



UNIFIT METALLOYS INC
AN ISO 9001 : 2008 CERTIFIED COMPANY

ANSI Flanges





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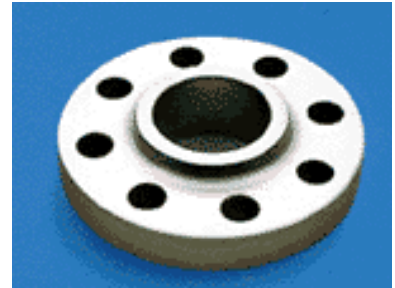
Dimension	: ANSI B16.5, B16.47, B16.36, B16.48
Material Spec	: ASTM A182, A351, DIN, ASTM A105, A216 WCB
Material Grades	: F304, F304L, F316, F316L, CF8, CF8, CF8M, CF3M, DIN1.4301, DIN1.4306, DIN1.4401, DIN1.4404, DIN1.4308, DIN1.4408, DIN1.4306, DIN1.4409, DIN1.0402, DIN1.0460, DIN1.0619
Class	: 150, 300, 400, 600, 900, 1500, 2500



WELD NECK



THREADED



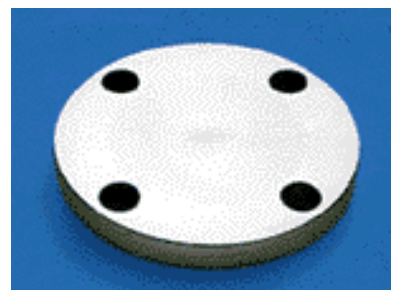
SLIP-ON



LAP JOINT



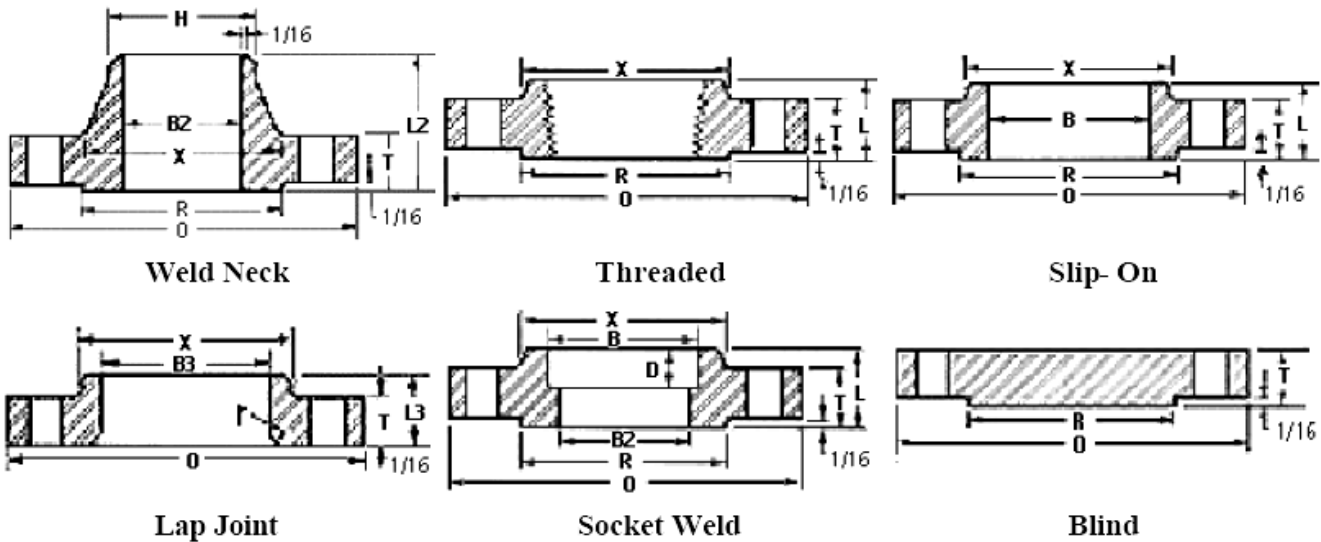
SOCKET WELD



BLIND



ANSI B16.5 Class 150 Flanges

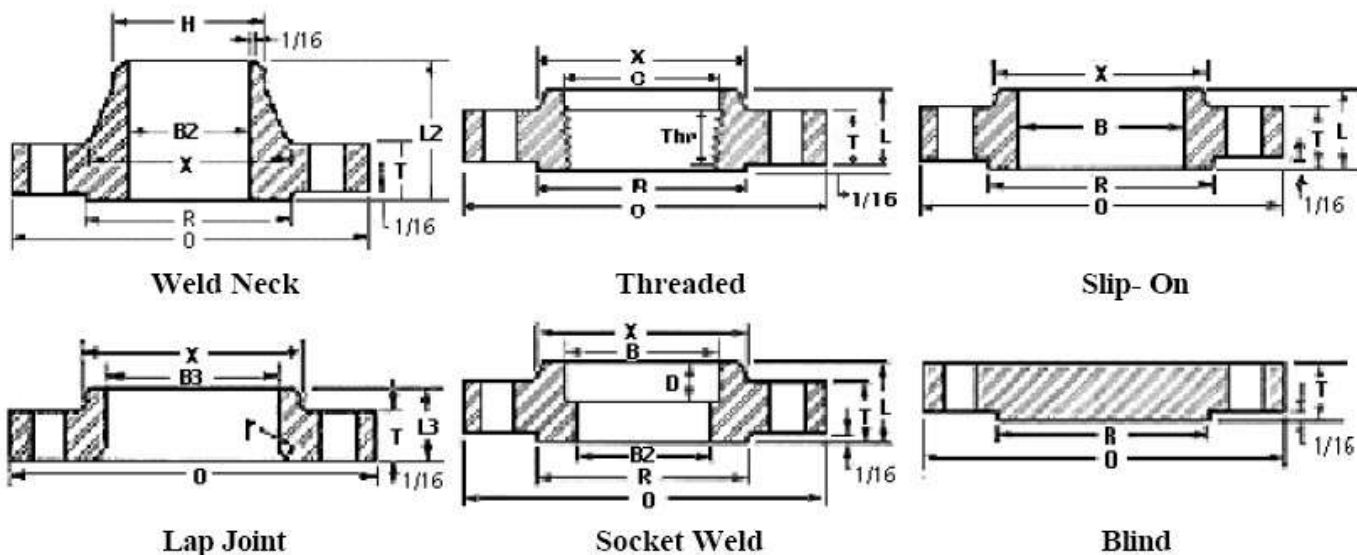


Nom. Pipe Size	O	T1	R	X	No.2/Dia. of Holes	Bolt Circle Dia.	L21	H	B23	L	B	r	L34	B3	D
1/2	3.50	0.44	1.38	1.19	4-0.62	2.38	1.88	0.84	0.62	0.62	0.88	0.12	0.62	0.90	0.38
3/4	3.88	0.50	1.69	1.50	4-0.62	2.75	2.06	1.05	0.82	0.62	1.09	0.12	0.62	1.11	0.44
1	4.25	0.56	2.00	1.94	4-0.62	3.12	2.19	1.32	1.05	0.69	1.36	0.12	0.69	1.38	0.50
1-1/4	4.62	0.62	2.50	2.31	4-0.62	3.50	2.25	1.66	1.38	0.81	1.70	0.19	0.81	1.72	0.56
1-1/2	5.00	0.68	2.88	2.56	4-0.62	3.88	2.44	1.90	1.61	0.88	1.95	0.25	0.88	1.97	0.62
2	6.00	0.75	3.62	3.06	4-0.75	4.75	2.50	2.38	2.07	1.00	2.44	0.31	1.00	2.46	0.69
2-1/2	7.00	0.88	4.12	3.56	4-0.75	5.50	2.75	2.88	2.47	1.12	2.94	0.31	1.12	2.97	0.75
3	7.50	0.94	5.00	4.25	4-0.75	6.00	2.75	3.50	3.07	1.19	3.57	0.38	1.19	3.60	0.81
3-1/2	8.50	0.94	5.50	4.81	8-0.75	7.00	2.81	4.00	3.55	1.25	4.07	0.38	1.25	4.10	0.88
4	9.00	0.94	6.19	5.31	8-0.75	7.50	3.00	4.50	4.03	1.31	4.57	0.44	1.31	4.60	0.94
5	10.00	0.94	7.31	6.44	8-0.88	8.50	3.50	5.56	5.05	1.44	5.66	0.44	1.44	5.69	0.94
6	11.00	1.00	8.50	7.56	8-0.88	9.50	3.50	6.63	6.07	1.56	6.72	0.50	1.56	6.75	1.06
8	13.50	1.12	10.62	9.69	8-0.88	11.75	4.00	8.63	7.98	1.75	8.72	0.50	1.75	8.75	1.25
10	16.00	1.19	12.75	12.00	12-1.00	14.25	4.00	10.75	10.02	1.94	10.88	0.50	1.94	10.92	1.31
12	19.00	1.25	15.00	14.38	12-1.00	17.00	4.50	12.75	12.00	2.19	12.88	0.50	2.19	12.92	1.56
14	21.00	1.38	16.25	15.75	12-1.12	18.75	5.00	14.00	13.25	2.25	14.14	0.50	3.12	14.18	1.63
16	23.50	1.44	18.50	18.00	16-1.12	21.25	5.00	16.00	15.25	2.50	16.16	0.50	3.44	16.19	1.75
18	25.00	1.56	21.00	19.88	16-1.25	22.75	5.50	18.00	17.25	2.69	18.18	0.50	3.81	18.20	1.94
20	27.50	1.69	23.00	22.00	20-1.25	25.00	5.69	20.00	19.25	2.88	20.20	0.50	4.06	20.25	2.13
22	29.50	1.81	25.25	24.25	20-1.38	27.25	5.88	22.00	21.25	3.13	22.22	0.50	4.25	22.25	2.38
24	32.00	1.88	27.25	26.12	20-1.38	29.50	6.00	24.00	23.25	3.25	24.25	0.50	4.38	24.25	2.50

Dimensions in inches.



ANSI B16.5 Class 300 Flanges

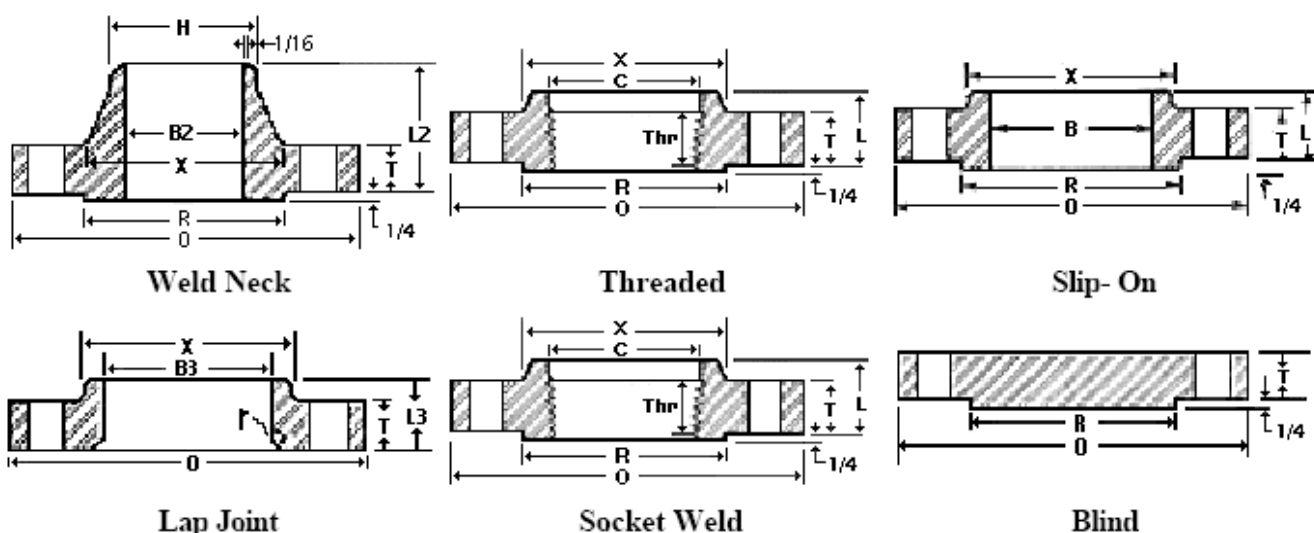


Nom. Pipe Size	O	T1	R	X	No.2& Dia. of Holes	Bolt Circle Dia.	L21	H	B23	L	B	r	L34	B3	D	C	THr
1/2	3.75	0.56	1.38	1.5	4-0.62	2.62	2.06	0.84	0.62	0.88	0.88	0.12	0.88	0.90	0.38	0.93	0.62
3/4	4.62	0.62	1.69	1.88	4-0.75	3.25	2.25	1.05	0.82	1.00	1.09	0.12	1.00	1.11	0.44	1.14	0.62
1	4.88	0.69	2.00	2.12	4-0.75	3.50	2.44	1.32	1.05	1.06	1.36	0.12	1.06	1.38	0.50	1.41	0.69
1-1/4	5.25	0.75	2.50	2.50	4-0.75	3.88	2.56	1.66	1.38	1.06	1.70	0.19	1.06	1.72	0.56	1.75	0.81
1-1/2	6.12	0.81	2.88	2.75	4-0.88	4.50	2.69	1.90	1.61	1.19	1.95	0.25	1.19	1.97	0.62	1.99	0.88
2	6.50	0.88	3.62	3.31	8-0.75	5.00	2.75	2.38	2.07	1.31	2.44	0.31	1.31	2.46	0.69	2.50	1.12
2-1/2	7.50	1.00	4.12	3.94	8-0.88	5.88	3.00	2.88	2.47	1.50	2.94	0.31	1.50	2.97	0.75	3.00	1.25
3	8.25	1.12	5.00	4.62	8-0.88	6.62	3.12	3.50	3.07	1.69	3.57	0.38	1.69	3.60	0.81	3.63	1.25
3-1/2	9.00	1.19	5.50	5.25	8-0.88	7.25	3.19	4.00	3.55	1.75	4.07	0.38	1.75	4.10		4.13	1.44
4	10.00	1.25	6.19	5.75	8-0.88	7.88	3.38	4.50	4.03	1.88	4.57	0.44	1.88	4.60		4.63	1.44
5	11.00	1.38	7.31	7.00	8-0.88	9.25	3.88	5.56	5.05	2.00	5.66	0.44	2.00	5.69		5.69	1.69
6	12.50	1.44	8.50	8.12	12-0.88	10.62	3.88	6.63	6.07	2.06	6.72	0.50	2.06	6.75		6.75	1.81
8	15.00	1.62	10.62	10.25	12-1.00	13.00	4.38	8.63	7.98	2.44	8.72	0.50	2.44	8.75		8.75	2.00
10	17.50	1.88	12.75	12.62	16-1.12	15.25	4.62	10.75	10.02	2.62	10.88	0.50	3.75	10.92		10.88	2.19
12	20.50	2.00	15.00	14.75	16-1.25	17.75	5.12	12.75	12.00	2.88	12.88	0.50	4.00	12.92		12.94	2.38
14	23.00	2.12	16.25	16.75	20-1.25	20.25	5.62	14.00	13.25	3.00	14.14	0.50	4.38	14.18		14.19	2.50
16	25.50	2.25	18.50	19.00	20-1.38	22.50	5.75	16.00	15.25	3.25	16.16	0.50	4.75	16.19		16.19	2.69
18	28.00	2.38	21.00	21.00	24-1.38	24.75	6.25	18.00	17.25	3.50	18.18	0.50	5.12	18.20		18.19	2.75
20	30.50	2.50	23.00	23.12	24-1.38	27.00	6.38	20.00	19.25	3.75	20.20	0.50	5.50	20.25		20.19	2.88
22	33.00	2.63	25.25	25.25	24-1.63	29.25	6.50	22.00	21.25	4.00	22.22	0.50	5.75	22.25		22.19	3.13
24	36.00	2.75	27.25	27.62	24-1.62	32.00	6.62	24.00	23.25	4.19	24.25	0.50	6.00	24.25		24.19	3.25

Dimensions in inches.



ANSI B16.5 Class 400 Flanges



Nom. Pipe Size	O	T1	R	X	No. 2 & Dia. of Holes	Bolt Circle Dia.	L21	H	B2	L	B	r	L3	B3	D	C	Thr
1/2	3.75	0.56	1.38	1.50	4-0.62	2.62	2.06	0.84	To be specified by purchaser.	0.88	0.88	0.12	0.88	0.90	0.38	0.93	0.62
3/4	4.62	0.62	1.69	1.88	4-0.75	3.25	2.25	1.05		1.00	1.09	0.12	1.00	1.11	0.44	1.14	0.62
1	4.88	0.69	2.00	2.12	4-0.75	3.50	2.44	1.32		1.06	1.36	0.12	1.06	1.38	0.50	1.41	0.69
1-1/4	5.25	0.81	2.50	2.50	4-0.75	3.88	2.62	1.66		1.12	1.70	0.19	1.12	1.72	0.56	1.75	0.81
1-1/2	6.12	0.88	2.88	2.75	4-0.88	4.50	2.75	1.90		1.25	1.95	0.25	1.25	1.97	0.62	1.99	0.88
2	6.50	1.00	3.62	3.31	8-0.75	5.00	2.88	2.38		1.44	2.44	0.31	1.44	2.46	0.69	2.50	1.12
2-1/2	7.50	1.12	4.12	3.94	8-0.88	5.88	3.12	2.88		1.62	2.94	0.31	1.62	2.97	0.75	3.00	1.25
3	8.25	1.25	5.00	4.62	8-0.88	6.62	3.25	3.50		1.81	3.57	0.38	1.81	3.60	0.81	3.63	1.38
3-1/2	9.00	1.38	5.50	5.25	8-1.00	7.25	3.38	4.00		1.94	4.07	0.38	1.94	4.10	4.13	4.13	1.56
4	10.00	1.38	6.19	5.75	8-1.00	7.88	3.50	4.50		2.00	4.57	0.44	2.00	4.60		4.63	1.44
5	11.00	1.50	7.31	7.00	8-1.00	9.25	4.00	5.56		2.12	5.66	0.44	2.12	5.69	5.69	5.69	1.69
6	12.5	1.62	8.50	8.12	12-1.00	10.62	4.06	6.63		2.25	6.72	0.50	2.25	6.75		6.75	1.81
8	15.00	1.88	10.62	10.25	12-1.12	13.00	4.62	8.63		2.69	8.72	0.50	2.69	8.75	8.75	8.75	2.00
10	17.5	2.12	12.75	12.62	16-1.25	15.25	4.88	10.75		2.88	10.88	0.50	4.00	10.92		10.88	2.19
12	20.5	2.25	15.00	14.75	16-1.38	17.75	5.38	12.75		3.12	12.88	0.50	4.25	12.92	12.94	12.94	2.38
14	23.00	2.38	16.25	16.75	20-1.38	20.25	5.88	14.00		3.31	14.14	0.50	4.62	14.18		14.19	2.50
16	25.5	2.50	18.50	19.00	20-1.50	22.50	6.00	16.00		3.69	16.16	0.50	5.00	16.19	16.19	16.19	2.69
18	28.00	2.62	21.00	21.00	24-1.50	24.75	6.50	18.00		3.88	18.18	0.50	5.38	18.20		18.19	2.75
20	30.5	2.75	23.00	23.12	24-1.62	27.00	6.62	20.00		4.00	20.20	0.50	5.75	20.25	20.19	20.19	2.88
22	33.00	2.88	25.25	25.25	24-1.75	29.25	6.75	22.00		4.25	22.22	0.50	6.00	22.25		--	--
24	36.00	3.00	27.25	27.62	24-1.88	32.00	6.88	24.00		4.50	24.25	0.50	6.25	24.25	24.19	24.19	3.25

Dimensions in inches.

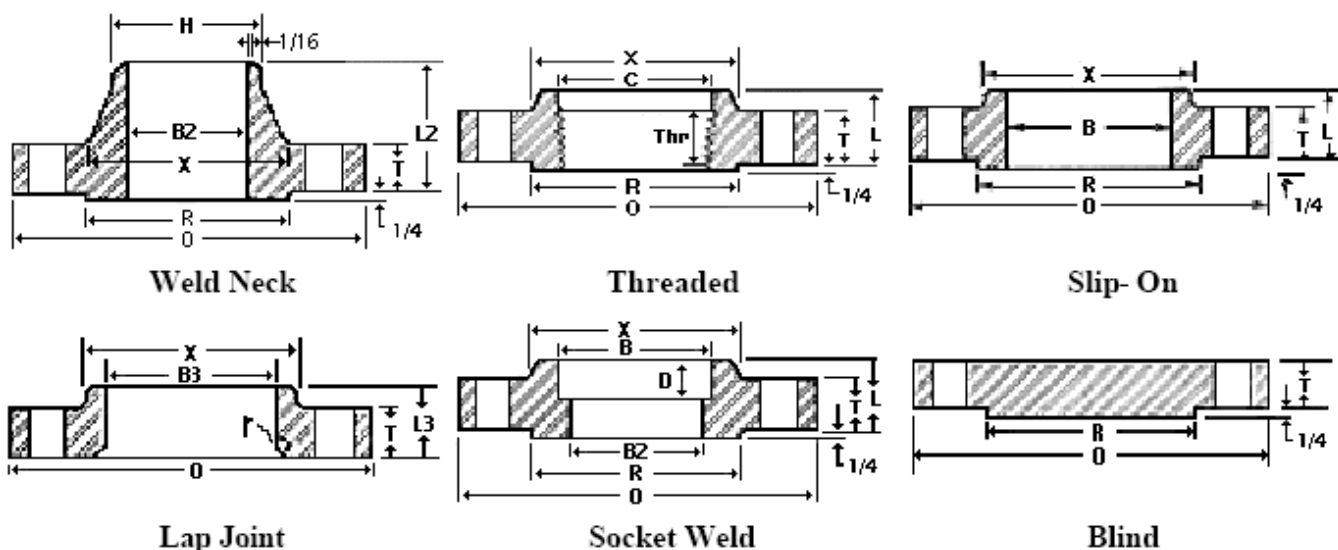
Sizes NPS 1/2 through 3-1/2 are same as Class 600 flanges.

1. 1/4 in. raised face not included in dimensions T, L and L2.

2. Bolt hole diameter 1/8 in. larger than bolt diameter.



ANSI B16.5 Class 600 Flanges



Nom. Pipe Size	O	T1	R	X	No.2& Dia. of Holes	Bolt Circle Dia.	L21	H	B2	L	B	r	L3	B3	D	C	Thr
1/2	3.75	0.56	1.38	1.50	4-0.62	2.62	2.06	0.84	To be specified by purchaser.	0.88	0.88	0.12	0.88	0.90	0.38	0.93	0.62
3/4	4.62	0.62	1.69	1.88	4-0.75	3.25	2.25	1.05		1.00	1.09	0.12	1.00	1.11	0.44	1.14	0.62
1	4.88	0.69	2.00	2.12	4-0.75	3.50	2.44	1.32		1.06	1.36	0.12	1.06	1.38	0.50	1.41	0.69
1-1/4	5.25	0.81	2.50	2.50	4-0.75	3.88	2.62	1.66		1.12	1.70	0.19	1.12	1.72	0.56	1.75	0.81
1-1/2	6.12	0.88	2.88	2.75	4-0.88	4.50	2.75	1.90		1.25	1.95	0.25	1.25	1.97	0.62	1.99	0.88
2	6.50	1.00	3.62	3.31	8-0.75	5.00	2.88	2.38		1.44	2.44	0.31	1.44	2.46	0.69	2.50	1.12
2-1/2	7.50	1.12	4.12	3.94	8-0.88	5.88	3.12	2.88		1.62	2.94	0.31	1.62	2.97	0.75	3.00	1.25
3	8.25	1.25	5.00	4.62	8-0.88	6.62	3.25	3.50		1.81	3.57	0.38	1.81	3.60	0.81	3.63	1.38
3-1/2	9.00	1.38	5.50	5.25	8-1.00	7.25	3.38	4.00		1.94	4.07	0.38	1.94	4.10	4.13	4.13	1.56
4	10.75	1.50	6.19	6.00	8-1.00	8.50	4.00	4.50		2.12	4.57	0.44	2.12	4.60		4.63	1.62
5	13.00	1.75	7.31	7.44	8-1.12	10.50	4.50	5.56		2.38	5.66	0.44	2.38	5.69	5.69	5.69	1.88
6	14.00	1.88	8.50	8.75	12-1.12	11.50	4.62	6.63		2.62	6.72	0.50	2.62	6.75		6.75	2.00
8	16.50	2.19	10.62	10.75	12-1.25	13.75	5.25	8.63		3.00	8.72	0.50	3.00	8.75	8.75	8.75	2.25
10	20.00	2.50	12.75	13.50	16-1.38	17.00	6.00	10.75		3.38	10.88	0.50	4.38	10.92		10.88	2.56
12	22.00	2.62	15.00	15.75	20-1.38	19.25	6.12	12.75		3.62	12.88	0.50	4.62	12.92	12.94	12.94	2.75
14	23.75	2.75	16.25	17.00	20-1.50	20.75	6.50	14.00		3.69	14.14	0.50	5.00	14.18		14.19	2.88
16	27.00	3.00	18.50	19.50	20-1.62	23.75	7.00	16.00		4.19	16.16	0.50	5.50	16.19	18.19	18.19	3.06
18	29.25	3.25	21.00	21.50	20-1.75	25.75	7.25	18.00		4.62	18.18	0.50	6.00	18.20		18.10	3.12
20	32.00	3.50	23.00	24.00	24-1.75	28.50	7.50	20.00		5.00	20.20	0.50	6.50	20.25	20.19	20.19	3.25
22	34.25	3.75	25.25	26.25	24-1.75	30.63	7.75	22.00		5.25	22.22	0.50	6.88	22.25		--	--
24	37.00	4.00	27.25	28.25	24-2.00	33.00	8.00	24.00		5.50	24.25	0.50	7.25	24.25	24.19	24.19	3.62

Dimensions in inches.

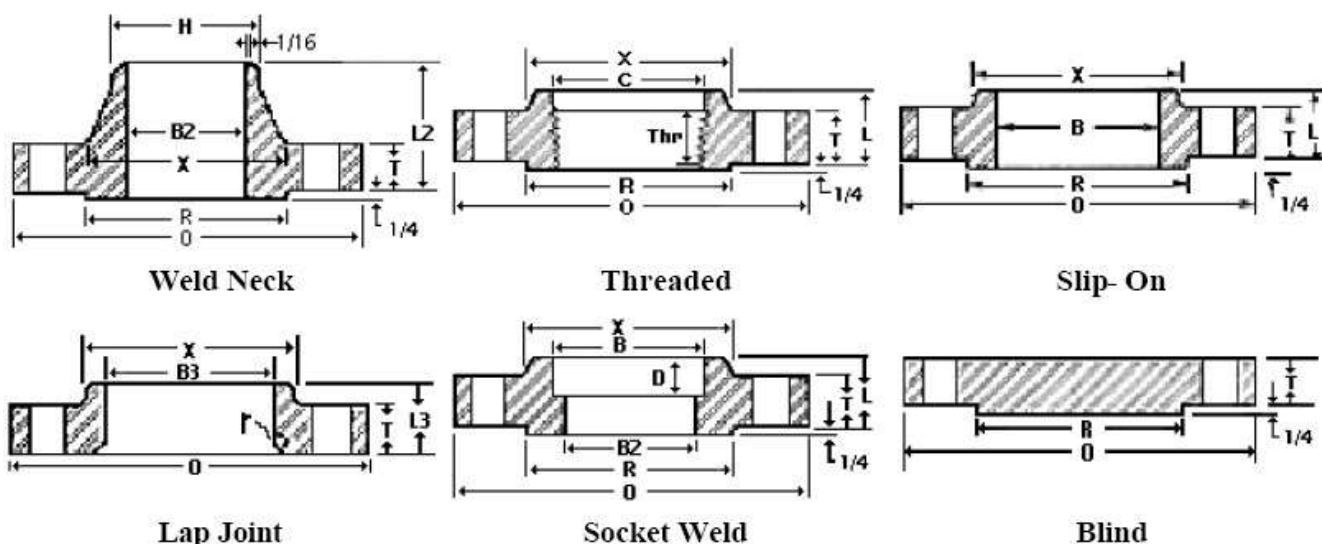
Sizes NPS 1/2 through 3-1/2 are same as Class 400 flanges.

1. 1/4 in. raised face not included in dimensions T, L and L2.

