	240	22	8	1.700	●	●
200	206	340	212	20	5	295	22	8	2.710	●	
	219.1	340	225	20	5	295	22	8	2.470	●	●
250	256	395	262	22	5	350	22	12	3.660	●	
	273	395	279	22	5	350	22	12	3.200	●	●
300	306	445	312	22	5	400	22	12	4.250	●	
	323.9	445	329	22	5	400	22	12	3.800	●	●



# Welding Neck Flange

## PN 16

**FFWNP**

Pressed from plate  
 Material: Neck 316L  
 Loose flange 304

Order example:  
 ● = FFWNP-316L-60.3-PN16

Pipe		Flange ring								Inner part						Weight	Stock
DN	d <sub>1</sub>	D	d	d <sub>5</sub>	k	b <sub>1</sub>	a	No. of holes	d <sub>2</sub>	t	H	h	d <sub>4</sub>	a <sub>1</sub>	a <sub>2</sub>	kg/pce	316L
15	21.3	95	38	24	65	11.5	3	4	13.5	1.6	35	11.0	51	3	2.5	0.258	●
20	26.9	105	48	30	75	14.0	3	4	13.5	1.6	38	13.5	61	3	2.5	0.348	●
25	33.7	115	53	37	85	16.0	3	4	13.5	2.0	38	15.5	71	3	2.5	0.453	●
32	42.4	140	68	46	100	16.5	3	4	17.5	2.0	40	16.0	82	3	2.5	0.628	●
40	48.3	150	77	54	110	17.5	4	4	17.5	2.0	42	16.0	92	3	2.5	0.867	●
50	60.3	165	91	65	125	19.5	4	4	17.5	2.0	45	18.0	107	3	2.5	1.075	●
65	76.1	185	108	81	145	21.0	4	4	17.5	2.8	45	20.5	127	4	3.5	1.503	●
80	88.9	200	123	94	160	22.0	5	8	17.5	2.8	50	20.5	142	4	3.5	1.912	●
100	114.3	220	141	119	180	23.0	6	8	17.5	3.0	52	22.5	162	4	3.5	2.327	●
125	139.7	250	168	145	210	25.0	6	8	17.5	3.2	55	22.5	192	4	3.5	3.027	●
150	168.3	285	192	173	240	27.0	7	8	21.5	3.2	55	23.5	218	4	3.5	4.711	●
200	219.1	340	245	225	295	31.0	8	8	21.5	3.2	62	27.5	273	5	4.5	6.277	●



# Pressed Loose Flange

FFLP

Tol. DIN 2642F PN 10

Steel 37.2 zinc plated, yellow passivated



● = for collars to DIN 2642 G

Order example:

● = FFLP-304-60.3

● = FFLP-ST-21.3

Pipe		Flange								Drilling Template			Weight	Stock	
DN	O.D. mm	d <sub>s</sub> mm	D mm	d mm	b <sub>1</sub> mm	a mm	r <sub>1</sub> mm	r <sub>3</sub> mm	K mm	No. of holes	Thread	d <sub>2</sub> mm	kg/pce	304	St.37.2
15	21.3	24	95	38	11.5	3	3	3	65	4	M 12	13.5	0.200	●	●
20	26.9	30	105	48	14.0	3	3	3	75	4	M 12	13.5	0.240	●	●
25	33.7	37	115	53	16.5	3	3	3	85	4	M 12	13.5	0.260	●	●
32	42.4	46	140	68	17.0	3	3	3.5	100	4	M 16	17.5	0.450	●	●
40	48.3	54	150	77	17.5	4	3	3.5	110	4	M 16	17.5	0.620	●	●
50	60.3	65	165	91	19.5	4	3	4	125	4	M 16	17.5	0.800	●	●
65	76.1	81	185	108	21	4	4	5	145	4	M 16	17.5	0.950	●	●
80	88.9	94	200	123	22	5	4	5	160	8	M 16	17.5	1.400	●	●
100	114.3	119	220	141	23	6	4	5	180	8	M 16	17.5	1.600	●	●
125	139.7	145	250	168	25	6	4	5	210	8	M 16	17.5	2.050	●	●
150	168.3	173	285	192	27	7	5	5	240	8	M 20	21.5	3.010	●	●
200	219.1	225	340	245	31	8	5	5	295	8	M 20	21.5	4.530	●	●
250	273	279	395	295	34	8	5	5	350	12	M 20	21.5	5.080	●	●
300	323.9	329	445	345	38	8	5	5	400	12	M 20	21.5	6.140	●	●

Remark:

Flanges with dimensions for ISO-tubes may also be used for metric or pulp and paper sizes.

Example: 60.3 can be used with tubes 54 or 57.

# Blind Flange

## DIN 2527 PN 10/16

### Form B to DIN 2526

FFB



Order example:

- = FFB-304L-50-PN16
- = FFB-316L-200-PN10

DN	Pressure Nominal	Flange			Drilling Template			Weight kg/pce	Stock		
		PN	D mm	b mm	k mm	No. of holes	Thread		d <sub>2</sub> mm	304L	316L
10	<b>16</b>		90	14	60	4	M 12	14	0.630	●	●
15	<b>16</b>		95	14	65	4	M 12	14	0.630	●	●
20	<b>16</b>		105	16	75	4	M 12	14	1.010	●	●
25	<b>16</b>		115	16	85	4	M 12	14	1.230	●	●
32	<b>16</b>		140	16	100	4	M 16	18	1.800	●	●
40	<b>16</b>		150	16	110	4	M 16	18	2.090	●	●
50	<b>16</b>		165	18	125	4	M 16	18	2.880	●	●
65	<b>16</b>		185	18	145	4	M 16	18	3.660	●	●
80	<b>16</b>		200	20	160	8	M 16	18	4.770	●	●
100	<b>16</b>		220	20	180	8	M 16	18	5.650	●	●
125	<b>16</b>		250	22	210	8	M 16	18	8.420	●	●
150	<b>16</b>		285	22	240	8	M 20	22	10.400	●	●
200	<b>16</b>		340	24	295	12	M 20	22	16.100	●	●
200	<b>10</b>		340	24	295	8	M 20	22	16.500		●
250	<b>10</b>		395	26	350	12	M 20	22	24.000		●
300	<b>10</b>		445	26	400	12	M 20	22	30.900		●

# Blind Flange

## DIN 2527 PN 40

### Form B to DIN 2526

FFB



Order example:

● = FFB-316L-100-PN40

DN	Pressure Nominal PN	Flange			Drilling Template			Weight kg/pce	Stock 316L
		D mm	b mm	k mm	No. of holes	Thread	d <sub>2</sub> mm		
15	40	95	16	65	4	M 12	14	0.810	●
20	40	105	18	75	4	M 12	14	1.240	●
25	40	115	18	85	4	M 12	14	1.380	●
32	40	140	18	100	4	M 16	18	2.030	●
40	40	150	18	110	4	M 16	18	2.350	●
50	40	165	20	125	4	M 16	18	3.200	●
65	40	185	22	145	8	M 16	18	4.290	●
80	40	200	24	160	8	M 16	18	5.880	●
100	40	235	24	190	8	M 20	22	7.540	●
125	40	270	26	220	8	M 24	26	10.800	●
150	40	300	28	250	8	M 24	26	14.500	●