2. Bolt hole diameter 1/8 in. larger than bolt diameter.



ANSI B16.5 Class 900 Flanges



Nom. Pipe Size	O	T1	R	X	No.2 & Dia. of Holes	Bolt Circle Dia.	L21	H	B2	L	B	r	L3	B3	THr
Sizes 1/2" Thru 2-1/2" Are Identical To Class 1500.															
3	9.50	1.50	5.00	5.00	8-1.00	7.50	4.00	3.50	To be specified by purchaser.	2.13	3.57	0.38	2.13	3.60	1.63
4	11.50	1.75	6.19	6.25	8-1.25	9.25	4.50	4.50		2.75	4.57	0.44	2.75	4.60	1.88
5	13.75	2.00	7.31	7.50	8-1.38	11.00	5.00	5.56		3.13	5.66	0.44	3.13	5.69	2.13
6	15.00	2.19	8.50	9.25	12-1.25	12.50	5.50	6.63		3.38	6.72	0.50	3.38	6.75	2.25
8	18.50	2.50	10.63	11.75	12-1.50	15.50	6.38	8.63		4.00	8.72	0.50	4.50	8.75	2.50
10	21.50	2.75	12.75	14.50	16-1.50	18.50	7.25	10.75		4.25	10.88	0.50	5.00	10.92	2.81
12	24.00	3.13	15.00	16.50	20-1.50	21.00	7.88	12.75		4.63	12.88	0.50	5.63	12.92	3.00
14	25.25	3.38	16.25	17.75	20-1.63	22.00	8.38	14.00		5.13	14.14	0.50	6.13	14.18	3.25
16	27.75	3.50	18.50	20.00	20-1.75	24.25	8.50	16.00		5.25	16.16	0.50	6.50	16.19	3.38
18	31.00	4.00	21.00	22.25	20-2.00	27.00	9.00	18.00		6.00	18.18	0.50	7.50	18.20	3.50
20	33.75	4.25	23.00	24.50	20-2.13	29.50	9.75	20.00	To be specified by purchaser.	6.25	20.20	0.50	8.25	20.25	3.63
24	41.00	5.50	27.25	29.50	20-2.63	35.50	11.50	24.00		8.00	24.25	0.50	10.50	24.25	4.00

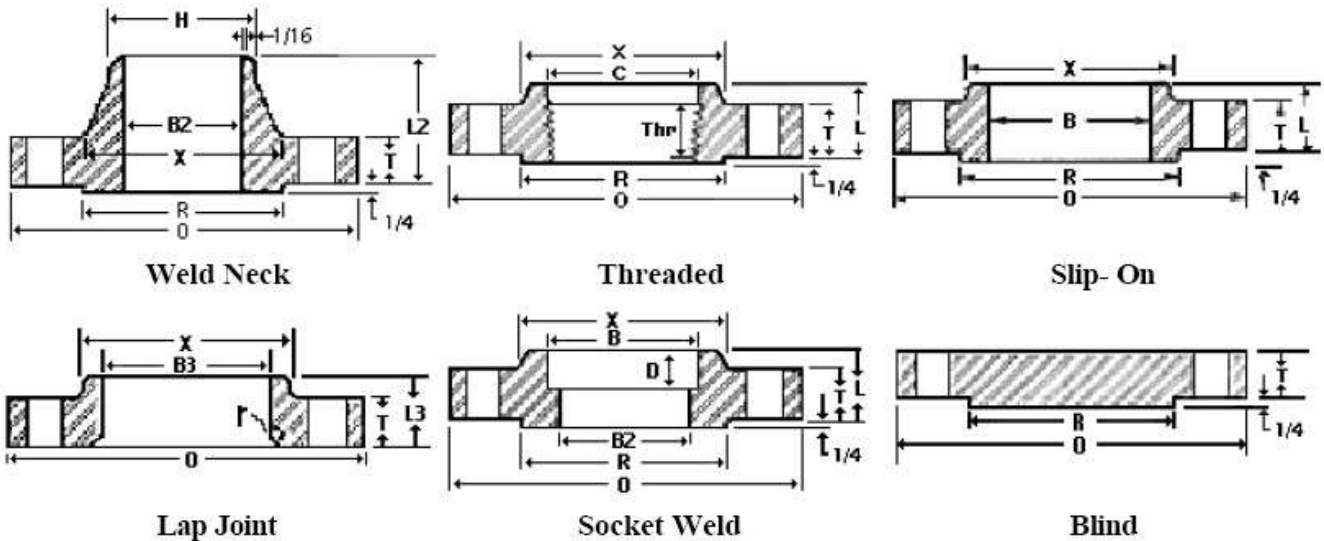
Dimensions in inches.

Sizes NPS 1/2 through 2-1/2 are same as Class 1500 flanges.

1. 1/4 in. raised face not included in dimensions T, L and L2.
2. Bolt hole diameter 1/8 in. larger than bolt diameter.



ANSI B16.5 Class 1500 Flanges



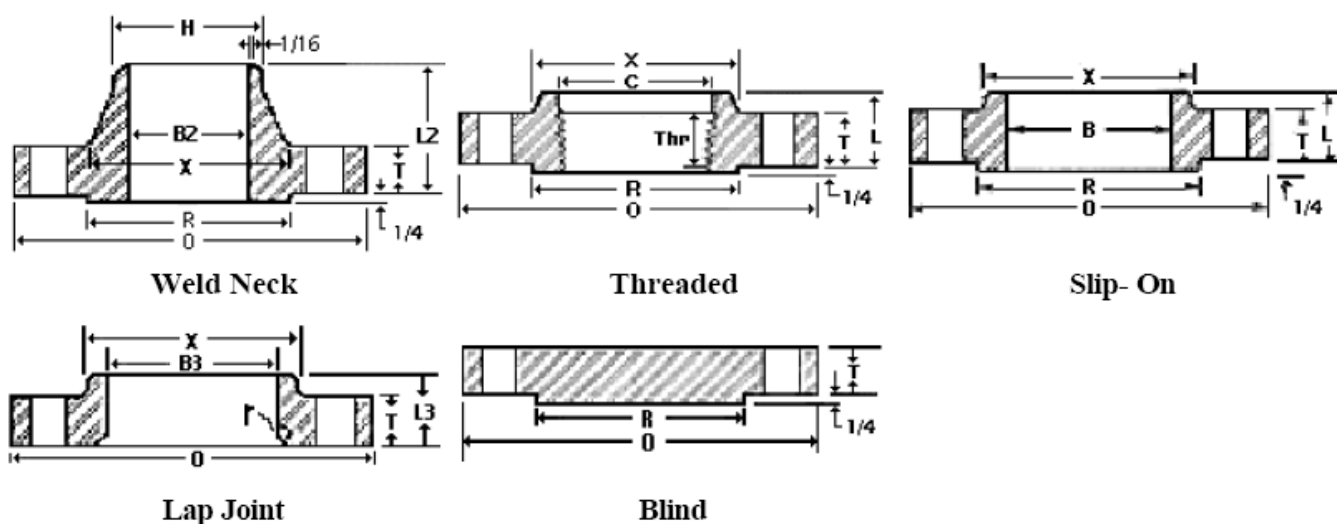
Nom. Pipe Size	O	T1	R	X	No.2& Dia. of Holes	Bolt Circle Dia.	L21	H	B2	L	B	r	L3	D	B3	THr
1/2	4.75	0.88	1.38	1.50	4-0.88	3.25	2.38	0.84	To be specified by purchaser.	1.25	0.88	0.13	1.25	0.38	0.90	0.88
3/4	5.13	1.00	1.69	1.75	4-0.88	3.50	2.75	1.05		1.38	1.09	0.13	1.38	0.44	1.11	1.00
1	5.88	1.13	2.00	2.06	4-1.00	4.00	2.88	1.32		1.63	1.36	0.13	1.63	0.50	1.38	1.13
1-1/4	6.25	1.13	2.50	2.50	4-1.00	4.38	2.88	1.66		1.63	1.70	0.19	1.63	0.56	1.72	1.19
1-1/2	7.00	1.25	2.88	2.75	4-1.13	4.88	3.25	1.90		1.75	1.95	0.25	1.75	0.63	1.97	1.25
2	8.50	1.50	3.63	4.13	8-1.00	6.50	4.00	2.38		2.25	2.44	0.31	2.25	0.69	2.46	1.50
2-1/2	9.63	1.63	4.13	4.88	8-1.13	7.50	4.13	2.88		2.50	2.94	0.31	2.50	0.75	2.97	1.88
3	10.50	1.88	5.00	5.25	8-1.25	8.00	4.63	3.50		2.88	3.57	0.38	2.88	--	3.60	2.00
4	12.25	2.13	6.19	6.38	8-1.38	9.50	4.88	4.50		3.56	4.57	0.44	3.56	--	4.60	2.25
5	14.75	2.88	7.31	7.75	8-1.63	11.50	6.13	5.56		4.13	5.66	0.44	4.13	--	5.69	2.50
6	15.50	3.25	8.50	9.00	12-1.50	12.50	6.75	6.63		4.69	6.72	0.50	4.69	--	6.75	2.75
8	19.00	3.63	10.63	11.50	12-1.75	15.50	8.38	8.63		5.63	8.72	0.50	5.63	--	8.75	3.00
10	23.00	4.25	12.75	14.50	12-2.00	19.00	10.00	10.75		6.25	10.88	0.50	7.00	--	10.92	3.31
12	26.50	4.88	15.00	17.75	16-2.13	22.50	11.13	12.75		7.13	12.88	0.50	8.63	--	12.92	3.63
14	29.50	5.25	16.25	19.50	16-2.38	25.00	11.75	14.00		--	--	0.50	9.50	--	14.18	--
16	32.50	5.75	18.50	21.75	16-2.63	27.75	12.25	16.00		--	--	0.50	10.25	--	16.19	--
18	36.00	6.38	21.00	23.50	16-2.88	30.50	12.88	18.00		--	--	0.50	10.88	--	18.20	--
20	38.75	7.00	23.00	25.25	16-3.13	32.75	14.00	20.00		--	--	0.50	11.50	--	20.25	--
24	46.00	8.00	27.25	30.00	16-3.63	39.00	16.00	24.00		--	--	0.50	13.00	--	24.25	--

Dimensions in inches.

1. 1/4 in. raised face not included in dimensions T, L and L2.
2. Bolt hole diameter 1/8 in. larger than bolt diameter.



ANSI B16.5 Class 2500 Flanges



Nom. Pipe Size	O	T1	R	X	No.2& Dia. of Holes	Bolt Circle Dia.	L21	H	B2	L	B	r	L3	B3	THr
1/2	5.25	1.19	1.38	1.69	4-0.88	3.50	2.88	0.84	To be specified by purchaser.	1.56	0.88	0.13	1.56	0.90	1.13
3/4	5.50	1.25	1.69	2.00	4-0.88	3.75	3.13	1.05		1.69	1.09	0.13	1.69	1.11	1.25
1	6.25	1.38	2.00	2.25	4-1.00	4.25	3.50	1.32		1.88	1.36	0.13	1.88	1.38	1.38
1-1/4	7.25	1.50	2.50	2.88	4-1.13	5.13	3.75	1.66		2.06	1.70	0.18	2.06	1.72	1.50
1-1/2	8.00	1.75	2.88	3.13	4-1.25	5.75	4.38	1.90		2.38	1.95	0.25	2.38	1.97	1.75
2	9.25	2.00	3.63	3.75	8-1.13	6.75	5.00	2.38		2.75	2.44	0.31	2.75	2.46	2.00
2-1/2	10.50	2.25	4.13	4.50	8-1.25	7.75	5.63	2.88		3.13	2.94	0.31	3.13	2.97	2.25
3	12.00	2.63	5.00	5.25	8-1.38	9.00	6.63	3.50		3.63	3.57	0.37	3.63	3.60	2.50
4	14.00	3.00	6.19	6.50	8-1.63	10.75	7.50	4.50		4.25	4.57	0.44	4.25	4.60	2.75
5	16.50	3.63	7.31	8.00	8-1.88	12.75	9.00	5.56		5.13	5.66	0.44	5.13	5.69	3.00
6	19.00	4.25	8.50	9.25	8-2.13	14.50	10.75	6.63		6.00	6.72	0.50	6.00	6.75	3.25
8	21.75	5.00	10.63	12.00	12-2.13	17.25	12.50	8.63		7.00	8.72	0.50	7.00	8.75	3.75
10	26.50	6.50	12.75	14.75	12-2.63	21.25	16.50	10.75		9.00	10.88	0.50	9.00	10.92	4.25
12	30.00	7.25	15.00	17.38	12-2.88	24.38	18.25	12.75		10.00	12.88	0.50	10.00	12.92	4.75

Dimensions in inches.

1. 1/4 in. raised face not included in dimensions T, L and L2.

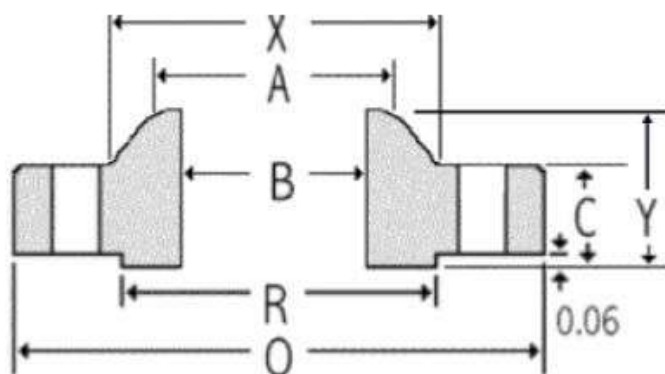
2. Bolt hole diameter 1/8 in. larger than bolt diameter.



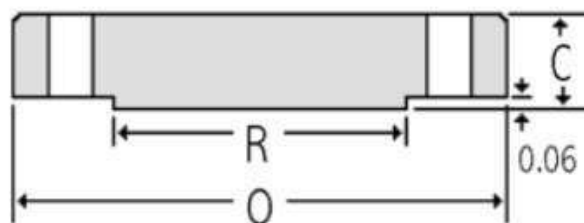
UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

ANSI B16.47 Series A Class 150 Flanges



Weld Neck



Blind

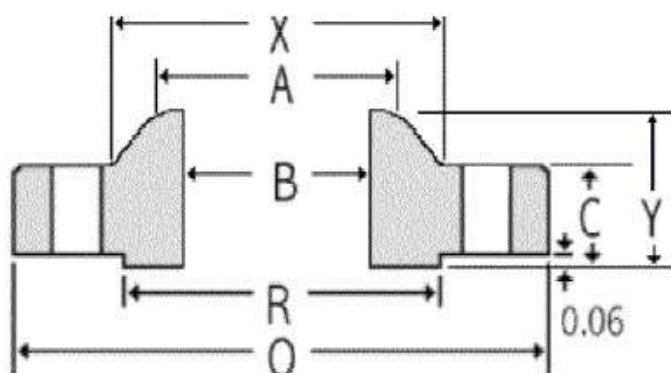
Nom. Pipe Size	Thickness		OD RF R	Dia at Base X	Bore B	LTH Y	Dia Bevel A	Drilling			Weight	
	OD O	Weld Neck C						Bolt Circle	Dia Holes	# Holes	Weld Neck	Blind
26	34.25	2.69	2.69	29.50	To be specified by purchaser.	4.75	26.00	31.75	1.38	24.00	300	702
28	36.50	2.81	2.81	31.50		4.94	28.00	34.00	1.38	28.00	345	833
30	38.75	2.94	2.94	33.75		5.38	30.00	36.00	1.38	28.00	400	982
32	41.75	3.19	3.19	36.00		5.69	32.00	38.50	1.62	28.00	505	1237
34	43.75	3.25	3.25	38.00		5.88	34.00	40.50	1.62	32.00	540	1384
36	46.00	3.56	3.56	40.25		6.19	36.00	42.75	1.62	32.00	640	1676
38	48.75	3.44	3.44	42.25		6.19	38.00	45.25	1.62	32.00	720	1819
40	50.75	3.56	3.56	44.25		6.44	40.00	47.25	1.62	36.00	775	2040
42	53.00	3.81	3.81	47.00		6.75	42.00	49.50	1.62	36.00	890	2381
44	55.25	4.00	4.00	49.00		7.00	44.00	51.75	1.62	40.00	990	2717
46	57.25	4.06	4.06	51.00		7.31	46.00	53.75	1.62	40.00	1060	2961
48	59.50	4.25	4.25	53.50		7.56	48.00	56.00	1.62	44.00	1185	3348
50	61.75	4.38	4.38	55.50		8.00	50.00	58.25	1.88	44.00	1270	3716
52	64.00	4.56	4.56	57.50		8.25	52.00	60.50	1.88	44.00	1410	4156
54	66.25	4.75	4.75	59.50		8.50	54.00	62.75	1.88	44.00	1585	4639
56	68.75	4.88	4.88	62.00		9.00	56.00	65.00	1.88	48.00	1760	5132
58	71.00	5.06	5.06	64.00		9.25	58.00	67.25	1.88	48.00	1915	5675
60	73.00	5.19	5.19	66.00		9.44	60.00	69.25	1.88	52.00	2045	6154

Dimensions in inches.

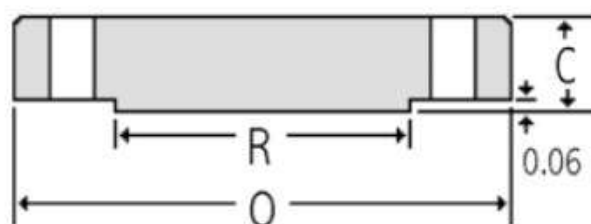
Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series A Class 300 Flanges



Weld Neck



Blind

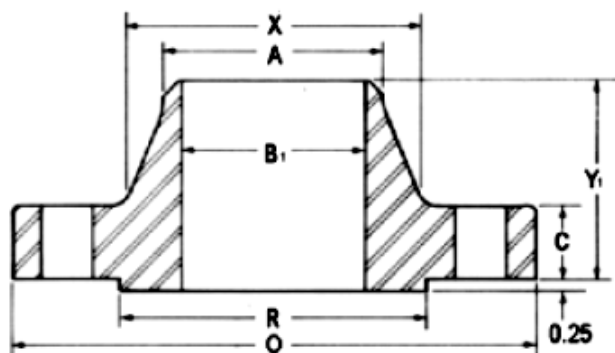
Nom. Pipe Size	OD O	Thickness		OD RF R	Dia at Base X	Bore B	LTH Y	Dia Bevel A	Bolt Circle	Drilling		Weight	
		Weld Neck C	Blind C							Dia Holes	# Holes	Weld Neck	Blind
26	38.25	3.12	3.31	29.50	28.38	To be specified by purchaser.	7.25	26.00	34.50	1.75	28.00	605	1078
28	40.75	3.38	3.56	31.50	30.50		7.75	28.00	37.00	1.75	28.00	745	1315
30	43.00	3.62	3.75	33.75	32.56		8.25	30.00	39.25	1.88	28.00	870	1543
32	45.25	3.88	3.94	36.00	34.69		8.75	32.00	41.50	2.00	28.00	1005	1795
34	47.50	4.00	4.12	38.00	36.88		9.12	34.00	43.50	2.00	28.00	1145	2068
36	50.00	4.12	4.38	40.25	39.00		9.50	36.00	46.00	2.12	32.00	1275	2436
38	46.00	4.25	4.25	40.50	39.12		7.12	38.00	43.00	1.62	32.00	695	2001
40	48.75	4.50	4.50	42.75	41.25		7.62	40.00	45.50	1.75	32.00	840	2380
42	50.75	4.69	4.69	44.75	43.25		7.88	42.00	47.50	1.75	32.00	950	2688
44	53.25	4.88	4.88	47.00	45.25		8.12	44.00	49.75	1.88	32.00	1055	3079
46	55.75	5.06	5.06	49.00	47.38		8.50	46.00	52.00	2.00	28.00	1235	3499
48	57.75	5.25	5.25	51.25	49.38		8.81	48.00	54.00	2.00	32.00	1380	3896
50	60.25	5.50	5.50	53.50	51.38		9.12	50.00	56.25	2.12	32.00	1530	4442
52	62.25	5.69	5.69	55.50	53.38		9.38	52.00	58.25	2.12	32.00	1660	4906
54	65.25	6.00	6.00	57.75	55.50		9.94	54.00	61.00	2.38	28.00	2050	5684
56	67.25	6.06	6.06	59.75	57.62		10.25	56.00	63.00	2.38	28.00	2155	6098
58	69.25	6.25	6.25	62.00	59.62		10.50	58.00	65.00	2.38	32.00	2270	6669
60	71.25	6.44	6.44	64.00	61.62		10.75	60.00	67.00	2.38	32.00	2470	7274

Dimensions in inches.

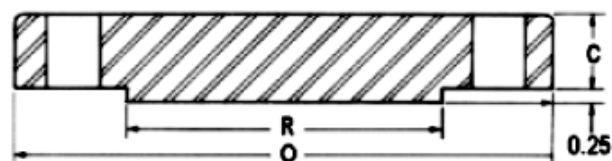
Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series A Class 400 Flanges



Weld Neck



Blind

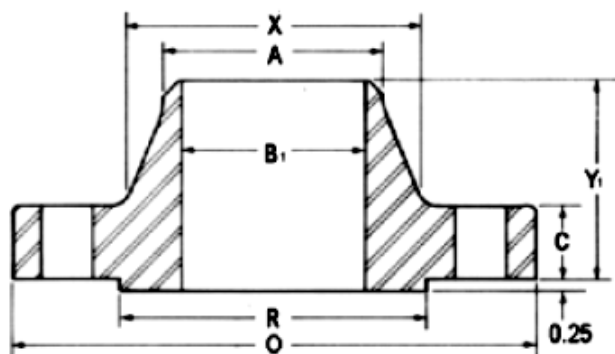
Nom. Pipe Size	OD O	Thickness		LTH Y	Dia at Base X	Dia Bevel A	OD RF R	Drilling			Weight	
		Weld Neck C	Blind C					Bolt Circle	# Holes	Dia Holes	Weld Neck	Blind
26	38.25	3.50	3.88	7.62	28.62	26.00	29.50	34.50	28.00	1.88	650	1263
28	40.75	3.75	4.12	8.12	30.81	28.00	31.50	37.00	28.00	2.00	785	1522
30	43.00	4.00	4.38	8.62	32.94	30.00	33.75	39.25	28.00	2.12	905	1802
32	45.25	4.25	4.56	9.12	35.00	32.00	36.00	41.50	28.00	2.12	1065	2077
34	47.50	4.38	4.81	9.50	37.19	34.00	38.00	43.50	28.00	2.12	1200	2415
36	50.00	4.50	5.06	9.88	39.38	36.00	40.25	46.00	32.00	2.12	1340	2815
38	47.50	4.88	4.88	8.12	39.50	38.00	40.75	44.00	32.00	1.88	935	2450
40	50.00	5.12	5.12	8.50	41.50	40.00	43.00	46.25	32.00	2.00	1090	2848
42	52.00	5.25	5.25	8.81	43.62	42.00	45.00	48.25	32.00	2.00	1190	3159
44	54.50	5.50	5.50	9.18	45.62	44.00	47.25	50.50	32.00	2.12	1375	3635
46	56.75	5.75	5.75	9.62	47.75	46.00	49.50	52.75	36.00	2.12	1525	4120
48	59.50	6.00	6.00	10.12	49.88	48.00	51.50	55.25	28.00	2.38	1790	4726
50	61.75	6.19	6.25	10.56	52.00	50.00	53.62	57.50	32.00	2.38	1950	5303
52	63.75	6.38	6.44	10.88	54.00	52.00	55.62	59.50	32.00	2.38	2125	5823
54	67.00	6.69	6.75	11.38	56.12	54.00	57.88	62.25	28.00	2.62	2565	6742
56	69.00	6.88	6.94	11.75	58.25	56.00	60.12	64.25	32.00	2.62	2710	7352
58	71.00	7.00	7.12	12.06	60.25	58.00	62.12	66.25	32.00	2.62	3230	7986
60	74.25	7.31	7.44	12.56	62.38	60.00	64.38	69.00	32.00	2.88	3820	9126

Dimensions in inches.

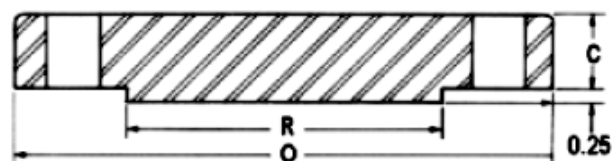
Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series A Class 600 Flanges



Weld Neck



Blind

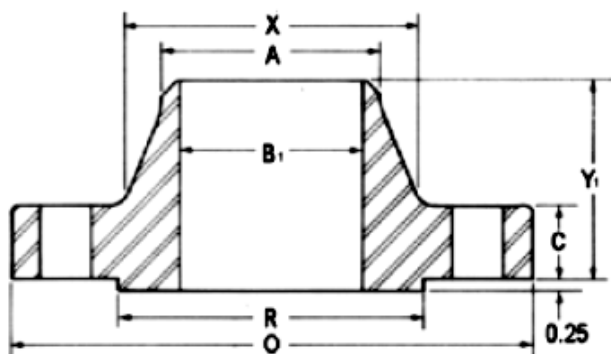
Nom. Pipe Size	OD O	Thickness		LTH Y	Dia at Base X	Dia Bevel A	OD RF R	Drilling			Weight	
		Weld Neck C	Blind C					Bolt Circle	# Holes	Dia Holes	Weld Neck	Blind
26	40.00	4.25	4.94	8.75	29.44	26.00	29.50	36.00	28.00	2.00	940	1759
28	42.25	4.38	5.19	9.25	31.62	28.00	31.50	38.00	28.00	2.12	1060	2061
30	44.50	4.50	5.50	9.75	33.94	30.00	33.75	40.25	28.00	2.12	1210	2423
32	47.00	4.62	5.81	10.25	36.12	32.00	36.00	42.50	28.00	2.38	1375	2856
34	49.00	4.75	6.06	10.62	38.31	34.00	38.00	44.50	28.00	2.38	1540	3237
36	51.75	4.88	6.38	11.12	40.62	36.00	40.25	47.00	28.00	2.62	1705	3802
38	50.00	6.00	6.12	10.00	40.25	38.00	41.50	45.75	28.00	2.38	1470	3404
40	52.00	6.25	6.38	10.38	42.25	40.00	43.75	47.75	32.00	2.38	1630	3838
42	55.25	6.62	6.75	11.00	44.38	42.00	46.00	50.50	28.00	2.62	2030	4585
44	57.25	6.81	7.00	11.38	46.50	44.00	48.25	52.50	32.00	2.62	2160	5105
46	59.50	7.06	7.31	11.81	48.62	46.00	50.25	54.75	32.00	2.62	2410	5758
48	62.75	7.44	7.69	12.44	50.75	48.00	52.50	57.50	32.00	2.88	2855	6737
50	65.75	7.75	8.00	12.94	52.88	50.00	54.50	60.00	28.00	3.12	3330	7695
52	67.75	8.00	8.25	13.25	54.88	52.00	56.50	62.00	32.00	3.12	3560	8426
54	70.00	8.25	8.56	13.75	57.00	54.00	58.75	64.25	32.00	3.12	3920	9333
56	73.00	8.56	8.88	14.25	59.12	56.00	60.75	66.75	32.00	3.38	4280	10529
58	75.00	8.75	9.12	14.56	61.12	58.00	63.00	68.75	32.00	3.38	4640	11414
60	78.50	9.19	9.56	15.31	63.38	60.00	65.25	71.75	28.00	3.62	5000	13108

Dimensions in inches.

Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series A Class 900 Flanges



Weld Neck



Blind

Nom. Pipe Size	OD O	Thickness		LTH Y	Dia at Base X	Dia Bevel A	OD RF R	Bolt Circle	Drilling # Holes	Dia Holes	Weight	
		Weld Neck C	Blind C								Weld Neck	Blind
26	42.75	5.50	6.31	11.25	30.50	26.00	29.50	37.50	20.00	2.88	1,525	2,566
28	46.00	5.62	6.75	11.75	32.75	28.00	31.50	40.25	20.00	3.12	1,810	3,178
30	48.50	5.88	7.18	12.25	35.00	30.00	33.75	42.75	20.00	3.12	2,120	3,758
32	51.75	6.25	7.62	13.00	37.25	32.00	36.00	45.50	20.00	3.38	2,545	4,541
34	55.00	6.50	8.06	13.75	39.62	34.00	38.00	48.25	20.00	3.62	2,970	5,425
36	57.50	6.75	8.44	14.25	41.88	36.00	40.25	50.75	20.00	3.62	3,395	6,209
38	57.50	7.50	8.50	13.88	42.25	38.00	43.25	50.75	20.00	3.62	3,385	6,253
40	59.50	7.75	8.81	14.31	44.38	40.00	45.75	52.75	24.00	3.62	3,620	6,940
42	61.50	8.12	9.12	14.62	46.31	42.00	47.75	54.75	24.00	3.62	3,960	7,675
44	64.88	8.44	9.56	15.38	48.62	44.00	50.00	57.62	24.00	3.88	4,300	8,954
46	68.25	8.88	10.06	16.18	50.88	46.00	52.50	60.50	24.00	4.12	4,640	10,426
48	70.25	9.19	10.38	16.50	52.88	48.00	54.50	62.50	24.00	4.12	4,980	11,398

Dimensions in inches.

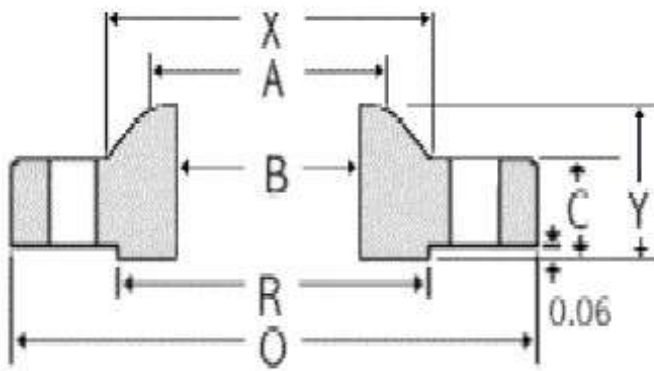
Note: Larger sizes as well as intermediate sizes can be furnished.



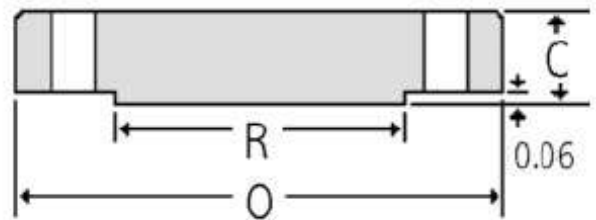
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AN ISO 9001 : 2008 CERTIFIED COMPANY

ANSI B16.47 Series B Class 150 Flanges



Weld Neck



Blind

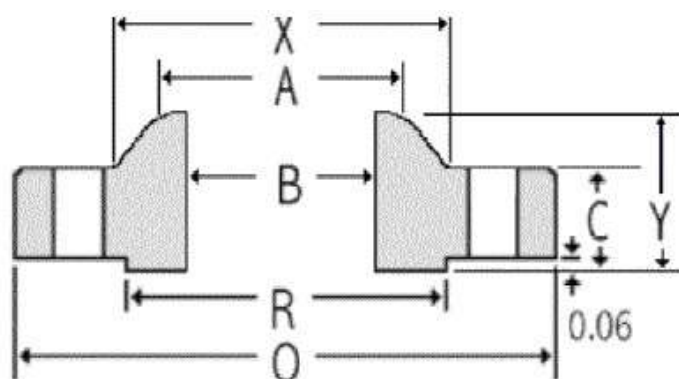
Nom. Pipe Size	Thickness			OD RF R	Dia at Base X	Bore B	LTH Y	Dia Bevel A	Drilling			Weight	
	OD O	Weld Neck C	Blind C						Bolt Circle	Dia Holes	# Holes	Weld Neck	Blind
26	30.94	1.62	1.75	28.00	26.94	To be specified by purchaser.	3.50	26.06	29.31	0.88	36.00	120	373
28	32.94	1.75	1.88	30.00	28.94		3.75	28.06	31.31	0.88	40.00	140	454
30	34.94	1.75	2.00	32.00	31.00		3.94	30.06	33.31	0.88	44.00	150	543
32	37.06	1.81	2.12	34.00	33.06		4.25	32.06	35.44	0.88	48.00	170	648
34	39.56	1.94	2.25	36.25	35.12		4.34	34.06	37.69	1.00	40.00	210	783
36	41.62	2.06	2.31	38.25	37.19		4.62	36.06	39.75	1.00	44.00	240	890
38	44.25	2.12	2.50	40.25	39.25		4.88	38.12	42.12	1.12	40.00	290	1,089
40	46.25	2.19	2.62	42.50	41.31		5.06	40.12	44.12	1.12	44.00	310	1,247
42	48.25	2.31	2.69	44.50	43.38		5.25	42.12	46.12	1.12	48.00	345	1,393
44	50.25	2.38	2.81	46.50	45.38		5.38	44.12	48.12	1.12	52.00	370	1,579
46	52.81	2.44	2.94	48.62	47.44		5.69	46.12	50.56	1.25	40.00	435	1,824
48	54.81	2.56	3.06	50.75	49.50		5.88	48.12	52.56	1.25	44.00	480	2,045
50	56.81	2.69	3.18	52.75	51.50		6.06	50.12	54.56	1.25	48.00	520	2,284
52	58.81	2.75	3.31	54.75	53.56		6.19	52.12	56.56	1.25	52.00	550	2,547
54	61.00	2.81	3.44	56.75	55.62		6.38	54.12	58.75	1.25	56.00	620	2,848
56	63.00	2.88	3.56	58.75	57.69		6.56	56.12	60.75	1.25	60.00	650	3,144
58	65.94	2.94	3.68	60.75	59.69		6.88	58.12	63.44	1.38	48.00	780	3,560
60	67.94	3.00	3.81	63.00	61.81		7.06	60.12	65.44	1.38	52.00	850	3,913

Dimensions in inches.

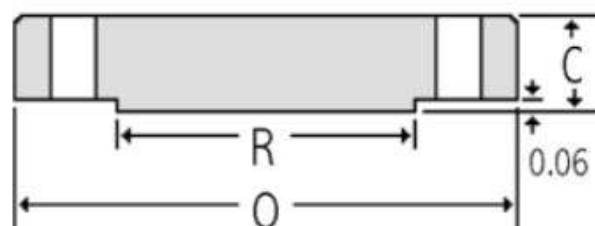
Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series B Class 300 Flanges



Weld Neck



Blind

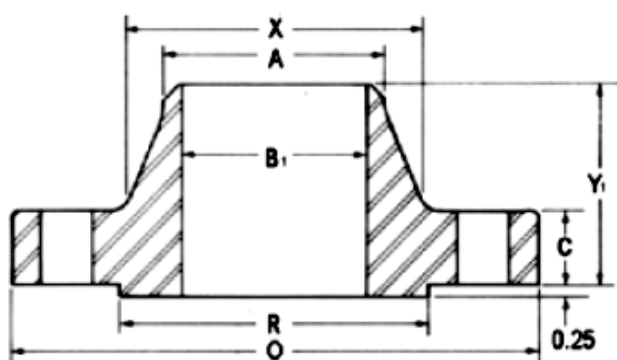
Nom. Pipe Size	OD O	Thickness		OD RF R	Dia at Base X	Bore B	LTH Y	Dia Bevel A	Drilling			Weight	
		Weld Neck C	Blind C						Bolt Circle	Dia Holes	# Holes	Weld Neck	Blind
26	34.12	3.50	3.50	29.00	27.62	To be specified by purchaser.	5.69	26.19	31.62	1.38	32.00	400	907
28	36.25	3.50	3.50	31.00	29.75		5.88	28.19	33.75	1.38	36.00	450	1,023
30	39.00	3.69	3.69	33.25	32.00		6.22	30.25	36.25	1.50	36.00	550	1,249
32	41.50	4.06	4.06	35.50	34.00		6.62	32.25	38.50	1.62	32.00	685	1,556
34	43.62	4.06	4.06	37.50	36.12		6.81	34.25	40.62	1.62	36.00	750	1,719
36	46.12	4.06	4.06	39.75	38.00		7.12	36.25	42.88	1.75	32.00	840	1,921
38	48.12	4.38	4.38	41.75	40.00		7.56	38.25	44.88	1.75	36.00	915	2,257
40	50.12	4.56	4.56	43.88	42.00		7.81	40.25	46.88	1.75	40.00	990	2,549
42	52.50	4.69	4.69	46.00	44.00		8.06	42.31	49.00	1.88	36.00	1,135	2,876
44	54.50	5.00	5.00	48.00	46.19		8.44	44.31	51.00	1.88	40.00	1,235	3,304
46	57.50	5.06	5.12	50.00	48.38		8.75	46.31	53.75	2.00	36.00	1,470	3,766
48	59.50	5.06	5.31	52.25	50.31		8.81	48.31	55.75	2.00	40.00	1,575	4,183
50	61.50	5.44	5.50	54.25	52.38		9.25	50.31	57.75	2.00	44.00	1,710	4,629
52	63.50	5.62	5.68	56.25	54.44		9.56	52.31	59.75	2.00	48.00	1,840	5,096
54	65.88	5.38	5.88	58.25	56.50		9.44	54.31	62.12	2.00	48.00	1,980	5,678
56	69.50	6.06	6.18	60.50	58.81		10.56	56.31	65.00	2.38	36.00	2,595	6,642
58	71.94	6.06	6.38	62.75	60.94		10.81	58.31	67.44	2.38	40.00	2,770	7,347
60	73.94	5.94	6.56	65.00	62.94		10.69	60.31	69.44	2.38	40.00	2,870	7,980

Dimensions in inches.

Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series B Class 400 Flanges



Weld Neck



Blind

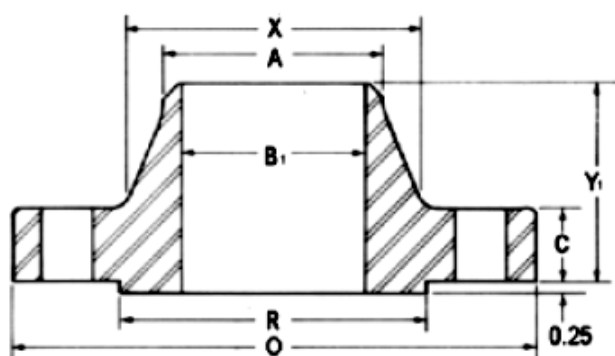
Nom. Pipe Size	OD O	Thickness		LTH Y	Dia at Base X	Dia Bevel A	OD RF R	Drilling			Weight	
		Weld Neck C	Blind C					Bolt Circle	# Holes	Dia Holes	Weld Neck	Blind
26	33.50	3.50	3.50	5.88	27.12	26.00	28.00	30.75	28.00	1.50	360	874
28	36.00	3.75	3.75	6.25	29.12	28.00	30.00	33.00	24.00	1.62	450	1,081
30	38.25	4.00	4.00	6.69	31.25	30.00	32.25	35.25	28.00	1.62	530	1,302
32	40.75	4.25	4.25	7.06	33.25	32.00	34.38	37.50	28.00	1.75	635	1,570
34	42.75	4.38	4.38	7.38	35.38	34.00	36.50	39.50	32.00	1.75	690	1,781
36	45.50	4.69	4.69	7.88	37.50	36.00	38.62	42.00	28.00	1.88	855	2,160
38	47.50	4.88	4.88	8.12	39.50	38.00	40.75	44.00	32.00	1.88	935	2,450
40	50.00	5.12	5.12	8.50	41.50	40.00	43.00	46.25	32.00	2.00	1,090	2,848
42	52.00	5.25	5.25	8.81	43.62	42.00	45.00	48.25	32.00	2.00	1,190	3,159
44	54.50	5.50	5.50	9.18	45.62	44.00	47.25	50.50	32.00	2.12	1,375	3,635
46	56.75	5.75	5.75	9.62	47.75	46.00	49.50	52.75	36.00	2.12	1,525	4,120
48	59.50	6.00	6.00	10.12	49.88	48.00	51.50	55.25	28.00	2.38	1,790	4,726
50	61.75	6.19	6.25	10.56	52.00	50.00	53.62	57.50	32.00	2.38	1,950	5,303
52	63.75	6.38	6.44	10.88	54.00	52.00	55.62	59.50	32.00	2.38	2,125	5,823
54	67.00	6.69	6.75	11.38	56.12	54.00	57.88	62.25	28.00	2.62	2,565	6,742
56	69.00	6.88	6.94	11.75	58.25	56.00	60.12	64.25	32.00	2.62	2,710	7,352
58	71.00	7.00	7.12	12.06	60.25	58.00	62.12	66.25	32.00	2.62	3,230	7,986
60	74.25	7.31	7.44	12.56	62.38	60.00	64.38	69.00	32.00	2.88	3,820	9,126

Dimensions in inches.

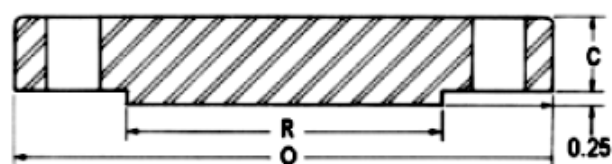
Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series B Class 600 Flanges



Weld Neck



Blind

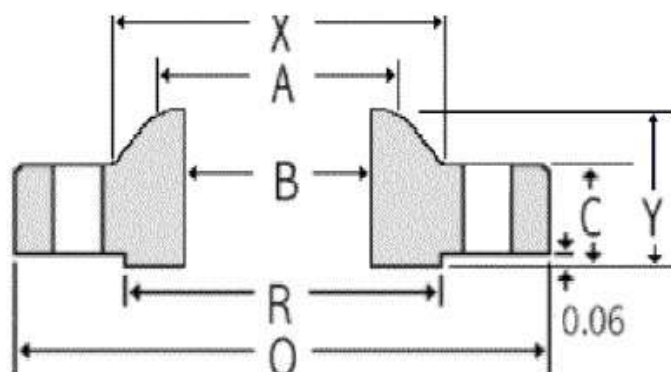
Nom. Pipe Size	OD O	Thickness		LTH Y	Dia at Base X	Dia Bevel A	OD RF R	Drilling			Weight	
		Weld Neck C	Blind C					Bolt Circle	# Holes	Dia Holes	Weld Neck	Blind
26	35.00	4.38	4.38	7.12	27.50	26.00	28.62	31.75	28.00	1.75	550	1,194
28	37.50	4.56	4.56	7.50	29.62	28.00	30.88	34.00	28.00	1.88	650	1,427
30	40.25	4.94	5.00	8.06	31.75	30.00	33.12	36.50	28.00	2.00	810	1,802
32	42.75	5.12	5.31	8.50	33.88	32.00	35.25	38.75	28.00	2.12	950	2,159
34	45.75	5.56	5.68	9.19	36.00	34.00	37.50	41.50	24.00	2.38	1,205	2,645
36	47.75	5.75	5.94	9.56	38.12	36.00	39.75	43.50	28.00	2.38	1,340	3,013
38	50.00	6.00	6.12	10.00	40.25	38.00	41.50	45.75	28.00	2.38	1,470	3,404
40	52.00	6.25	6.38	10.38	42.25	40.00	43.75	47.75	32.00	2.38	1,630	3,838
42	55.25	6.62	6.75	11.00	44.38	42.00	46.00	50.50	28.00	2.62	2,030	4,585
44	57.25	6.81	7.00	11.38	46.50	44.00	48.25	52.50	32.00	2.62	2,160	5,105
46	59.50	7.06	7.31	11.81	48.62	46.00	50.25	54.75	32.00	2.62	2,410	5,758
48	62.75	7.44	7.69	12.44	50.75	48.00	52.50	57.50	32.00	2.88	2,855	6,737
50	65.75	7.75	8.00	12.94	52.88	50.00	54.50	60.00	28.00	3.12	3,330	7,695
52	67.75	8.00	8.25	13.25	54.88	52.00	56.50	62.00	32.00	3.12	3,560	8,426
54	70.00	8.25	8.56	13.75	57.00	54.00	58.75	64.25	32.00	3.12	3,920	9,333
56	73.00	8.56	8.88	14.25	59.12	56.00	60.75	66.75	32.00	3.38	4,280	10,529
58	75.00	8.75	9.12	14.56	61.12	58.00	63.00	68.75	32.00	3.38	4,640	11,414
60	78.50	9.19	9.56	15.31	63.38	60.00	65.25	71.75	28.00	3.62	5,000	13,108

Dimensions in inches.

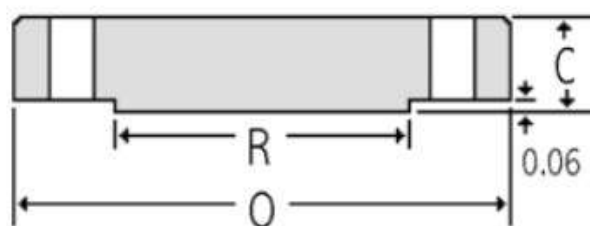
Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series B Class 75 Flanges



Weld Neck



Blind

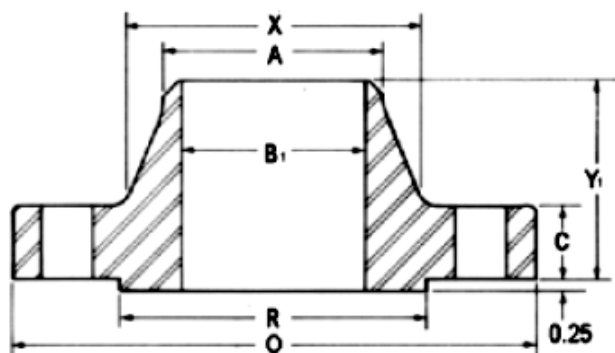
Nom. Pipe Size	Thickness		OD RF R	Dia at Base X	Bore B	LTH Y	Dia Bevel A	Drilling			Weight	
	OD O	Weld Neck C						Bolt Circle	Dia Holes	# Holes	Weld Neck	Blind
26	30.00	1.31	1.31	27.75	To be specified by purchaser.	2.31	26.06	28.50	0.75	36.00	80	255
28	32.00	1.31	1.31	29.75		2.44	28.06	30.50	0.75	40.00	85	290
30	34.00	1.31	1.31	31.75		2.56	30.06	32.50	0.75	44.00	90	330
32	36.00	1.38	1.44	33.75		2.75	32.06	34.50	0.75	48.00	105	390
34	38.00	1.38	1.50	35.75		2.88	34.06	36.50	0.75	52.00	110	430
36	40.69	1.44	1.67	38.00		3.38	36.06	39.06	0.88	40.00	145	518
38	42.69	1.50	1.75	40.00		3.50	38.06	41.06	0.88	40.00	160	595
40	44.69	1.50	1.75	42.00		3.62	40.06	43.06	0.88	44.00	170	760
42	46.69	1.56	1.88	44.00		3.75	42.06	45.06	0.88	48.00	185	895
44	49.25	1.69	1.94	46.25		4.12	44.06	47.38	1.00	36.00	230	1,065
46	51.25	1.75	2.00	48.25		4.25	46.06	49.38	1.00	40.00	245	1,185
48	53.25	1.81	2.12	50.25		4.38	48.06	51.38	1.00	44.00	270	1,315
50	55.25	1.88	2.18	52.25		4.56	50.06	53.38	1.00	44.00	290	1,505
52	57.38	1.88	2.25	54.25		4.75	52.06	55.50	1.00	48.00	310	1,665
54	59.38	1.94	2.38	56.25		4.94	54.06	57.50	1.00	48.00	340	1,840
56	62.00	2.00	2.44	58.50		5.31	56.06	59.88	1.12	40.00	400	2,110
58	64.00	2.06	2.50	60.50		5.44	58.06	61.88	1.12	44.00	430	2,300
60	66.00	2.19	2.62	62.50		5.69	60.06	63.88	1.12	44.00	475	2,500

Dimensions in inches.

Note: Larger sizes as well as intermediate sizes can be furnished.



ANSI B16.47 Series B Class 900 Flanges



Weld Neck



Blind

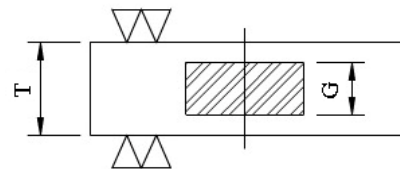
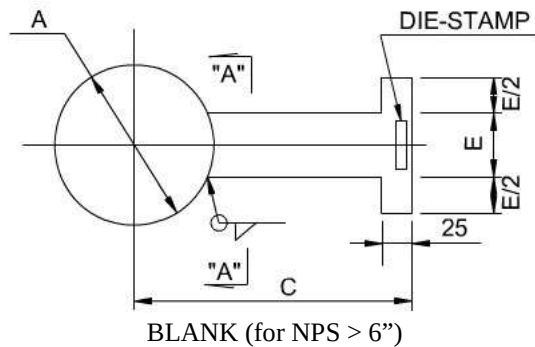
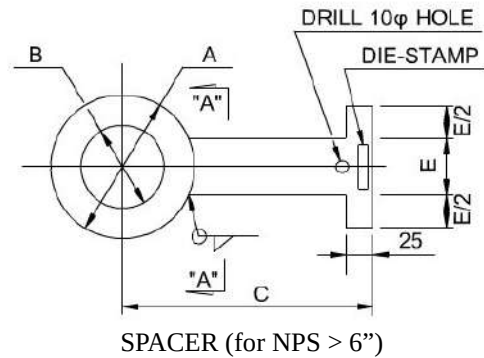
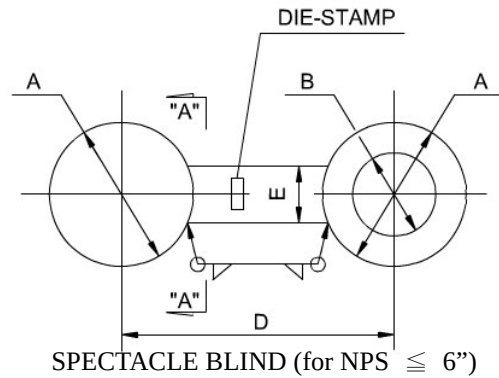
Nom. Pipe Size	OD O	Thickness		LTH Y	Dia at Base X	Dia Bevel A	OD RF R	Bolt Circle	Drilling		Weight	
		Weld Neck C	Blind C						# Holes	Dia Holes	Weld Neck	Blind
26	40.25	5.31	6.06	10.19	29.25	26.00	30.00	35.50	20.00	2.62	1,050	2,184
28	43.50	5.81	6.56	10.88	31.38	28.00	32.25	38.25	20.00	2.88	1,520	2,762
30	46.50	6.12	6.93	11.38	33.50	30.00	34.50	40.75	20.00	3.12	1,820	3,334
32	48.75	6.31	7.31	11.94	35.75	32.00	36.50	43.00	20.00	3.12	2,065	3,865
34	51.75	6.75	7.68	12.56	37.88	34.00	39.00	45.50	20.00	3.38	2,450	4,576
36	53.00	6.81	7.94	12.81	40.00	36.00	40.50	47.25	24.00	3.12	2,520	4,963
38	57.50	7.50	8.50	13.88	42.25	38.00	43.25	50.75	20.00	3.62	3,385	6,253
40	59.50	7.75	8.81	14.31	44.38	40.00	45.75	52.75	24.00	3.62	3,620	6,940
42	61.50	8.12	9.12	14.62	46.31	42.00	47.75	54.75	24.00	3.62	3,960	7,675
44	64.88	8.44	9.56	15.38	48.62	44.00	50.00	57.62	24.00	3.88	4,300	8,954
46	68.25	8.88	10.06	16.18	50.88	46.00	52.50	60.50	24.00	4.12	4,640	10,426
48	70.25	9.19	10.38	16.50	52.88	48.00	54.50	62.50	24.00	4.12	4,980	11,398

Dimensions in inches.

Note: Larger sizes as well as intermediate sizes can be furnished.



Spectacle Blind



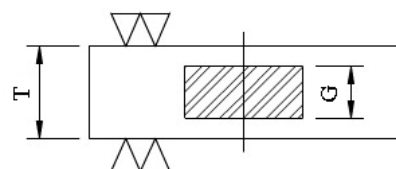
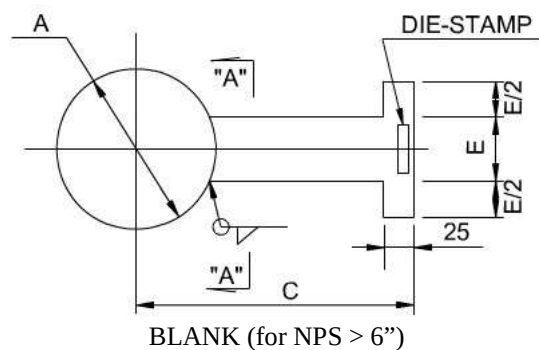
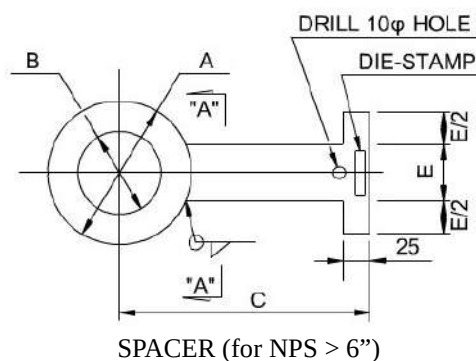
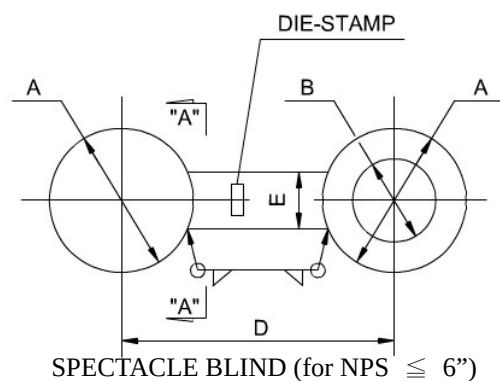
NPS	B	E	CLASS 150 (R.F.)					CLASS 300 (R.F.)				
			A	C	D	G	T	A	C	D	G	T
1/2"	21	25	45	-	89	7	6	51	-	95	7	6
3/4"	27		54	-	98		6	64	-	117		6
1"	33		64	-	108		6	70	-	124		6
(1-1/4")	42		73	-	117		6	76	-	133		7
1-1/2"	48		83	-	121		6	92	-	146		8
2"	60		102	-	143		7	108	-	159		9
(2-1/2")	73	40	121	-	165		8	127	-	180		10
3"	89		133	-	178		8	146	-	203		11
4"	114		172	-	222		10	178	-	241		14
(5")	128		194	-	250	10	11	213	-	270	10	15
6"	168		219	-	279	10	13	248	-	299	10	18
8"	219		276	270	-	10	16	305	290	-	10	23
10"	273		337	305	-	13	18	359	325	-	13	28
12"	324		406	345	-	13	21	419	360	-	13	32
14"	356	50	448	365	-	19	23	483	395	-	19	35
16"	406		511	400	-	19	26	537	425	-	19	39
18"	457		546	420	-	25	29	594	460	-	25	44
20"	508		603	450	-	25	31	651	490	-	25	48
24"	610		714	510	-	25	37	772	560	-	25	57

Notes:

1. The thickness "T" based on B31.3 with 1.6mm corrosion.
2. Gasket contact face shall be machined in accordance with the requirement of job material spec.



Spectacle Blind



NPS	B	E	CLASS 600 (R.F.)					CLASS 900 (R.F.)				
			A	C	D	G	T	A	C	D	G	T
1/2"	21	25	52	-	105	7	7	61	-	121	7	8
3/4"	27		64	-	117		8	67	-	130		9
1"	32		70	-	124		9	77	-	149		10
(1-1/4")	35		80	-	133		9	86	-	155		10
1-1/2"	48		93	-	146		11	95	-	159		12
2"	60		108	-	159		12	140	-	203		16
(2-1/2")	73	40	127	-	185		16	162	-	220		16
3"	89		146	-	203		16	165	-	229		19
4"	114		191	-	248		19	203	-	273		22
(5")	128		239	-	315	10	22	243	-	330	10	25
6"	168		264	-	325	10	25	286	-	362	10	32
8"	219		318	310	-	10	32	356	310	-	10	38
10"	273		397	355	-	13	38	432	355	-	13	46
12"	324		454	380	-	13	45	495	380	-	13	54
14"	356	50	489	405	-	19	50	518	405	-	19	58
16"	406		562	435	--	19	55	572	445	-	19	66
18"	457		610	475	-	25	61	635	475	-	25	74
20"	508		680	515	-	25	67	695	510	-	25	81
24"	610		787	570	-	25	79	835	570	-	25	97

Notes:

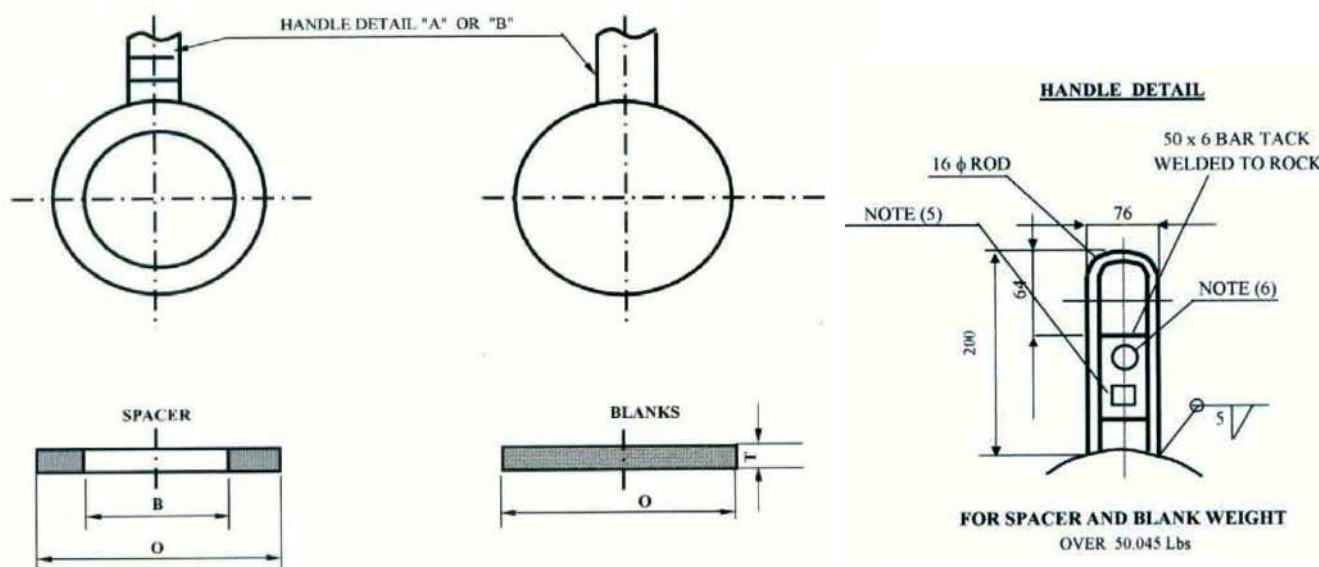
1. The thickness "T" are based on B31.3 -1981 with 4.5mm corrosion and mechanical allowance.
2. Gasket contact face shall be machined in accordance with the requirement of project spec.



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

Spacer & Blank - CLASS 600



SIZE (NPS)	OUTSIDE DIAMETER (O) inches	INSIDE DIAMETER (B) inches	THICKNESS (T) inches	SPACER WEIGHT (Lbs)	BLANK WEIGHT (Lbs)
10	1' - 3 11/16"	10 1/2	1 1/2	48.3	87.4
12	1' - 5 7/8"	1' - 1/2"	1 13/16	69.1	125.5
14	1' - 7 3/8"	1' - 1 11-16"	1 7/8	81.6	159
16	1' - 10 3/16	1' - 3 11/16"	2 3/16	124.6	249.2
18	2' - 1/8"	1' - 5 11/16"	2 5/16	145.1	315.1
20	2' - 2 13/16"	1' - 7 5/8"	2 11/16	209.3	450.7
24	2' - 7"	1' - 11 5/8"	3	291.5	686.8

Notes:

1. Spacer and Blank dimensions conform to API 590, except thickness T.
2. To be installed between flanges as per ASME B16.5, with jackscrew assembly.
3. Gasket contact surface shall be 125 to 320 RMS as per ASME B46.1.
4. For dimensional tolerances refer attachment-6.
5. To be die stamped 'SPACER' and 'BLANK' on each item respectively.
6. Pipe size, flange rating and material to be die stamped on the handle.
7. All units are in inches unless for value equal to and/or larger than 12" shall use combination of feet(s) and inches.



UNIFIT METALLOYS INC
AN ISO 9001 : 2008 CERTIFIED COMPANY

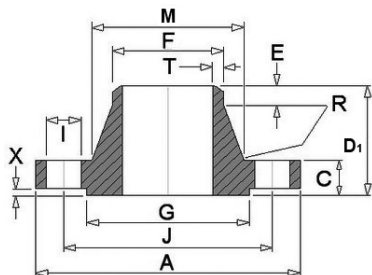
BS Flanges



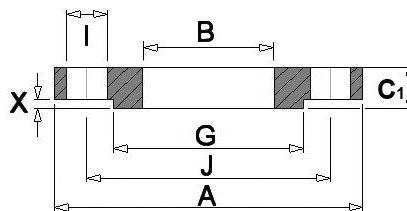


BS4504 PN2.5 Flanges

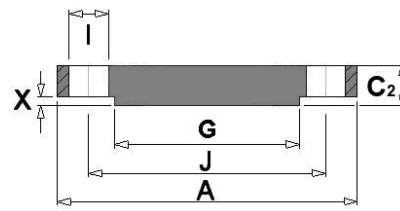
CODE 111



CODE 101



CODE 105



Dimensions in mm

Nom. Size DN	Flange					Raised Face		Drilling			Bolting	Neck					Bore Diameter B
	A	C	C1	C2	D1	G	X	No.	I	J		M	F	E	R	T	
10	75	12	12	12	28	35	2	4	11	50	M10	26	17.2	6	3	1.8	18.0
15	80	12	12	12	30	40	2	4	11	55	M10	30	21.3	6	3	2.0	22.0
20	90	14	14	14	32	50	2	4	11	65	M10	38	26.9	6	4	2.3	27.5
25	100	14	14	14	35	60	2	4	11	75	M10	42	33.7	6	4	2.6	34.5
32	120	14	16	14	35	70	2	4	14	90	M12	55	42.4	6	5	2.6	43.5
40	130	14	16	14	38	80	3	4	14	100	M12	62	48.3	7	5	2.6	49.5
50	140	14	16	14	38	90	3	4	14	110	M12	74	60.3	8	5	2.9	61.5
65	160	14	16	14	38	110	3	4	14	130	M12	88	76.1	9	6	2.9	77.5
80	190	16	18	16	42	128	3	4	18	150	M16	102	88.9	10	6	3.2	90.5
100	210	16	18	16	45	148	3	4	18	170	M16	130	114.3	10	6	3.6	116.0
125	240	18	20	18	48	178	3	8	18	200	M16	155	139.7	10	6	4.0	141.5
150	265	18	20	18	48	202	3	8	18	225	M16	184	168.3	12	8	4.5	170.5
200	320	20	22	20	55	258	3	8	18	280	M16	236	219.1	15	8	5.6	221.5
250	375	22	24	22	60	312	3	12	18	335	M16	290	273.0	15	10	6.3	276.5
300	440	22	24	22	62	365	4	12	22	395	M20	342	323.9	15	10	7.1	327.6
350	490	22	26	22	62	415	4	12	22	445	M20	385	355.6	15	10	7.1	359.0
400	540	22	28	22	65	465	4	16	22	495	M20	438	406.4	15	10	7.1	411.0
450	595	24	30	24	65	520	4	16	22	550	M20	492	457.0	15	12	7.1	462.0
500	645	24	30	24	68	570	4	20	22	600	M20	538	508.0	15	12	7.1	513.5
600	755	24	32	34	70	670	5	20	26	705	M24	640	610.0	16	12	7.1	616.5
700	860	24	36	-	70	-	5	24	26	810	M24	740	711.0	16	12	-	-
800	975	26	38	-	70	-	5	24	30	920	M27	842	813.0	16	12	-	-
900	1075	26	40	-	70	-	5	24	30	1020	M27	942	914.0	16	12	-	-
1000	1175	26	42	-	70	-	5	28	30	1120	M27	1045	1016.0	16	12	-	-
1200	1375	26	44	-	70	-	5	32	30	1320	M27	1245	1220.0	16	16	-	-
1400	1575	26	48	-	70	-	5	36	30	1520	M27	1445	1420.0	16	16	-	-
1600	1790	26	51	-	80	-	5	40	30	1730	M27	1645	1620.0	20	16	-	-
1800	1990	26	54	-	80	-	5	44	30	1930	M27	1845	1820.0	20	16	-	-
2000	2190	26	58	-	80	-	5	48	30	2130	M27	2045	2020.0	22	16	-	-

* Care should be taken with these sizes as the pipe o.d. does not relate to normal stainless steel dimensions.

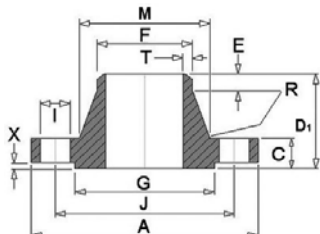
1. Weldnecks (code 111) are bored to suit schedule of pipework used.

2. Code 105 flanges are supplied flat faced unless otherwise requested by the purchaser.

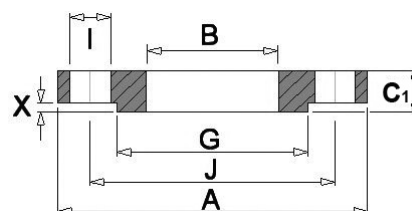


BS4504 PN6 Flanges

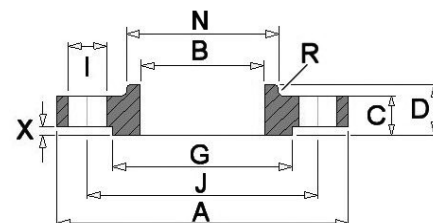
CODE 111



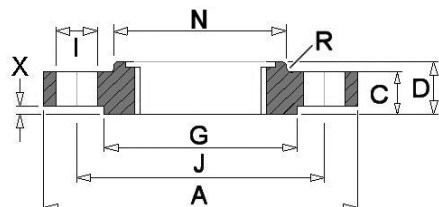
CODE 101



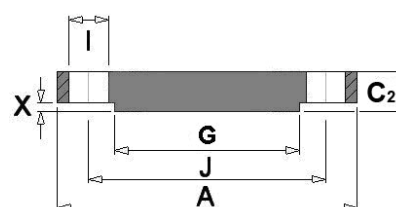
CODE 112



CODE 113



CODE 105



Dimensions in mm

Nom. Size DN	Flange						Raised Face		Boss	Drilling			Bolting	Neck					Bore Diameter B
	A	C	C1	C2	D	D1	G	X		No.	I	J		M	F	E	R	T	
10	75	12	12	12	20	28	35	2	25	4	11	50	M10	26	17.2	6	3	1.8	18.0
15	80	12	12	12	20	30	40	2	30	4	11	55	M10	30	21.3	6	3	2.0	22.0
20	90	14	14	14	24	32	50	2	40	4	11	65	M10	38	26.9	6	4	2.3	27.5
25	100	14	14	14	24	35	60	2	50	4	11	75	M10	42	33.7	6	4	2.6	34.5
32	120	14	16	14	26	35	70	2	60	4	14	90	M12	55	42.4	6	5	2.6	43.5
40	130	14	16	14	26	38	80	3	70	4	14	100	M12	62	48.3	7	5	2.6	49.5
50	140	14	16	14	28	38	90	3	80	4	14	110	M12	74	60.3	8	5	2.9	61.5
65	160	14	16	14	32	38	110	3	100	4	14	130	M12	88	76.1	9	6	2.9	77.5
80	190	16	18	16	34	42	128	3	110	4	18	150	M16	102	88.9	10	6	3.2	90.5
100	210	16	18	16	40	45	148	3	130	4	18	170	M16	130	114.3	10	6	3.6	116.0
125	240	18	20	18	44	48	178	3	160	8	18	200	M16	155	139.7	10	6	4.0	141.5
150	265	18	20	18	44	48	202	3	185	8	18	225	M16	184	168.3	12	8	4.5	170.5
200	320	20	22	20	44	55	258	3	240	8	18	280	M16	236	219.1	15	8	5.6	221.5
250	375	22	24	22	44	60	312	3	295	12	18	335	M16	290	273.0	15	10	6.3	276.5
300	440	22	24	22	44	62	365	4	355	12	22	395	M20	342	323.9	15	10	7.1	327.5
350	490	22	26	22	-	62	415	4	-	12	22	445	M20	385	355.6	15	10	7.1	359.5
400	540	22	28	22	-	65	465	4	-	16	22	495	M20	438	406.4	15	10	7.1	411.0
450	595	24	30	24	-	65	520	4	-	16	22	550	M20	492	457.0	15	12	7.1	462.0
500	645	24	30	24	-	68	570	4	-	20	22	600	M20	538	508.0	15	12	7.1	513.5
600	755	24	32	34	-	70	670	5	-	20	26	705	M24	640	610.0	16	12	7.1	616.5
700	860	24	40	38	-	70	775	5	-	24	26	810	M24	740	711.0	16	12	7.1	-
800	975	24	44	42	-	70	880	5	-	24	30	920	M27	842	813.0	16	12	7.1	-
900	1075	26	48	46	-	70	980	5	-	24	30	1020	M27	942	914.0	16	12	7.1	-
1000	1175	26	52	52	-	70	1080	5	-	28	30	1120	M27	1045	1016.0	16	12	7.1	-
1200	1405	28	60	60	-	90	1295	5	-	32	33	1340	M30	1248	1220.0	20	12	8.0	-
1400	1630	32	68	68	-	90	1510	5	-	36	36	1560	M33	1452	1420.0	20	12	8.0	-
1600	1830	34	76	76	-	90	1710	5	-	40	36	1760	M33	1655	1620.0	20	12	9.0	-
1800	2045	36	84	84	-	100	1920	5	-	44	39	1970	M36	1855	1820.0	20	15	10.0	-
2000	2265	38	92	92	-	110	2125	5	-	48	42	2180	M39	2058	2020.0	25	15	11.0	-

* Care should be taken with these sizes as the pipe o.d. does not relate to normal stainless steel dimensions.

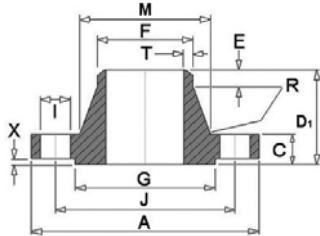
1. Weldnecks (code 111) are bored to suit schedule of pipework used.

2. Code 105 flanges are supplied flat faced unless otherwise requested by the purchaser.

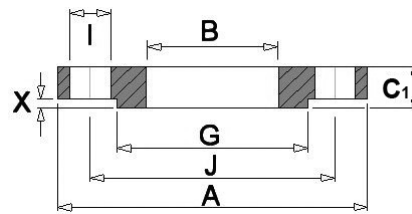


BS4504 PN10 Flanges

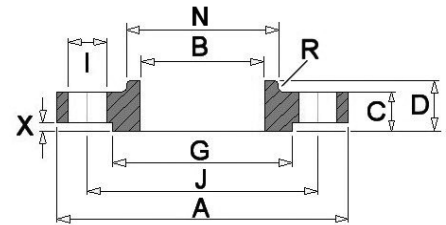
CODE 111



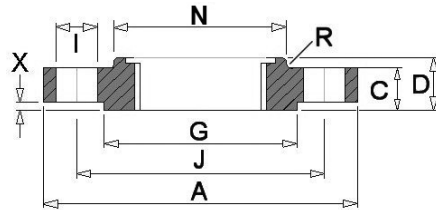
CODE 101



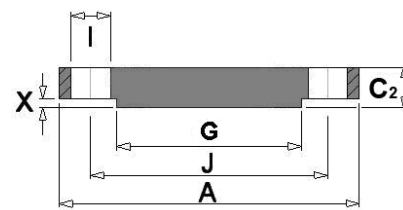
CODE 112



CODE 113



CODE 105



Dimensions in mm

Nom. Size DN	Flange						Raised Face		Boss	Drilling			Bolting	Neck					Bore Diameter B
	A	C	C1	C2	D	D1	G	X	N	No.	I	J		M	F	E	R	T	
10	90	14	14	14	20	35	40	2	30	4	14	60	M12	28	17.2	6	3	1.8	18.0
15	95	14	14	14	20	35	45	2	35	4	14	65	M12	32	21.3	6	3	2.0	22.0
20	105	16	16	16	24	38	58	2	45	4	14	75	M12	39	26.9	6	4	2.3	27.5
25	115	16	16	16	24	38	68	2	52	4	14	85	M12	46	33.7	6	4	2.6	34.5
32	140	16	18	16	26	40	78	2	60	4	18	100	M16	56	42.4	6	5	2.6	43.5
40	150	16	18	16	26	42	88	3	70	4	18	110	M16	64	48.3	7	5	2.6	49.5
50	165	18	20	18	28	45	102	3	84	4	18	125	M16	74	60.3	8	5	2.9	61.5
65	185	18	20	18	32	45	122	3	104	4 / 8	18	145	M16	92	76.1	10	6	2.9	77.5
80	200	20	20	20	34	50	138	3	118	8	18	160	M16	110	88.9	10	6	3.2	90.5
100	220	20	22	20	40	52	162	3	140	8	18	180	M16	130	114.3	12	6	3.6	116.0
125 *	250	22	22	22	44	55	188	3	168	8	18	210	M16	158	139.7	12	6	4.0	141.5
150	285	22	24	22	44	55	212	3	195	8	22	240	M20	184	168.3	12	8	4.5	170.5
200	340	24	24	24	44	62	268	3	246	8	22	295	M20	234	219.1	16	8	5.6	221.5
250	395	26	26	26	46	68	320	3	298	12	22	350	M20	288	273.0	16	10	6.3	276.5
300	445	26	28	26	46	68	370	4	350	12	22	400	M20	342	323.9	16	10	7.1	327.6
350	505	26	28	26	53	68	430	4	400	16	22	460	M20	390	355.6	16	10	7.1	359.0
400	565	26	32	26	57	72	482	4	456	16	26	515	M24	440	406.4	16	10	7.1	411.0
450	615	28	36	28	63	72	532	4	502	20	26	565	M24	488	457.0	16	12	7.1	462.0
500	670	28	38	28	67	75	585	4	559	20	26	620	M24	540	508.0	16	12	7.1	513.5
600	780	28	42	34	75	80	685	5	658	20	30	725	M27	640	610.0	18	12	7.1	616.5
700	895	30	-	38	-	80	800	5	-	24	30	840	M27	746	711.0	18	12	8.0	-
800	1015	32	-	42	-	90	905	5	-	24	33	950	M30	848	813.0	18	12	8.0	-
900	1115	34	-	46	-	95	1005	5	-	28	33	1050	M30	948	914.0	20	12	10.0	-
1000	1230	34	-	52	-	95	1110	5	-	28	36	1160	M33	1050	1016.0	20	12	10.0	-
1200	1455	38	-	60	-	115	1330	5	-	32	39	1380	M36	1256	1220.0	25	12	11.0	-
1400	1675	42	-	-	-	120	1535	5	-	36	42	1590	M39	1460	1420.0	25	12	12.0	-
1600	1915	46	-	-	-	130	1760	5	-	40	48	1820	M45	1666	1620.0	25	12	14.0	-
1800	2115	50	-	-	-	140	1960	5	-	44	48	2020	M45	1866	1820.0	30	15	15.0	-
2000	2325	54	-	-	-	150	2170	5	-	48	48	2230	M45	2070	2020.0	30	15	16.0	-
2200	2550	58	-	-	-	160	2370	6	-	52	56	2440	M52	2275	2220.0	35	15	-	-
2400	2760	62	-	-	-	170	2570	6	-	56	56	2650	M52	2478	2420.0	35	15	-	-
2600	2960	65	-	-	-	180	2780	6	-	60	56	2850	M52	2680	2620.0	40	18	-	-
2800	3180	70	-	-	-	190	3000	6	-	64	56	3070	M52	2882	2820.0	40	18	-	-
3000	3405	75	-	-	-	200	3210	6	-	68	62	3290	M56	3085	3020.0	40	18	-	-

* Care should be taken with these sizes as the pipe o.d. does not relate to normal stainless steel dimensions.

1. Weldnecks (code 111) are bored to suit schedule of pipework used.

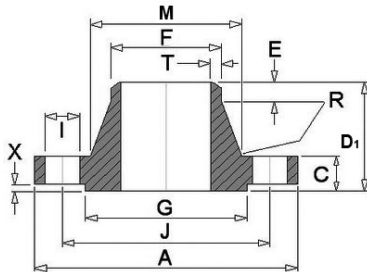
2. Code 105 flanges are supplied flat faced unless otherwise requested by the purchaser.

3. For information sizes DN10 to DN150 use PN16 dimensions.

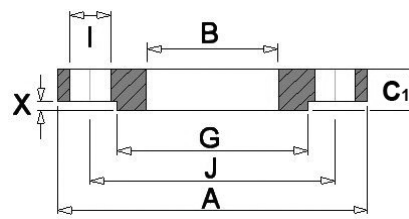


BS4504 PN16 Flanges

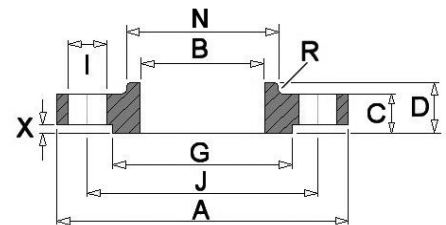
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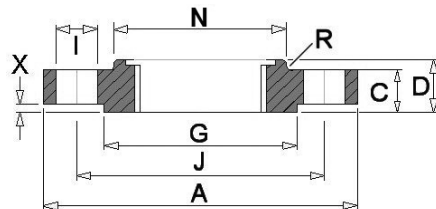
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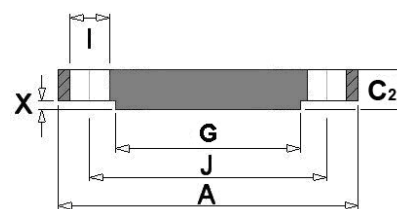
CODE 112



CODE 113



CODE 105



Dimensions in mm

Nom. Size	Flange						Raised Face		Boss	Drilling			Bolting	Neck					Bore Diameter	
	DN	A	C	C1	C2	D	D1	G		X	N	No.		I	J	M	F	E		R
10	90	14	14	14	14	20	35	40	2	30	4	14	60	M12	28	17.2	6	3	1.8	18.0
15	95	14	14	14	14	20	35	45	2	35	4	14	65	M12	32	21.3	6	3	2.0	22.0
20	105	16	16	16	16	24	38	58	2	45	4	14	75	M12	39	26.9	6	4	2.3	27.5
25	115	16	16	16	16	24	38	68	2	52	4	14	85	M12	46	33.7	6	4	2.6	34.5
32	140	16	18	16	16	26	40	78	2	60	4	18	100	M16	56	42.4	6	5	2.6	43.5
40	150	16	18	16	16	26	42	88	3	70	4	18	110	M16	64	48.3	7	5	2.6	49.5
50	165	18	20	18	18	28	45	102	3	84	4	18	125	M16	74	60.3	8	5	2.9	61.5
65	185	18	20	18	18	32	45	122	3	104	4 / 8	18	145	M16	92	76.1	10	6	2.9	77.5
80	200	20	20	20	20	34	50	138	3	118	8	18	160	M16	110	88.9	10	6	3.2	90.5
100	220	20	22	20	20	40	52	162	3	140	8	18	180	M16	130	114.3	12	6	3.6	116.0
125 *	250	22	22	22	22	44	55	188	3	168	8	18	210	M16	158	139.7	12	6	4.0	141.5
150	285	22	24	22	22	44	55	212	3	195	8	22	240	M20	184	168.3	12	8	4.5	170.5
200	340	24	26	24	24	44	62	268	3	246	12	22	295	M20	234	219.1	16	8	5.6	221.5
250	405	26	29	26	26	46	70	320	3	298	12	26	355	M24	288	273.0	16	10	6.3	276.5
300	460	28	32	28	28	46	78	378	4	350	12	26	410	M24	342	323.9	16	10	7.1	327.6
350	520	30	35	30	30	57	82	438	4	400	16	26	470	M24	390	355.6	16	10	8.0	359.0
400	580	32	38	32	32	63	85	490	4	456	16	30	525	M27	444	406.4	16	10	8.0	411.0
450	640	34	42	36	36	63	87	550	4	502	20	30	585	M27	490	457.0	16	12	8.0	462.0
500	715	34	46	36	36	73	90	610	4	559	20	33	650	M30	546	508.0	16	12	8.0	513.5
600	840	36	52	44	44	83	95	725	5	658	20	36	770	M33	650	610.0	18	12	8.8	616.5
700	910	36	60	48	48	83	100	795	5	760	24	36	840	M33	750	711.0	18	12	8.6	-
800	1025	38	68	52	52	90	105	900	5	864	24	39	950	M36	848	813.0	20	12	10.0	-
900	1125	40	76	58	58	94	110	1000	5	968	28	39	1050	M36	948	914.0	20	12	10.0	-
1000	1255	42	84	64	64	100	120	1115	5	1072	28	42	1170	M39	1056	1016.0	22	12	10.0	-
1200	1485	48	98	76	-	130	1330	5	-	32	48	1390	M45	1260	1220.0	30	12	12.5	-	
1400	1685	52	-	-	-	145	1530	5	-	36	48	1590	M45	1465	1420.0	30	12	14.2	-	
1600	1930	58	-	-	-	160	1750	5	-	40	56	1820	M52	1668	1620.0	35	12	16.0	-	
1800	2130	62	-	-	-	170	1950	5	-	44	56	2020	M52	1870	1820.0	35	15	17.5	-	
2000	2435	66	-	-	-	190	2150	5	-	48	62	2230	M56	2072	2020.0	40	15	20.0	-	

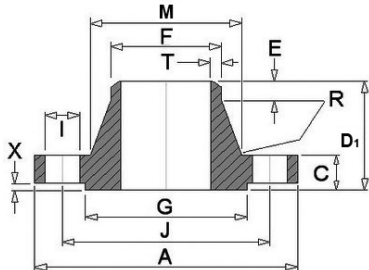
* Care should be taken with these sizes as the pipe o.d. does not relate to normal stainless steel dimensions.

1. Weldnecks (code 111) are bored to suit schedule of pipework used.
2. Code 105 flanges are supplied flat faced unless otherwise requested by the purchaser.

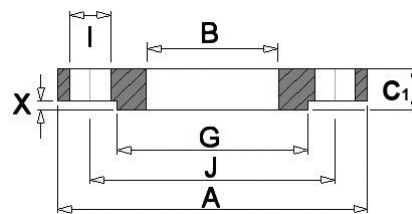


BS4504 PN25 Flanges

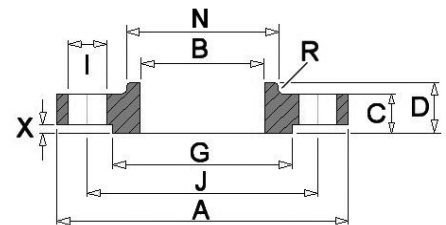
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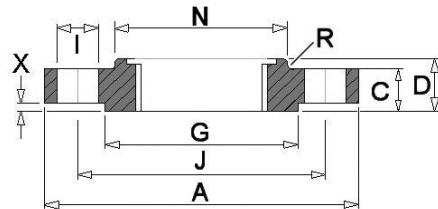
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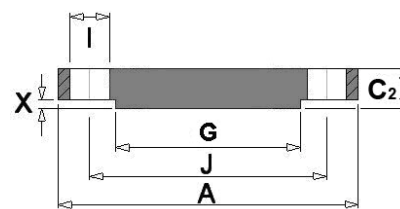
CODE 112



CODE 113



CODE 105



Dimensions in mm

Nom. Size DN	Flange						Raised Face		Boss	Drilling			Bolting	Neck					Bore Diameter B
	A	C	C1	C2	D	D1	G	X		No.	I	J		M	F	E	R	T	
10	90	16	14	16	22	35	40	2	30	4	14	60	M12	28	17.2	6	3	1.8	18.0
15	95	16	14	16	22	38	45	2	35	4	14	65	M12	32	21.3	6	3	2.0	22.0
20	105	18	16	18	26	40	58	2	45	4	14	75	M12	40	26.9	6	4	2.3	27.5
25	115	18	16	18	28	40	68	2	52	4	14	85	M12	46	33.7	6	4	2.6	34.5
32	140	18	18	18	30	42	78	2	60	4	18	100	M16	56	42.4	6	5	2.6	43.5
40	150	18	18	18	32	45	88	3	70	4	18	110	M16	64	48.3	7	5	2.6	49.5
50	165	20	20	20	34	48	102	3	84	4	18	125	M16	74	60.3	8	5	2.9	61.5
65	185	22	22	22	38	52	122	3	104	8	18	145	M16	92	76.1	10	6	2.9	77.5
80	200	24	24	24	40	58	138	3	118	8	18	160	M16	110	88.9	12	6	3.2	90.5
100	235	24	26	24	44	65	162	3	145	8	22	190	M20	134	114.3	12	6	3.6	116.0
125	270	26	28	26	48	68	188	3	170	8	26	220	M24	162	139.7	12	6	4.0	141.5
150	300	28	30	28	52	75	218	3	200	8	26	250	M24	190	168.3	12	8	4.5	170.5
200	360	30	32	30	52	80	278	3	256	12	26	310	M24	244	219.1	16	8	6.3	221.5
250	425	32	35	32	60	88	335	3	310	12	30	370	M27	296	273.0	18	10	7.1	276.5
300	485	34	38	34	67	92	395	4	364	16	30	430	M27	350	323.9	18	10	8.0	327.5
350	555	38	42	38	72	100	450	4	418	16	33	490	M30	398	355.6	20	10	8.0	359.5
400	620	40	46	40	78	110	505	4	472	16	36	550	M33	452	406.4	20	10	8.8	411.0
450	670	42	50	44	84	110	555	4	520	20	36	600	M33	500	457.0	20	12	8.8	462.0
500	730	44	56	45	90	125	615	4	580	20	36	660	M33	558	508.0	20	12	10.0	513.5
600	845	46	68	54	100	125	720	5	684	20	39	770	M36	660	610.0	20	12	11.0	616.5
700	960	46	-	-	-	125	820	5	-	24	42	875	M39	760	711.0	20	12	12.5	-
800	1085	50	-	-	-	135	930	5	-	24	48	990	M45	864	813.0	22	12	14.2	-
900	1185	54	-	-	-	145	1030	5	-	28	48	1090	M45	968	914.0	24	12	16.0	-
1000	1320	58	-	-	-	155	1140	5	-	28	56	1210	M52	1070	1016.0	24	12	17.5	-
1200	1530	-	-	-	-	-	1350	5	-	32	56	1420	M52	-	1220.0	-	12	12.5	-
1400	1755	-	-	-	-	-	1560	5	-	36	62	1640	M56	-	1420.0	-	12	14.2	-
1600	1975	-	-	-	-	-	1780	5	-	40	62	1860	M56	-	1620.0	-	12	16.0	-
1800	2185	-	-	-	-	-	1985	5	-	44	70	2070	M64	-	1820.0	-	15	17.5	-
2000	2425	-	-	-	-	-	2210	5	-	48	70	2300	M64	-	2020.0	-	15	20.0	-

* Care should be taken with these sizes as the pipe o.d. does not relate to normal stainless steel dimensions.

1. Weldnecks (code 111) are bored to suit schedule of pipework used.

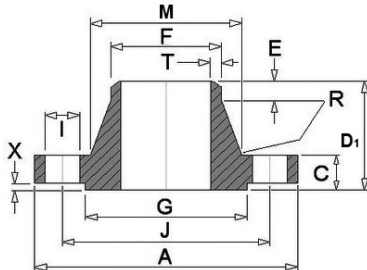
2. Code 105 flanges are supplied flat faced unless otherwise requested by the purchaser.

3. For information sizes DN10 to DN150 use PN40 dimensions.

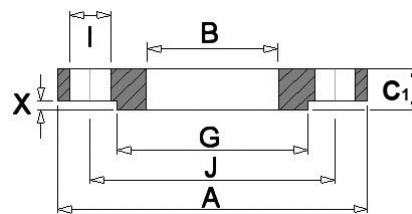


BS4504 PN40 Flanges

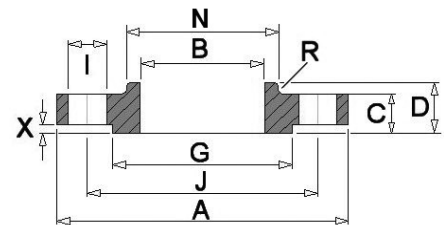
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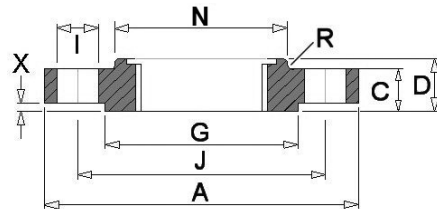
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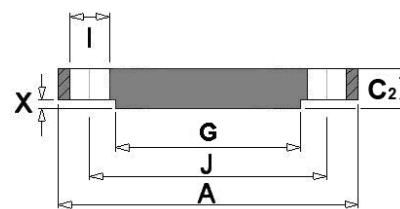
CODE 112



CODE 113



CODE 105



Dimensions in mm

Nom. Size	Flange						Raised Face		Boss	Drilling			Bolting	Neck						Bore Diameter
DN	A	C	C1	C2	D	D1	G	X	N	No.	I	J		M	F	E	R	T		B
10	90	16	14	16	22	35	40	2	30	4	14	60	M12	28	17.2	6	3	1.8		18.0
15	95	16	14	16	22	38	45	2	35	4	14	65	M12	32	21.3	6	3	2.0		22.0
20	105	18	16	18	26	40	58	2	45	4	14	75	M12	40	26.9	6	4	2.3		27.5
25	115	18	16	18	28	40	68	2	52	4	14	85	M12	46	33.7	6	4	2.6		34.5
32	140	18	18	18	30	42	78	2	60	4	18	100	M16	56	42.4	6	5	2.6		43.5
40	150	18	18	18	32	45	88	3	70	4	18	110	M16	64	48.3	7	5	2.6		49.5
50	165	20	20	20	34	48	102	3	84	4	18	125	M16	74	60.3	8	5	2.9		61.5
65	185	22	22	22	38	52	122	3	104	8	18	145	M16	92	76.1	10	6	2.9		77.5
80	200	24	24	24	40	58	138	3	118	8	18	160	M16	110	88.9	12	6	3.2		90.5
100	235	24	26	24	44	65	162	3	145	8	22	190	M20	134	114.3	12	6	3.6		116.0
125	270	26	28	26	48	68	188	3	170	8	26	220	M24	162	139.7	12	6	4.0		141.5
150	300	28	30	28	52	75	218	3	200	8	26	250	M24	190	168.3	12	8	4.5		170.5
200	375	34	36	36	52	88	285	3	260	12	30	320	M27	244	219.1	16	8	6.3		221.5
250	450	38	42	38	60	105	345	3	312	12	33	385	M30	306	273.0	18	10	7.1		276.5
300	515	42	48	42	67	115	410	4	380	16	33	450	M30	362	323.9	18	10	8.0		327.5
350	580	46	54	46	72	125	465	4	424	16	36	510	M33	408	355.6	20	10	8.8		359.5
400	660	50	60	50	78	135	535	4	478	16	39	585	M36	462	406.4	20	10	11.0		411.0
450	685	50	66	54	84	135	560	4	522	20	39	610	M36	500	457.0	20	12	12.5		462.0
500	755	52	72	56	90	140	615	4	576	20	42	670	M39	562	508.0	20	12	14.2		513.5
600	890	60	84	70	100	150	735	5	686	20	48	795	M45	666	610.0	20	12	16.0		616.5

* Care should be taken with these sizes as the pipe o.d. does not relate to normal stainless steel dimensions.

1. Weldnecks (code 111) are bored to suit schedule of pipework used.
2. Code 105 flanges are supplied flat faced unless otherwise requested by the purchaser.



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

DIN Flanges



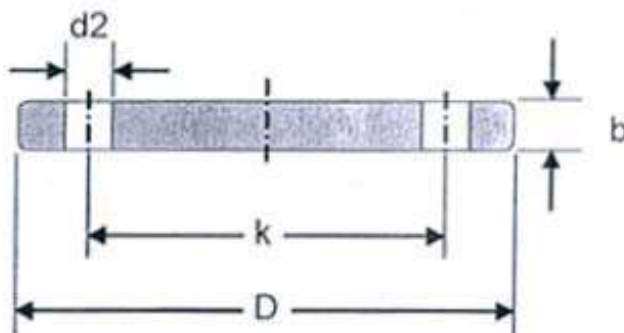


DIN Flanges Summary Chart

Description	Rated Pressure (in bar) (1 bar = 14.5 psi = 100 kPa)												
	1	2.5	6	10	16	25	40	64	100	160	250	320	400
	DIN												
Blind flange			2527	2527	2527	2527	2527	2527	2527				
Flat flange for welding (slip on)			2573	2576	2502	2503	2503						
Welding neck flange	2630	2630	2631	2632	2633	2634	2635	2636	2637	2638	2628	2629	2627
Lapped (lapped joint) flange, Plain collar			2641	2642									
Loose flange and ring for welding (slip-on flange and plain collar)			2652	2653		2655	2656						
Loose flange and ring with neck for welding				2673									
Oval plain threaded flange			2558										
Oval flange, with neck threaded				2561	2561								
Threaded flange with neck			2565	2566	2566	2567	2567	2568	2569				
Long neck welding flange				28115		28115							
Hubbed slip-on Flange for welding				86029	86030								



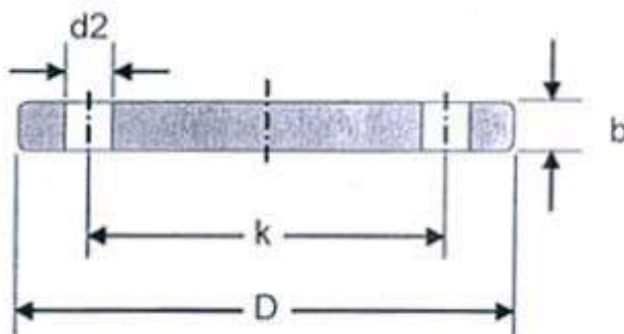
DIN 2527 Blind Flanges



PN6							PN10				
DIN	No. of holes	D	b	k	d2	KG	D	b	k	d2	KG
10	4	75	12	50	11	0.38	90	14	60	14	0.63
15	4	80	12	55	11	0.44	95	14	65	14	0.71
20	4	90	14	65	11	0.66	105	16	75	14	1.01
25	4	100	14	75	11	0.82	115	16	85	14	1.23
32	4	120	14	90	14	1.18	140	16	100	18	1.81
40	4	130	14	100	14	1.39	150	16	110	18	2.09
50	4	140	14	110	14	1.62	165	18	125	18	2.88
65	4	160	14	130	14	2.14	185	18	145	18	3.65
80	4	190	16	150	48	3.43	200	20	160	18	4.61
100	4	210	16	170	18	4.22	220	20	180	18	5.65
125	8	240	18	200	18	6.1	250	22	210	18	8.13
150	8	265	18	225	18	7.51	285	22	240	22	10.49
175	8	295	20	255	18	10.41	315	24	270	22	14.11
200	8	320	20	280	18	12.31	340	24	295	22	16.53
250	12	375	22	335	18	18.55	395	26	350	22	24.08
300	12	440	22	395	22	25.47	445	26	400	22	30.81
350	12	490	22	445	22	31.78	505	26	460	22	39.64
400	16	540	22	495	22	38.5	565	26	515	26	49.44
500	20	645	24	600	22	60.13	670	28	620	26	75.16
600	20	755	28	705	26	96.07	780	30	725	30	109.2
700	24	860	30	810	26	133.8	895	32	840	30	153.77
800	24	975	32	920	30	183.29	1015	36	950	33	222.86
900	24	1075	36	1020	30	251.7	1115	40	1050	33	299.08
1000	28	1175	42	1120	30	350.98	1230	46	1160	36	418.78



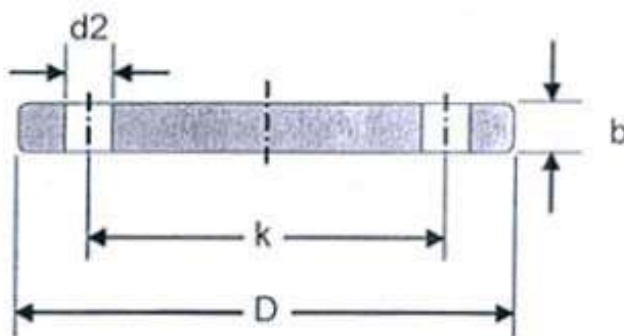
DIN 2527 Blind Flanges



PN16							PN25				
DIN	No. of holes	D	b	k	d2	KG	D	b	k	d2	KG
10	4	90	14	60	14	0.63	90	16	60	14	0.72
15	4	95	14	65	14	0.71	95	16	65	14	0.81
20	4	105	16	75	14	1.01	105	18	75	14	1.14
25	4	115	16	85	14	1.23	115	18	85	14	1.38
32	4	140	16	100	18	1.81	140	18	100	18	2.03
40	4	150	16	110	18	2.09	150	18	110	18	2.35
50	4	165	18	125	18	2.88	165	20	125	18	3.2
65	4	185	18	145	18	3.65	185	22	145	18	4.29
80	8	200	20	160	18	4.61	200	24	160	18	5.54
100	8	220	20	180	18	5.65	235	24	190	22	7.6
125	8	250	22	210	18	8.13	270	26	220	26	10.82
150	8	285	22	240	22	10.49	300	28	250	26	14.6
175	8	315	24	270	22	14.11	330	28	280	26	17.4
200	12	340	24	295	22	16.26	360	30	310	26	22.47
250	12	405	26	355	26	24.99	425	32	370	30	33.51
300	12	460	28	410	26	35.13	485	34	430	30	46.29
350	16	520	30	470	26	48.01	555	38	490	33	68.08
400	16	580	32	525	30	83.53	620	40	550	36	89.59
500	20	715	36	650	33	108.63	730	45	660	36	140.66
600	20	780	38	770	36	136.47	845	48	770	39	202.3
700	24	895	40	840	36	189.87	960	50	875	42	271.05
800	24	1015	44	950	39	269.57	1085	54	990	48	373.52
900	28	1115	48	1050	39	355.31	1185	58	1090	48	479.07
1000	28	1230	52	1170	42	469.2	1320	62	1210	56	632.47



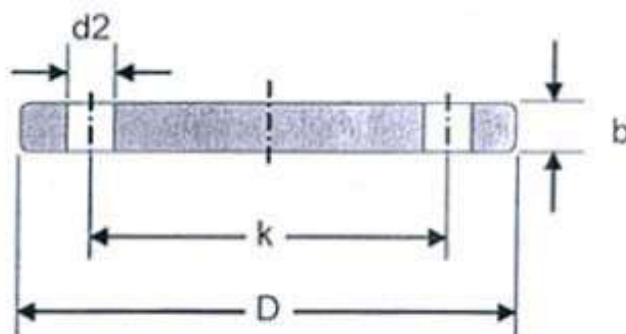
DIN 2527 Blind Flanges



PN40							PN64				
DIN	No. of holes	D	b	k	d2	KG	D	b	k	d2	KG
10	4	90	16	60	14	0.72	20	70	40	2	14
15	4	95	16	65	14	0.81	20	75	45	2	14
20	4	105	18	75	14	1.14	24	100	68	2	18
25	4	115	18	85	14	1.38	24	110	78	2	22
32	4	140	18	100	18	2.03	26	125	88	3	22
40	4	150	18	110	18	2.35	26	135	102	3	22
50	4	165	20	125	18	3.2	26	160	122	3	22
65	8	185	22	145	18	4.29	28	170	138	3	22
80	8	200	24	160	18	5.54	30	200	162	3	26
100	8	235	24	190	22	7.6	34	240	188	3	30
125	8	270	26	220	26	10.82	36	280	218	3	33
150	8	300	28	250	26	14.6	40	310	260	3	33
175	12	350	32	295	30	22.04	42	345	285	3	36
200	12	375	34	320	30	27.21	46	400	345	3	38
250	12	450	38	385	33	44.38	52	460	410	4	36
300	16	515	42	450	33	64.17	56	525	465	4	39
350	16	580	46	510	36	89.52	60	585	535	4	42
400	16	660	50	585	39	126.76	-	-	-	-	-
500	20	755	56	670	42	184.63	-	-	-	-	-
600	20	890	62	795	48	285.17	-	-	-	-	-
700	24	995	64	900	48	368.83	-	-	-	-	-
800	24	1140	70	1030	56	528.39	-	-	-	-	-
900	28	1250	76	1140	56	690.99	-	-	-	-	-
1000	28	1360	84	1250	56	912.42	-	-	-	-	-



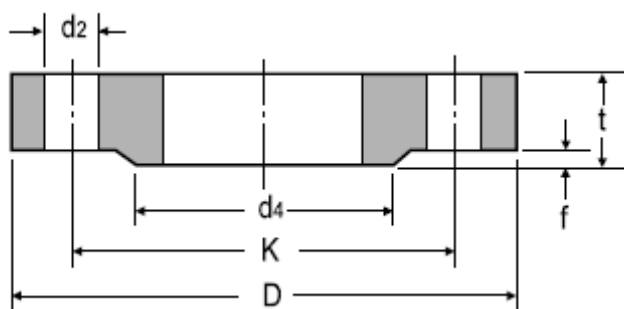
DIN 2527 Blind Flanges



PN100								
DN	D	b	k	D4	F	No. of holes	d2	KG
10	100	20	70	40	2	4	14	1.04
15	105	20	75	45	2	4	14	1.16
25	140	24	100	68	2	4	18	2.54
32	155	24	110	78	2	4	22	3.07
40	170	26	125	88	3	4	22	3.97
50	195	28	145	102	3	4	26	5.64
65	220	30	170	122	3	8	26	7.43
80	230	32	180	138	3	8	26	8.84
100	265	36	210	162	3	8	30	13.31
125	315	40	250	188	3	8	33	21.3
150	355	44	290	218	3	12	33	29.43
175	385	48	320	260	3	12	33	38.75
200	430	52	360	285	3	12	36	52.66
250	505	60	430	345	3	12	39	85.41
300	585	68	500	410	4	16	42	128.05
350	655	74	560	465	4	16	48	174.53



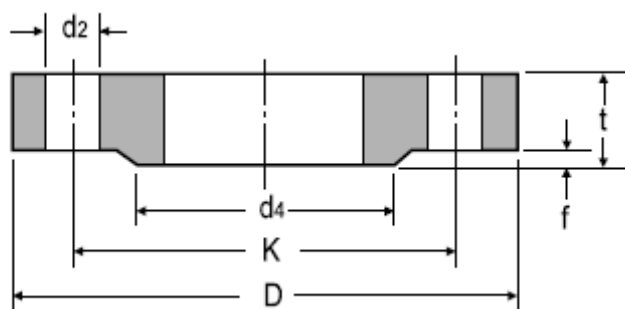
DIN 2543 Flat Flange For Welding (Slip On) PN16



DN	ISO	DIN	d4	D	t	f	K ϕ	No. of Holes	d2	KG
10	17.2	14	40	90	-	2	60	4	14	0.63
15	21.3	20	45	95	14	2	65	4	14	0.72
20	26.9	25	58	105	16	2	75	4	14	1.01
25	33.7	30	68	115	16	2	85	4	14	1.23
32	42.4	38	78	140	16	2	100	4	18	1.80
40	48.3	44.5	88	150	16	3	110	4	18	2.09
50	60.3	57	102	165	18	3	125	4	18	2.88
65	76.1	-	122	185	18	3	145	4	18	3.66
80	88.9	-	138	200	20	3	160	8	18	4.77
100	114.3	108	158	220	20	3	180	8	18	5.65
125	139.7	133	188	250	22	3	210	8	18	8.42
150	168.3	159	212	285	22	3	240	8	23	10.40
200	219.1	216	268	340	24	3	295	12	23	16.10
250	273	267	320	405	26	3	355	12	27	24.90
300	323.9	318	378	460	28	4	410	12	27	35.10
350	355.6	368	438	520	30	4	470	16	27	47.80
400	406.4	419	490	580	32	4	525	16	30	63.50
500	508	521	610	715	36	4	650	20	33	102.00
600	609.6	622	725	840	40	5	770	20	36	-
700	711.2	720	795	910	-	5	840	24	36	-
800	812.8	820	900	1025	-	5	950	24	39	-
900	914.4	920	1000	1125	-	5	1050	28	39	-
1000	1016	1020	1115	1255	-	5	1170	28	42	-



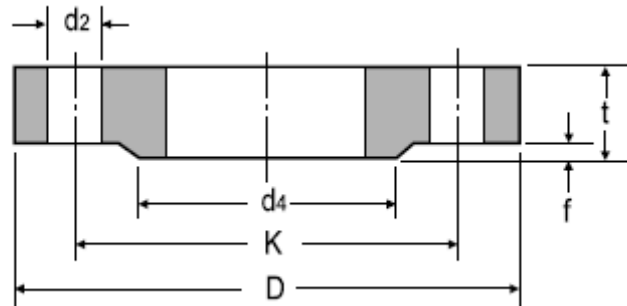
DIN 2544 Flat Flange For Welding (Slip On) PN25



DN	ISO	DIN	d4	D	t	f	K ϕ	No. of Holes	d2	KG
10	17.2	14	40	90	-	2	60	4	14	0.72
15	21.3	20	45	95	16	2	65	4	14	0.81
20	26.9	25	58	105	18	2	75	4	14	1.24
25	33.7	30	68	115	18	2	85	4	14	1.38
32	42.4	38	78	140	18	2	100	4	18	2.03
40	48.3	44.5	88	150	18	3	110	4	18	2.35
50	60.3	57	102	165	20	3	125	4	18	3.20
65	76.1	-	122	185	22	3	145	4	18	4.29
80	88.9	-	138	200	24	3	160	8	18	5.88
100	114.3	108	162	235	24	3	190	8	23	7.54
125	139.7	133	188	270	26	3	220	8	27	10.80
150	168.3	159	218	300	28	3	250	8	27	14.50
200	219.1	216	278	360	30	3	310	12	27	22.30
250	273	267	335	425	32	3	370	12	30	33.50
300	323.9	318	395	485	34	4	430	16	30	46.30
350	355.6	368	450	555	38	4	490	16	33	68.00
400	406.4	419	505	620	40	4	550	16	36	89.70
500	508	521	615	730	44	4	660	20	36	138.00
600	609.6	622	720	845	-	5	770	20	39	-
700	711.2	720	820	960	-	5	870	24	42	-
800	812.8	820	930	1085	-	5	990	24	48	-
900	914.4	920	1030	1185	-	5	1090	28	48	-
1000	1016	1020	1140	1320	-	5	1210	28	56	-



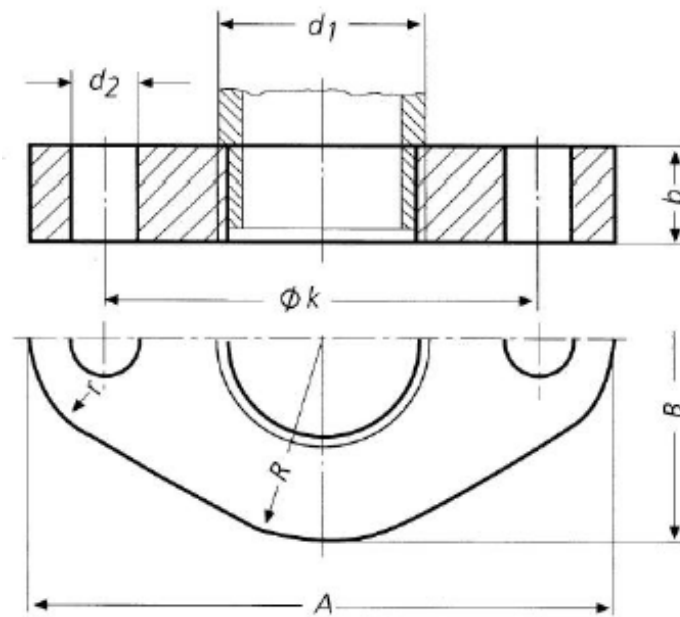
DIN 2545 Flat Flange For Welding (Slip On) PN40



DN	ISO	DIN	d4	D	t	f	K ϕ	No. of Holes	d2	KG
10	17.2	14	40	90	-	2	60	4	14	0.72
15	21.3	20	45	95	16	2	65	4	14	0.81
20	26.9	25	58	105	18	2	75	4	14	1.24
25	33.7	30	68	115	18	2	85	4	14	1.38
32	42.4	38	78	140	18	2	100	4	18	2.03
40	48.3	44.5	88	150	18	3	110	4	18	2.35
50	60.3	57	102	165	20	3	125	4	18	3.20
65	76.1	-	122	185	22	3	145	4	18	4.29
80	88.9	-	138	200	24	3	160	8	18	5.88
100	114.3	108	162	235	24	3	190	8	23	7.54
125	139.7	133	188	270	26	3	220	8	27	10.80
150	168.3	159	218	300	28	3	250	8	27	14.50
175	193.7	191	260	350	32	3	295	12	30	22.10
200	219.1	216	285	375	34	3	320	12	30	27.20
250	273	267	345	450	38	3	385	12	33	43.80
300	323.9	318	410	515	42	4	450	16	33	63.30
350	355.6	368	465	580	46	4	510	16	36	89.50
400	406.4	419	535	660	50	4	585	16	39	127.00
500	508	521	615	755	52	4	670	20	42	172.00



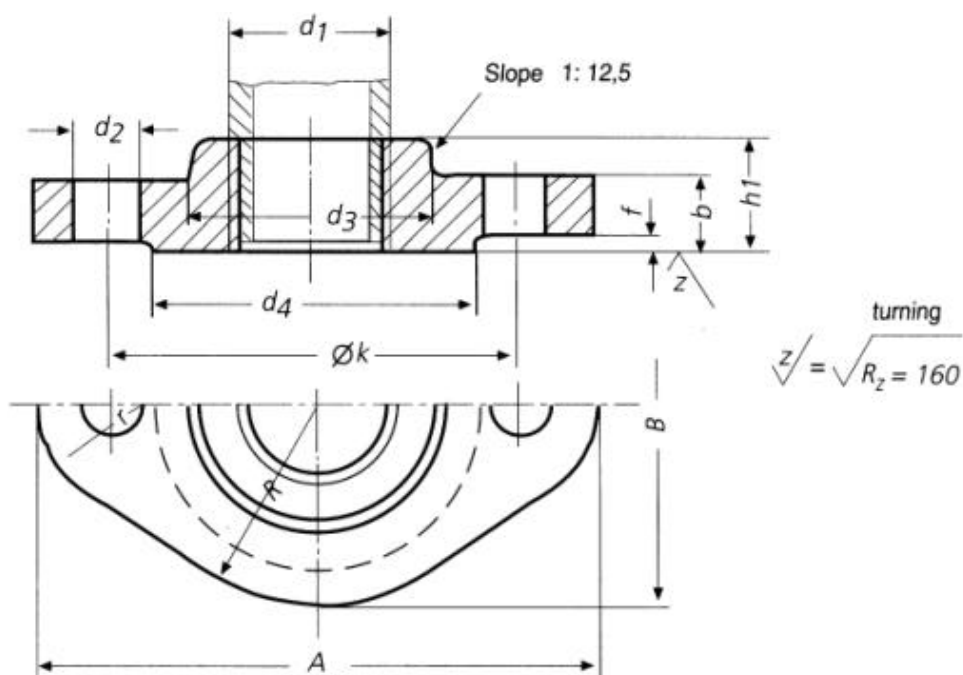
DIN 2558 Oval Plain Threaded Flange PN6



DN	d1	Thread DIN 2999	A	B	b	Øk	R	r	Thread	d2	KG
6	10.2	R 1/8	64	32	12	40	16	10	M10	11	0.119
8	13.5	R 1/4	72	36	12	45	18	11	M10	11	0.147
10	17.2	R 3/8	75	40	12	50	20	12	M10	11	0.165
15	21.3	R 1/2	80	45	12	55	22,5	13	M10	11	0.194
20	26.9	R 3/4	90	64	14	65	32	18	M10	11	0.373
25	33.7	R 1	100	72	14	75	36	20	M10	11	0.455
32	42.4	R 1-1/4	118	85	16	95	42.5	22	M12	14	0.675
40	48.3	R 1-1/2	132	95	16	100	47.5	25	M12	14	0.850
50	60.3	R 2	140	100	16	110	50	28	M12	14	0.882
65	76.1	R 2-1/2	160	118	16	130	59	32	M12	14	1.100
80	88.9	R 3	190	140	18	150	70	38	M16	18	1.760
100	114.3	R 4	210	160	18	170	80	42	M16	18	1.890



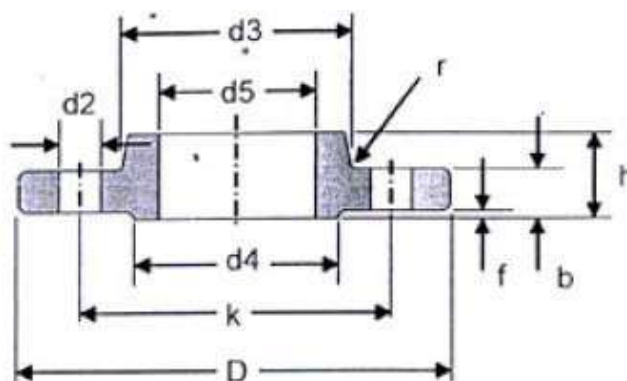
DIN 2561 Oval Flange With Neck Threaded PN6 and PN10



DN	d1	Thread DIN 2999	A	B	b	k	R	r	h1	d3	d4	f	Thread	d2	KG
6	10.2	R 1/8	75	40	12	50	20	12	18	20	32	2	M10	11	0.172
8	13.5	R 1/4	80	45	12	55	22,5	13	18	25	38	2	M10	11	0.21
10	17.2	R 3/8	90	50	14	60	25	15	20	30	40	2	M12	14	0.295
15	21.3	R 1/2	100	56	14	65	28	16	20	35	45	2	M12	14	0.365
20	26.9	R 3/4	105	75	16	75	37,5	21	24	45	58	2	M12	14	0.622
25	33.7	R 1	118	85	16	85	42,5	22	24	52	68	2	M12	14	0.777
32	42.4	R 1-1/4	140	100	16	100	50	28	26	60	78	2	M16	18	1.07
40	48.3	R 1-1/2	150	112	16	110	56	30	26	70	88	3	M16	18	1.26



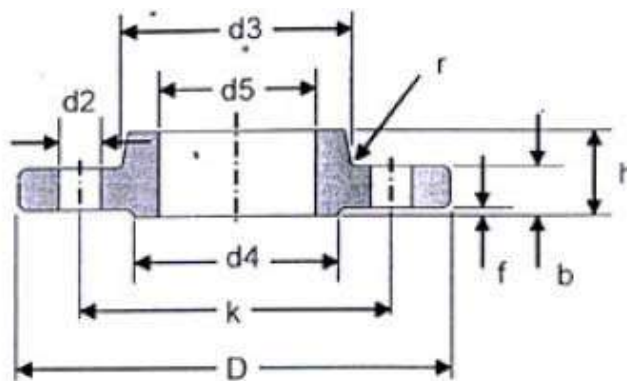
DIN 2565 Threaded Flange With Neck PN6



DN	D1	DIN 2999	D	b	k	h	d3	d4	f	No. of holes	d2	KG
6	10.2	R1/8	65	10	40	18	18	25	2	4	11.5	0.19
8	13.5	R1/4	70	10	45	18	22	30	2	4	11.5	0.23
10	17.2	R3/8	75	12	50	20	25	35	2	4	11.5	0.32
15	21.3	R1/2	80	12	55	20	30	40	2	4	11.5	0.37
20	26.9	R3/4	90	14	65	24	40	50	2	4	11.5	0.58
25	33.7	R1	100	14	75	24	50	60	2	4	11.5	0.73
32	42.4	R1.1/4	120	14	90	26	60	70	2	4	14	1.05
40	48.3	R1.1/2	130	14	100	26	70	80	3	4	14	1.2
50	50.3	R2	140	14	110	28	80	90	3	4	14	1.54
65	76.1	R2.1/2	160	14	130	32	100	110	3	4	14	1.87
80	88.9	R3	190	16	150	34	110	128	3	4	18	2.78
100	114.3	R4	210	16	170	38	130	148	3	4	18	3.07
150	139.7	R5	240	18	200	40	160	178	3	8	18	4.33
200	168.3	R6	285	18	225	44	185	202	3	8	18	4.81



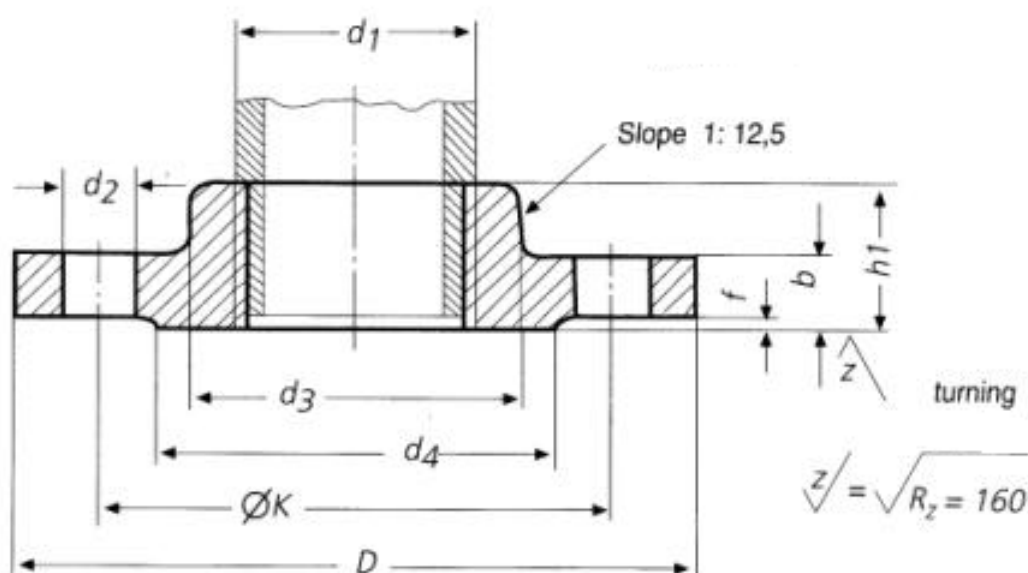
DIN 2566 Threaded Flange With Neck PN16



DN	D1	DIN 2999	D	b	k	h	d3	d4	f	No. of holes	d2	KG
6	10.2	R1/8	75	12	50	18	20	32	2	4	11	0.33
8	13.5	R1/4	80	12	55	18	25	38	2	4	11	0.39
10	17.2	R3/8	90	14	60	20	30	40	2	4	14	0.56
15	21.3	R1/2	95	14	65	20	35	45	2	4	14	0.62
20	26.9	R3/4	105	16	75	24	45	58	2	4	14	0.92
25	33.7	R1	115	16	85	24	52	68	2	4	14	1.1
32	42.4	R1.1/4	140	16	100	26	60	78	2	4	18	1.59
40	48.3	R1.1/2	150	16	110	26	70	88	3	4	18	1.77
50	60.3	R2	165	18	125	28	85	102	3	4	18	2.41
65	76.1	R2.1/2	185	18	145	32	105	122	3	4	18	3.13
80	88.9	R3	200	20	160	34	118	138	3	4	18	3.95
100	114.3	R4	220	20	180	38	140	158	3	8	18	4.38
125	139.7	R3	250	22	210	40	168	188	3	8	18	5.99
150	168.3	R4	285	22	240	44	196	212	3	8	22	7.42



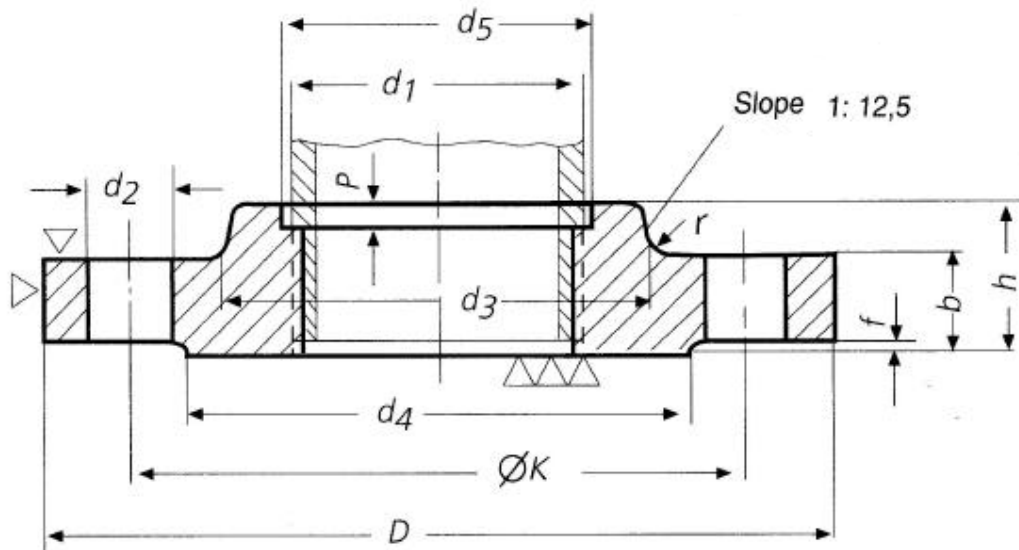
DIN 2567 Threaded Flange With Neck PN25 and PN40



DN	D1	Thread DIN 2999	D	b	k	h1	d3	d4	f	No. of holes	Threa d	d2	KG
6	10.2	R1/8	75	14	50	20	20	32	2	4	M10	11	0.388
8	13.5	R1/4	80	14	55	20	25	38	2	4	M10	11	0.450
10	17.2	R3/8	90	16	60	22	30	40	2	4	M12	14	0.630
15	21.3	R1/2	95	16	65	22	35	45	2	4	M12	14	0.710
20	26.9	R3/4	105	18	75	26	45	58	2	4	M12	14	1.030
25	33.7	R1	115	18	85	28	52	68	2	4	M12	14	1.280
32	42.4	R1.1/4	140	18	100	30	60	78	2	4	M16	18	1.870
40	48.3	R1.1/2	150	18	110	32	70	88	3	4	M16	18	2.140
50	60.3	R2	165	20	125	34	85	102	3	4	M16	18	2.850
65	76.1	R2.1/2	185	22	145	38	105	122	3	8	M16	18	3.850
80	88.9	R3	200	24	160	40	118	138	3	8	M16	18	4.800
100	114.3	R4	235	24	190	44	145	162	3	8	M20	22	6.430
125	139.7	R5	270	26	220	48	170	188	3	8	M24	26	8.770
150	165.1	R6	300	28	250	52	200	218	3	8	M24	26	10.500



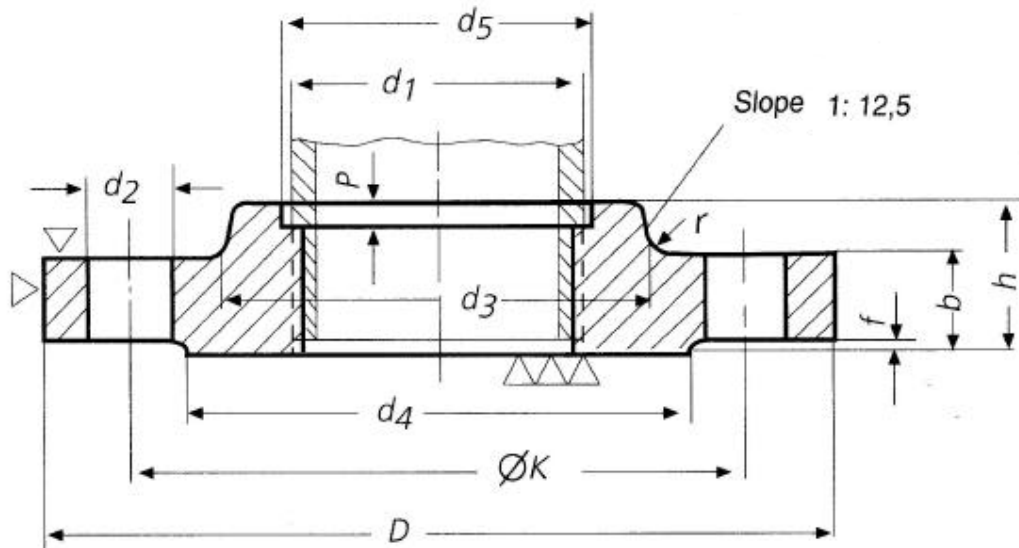
DIN 2568 Threaded Flange With Neck PN64



DN	d1	Thread DIN 2999	D	b	k	h1	d3	d5	P	r	d4	f	No. of holes	Thread	d2	KG
10 to 40	See DIN 2569															
50	60.3	R2	180	26	135	36	90	61	7	3	108	3	4	M20	22	4.29
65	76.1	R2.1/2	205	26	160	40	112	77	7	3	132	3	8	M20	22	5.48
80	88.9	R3	215	28	170	44	125	90	7	3	142	3	8	M20	22	6.42
100	114	R4	250	30	200	52	152	116	7	3	170	3	8	M24	26	9.25
125	140	R5	295	34	240	56	185	141	7	3	205	3	8	M27	30	14.4
150	165	R6	345	36	280	60	215	167	7	3	240	3	8	M30	33	20.7



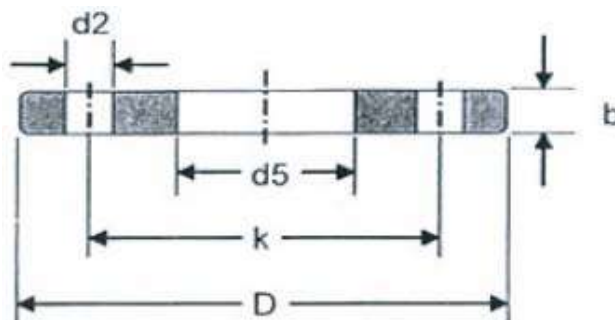
DIN 2569 Threaded Flange With Neck PN100



DN	d1	Thread DIN 2999	D	b	k	h1	d3	d5	P	r	d4	f	No. of holes	Thread	d2	KG
10	17.2	R3/8	100	20	70	28	40	18	4	2	50	2	4	M12	14	1.08
15	21.3	R1/2	105	20	75	28	43	22	6	2	55	2	4	M12	14	1.19
20	26.9	R3/4	130	22	90	30	52	28	7	2	68	2	4	M16	18	2.00
25	33.7	R1	140	24	100	32	60	35	7	3	78	2	4	M16	18	2.54
32	42.4	R1.1/4	155	24	110	32	68	43	7	3	85	2	4	M20	22	2.99
40	48.3	R1.1/2	170	26	125	34	80	49	7	3	98	3	4	M20	22	3.87
50	60.3	R2	195	28	145	36	95	61	7	3	115	3	4	M24	26	5.42
65	76.1	R2.1/2	220	30	170	40	118	77	7	3	140	3	8	M24	26	7.11
80	88.9	R3	230	32	180	44	130	90	7	3	150	3	8	M24	26	8.21
100	114	R4	265	36	210	52	158	116	7	3	175	3	8	M27	30	12.1
125	140	R5	315	40	250	56	188	141	7	3	210	3	8	M30	33	18.6
150	165	R6	355	44	290	60	225	167	7	3	250	3	12	M30	33	25.1



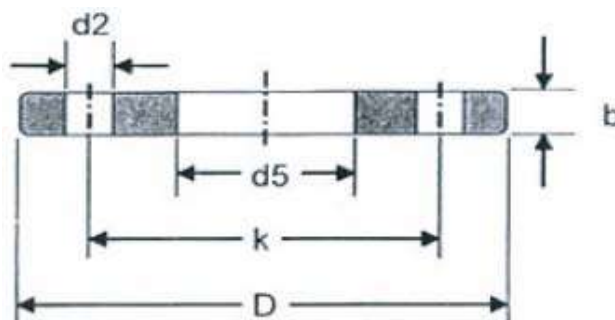
DIN 2573 Flat Flange For Welding (Slip On) PN6



DN	ISO	DIN	d5	D	b	k	No. of Holes	d2	KG
10	-	14	14.5	75	12	50	4	11	0.36
	17.2	-	17.7	75	12	50	4	11	0.36
15	-	20	21	80	12	55	4	11	0.41
	21.3	-	22	80	12	55	4	11	0.4
20	-	25	26	90	14	65	4	11	0.6
	26.9	-	27.6	90	14	65	4	11	0.59
25	-	30	31	100	14	75	4	11	0.74
	33.7	-	34.4	100	14	75	4	11	0.72
32	-	38	39	120	16	90	4	14	1.19
	42.4	-	43.1	120	16	90	4	14	1.16
40	-	44.5	45.5	130	16	100	4	14	1.39
	48.3	-	49	130	16	100	4	14	1.35
50	-	57	58.1	140	16	110	4	14	1.52
	60.3	-	61.1	140	16	110	4	14	1.49
65	76.1	-	77.1	160	16	130	4	14	1.86
80	88.9	-	90.3	190	18	150	4	14	2.96
100	-	108	109.6	210	18	170	4	18	3.42
	114.3	-	115.9	210	18	170	4	18	3.26
125	-	133	134.8	240	20	200	8	18	4.54
	139.7	-	141.6	240	20	200	8	18	4.31
150	-	159	161.1	265	20	225	8	18	5.34
	168.2	-	170.5	265	20	225	8	18	4.76
200	219.1	-	221.8	320	22	280	8	18	6.87
250	-	267	270.2	325	24	335	12	18	9.42
	273	-	276.2	325	24	335	12	18	8.94
300	323.9	-	327.6	440	24	395	12	22	11.91
350	355.6	-	359.7	480	26	445	12	22	16.52
	-	368	372.2	490	26	445	12	22	15.35
400	406.4	-	411	540	28	495	16	22	18.84
	-	419	423.7	540	28	495	16	22	18.01
450	457	-	462.3	595	30	550	16	22	24.52
500	508	-	513.6	645	30	600	20	22	26.37



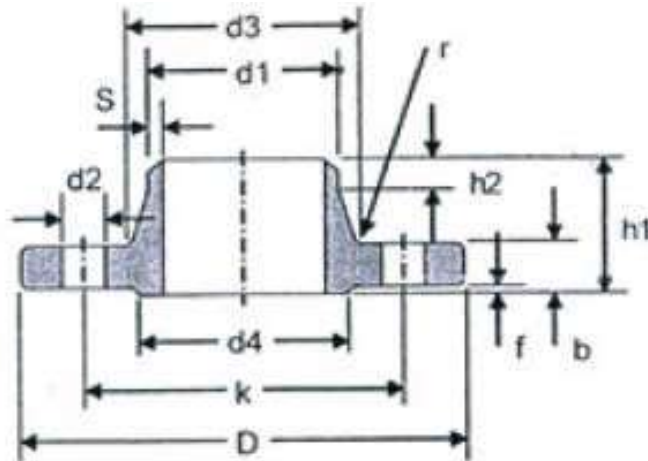
DIN 2576 Flat Flange For Welding (Slip On) PN10



DN	ISO	DIN	d5	D	b	k	No. of Holes	d2	KG
10	-	14	14.50	90	14	60	4	14	0.61
	17.2	-	17.70	90	14	60	4	14	0.60
15	-	20	21.00	95	14	65	4	14	0.67
	21.3	-	22.00	95	14	65	4	14	0.67
20	-	25	26.00	105	16	75	4	14	0.94
	26.9	-	27.60	105	16	75	4	14	0.94
25	-	30	31.00	115	16	85	4	14	1.13
	33.7	-	34.40	115	16	85	4	14	1.11
32	-	38	39.00	140	16	100	4	18	1.66
	42.4	-	43.10	140	16	100	4	18	1.62
40	-	44.5	45.50	150	16	110	4	18	1.89
	48.3	-	49.00	150	16	110	4	18	1.85
50	-	57	58.10	165	18	125	4	18	2.50
	60.3	-	61.10	165	18	125	4	18	2.46
65	76.1	-	77.10	185	18	145	4	18	2.99
80	88.9	-	90.30	200	20	160	8	18	3.61
100	-	108	109.60	220	20	180	8	18	4.17
	114.3	-	115.90	220	20	180	8	18	3.99
125	-	133	134.80	250	22	210	8	18	5.66
	139.7	-	141.60	250	22	210	8	18	5.41
150	-	159	161.10	285	22	240	8	22	6.97
	168.3	-	170.50	285	22	240	8	22	6.55
175	193.7	-	196.10	315	24	270	8	22	8.42
200	219.1	-	221.80	340	24	295	8	22	9.28
250	-	267	270.20	395	26	350	12	22	12.36
	273	-	276.20	395	26	350	12	22	11.85
300	323.9	-	327.60	445	26	400	12	22	13.61
350	355.6	-	359.70	505	28	460	16	22	20.35
	-	368	372.20	505	28	460	16	22	18.77
400	406.4	-	411.00	565	32	515	18	26	27.52
	-	419	423.70	565	32	515	18	26	35.43
450	457	-	462.30	615	38	565	20	26	35.11
500	508	-	613.60	670	38	620	20	26	40.20
600	610	-	615.50	780	40	725	20	26	51.87



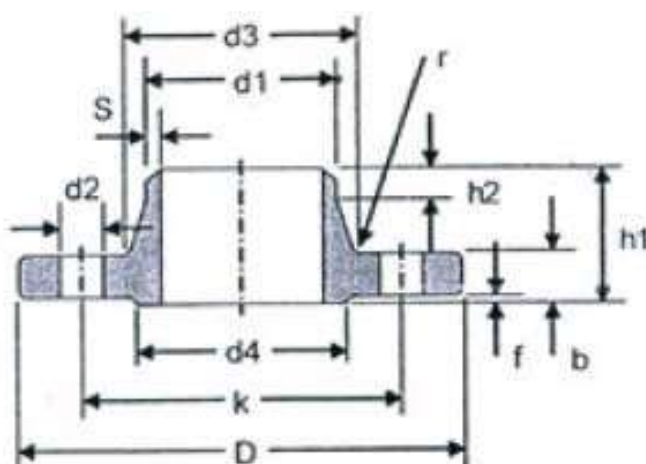
DIN 2627 Welding Neck Flange PN400



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	17.2	125	28	85	65	48	3.6	4	8	40	2	4	18	2.50	10
15	26.9	145	30	100	68	56	5.0	4	8	45	2	4	22	3.57	15
25	42.4	180	38	130	90	82	7.1	4	10	68	2	4	26	7.35	25
40	60.3	220	48	165	110	106	10.0	6	12	88	3	4	30	13.93	40
50	76.1	235	52	180	120	120	12.5	6	15	102	3	8	30	16.50	50
65	101.6	290	64	225	135	158	16.0	6	18	122	3	8	33	31.33	65
80	114.3	305	68	240	150	174	17.5	8	20	138	3	8	33	37.99	80
100	139.7	370	80	295	175	215	22.2	8	25	162	3	8	39	66.77	100
125	193.7	415	92	340	200	258	30.0	8	30	188	3	12	39	94.73	125
150	219.1	475	105	390	225	302	35.0	10	35	218	3	12	42	144.85	150
200	273.0	585	130	490	280	388	40.0	10	40	285	3	16	48	269.50	200



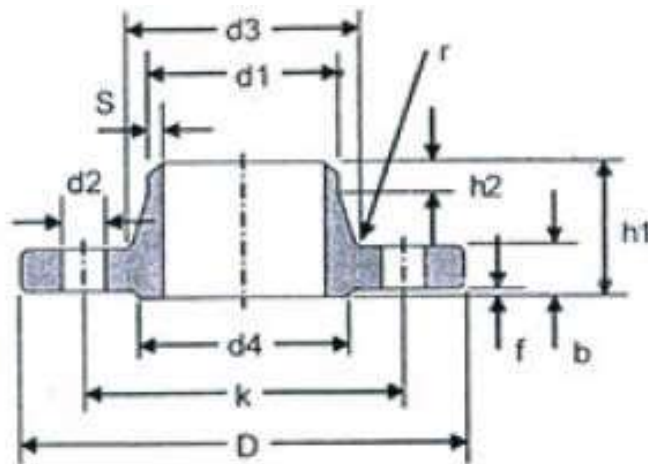
DIN 2628 Welding Neck Flange PN250



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	125	24	85	58	44	2.6	4	6	40	2	4	18	2.10
	17.2	-	125	24	85	58	44	2.6	4	6	40	2	4	18	2.09
15	-	20	130	26	90	60	48	2.6	4	6	45	2	4	18	2.48
	21.3	-	130	26	90	60	48	2.6	4	6	45	2	4	18	2.47
25	-	30	150	28	105	65	60	3.6	4	8	68	2	4	22	3.56
	33.7	-	150	28	105	65	60	3.6	4	8	68	2	4	22	3.53
40	-	44.5	185	34	135	80	84	5.0	6	10	88	3	4	26	6.65
	48.3	-	185	34	135	80	84	5.0	6	10	88	3	4	26	6.58
50	-	57	200	38	150	85	95	6.3	6	10	102	3	8	26	8.17
	60.3	-	200	38	150	85	95	6.3	6	10	102	3	8	26	8.09
65	76.1	-	230	42	180	95	124	8.0	6	12	122	3	8	26	12.59
80	101.6	-	255	46	200	102	136	11.0	8	12	138	3	8	30	16.32
100	127.0	-	300	54	235	120	164	14.2	8	14	162	3	8	33	27.07
125	152.4	-	340	60	275	140	200	16.0	8	16	188	3	12	33	38.79
150	177.8	-	390	68	320	160	240	17.5	10	18	218	3	12	36	59.05
200	244.5	-	485	82	400	190	305	25.0	10	25	285	3	12	42	109.45
250	298.5	-	585	100	490	215	385	32.0	12	30	345	3	16	48	189.94



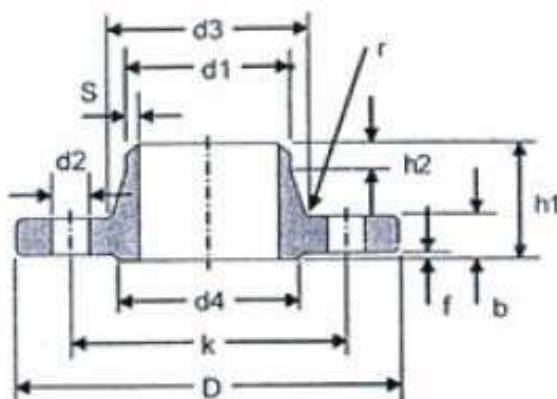
DIN 2629 Welding Neck Flange PN320



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10.0	-	14	125	24	85	58	44	2.6	4	6	40	2	4	18.00	2.10
	17.2	-	125	24	85	58	44	2.6	4.0	6	40	2	4	18	2.09
15.0	-	20	130	26	90	60	48	3.2	4	6	45	2	4	18.00	2.49
	21.3	-	130	26	90	60	48	3.2	4.0	6	45	2	4	18	2.49
25.0	-	30	160	34	115	78	68	5.0	4	8	68	2	4	22.00	5.14
	33.7	-	160	34	115	78	68	5	4.0	8	68	2	4	22	5.11
40.0	-	44.5	195	38	145	88	92	6.3	6	10	88	3	4	26.00	8.53
	45.3	-	195	38	145	88	92	6.3	6.0	10	88	3	4	26	8.47
50.0	63.5	-	210	42	160	100	106	8.0	6	10	102	3	8	26.00	10.52
65.0	88.9	-	255	51	200	120	138	11.0	6	12	122	3	8	30.00	19.26
80.0	101.6	-	275	55	220	130	156	12.5	8	14	138	3	8	30.00	24.81
100.0	-	133	335	65	265	145	186	16.0	8	16	162	3	8	36.00	42.18
125.0	-	159	380	75	310	175	230	20.0	8	20	188	3	12	36.00	64.55
	168.3	-	380	75	310	175	230	20	8.0	20	188	3	12	36	63.30
150.0	193.7	-	425	84	350	195	265	25.0	10	25	218	3	12	36.00	91.04
175.0	219.1	-	485	95	400	215	308	28.0	10	28	260	3	12	42.00	135.46
200.0	244.5	-	525	103	440	235	345	30.0	10	30	285	3	16	42.00	170.94
250.0	323.9	-	640	125	540	300	428	40.0	12	40	345	3	16	52.00	311.99



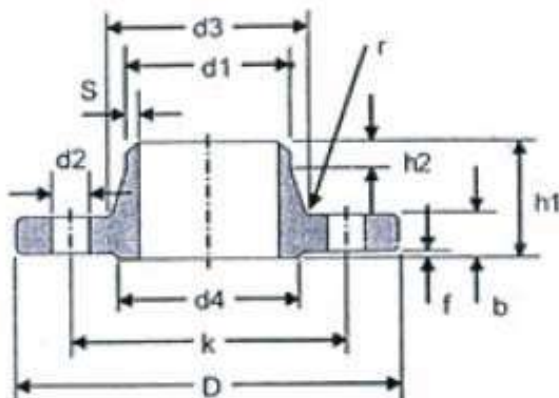
DIN 2630 Welding Neck Flange PN2.5



DN	ISO	DIN	D	b	k	h1	D3	S	r	h2	d4	f	No. of Holes	d2	KG
10	-	14	75	12	50	28	22	1.8	4	6	35	2	4	11	0.34
	17.2	-	75	12	50	28	26	1.8	4	6	35	2	4	11	0.34
15	-	20	80	12	55	30	28	2	4	6	40	2	4	11	0.39
	21.3	-	80	12	55	30	30	2	4	6	40	2	4	11	0.46
20	-	25	90	14	65	32	35	2.3	4	6	50	2	4	11	0.6
	26.9	-	90	14	65	32	38	2.3	4	6	50	2	4	11	0.6
25	-	30	100	14	75	35	40	2.6	4	6	60	2	4	11	0.78
	33.7	-	100	14	75	35	42	2.6	4	6	60	2	4	11	0.78
32	-	38	120	14	90	35	50	2.6	6	6	70	2	4	14	1.07
	42.4	-	120	14	90	35	55	2.6	6	6	70	2	4	14	1.06
40	-	44.5	130	14	100	38	55	2.6	6	7	80	3	4	14	1.21
	48.3	-	130	14	100	38	62	2.6	6	7	80	3	4	14	1.2
50	-	57	140	14	110	38	70	2.9	6	8	90	3	4	14	1.37
	60.3	-	140	14	110	38	74	2.9	6	8	90	3	4	14	1.36
65	76.1	-	160	14	130	38	88	2.9	6	9	110	3	4	14	1.6
80	88.9	-	190	16	150	42	102	3.2	8	10	128	3	4	18	2.72
100	-	106	210	16	170	45	122	3.6	8	10	148	3	4	18	3.2
	114.3	-	210	16	170	45	130	3.6	8	10	148	3	4	18	3.22
125	-	133	240	18	200	48	148	4	8	10	178	3	8	18	4.58
	139.7	-	240	18	200	48	155	4	8	10	178	3	8	18	4.42
150	-	159	265	18	225	48	172	4.5	10	12	202	3	8	18	5.26
	166.3	-	265	18	225	48	184	4.5	10	12	202	3	8	18	5.04
200	219.1	-	320	20	280	55	236	5.9	10	15	258	3	8	18	7.95
250	-	267	375	22	335	60	282	6.3	12	15	312	3	12	18	11.16
	273	-	375	22	335	60	290	6.3	12	16	312	3	12	18	10.57
300	323.9	-	440	22	395	62	342	7.1	12	15	365	4	12	22	14.26
350	355.6	-	490	22	445	62	385	7.1	12	15	415	4	12	22	18.56
	-	368	490	22	445	62	385	7.1	12	15	415	4	12	22	16.76
400	406.4	-	540	22	495	65	438	7.1	12	15	465	4	16	22	21.25
	-	419	540	22	495	65	438	7.1	12	15	465	4	16	22	19.1



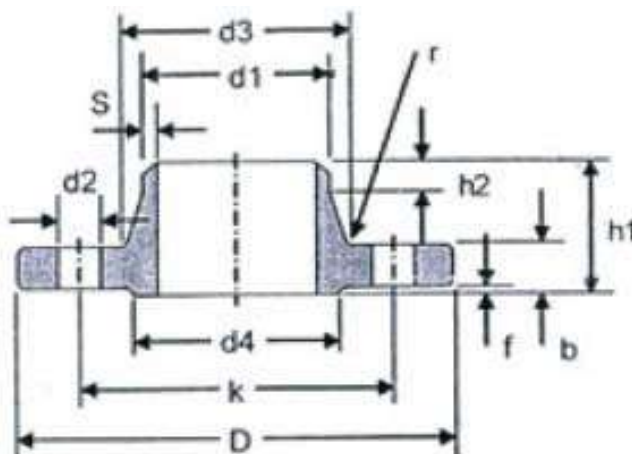
DIN 2630 Welding Neck Flange PN2.5



DN	ISO	DIN	D	b	k	h1	D3	S	r	h2	d4	f	No. of Holes	d2	KG
500	506	-	645	24	600	68	538	7.1	12	15	570	4	20	22	23.57
600	610	-	755	24	705	70	640	7.1	12	16	670	5	20	26	34.5
700	711	-	660	24	810	70	740	7.1	12	16	775	5	24	26	40
800	813	-	975	24	920	70	842	7.1	12	16	880	5	24	30	48.18
900	914	-	1075	26	1020	70	942	7.1	12	16	980	5	24	30	58.1
1000	1016	-	1175	26	1120	70	1045	7.1	16	16	1080	5	25	30	63.41
1200	1220	-	1375	26	1320	70	1245	7	16	16	1280	5	32	30	72.82
1400	1420	-	1575	26	1520	70	1445	7	16	16	1480	5	36	30	84.5
1600	1620	-	1790	26	1730	80	1645	8	16	20	1680	5	40	30	111.57
1800	1820	-	1990	26	1930	80	1845	9	16	20	1890	5	44	30	128.41
2000	2020	-	2190	26	2130	80	2045	10	18	22	2090	5	48	30	145
2200	2220	-	2405	28	2340	90	2248	10	18	25	2295	6	52	33	184.1
2400	2420	-	2605	28	2540	90	2448	10	18	25	2495	6	56	32	200.47
2600	2620	-	2805	28	2740	90	2648	10	18	25	2695	6	60	33	216
2800	2820	-	3030	30	2960	90	2848	10	18	25	2910	6	64	36	268.05
3000	3020	-	3230	30	3160	90	3050	10	18	25	3110	6	66	36	285
3200	3220	-	3430	30	3350	90	3250	10	20	25	3310	6	72	36	306.75
3400	3420	-	3630	32	3560	95	3450	10	20	28	3510	6	76	36	346.71
3600	3620	-	3340	32	3770	100	3652	10	20	28	3720	6	80	36	305.71
3800	3820	-	4045	34	3970	100	3852	10	20	28	3920	6	80	-	-
4000	4020	-	4245	34	4170	100	4052	10	20	28	4120	6	84	-	-



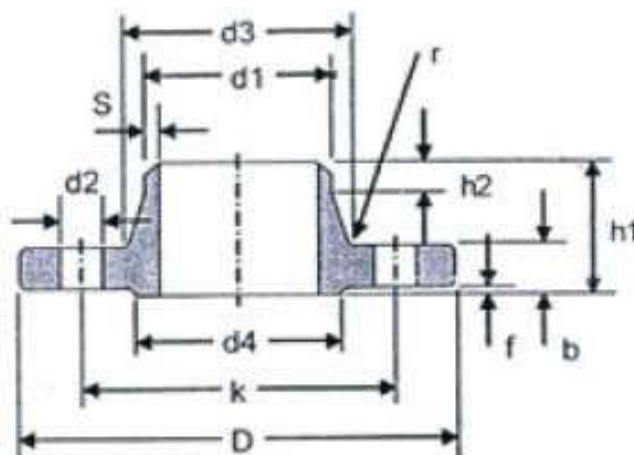
DIN 2631 Welding Neck Flange PN6



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	75	12	50	28	22	1.8	4	6	35	2	4	11	0.34
	17.2	-	75	12	50	28	26	1.8	4	6	35	2	4	11	0.34
15	-	20	80	12	55	30	28	2	4	6	40	2	4	11	0.39
	21.3	-	80	12	55	30	30	2	4	6	40	2	4	11	0.4
20	-	25	90	14	65	32	35	2.3	4	6	50	2	4	11	0.6
	26.9	-	90	14	65	32	38	2.3	4	6	50	2	4	11	0.6
25	-	30	100	14	75	35	40	2.6	4	6	60	2	4	11	0.76
	33.7	-	100	14	75	35	42	2.6	4	6	60	2	4	11	0.75
32	-	38	120	14	90	35	50	2.6	6	6	70	2	4	14	1.07
	42.4	-	120	14	90	35	55	2.6	6	6	70	2	4	14	1.06
40	-	44.5	130	14	100	38	58	2.6	6	7	80	3	4	14	1.21
	46.3	-	130	14	100	38	62	2.6	6	7	80	3	4	14	1.2
50	-	57	140	14	110	38	70	2.9	6	8	90	3	4	14	1.37
	60.3	-	140	14	110	38	74	2.9	6	8	90	3	4	14	1.36
65	76.1	-	160	14	130	38	88	2.9	6	9	110	3	4	14	1.69
80	88.9	-	190	16	150	42	102	3.2	8	10	128	3	4	18	2.72
100	-	108	210	16	170	45	122	3.6	8	10	148	3	4	18	3.29
	114.3	-	210	16	170	45	130	3.6	8	10	148	3	4	18	3.22
125	-	133	240	18	200	48	148	4	8	10	178	3	8	18	4.58
	139.7	-	240	18	200	48	155	4	8	10	178	3	8	18	4.42
150	-	159	265	18	225	48	172	4.5	10	12	202	3	8	18	5.26
	158.3	-	265	18	225	48	184	4.5	10	12	202	3	8	18	5.04
200	219.1	-	320	20	280	55	236	5.9	10	15	258	3	8	18	7.95
250	-	267	375	22	335	60	282	6.3	12	15	312	3	12	18	11.16
	273	-	375	22	335	60	290	6.3	12	15	312	3	12	18	10.87
300	323.9	-	440	22	395	62	342	7.1	12	15	365	4	12	22	14.26
350	355.6	-	490	22	445	62	385	7.1	12	15	415	4	12	22	18.54
	-	368	490	22	445	62	385	7.1	12	15	415	4	12	22	16.78
400	406.6	-	540	22	495	65	438	7.1	12	15	465	4	16	22	21.25
	-	419	540	22	495	65	438	7.1	12	15	465	4	16	22	19.1



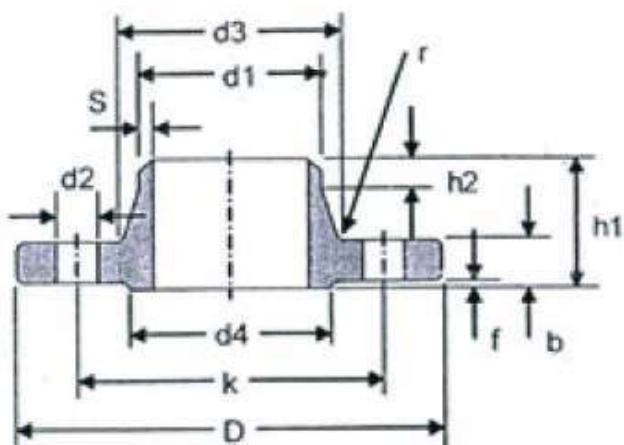
DIN 2631 Welding Neck Flange PN6



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
500	508	-	645	24	600	68	538	7.1	12	15	570	4	20	22	28.67
600	610	-	755	24	705	70	640	7.1	12	16	670	5	20	26	34.8
700	711	-	860	24	810	70	740	7.1	12	16	775	5	24	26	40.94
800	813	-	975	24	920	70	842	7.1	12	16	880	5	24	30	49.19
900	914	-	1075	26	1020	70	942	7.1	12	16	980	5	24	30	58.1
1000	1016	-	1175	26	1120	70	1045	7.1	16	16	1080	5	28	30	63.48
1200	1220	-	1405	28	1340	90	1248	8	16	20	1295	5	32	33	100.17
1400	1420	-	1630	32	1560	90	1452	8	16	20	1510	5	36	36	142.78
1600	1620	-	1830	34	1760	90	1655	9	16	20	1710	5	40	36	174.36
1800	1820	-	2045	36	1970	100	1855	10	16	20	1920	5	44	39	226.98
2000	2020	-	2265	38	2180	110	2058	11	16	25	2125	5	48	42	292.12
2200	2220	-	2475	42	2390	115	2260	12	18	25	2335	6	52	42	366.33
2400	2420	-	2685	44	2600	125	2462	13	18	25	2545	6	56	42	448.52
2600	2620	-	2905	46	2810	130	2665	14	18	25	2750	6	60	48	540.16
2800	2820	-	3115	48	3020	135	2865	15	18	30	2960	6	64	48	630.03
3000	3020	-	3315	50	3220	140	3068	16	18	30	3160	6	68	48	716.33
3200	3220	-	3525	54	3430	150	3272	16	20	30	3370	6	72	48	854.42
3400	3420	-	3735	46	3640	160	3475	18	20	35	3580	6	76	48	887.81
3600	3620	-	3970	60	3860	165	3678	18	20	35	3790	6	80	56	1202.43



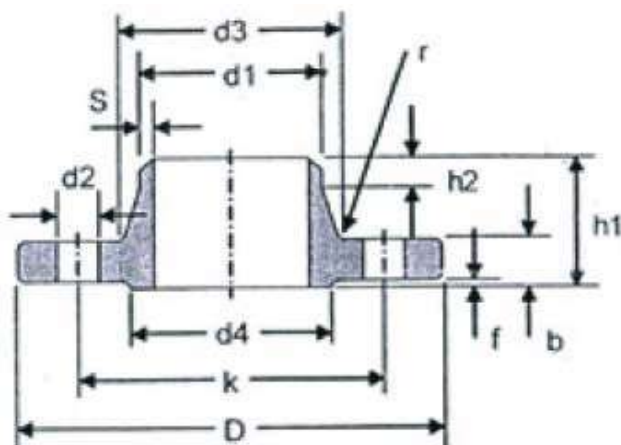
DIN 2632 Welding Neck Flange PN10



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	90	14	60	35	25	1.8	4	6	40	2	4	14	0.58
	17.2	-	90	14	60	35	28	1.8	4	6	40	2	4	14	0.58
15	-	20	95	14	65	35	30	2	4	6	45	2	4	14	0.65
	21.3	-	95	14	65	35	32	2	4	6	45	2	4	14	0.65
20	-	25	105	16	75	38	38	2.3	4	6	58	2	4	14	0.95
	26.9	-	105	16	75	38	40	2.3	4	6	58	2	4	14	0.95
25	-	30	115	16	85	38	42	2.6	4	6	68	2	4	14	1.15
	33.7	-	115	16	85	38	45	2.6	4	6	68	2	4	14	1.14
32	-	38	140	16	100	40	52	2.6	6	6	78	2	4	18	1.67
	42.4	-	140	16	100	40	55	2.6	6	6	78	2	4	18	1.65
40	-	44.5	150	16	110	42	60	2.6	6	7	88	3	4	18	1.85
	48.3	-	150	16	110	42	64	2.6	6	7	88	3	4	18	1.83
50	-	57	165	18	125	45	72	2.9	6	8	102	3	4	18	2.51
	60.3	-	165	18	125	45	75	2.9	6	8	102	3	4	18	2.48
65	76.1	-	165	18	145	45	90	2.9	6	10	122	3	4	18	3.03
80	88.9	-	200	20	160	50	105	3.2	6	10	138	3	8	18	3.82
100	-	108	220	20	180	52	125	3.6	8	12	158	3	8	18	4.54
	114.3	-	220	20	180	52	131	3.6	8	12	158	3	8	18	4.41
125	-	133	250	22	210	55	150	4	8	12	188	3	8	18	6.28
	139.7	-	250	22	210	55	156	4	8	12	188	3	8	18	6.07
150	-	159	285	22	240	55	175	4.5	10	12	212	3	8	22	7.75
	168.3	-	285	22	240	55	184	4.5	10	12	212	3	8	22	7.40
200	219.1	-	340	24	295	62	235	5.9	10	16	268	3	8	22	11.10
250	-	267	395	26	350	68	285	6.3	12	16	320	3	12	22	15.31
	273	-	395	26	350	68	292	6.3	12	16	320	3	12	22	14.92
300	323.9	-	445	26	400	68	344	7.1	12	16	370	4	12	22	17.47
350	355.6	-	505	26	460	66	385	7.1	12	16	430	4	16	22	23.7
	-	368	505	26	460	68	385	7.1	12	16	430	4	16	22	21.71
400	406.4	-	565	26	515	72	440	7.1	12	16	482	4	16	26	28.72
	-	419	565	26	515	72	440	7.1	12	16	482	4	16	26	26.27



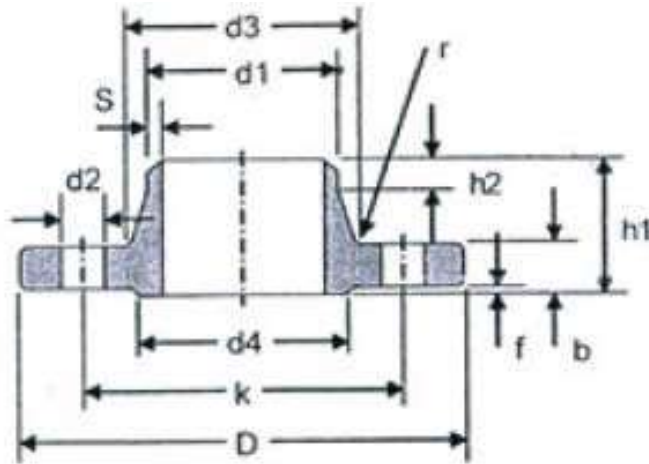
DIN 2632 Welding Neck Flange PN10



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
450	457.2	-	615	26	565	72	478	7.1	12	16	532	4	20	26	30.40
500	508	-	670	28	620	75	542	7.1	12	16	585	4	20	26	38.27
600	610	-	780	28	725	80	642	7.1	12	18	685	5	20	30	46.56
700	711	-	895	30	840	80	745	8	12	18	800	5	24	30	62.30
800	813	-	1015	32	950	90	850	8	12	18	905	5	24	33	83.81
900	914	-	1115	34	1050	95	950	10	12	20	1005	5	28	33	102.45
1000	1016	-	1230	34	1160	95	1052	10	16	20	1110	5	28	36	118.53
1200	1220	-	1455	36	1380	115	1255	11	16	25	1330	5	32	39	178.18
1400	1420	-	1675	42	1590	120	1460	12	16	25	1535	5	36	42	244.75
1600	1620	-	1915	46	1820	130	1665	14	16	25	1760	5	40	48	353.74
1800	1820	-	2115	50	2020	140	1868	15	16	30	1960	5	44	48	436.33
2000	2020	-	2325	54	2230	150	2072	16	16	30	2170	5	46	48	548.04
2200	2220	-	2550	58	2440	160	2275	18	18	35	2370	5	52	56	685.10
2400	2420	-	2760	62	2650	170	2478	20	18	35	2570	5	56	56	640.04
2600	2620	-	2860	66	2850	180	2690	22	18	40	2780	6	60	56	990.16
2800	2820	-	3180	70	3070	190	2882	22	18	40	3000	6	64	56	1187.16
3000	3020	-	3405	75	3290	200	3085	24	18	45	3210	6	65	62	1437.06



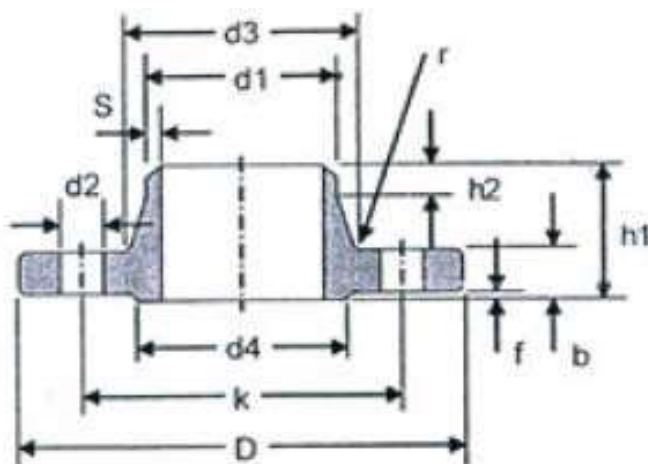
DIN 2633 Welding Neck Flange PN16



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	90	14	60	35	25	1.8	4	6	40	2	4	14	0.58
	17.2	-	90	14	60	35	28	1.8	4	6	40	2	4	14	0.58
15	-	20	95	14	65	35	30	2	4	6	45	2	4	14	0.65
	21.3	-	95	14	65	35	32	2	4	6	45	2	4	14	0.65
20	-	25	105	16	75	38	38	2.3	4	6	58	2	4	14	0.95
	26.9	-	105	16	75	38	40	2.3	4	6	58	2	4	14	0.95
25	-	30	115	16	85	38	42	2.6	4	6	68	2	4	14	1.15
	33.7	-	115	16	85	38	45	2.6	4	6	68	2	4	14	1.14
32	-	38	140	16	100	40	52	2.6	6	6	78	2	4	18	1.67
	42.4	-	140	16	100	40	56	2.6	6	6	78	2	4	18	1.65
40	-	44.5	150	16	110	42	60	2.6	6	7	88	3	4	18	1.85
	48.3	-	150	16	110	42	64	2.6	6	7	88	3	4	18	1.83
50	-	57	165	18	125	45	72	2.9	6	8	102	3	4	18	2.51
	60.3	-	165	18	125	45	75	2.9	6	8	102	3	4	18	2.48
65	76.1	-	185	18	145	45	90	2.9	6	10	122	3	4	18	3.03
80	88.9	-	200	20	160	50	105	3.2	8	10	138	3	8	18	3.82
100	-	108	220	20	180	52	125	3.6	8	12	158	3	8	18	4.54
	114.3	-	220	20	180	52	131	3.6	8	12	158	3	8	18	4.41
125	-	133	250	22	210	55	150	4	8	12	188	3	8	18	6.28
	139.7	-	250	22	210	55	156	4	8	12	188	3	8	18	6.07
150	-	159	285	22	240	55	175	4.5	10	12	212	3	8	22	7.75
	168.3	-	285	22	240	55	184	4.5	10	12	212	3	8	22	7.4
175	193.7	-	315	24	270	60	210	5.4	10	12	242	3	8	22	9.86
200	219.1	-	340	24	295	62	235	5.9	10	16	268	3	12	22	10.85



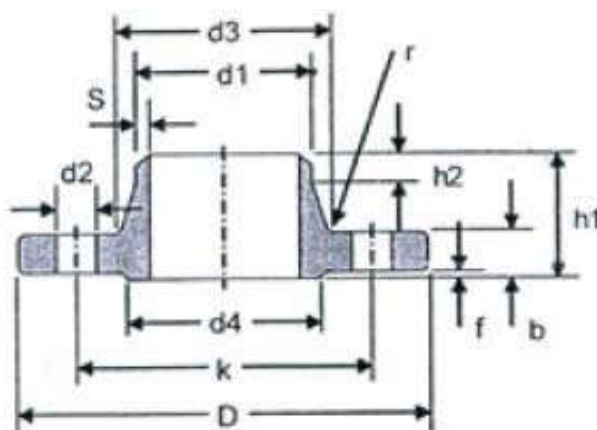
DIN 2633 Welding Neck Flange PN16



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
250	-	267	405	26	355	70	285	6.3	12	16	320	3	12	26	16.26
	273	-	405	26	355	70	292	6.3	12	16	320	3	12	26	15.87
300	323.9	-	460	28	410	78	344	7.1	12	16	378	4	12	26	21.24
350	355.6	-	520	30	470	82	390	8	12	16	438	4	16	26	31.38
	-	368	520	30	470	82	390	8	12	16	438	4	16	26	28.95
400	406.4	-	580	32	525	85	445	8	12	16	490	4	16	30	39.3
	-	419	580	32	525	85	445	8	12	16	490	4	16	30	36.3
500	508	-	715	34	650	90	548	8	12	16	610	4	20	33	59.63
600	610	-	840	36	770	95	652	8.8	12	18	725	5	20	36	82.54
700	711	-	910	36	840	100	755	8.8	12	18	795	5	24	36	83.9
800	813	-	1025	38	950	105	855	10	12	20	900	5	24	39	107.3
900	914	-	1125	40	1050	110	955	10	12	20	1000	5	28	39	124.97
1000	1016	-	1255	42	1170	120	1058	10	16	22	1115	5	28	42	163.76
1200	1220	-	1485	48	1390	130	1262	12.5	16	30	1330	5	32	48	244.15
1400	1420	-	1685	52	1590	145	1465	14.2	16	30	1530	5	36	48	320.87
1600	1620	-	1930	58	1820	160	1668	16	16	35	1750	5	40	56	465.83
1800	1820	-	2130	62	2020	170	1870	17.5	16	35	1950	5	44	56	570.52
2000	2020	-	2345	66	2230	180	2072	20	16	40	2150	5	48	62	706.74



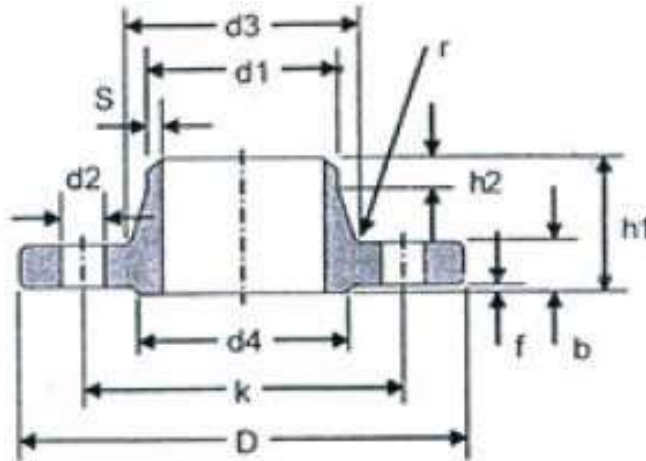
DIN 2634 Welding Neck Flange PN25



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	90	16	60	35	25	1.8	4	6	40	2	4	14	0.67
	17.2	-	90	16	60	35	28	1.8	4	6	40	2	4	14	0.66
15	-	20	95	16	65	38	30	2	4	6	45	2	4	14	0.75
	21.3	-	95	16	65	38	32	2	4	6	45	2	4	14	0.75
20	-	25	105	18	75	40	38	2.3	4	6	58	2	4	14	1.07
	26.9	-	105	18	75	40	40	2.3	4	6	58	2	4	14	1.07
25	-	30	115	18	85	40	42	2.6	4	6	68	2	4	14	1.29
	33.7	-	115	18	85	40	46	2.6	4	6	68	2	4	14	1.28
32	-	38	140	18	100	42	52	2.6	6	6	78	2	4	18	1.88
	42.4	-	140	18	100	42	56	2.6	6	6	78	2	4	18	1.86
40	-	44.5	150	18	110	45	60	2.6	6	7	88	3	4	18	2.1
	48.3	-	150	18	110	45	64	2.6	6	7	88	3	4	18	2.08
50	-	57	165	20	125	48	72	2.9	6	8	102	3	4	18	2.81
	60.3	-	165	20	125	48	75	2.9	6	8	102	3	4	18	2.78
65	-	66	185	22	145	52	90	2.9	6	10	122	3	8	18	3.61
	76.1	-	185	22	145	52	90	2.9	6	10	122	3	8	18	3.61
80	-	76	200	24	160	58	105	3.2	8	12	138	3	8	18	4.62
	88.9	-	200	24	160	58	105	3.2	8	12	138	3	8	18	4.62
100	-	106	235	24	190	65	128	3.6	8	12	162	3	8	22	6.42
	114.3	-	235	24	190	65	134	3.6	8	12	162	3	8	22	6.27
125	-	133	270	26	220	68	155	4	8	12	188	3	8	26	8.83
	139.7	-	270	26	220	68	162	4	8	12	188	3	8	26	8.61
150	-	159	300	28	250	75	182	4.5	10	12	218	3	8	26	11.67
	166.3	-	300	28	250	75	192	4.5	10	12	218	3	8	26	11.29
175	-	175	330	28	280	75	218	5.6	10	15	248	3	12	26	13.11
	193.7	-	330	28	280	75	218	5.6	10	15	248	3	12	26	13.11
200	-	200	360	30	310	80	244	6.3	10	16	278	3	12	26	16.61
	219.1	-	360	30	310	80	244	6.3	10	16	278	3	12	26	16.61
250	-	267	425	32	370	88	292	7.1	12	18	335	3	12	30	23.99
	273	-	425	32	370	88	298	7.1	12	18	335	3	12	30	23.48
300	-	300	485	34	430	92	352	8	12	18	395	4	16	30	30.74
	323.9	-	485	34	430	92	352	8	12	18	395	4	16	30	30.74
350	-	350	555	38	490	100	398	8	12	20	450	4	16	33	47.20
	355.6	-	555	38	490	100	398	8	12	20	450	4	16	33	44.22
400	-	400	620	40	550	110	452	8.8	12	20	505	4	16	36	61.69
	406.4	-	620	40	550	110	452	8.8	12	20	505	4	16	36	57.88
500	-	500	730	44	660	125	558	10	12	20	615	4	20	36	89.57
	508	-	730	44	660	125	558	10	12	20	615	4	20	36	89.57
600	-	600	845	46	770	125	660	11	12	20	720	5	20	39	114.96
	610	-	845	46	770	125	660	11	12	20	720	5	20	39	114.96
700	-	700	960	46	875	125	760	12.5	12	20	820	5	24	42	139.5
	711	-	960	46	875	125	760	12.5	12	20	820	5	24	42	139.5
800	-	800	1085	50	990	135	865	14.2	12	22	930	5	24	48	188.71
	813	-	1085	50	990	135	865	14.2	12	22	930	5	24	48	188.71
900	-	900	1185	54	1090	145	968	16	12	24	1030	5	28	48	231.48
	914	-	1185	54	1090	145	968	16	12	24	1030	5	28	48	231.48
1000	-	1000	1320	58	1210	155	1070	17.5	16	24	1140	5	28	56	303.52
	1016	-	1320	58	1210	155	1070	17.5	16	24	1140	5	28	56	303.52



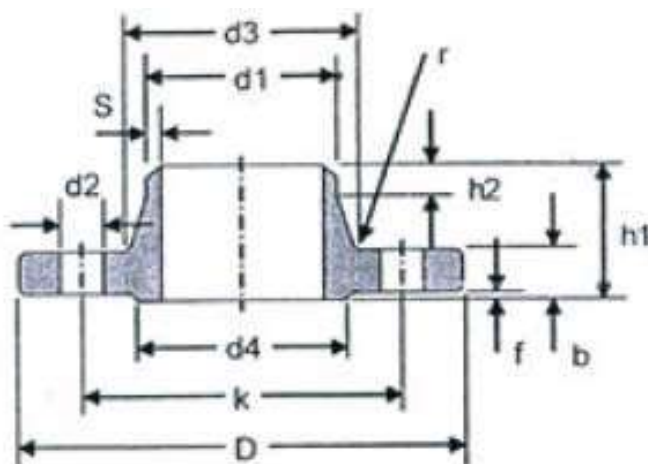
DIN 2635 Welding Neck Flange PN40



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	90	16	60	35	25	1.8	4	6	40	2	4	14	0.67
	17.2	-	90	16	60	35	28	1.8	4	6	40	2	4	14	0.66
15	-	20	95	16	65	38	30	2	4	6	45	2	4	14	0.75
	21.3	-	95	16	65	38	32	2	4	6	45	2	4	14	0.75
20	-	25	105	18	75	40	48	2.3	4	6	58	2	4	14	1.07
	26.9	-	105	18	75	40	40	2.3	4	6	58	2	4	14	1.07
25	-	30	115	18	85	40	42	2.6	4	6	68	2	4	14	1.29
	33.7	-	115	18	85	40	46	2.6	4	6	68	2	4	14	1.28
32	-	38	140	18	100	42	52	2.6	6	6	78	2	4	18	1.88
	42.4	-	140	18	100	42	56	2.6	6	6	78	2	4	18	1.86
40	-	44.5	150	18	110	45	60	2.6	6	7	88	3	4	18	2.1
	48.3	-	150	18	110	45	64	2.6	6	7	88	3	4	18	2.08
50	-	57	165	20	125	48	72	2.9	6	8	102	3	4	18	2.81
	60.3	-	165	20	125	48	75	2.9	6	8	102	3	4	18	2.78
65	76.1	-	185	22	145	52	90	2.9	6	10	122	3	8	18	3.81
80	88.9	-	200	24	160	58	105	3.2	8	12	138	3	8	18	4.62
100	-	108	235	24	190	65	128	3.8	8	12	162	3	8	22	6.42
	114.3	-	235	24	190	65	134	3.6	8	12	162	3	8	22	6.27
125	-	133	270	26	220	68	155	4	8	12	188	3	8	26	8.83
	139.7	-	270	26	220	68	162	4	8	12	188	3	8	26	8.61
150	-	159	300	28	250	75	182	4.5	10	12	218	3	8	26	11.67
	168.3	-	300	28	250	75	192	4.5	10	12	218	3	8	26	11.29
175	193.7	-	350	32	295	82	218	5.6	10	15	260	3	12	30	17.01
200	219.1	-	375	34	320	88	244	6.3	10	16	285	3	12	30	20.49
	-	267	450	38	385	105	298	7.1	12	18	345	3	12	33	33.75
250	273	-	450	38	385	105	306	7.1	12	18	345	3	12	33	33.34
	323.9	-	515	42	450	115	362	8	12	18	410	4	16	33	46.55
350	355.6	-	580	46	510	125	408	8.8	12	20	465	4	16	36	67.73
	-	368	580	46	510	125	408	8.8	12	20	465	4	16	36	63.96
400	406.4	-	660	50	585	135	462	11	12	20	535	4	16	39	96.73
	-	419	660	50	585	135	462	11	12	20	535	4	16	39	91.99
500	508	-	755	52	670	140	562	14.2	12	20	615	4	20	42	120.96



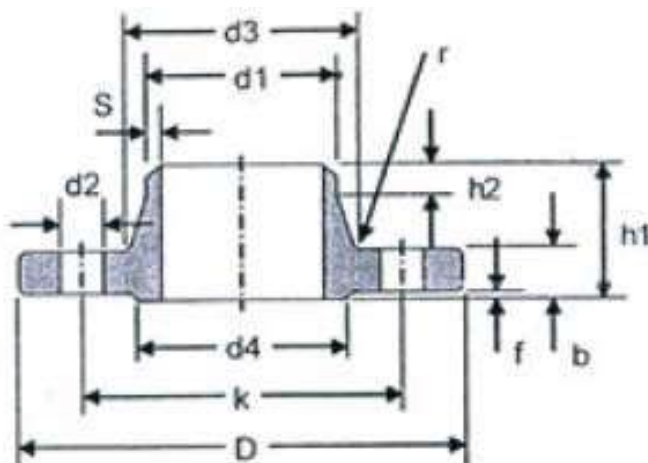
DIN 2636 Welding Neck Flange PN64



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	100	20	70	45	28	1.8	4	6	40	2	4	14	1.07
	17.2	-	100	20	70	45	32	1.8	4	6	40	2	4	14	1.08
15	-	20	105	20	75	45	32	2.0	4	6	45	2	4	14	1.19
	21.3	-	105	20	75	45	34	2.0	4	6	45	2	4	14	1.19
25	-	30	140	24	100	58	48	2.6	4	8	68	2	4	18	2.61
	33.7	-	140	24	100	58	52	2.6	4	8	68	2	4	18	2.60
40	-	44.5	170	26	125	62	65	2.9	6	10	88	3	4	22	4.00
	48.3	-	170	26	125	62	70	2.9	6	10	88	3	4	22	3.99
50	-	57	180	26	135	62	78	2.9	6	10	102	3	4	22	4.45
	60.3	-	180	26	135	62	82	2.9	6	10	102	3	4	22	4.42
65	76.1	-	205	26	160	66	98	3.2	6	12	122	3	8	22	5.49
80	88.9	-	215	28	170	72	112	3.6	8	12	138	3	8	22	6.50
100	-	108	250	30	200	76	132	4.0	8	12	162	3	8	26	9.25
	114.3	-	250	30	200	76	138	4.0	8	12	162	3	8	26	9.06
125	-	133	295	34	240	88	162	4.5	8	12	188	3	8	30	14.53
	139.7	-	295	34	240	88	168	4.5	8	12	188	3	8	30	14.23
150	-	159	345	36	280	95	192	5.6	10	12	218	3	8	33	21.35
	168.3	-	345	36	280	95	202	5.6	10	12	218	3	8	33	20.92
175	193.7	-	375	40	310	105	228	6.3	10	16	260	3	12	33	26.28
200	219.1	-	415	42	345	110	256	7.1	10	16	285	3	12	36	33.56
250	-	267	470	46	400	125	310	8.8	12	18	345	3	12	36	47.98
	273.0	-	470	46	400	125	316	8.8	12	18	345	3	12	36	47.32
300	323.9	-	530	52	460	140	372	11.0	12	18	410	4	16	36	66.44
350	355.6	-	600	56	525	150	420	12.5	12	20	465	4	16	39	96.23
	-	368	600	56	525	150	420	12.5	12	20	465	4	16	39	91.77
400	406.4	-	670	60	585	160	475	14.2	12	20	535	4	16	42	127.70
	-	419	670	60	585	160	475	14.2	12	20	535	4	16	42	122.13



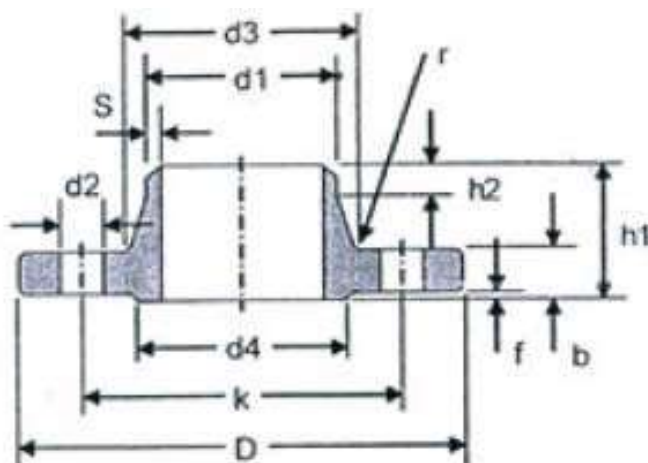
DIN 2637 Welding Neck Flange PN100



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	100	20	70	45	28	1.8	4	6	40	2	4	14	1.07
	17.2	-	100	20	70	45	32	1.8	4	6	40	2	4	14	1.08
15	-	20	105	20	75	45	32	2.0	4	6	45	2	4	14	1.19
	21.3	-	105	20	75	45	34	2.0	4	6	45	2	4	14	1.19
25	-	30	140	24	100	58	48	2.6	4	8	68	2	4	18	2.61
	33.7	-	140	24	100	58	52	2.6	4	8	68	2	4	18	2.60
40	-	44.5	170	26	125	62	65	2.9	6	10	88	3	4	22	4.00
	48.3	-	170	26	125	62	70	2.9	6	10	88	3	4	22	3.99
50	-	57	195	28	145	68	86	3.2	6	10	102	3	4	26	5.72
	60.3	-	195	28	145	68	90	3.2	6	10	102	3	4	26	5.70
65	76.1	-	220	30	170	76	108	3.6	6	12	122	3	8	26	7.43
80	88.9	-	230	32	180	78	120	4.0	8	12	138	3	8	26	8.58
100	-	108	265	36	210	90	145	5.0	8	12	162	3	8	30	13.02
	114.3	-	265	36	210	90	150	5.0	8	12	162	3	8	30	12.79
125	-	133	315	40	250	105	180	6.3	8	12	188	3	8	33	21.29
	139.7	-	315	40	250	105	180	6.3	8	12	188	3	8	33	20.68
150	-	159	355	44	290	115	210	7.1	10	12	218	3	12	33	28.90
	168.3	-	355	44	290	115	210	7.1	10	12	218	3	12	33	27.76
175	193.7	-	385	48	320	127	245	8.8	10	16	260	3	12	33	36.94
200	219.1	-	430	52	360	130	278	10.0	10	16	285	3	12	36	49.35
250	-	267	505	60	430	157	340	12.5	12	18	345	3	12	39	81.71
	273.0	-	505	60	430	157	340	12.5	12	18	345	3	12	39	80.09
300	323.9	-	585	68	500	170	400	14.2	12	18	410	4	16	42	116.25
350	355.6	-	655	74	560	189	460	16.0	12	20	465	4	16	48	166.09
	-	368	655	74	560	189	460	16.0	12	20	465	4	16	48	160.53



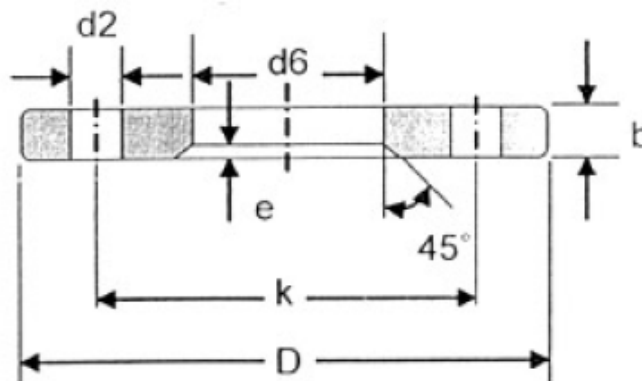
DIN 2638 Welding Neck Flange PN160



DN	d1		D	b	k	h1	d3	S	r	h2	d4	f	No. of holes	d2	KG
	ISO	DIN													
10	-	14	100	20	70	45	28	2.0	4	6	40	2	4	14	1.08
	17.2	-	100	20	70	45	32	2.0	4	6	40	2	4	14	1.08
15	-	20	105	20	75	45	32	2.0	4	6	45	2	4	14	1.19
	21.3	-	105	20	75	45	34	2.0	4	6	45	2	4	14	1.19
25	-	30	140	24	100	58	48	2.9	4	8	68	2	4	18	2.62
	33.7	-	140	24	100	58	52	2.9	4	8	68	2	4	18	2.62
40	-	44.5	170	28	125	64	65	3.6	6	10	88	3	4	22	4.36
	48.3	-	170	28	125	64	70	3.6	6	10	88	3	4	22	4.34
50	-	57	195	30	145	75	86	4.0	6	10	102	3	4	26	6.28
	60.3	-	195	30	145	75	90	4.0	6	10	102	3	4	26	6.27
65	76.1	-	220	34	170	82	108	5.0	6	12	122	3	8	26	8.61
80	88.9	-	230	36	180	86	120	6.3	8	12	138	3	8	26	10.09
100	-	108	265	40	210	100	145	8.0	8	12	162	3	8	30	15.28
	114.3	-	265	40	210	100	150	8.0	8	12	162	3	8	30	15.07
125	-	133	315	44	250	115	180	10.0	8	14	188	3	8	33	24.68
	139.7	-	315	44	250	115	180	10.0	8	14	188	3	8	33	24.09
150	-	159	355	50	290	128	210	12.5	10	14	218	3	12	33	35.14
	168.3	-	355	50	290	128	210	12.5	10	14	218	3	12	33	34.02
175	193.7	-	390	54	320	138	245	14.2	10	16	260	3	12	36	44.90
200	219.1	-	490	60	360	140	278	16.0	10	16	285	3	12	36	60.03
250	-	267	515	68	430	155	340	20.0	12	18	345	3	12	42	98.05
	273	-	515	68	430	155	340	20.0	12	18	345	3	12	42	96.52
300	323.9	-	585	76	500	175	400	22.2	12	18	410	4	16	42	138.80



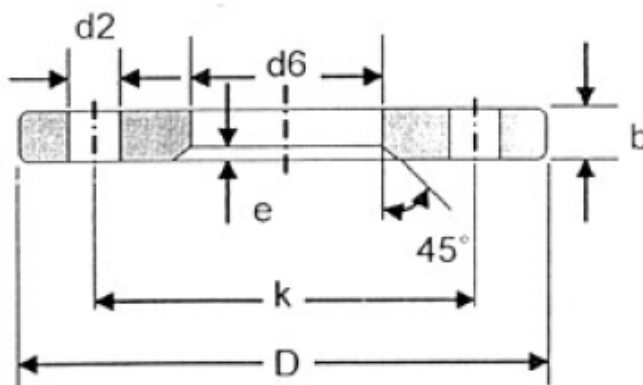
DIN 2641 Lapped (Lapped Joint) Flange, Plain Collar PN6



DN	d1		D	d6	b	k	e	No. of holes	d2	KG
	ISO	DIN								
10	-	14	75	16	10	50	2	4	11	0.3
	17.2	-	75	19	10	50	2	4	11	0.29
15	-	20	80	22	10	55	2	4	11	0.33
	21.3	-	80	24	10	55	2	4	11	0.33
20	-	25	90	28	10	65	2	4	11	0.42
	26.9	-	90	30	10	65	2	4	11	0.41
25	-	30	100	33	12	75	3	4	11	0.62
	33.7	-	100	36	12	75	3	4	11	0.61
32	-	38	120	42	12	90	3	4	14	0.88
	42.4	-	120	46	12	90	3	4	14	0.85
40	-	44.5	130	50	12	100	3	4	14	1.01
	48.3	-	130	54	12	100	3	4	14	0.98
50	-	57	140	62	12	110	3	4	14	1.11
	60.3	-	140	65	12	110	3	4	14	1.08
65	76.1	-	160	81	12	130	3	4	14	1.35
80	88.9	-	190	94	14	150	3	4	18	2.24
100	-	108	210	113	14	170	3	4	18	2.59
	114.3	-	210	119	14	170	3	4	18	2.47
125	-	133	240	138	14	200	3	8	18	3.1
	139.7	-	240	145	14	200	3	8	18	2.93
150	-	159	265	164	14	225	3	8	18	3.52
	168.3	-	265	173	14	225	3	8	18	3.25
200	219.1	-	320	225	16	280	3	8	18	4.85
250	-	267	375	273	20	335	3	12	18	7.67
	273	-	375	279	20	335	3	12	18	7.26
300	323.9	-	440	329	24	395	4	12	22	11.77
350	355.6	-	490	362	26	445	4	12	22	16.55
	-	368	490	374	26	445	4	12	22	15.13
400	406.4	-	540	413	28	495	4	16	22	19.56
	-	419	540	426	28	495	4	16	22	17.67
500	508	-	645	517	32	600	4	20	22	27.43
600	610	-	755	618	36	705	4	20	26	38.75
700	711	-	860	721	40	810	4	24	26	50.19
800	813	-	975	824	44	920	4	24	30	67.83
900	914	-	1075	926	48	1020	4	24	30	81.84
1000	1016	-	1175	1028	52	1120	4	28	30	95.74
1200	1220	-	1405	1232	60	1340	5	32	33	155.87



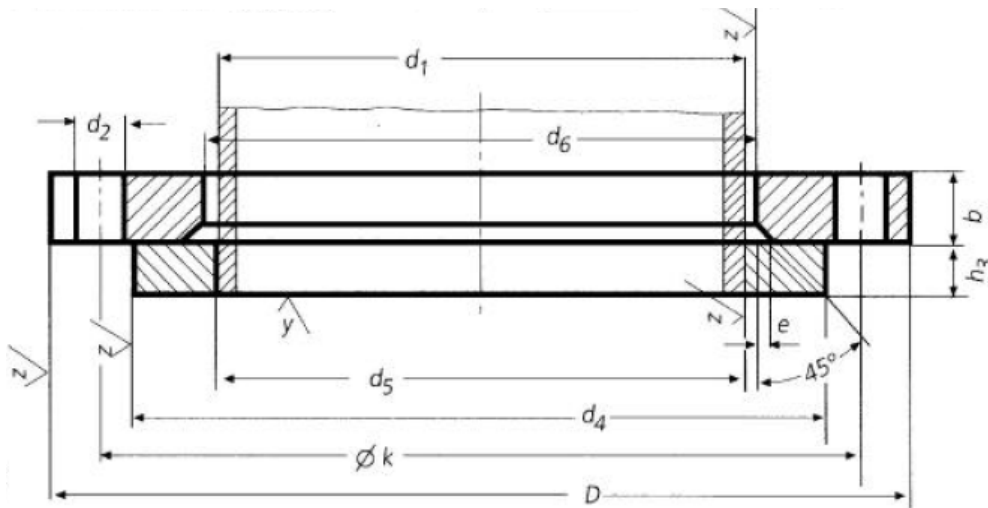
DIN 2642 Lapped (Lapped Joint) Flange, Plain Collar PN10



DN	d1		D	d6	b	k	e	No. of holes	d2	KG
	ISO	DIN								
10	-	14	90	16	14	60	3	4	14	0.61
	17.2	-	90	19	14	60	3	4	14	0.60
15	-	20	95	22	14	65	3	4	14	0.67
	21.3	-	95	24	14	65	3	4	14	0.66
20	-	25	105	28	14	75	3	4	14	0.82
	26.9	-	105	30	14	75	3	4	14	0.81
25	-	30	115	33	16	85	4	4	14	1.12
	33.7	-	115	36	16	85	4	4	14	1.10
32	-	38	140	42	16	100	4	4	18	1.63
	42.4	-	140	46	16	100	4	4	18	1.60
40	-	44.5	150	50	16	110	4	4	18	1.85
	48.3	-	150	54	16	110	4	4	18	1.80
50	-	57	165	62	16	125	5	4	18	2.18
	60.3	-	165	65	16	125	5	4	18	2.14
65	76.1	-	185	81	16	145	5	4	18	2.60
80	88.9	-	200	94	18	160	5	8	18	3.17
100	-	108	220	113	18	180	5	8	18	3.67
	114.3	-	220	119	18	180	5	8	18	3.51
125	-	133	250	138	18	210	5	8	18	4.53
	139.7	-	250	145	18	210	5	8	18	4.32
150	-	159	285	164	18	240	5	8	22	5.60
	168.3	-	285	173	18	240	5	8	22	5.26
200	219.1	-	340	225	20	295	5	8	22	7.53
250	-	267	395	273	22	350	5	12	22	10.27
	273	-	395	279	22	350	5	12	22	9.82
300	323.9	-	445	329	26	400	5	12	22	13.46
350	355.6	-	505	362	28	460	6	16	22	20.07
	-	368	505	374	28	460	6	16	22	18.54
400	406.4	-	565	413	32	515	6	16	26	27.19
	-	419	565	426	32	515	6	16	26	25.04
500	508	-	670	517	38	620	6	20	26	39.38
600	610	-	780	618	44	725	7	20	30	56.55
700	711	-	895	721	50	840	7	24	30	80.02
800	813	-	1015	824	56	950	7	24	33	112.25
900	914	-	1115	926	62	1050	7	28	33	135.80
1000	1016	-	1230	1026	70	1160	7	28	36	182.96



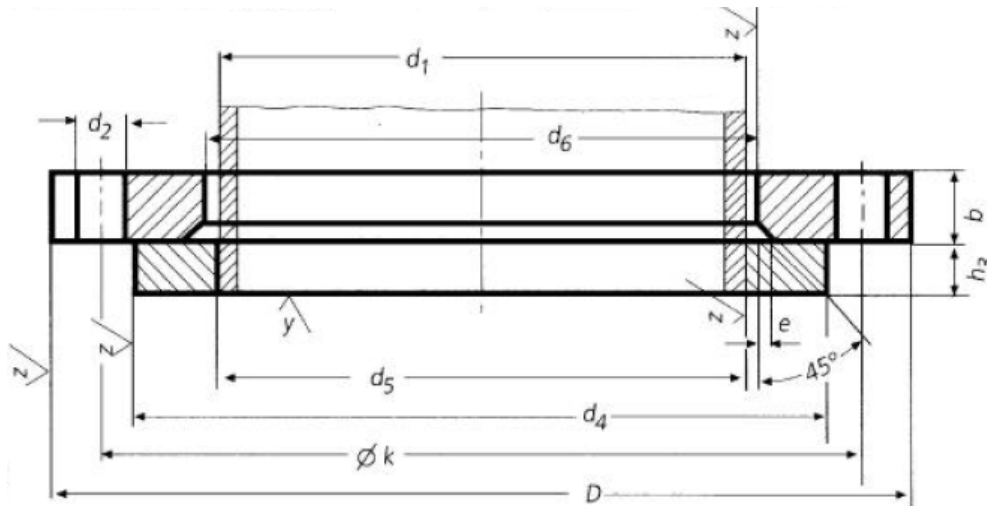
**DIN 2652 Loose Flange And Ring For Welding PN6
(Slip-on Flange And Plain Collar)**



DN	d1		D	d6	b	k	e	No. of holes	Thread	d2	d4	d5	h3	KG Flange	KG Ring
	ISO	DIN													
10	-	14	75	16	10	50	5	4	M10	11	35	14.5	8	0.298	0.051
	17.2	-	75	19	10	50	5	4	M10	11	35	17.7	8	0.298	0.051
15	-	20	80	22	10	55	5	4	M10	11	40	21	8	0.337	0.063
	21.3	-	80	24	10	55	5	4	M10	11	40	22	8	0.337	0.063
20	-	25	90	28	10	65	5	4	M10	11	50	26	10	0.418	0.116
	26.9	-	90	30	10	65	5	4	M10	11	50	27.6	10	0.418	0.116
25	-	30	100	33	12	75	6	4	M10	11	60	31	10	0.620	0.166
	33.7	-	100	36	12	75	6	4	M10	11	60	34.4	10	0.620	0.166
32	-	38	120	42	12	90	6	4	M12	14	70	39	10	0.874	0.213
	42.4	-	120	46	12	90	6	4	M12	14	70	43.1	10	0.874	0.213
40	-	44.5	130	50	12	100	6	4	M12	14	80	45.5	10	1.010	0.273
	48.3	-	130	54	12	100	6	4	M12	14	80	49	10	1.010	0.273
50	-	57	140	62	12	110	6	4	M12	14	90	58.1	12	1.120	0.359
	60.3	-	140	65	12	110	6	4	M12	14	90	61.1	12	1.120	0.359
65	76.1	-	160	81	12	130	6	4	M12	14	110	77.1	12	1.350	0.468
80	88.9	-	190	94	14	150	6	4	M16	18	128	90.3	14	2.240	0.730
100	-	108	210	113	14	170	6	4	M16	18	148	109.6	14	2.590	0.884
	114.3	-	210	119	14	170	6	4	M16	18	148	115.9	14	2.590	0.884
125	-	133	240	138	14	200	6	8	M16	18	178	134.8	14	3.100	1.210
	139.7	-	240	145	14	200	6	8	M16	18	178	141.6	14	3.100	1.210
150	-	159	265	164	14	225	6	8	M16	18	202	161.1	14	3.520	1.340
	168.3	-	265	173	14	225	6	8	M16	18	202	170.5	14	3.520	1.340
200	219.1	-	320	225	16	280	8	8	M16	18	258	221.8	16	4.980	2.000
250	-	267	375	273	20	335	8	8	M16	18	312	270.2	18	7.670	2.890
	273	-	375	279	20	335	8	12	M16	18	312	276.2	18	7.670	2.890
300	323.9	-	440	329	24	395	8	12	M20	22	365	327.6	18	12.30	3.560
350	355.6	-	590	362	26	445	8	12	M20	22	415	359.7	18	15.10	4.080
	-	368	590	374	26	445	8	12	M20	22	415	372.2	18	15.10	4.080
400	406.4	-	540	413	28	495	8	16	M20	22	465	411	20	17.70	4.910
	-	419	540	426	28	495	8	16	M20	22	465	423.7	20	17.70	4.910
(450)	457	-	595	467	30	550	8	16	M20	22	520	462.5	20	20.40	5.700
500	508	-	645	517	32	600	8	20	M20	22	570	513.6	22	25.40	7.390



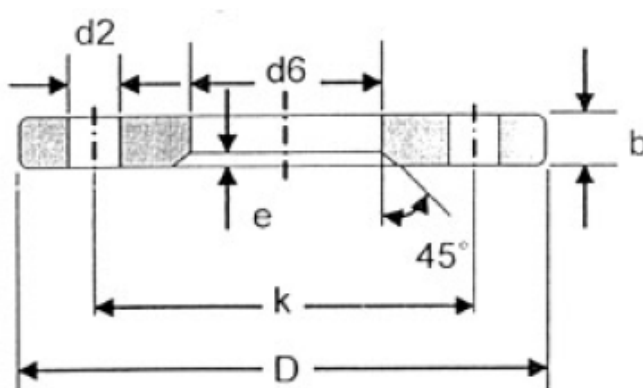
**DIN 2653 Loose Flange And Ring For Welding PN10
(Slip-on Flange And Plain Collar)**



DN	d1		D	d6	b	k	e	No. of holes	Thread	d2	d4	d5	h3	KG Flange	KG Ring
	ISO	DIN													
10	-	14	90	16	14	60	5	4	M12	14	40	14.5	10	0.599	0.087
	17.2	-	90	19	14	60	5	4	M12	14	40	17.7	10	0.599	0.087
15	-	20	95	22	14	65	5	4	M12	14	45	21	10	0.689	0.105
	21.3	-	95	24	14	65	5	4	M12	14	45	22	10	0.689	0.105
20	-	25	105	28	14	75	5	4	M12	14	58	26	12	0.806	0.203
	26.9	-	105	30	14	75	5	4	M12	14	58	27.6	12	0.806	0.203
25	-	30	115	33	16	85	6	4	M12	14	68	31	12	0.110	0.276
	33.7	-	115	36	16	85	6	4	M12	14	68	34.4	12	0.110	0.276
32	-	38	140	42	16	100	6	4	M16	18	78	39	12	1.640	0.343
	42.4	-	140	46	16	100	6	4	M16	18	78	43.1	12	1.640	0.343
40	-	44.5	150	50	16	110	6	4	M16	18	88	45.5	12	1.860	0.426
	48.3	-	150	54	16	110	6	4	M16	18	88	49	12	1.860	0.426
50	-	57	165	62	16	125	6	4	M16	18	102	58.1	14	2.200	0.618
	60.3	-	165	65	16	125	6	4	M16	18	102	61.1	14	2.200	0.618
65	76.1	-	185	81	16	145	6	4	M16	18	122	77.1	14	2.620	0.786
80	88.9	-	200	94	18	160	6	4	M16	18	138	90.3	16	3.320	1.100
100	-	108	220	113	18	180	6	4	M16	18	158	109.6	16	3.670	1.310
	114.3	-	220	119	18	180	6	4	M16	18	158	115.9	16	3.670	1.310
125	-	133	250	138	18	210	6	8	M16	18	188	134.8	18	4.540	1.960
	139.7	-	250	145	18	210	6	8	M16	18	188	141.6	18	4.540	1.960
150	-	159	285	164	18	240	6	8	M20	22	212	161.1	18	5.600	2.180
	168.3	-	285	173	18	240	6	8	M20	22	212	170.5	18	5.600	2.180
200	219.1	-	340	225	20	295	8	8	M20	22	268	221.8	20	7.460	3.100
250	-	267	395	273	22	350	8	8	M20	22	320	270.2	22	10.30	4.220
	273	-	395	279	22	350	8	12	M20	22	320	276.2	22	10.30	4.220
300	323.9	-	445	329	26	400	8	12	M20	22	370	327.6	22	14.00	4.850
350	355.6	-	505	362	28	460	8	12	M20	22	430	359.7	22	18.50	6.710
	-	368	505	374	28	460	8	12	M20	22	430	372.2	22	18.50	6.710
400	406.4	-	565	413	32	515	8	16	M24	26	482	411	24	25.00	8.280
	-	419	565	426	32	515	8	16	M24	26	482	423.7	24	25.00	8.280
(450)	457	-	615	467	38	565	8	16	M24	26	532	462.5	24	30.60	9.300
500	508	-	670	517	38	620	8	20	M24	26	585	513.6	26	37.00	11.50



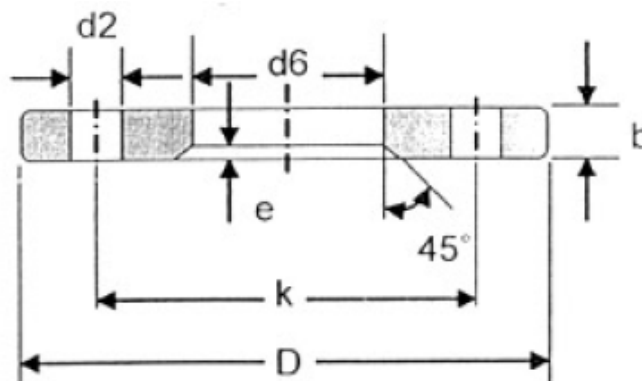
**DIN 2655 Loose Flange And Ring For Welding PN25
(Slip-on Flange And Plain Collar)**



DN	d1		D	d6	b	k	e	No. of holes	d2	KG
	ISO	DIN								
10	-	14	90	16	16	60	5	4	14	0.7
	17.2	-	90	19	16	60	5	4	14	0.69
15	-	20	95	22	16	65	5	4	14	0.77
	21.3	-	95	24	16	65	5	4	14	0.76
20	-	25	105	28	16	75	5	4	14	0.93
	26.9	-	105	30	16	75	5	4	14	0.92
25	-	30	115	33	18	85	6	4	14	1.26
	33.7	-	115	36	18	85	6	4	14	1.24
32	-	38	140	42	18	100	6	4	18	1.84
	42.4	-	140	46	18	100	6	4	18	1.8
40	-	44.5	150	50	18	110	6	4	18	2.08
	48.3	-	150	54	18	110	6	4	18	2.03
50	-	57	165	62	20	125	6	4	18	2.72
	60.3	-	165	65	20	125	6	4	18	2.68
65	76.1	-	185	81	20	145	6	8	18	3.09
80	88.9	-	200	94	22	160	6	8	18	3.88
100	-	108	235	113	22	190	6	8	22	5.23
	114.3	-	235	119	22	190	6	8	22	5.04
125	-	133	270	138	24	220	6	8	26	7.17
	139.3	-	270	145	24	220	6	8	26	6.88
150	-	159	300	164	24	250	6	8	26	8.54
	166.3	-	300	173	24	250	6	8	26	8.08
200	219.1	-	360	225	26	310	8	12	26	11.36
250	-	267	425	273	30	370	8	12	30	17.63
	273	-	425	279	30	370	8	12	30	17.01
300	323.9	-	485	329	34	430	8	16	30	23.6
350	355.6	-	555	362	38	490	8	16	33	37.38
	-	363	555	374	38	490	8	16	33	35.31
400	406.4	-	620	413	42	550	8	16	36	50
	-	419	620	426	42	550	8	16	36	47.18
500	508	-	730	517	50	660	8	20	36	73.88



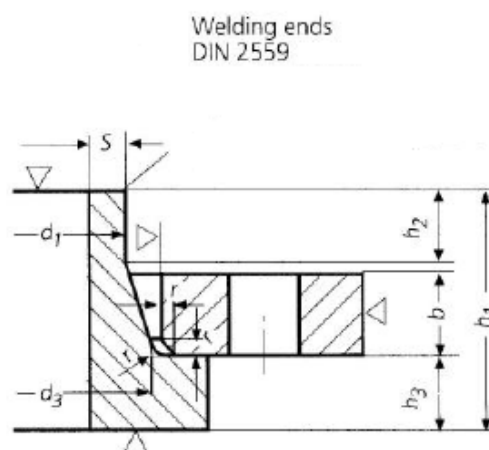
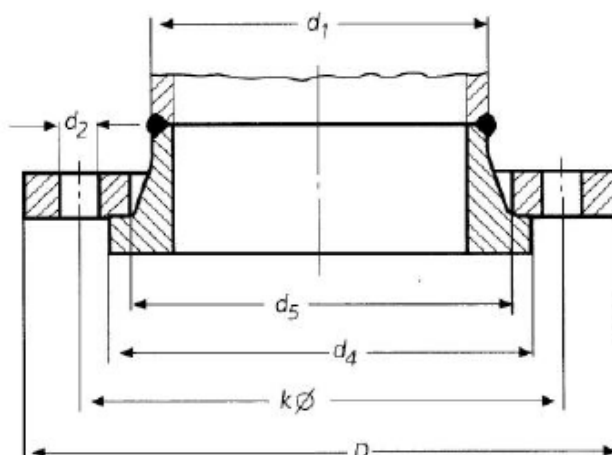
**DIN 2656 Loose Flange And Ring For Welding PN40
(Slip-on Flange And Plain Collar)**



DN	d1		D	d6	b	k	e	No. of holes	d2	KG
	ISO	DIN								
10	-	14	90	16	16	60	5	4	14	0.7
	17.2	-	90	19	16	60	5	4	14	0.69
15	-	20	95	22	16	65	5	4	14	0.77
	21.3	-	95	24	16	65	5	4	14	0.76
20	-	25	105	28	16	75	5	4	14	0.93
	26.9	-	105	30	16	75	5	4	14	0.92
25	-	30	115	33	18	85	6	4	14	1.26
	33.7	-	115	36	18	85	6	4	14	1.24
32	-	38	140	42	18	100	6	4	18	1.84
	42.4	-	140	46	18	100	6	4	18	1.8
40	-	44.5	150	50	18	110	6	4	18	2.08
	48.3	-	150	54	18	110	6	4	18	2.03
50	-	57	165	62	20	125	6	4	18	2.72
	60.3	-	165	65	20	125	6	4	18	2.68
65	76.1	-	165	81	20	145	6	8	18	3.09
80	88.9	-	200	94	22	160	6	8	18	3.88
100	-	108	235	113	22	190	6	8	22	5.23
	114.3	-	235	119	22	190	6	8	22	5.04
125	-	133	270	138	24	220	6	8	26	7.17
	139.7	-	270	145	24	220	6	8	26	6.88
150	-	159	300	164	24	250	6	8	26	8.54
	168.3	-	300	173	24	250	6	8	26	8.09
200	219.1	-	375	225	30	320	8	12	30	14.65
250	-	267	450	273	36	385	8	12	33	25.5
	273	-	450	279	36	385	8	12	33	24.77
300	323.9	-	515	329	40	450	8	16	33	34.42
350	355.8	-	580	362	46	510	8	16	36	52.36
	-	363	580	374	46	510	8	16	36	49.85
400	406.4	-	660	413	50	585	8	16	39	74.2
	-	419	660	426	50	585	8	16	39	70.84



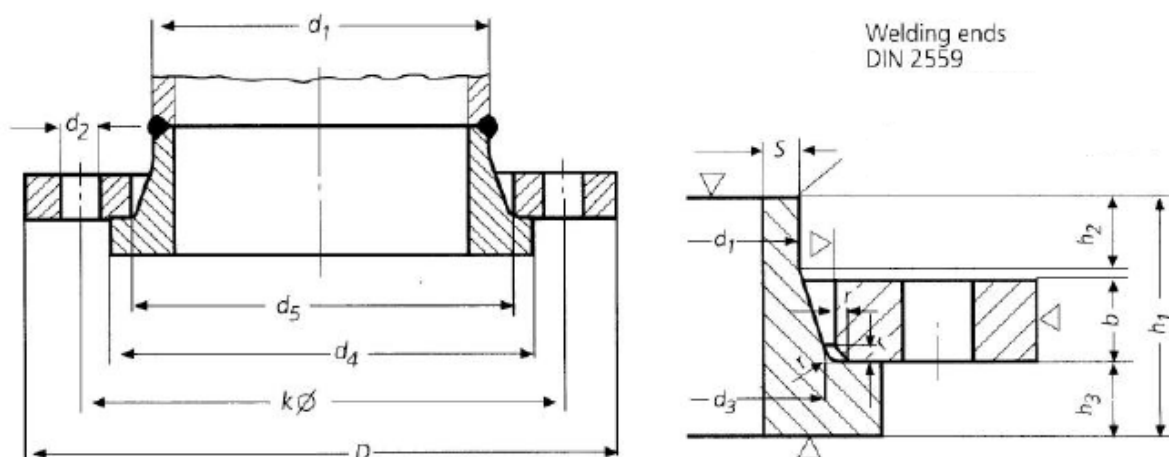
DIN 2673 Loose Flange And Ring With Neck For Welding PN10



DN	d1	D	d5	b	k	No. of holes	Thread		d2	d4	h1	h3	d3	S	r	h2	KG Flange	KG Ring
10	14	90	25	14	60	4	M12	1/2"	14	40	35	10	22	1.8	2	6	0,566	0,117
	17,2	90	28	14	60	4	M12	1/2"	14	40	35	10	25	1.8	2	6	-	-
15	20	95	32	14	65	4	M12	1/2"	14	45	35	10	28	2	2	6	0,622	0,151
	21,3	95	34	14	65	4	M12	1/2"	14	45	35	10	30	2	2	6	-	-
20	25	105	38	14	75	4	M12	1/2"	14	58	40	12	35	2.3	2	6	0,747	0,273
	26,9	105	40	14	75	4	M12	1/2"	14	58	40	12	37	2.3	2	6	-	-
25	30	115	45	16	85	4	M12	1/2"	14	68	40	12	40	2.6	2	6	1,01	0,372
	33,7	115	48	16	85	4	M12	1/2"	14	68	40	12	43	2.6	2	6	-	-
32	38	140	55	16	100	4	M16	5/8"	18	78	40	12	50	2.6	2	6	1,5	0,485
	42,4	140	60	16	100	4	M16	5/8"	18	78	40	12	54	2.6	2	6	-	-
40	44,5	150	62	16	110	4	M16	5/8"	18	88	40	12	58	2.6	2	7	1,71	0,61
	48,3	150	66	16	110	4	M16	5/8"	18	88	40	12	62	2.6	2	7	-	-
50	57	165	75	16	125	4	M16	5/8"	18	102	45	14	70	2.9	2	8	2	0,888
	60,3	165	78	16	125	4	M16	5/8"	18	102	45	14	73	2.9	2	8	-	-
65	76,1	185	92	16	145	4	M16	5/8"	18	122	45	14	88	2.9	2	10	2,41	1,13
80	88,9	200	108	18	160	4	M16	5/8"	18	138	50	16	102	3.2	2	10	3	1,6
100	108	220	128	18	180	8	M16	5/8"	18	158	50	16	122	3.6	2	12	3,26	2,01
	114,3	220	135	18	180	8	M16	5/8"	18	158	50	16	128	3.6	2	12	-	-
125	133	250	152	18	210	8	M16	5/8"	18	188	50	18	148	4	3	12	4,07	2,86
	139,7	250	158	18	210	8	M16	5/8"	18	188	50	18	154	4	3	12	-	-
150	159	285	178	18	240	8	M20	3/4"	22	212	50	18	172	4.5	3	12	5,05	3,26
	168,3	285	188	18	240	8	M20	3/4"	22	212	50	18	181	4.5	3	12	-	-
200	216	340	235	20	295	8	M20	3/4"	22	268	55	20	230	5.9	3	16	6,7	5,13
	219,1	340	238	20	295	8	M20	3/4"	22	268	60	20	233	5.9	3	16	-	-
250	267	395	288	22	350	12	M20	3/4"	22	320	60	22	282	6.3	3	16	9,09	7,18
	273	395	294	22	350	12	M20	3/4"	22	320	60	22	288	6.3	3	16	-	-



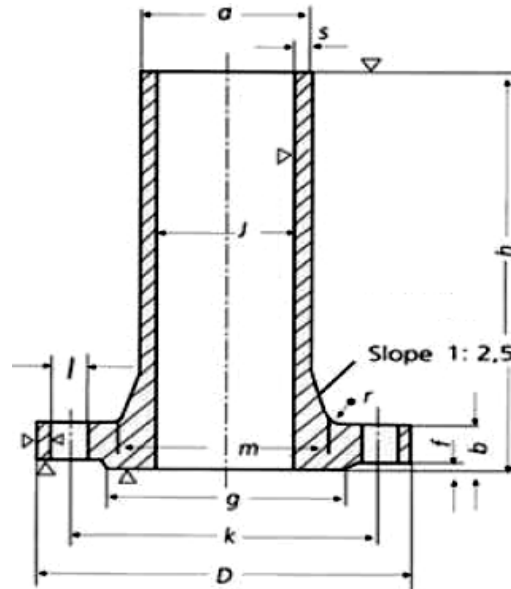
DIN 2673 Loose Flange And Ring With Neck For Welding PN10



DN	d1	D	d5	b	k	No. of holes	Thread		d2	d4	h1	h3	d3	S	r	h2	KG Flange	KG Ring
300	318	445	338	26	400	12	M20	3/4"	22	370	60	22	332	7.1	3	16	12,5	8,5
	323.9	445	344	26	400	12	M20	3/4"	22	370	60	22	338	7.1	3	16	-	-
350	355,6	505	376	28	460	16	M20	3/4"	22	430	60	22	370	7.1	4	16	16,6	10,9
	368	505	388	28	460	16	M20	3/4"	22	430	60	22	382	7.1	4	16	-	-
400	406,4	565	430	32	515	16	M24	7/8"	26	482	65	24	426	7.1	4	16	22,4	14,2
	419	565	442	32	515	16	M24	7/8"	26	482	65	24	438	7.1	4	16	-	-
450	457	615	490	34	565	20	M24	7/8"	26	532	70	26	485	7.1	4	16	28,1	16,3
500	508	670	533	38	620	20	M24	7/8"	26	585	70	26	528	7.1	4	16	-	-
	521	670	545	38	620	20	M24	7/8"	26	585	70	26	540	7.1	4	16	32,5	19,4
600	609,6	780	633	44	725	20	M27	1"	30	685	80	26	628	7.1	4	18	-	-
	622	780	645	44	725	20	M27	1"	30	685	80	26	640	7.1	4	18	47,2	24,1
700	711,2	895	740	50	840	24	M27	1"	30	800	85	28	735	8	5	18	-	-
	720	895	748	50	840	24	M27	1"	30	800	85	28	742	8	5	18	67,6	34,4
800	812.8	1015	843	56	950	24	M30	1-1/8"	33	905	90	30	838	8	5	18	-	-
	820	1015	850	56	950	24	M30	1-1/8"	33	905	90	30	845	8	5	18	97	44,1
900	914,4	1115	947	62	1050	28	M30	1-1/8"	33	1005	95	32	940	10	5	20	-	-
	920	1115	952	62	1050	28	M30	1-1/8"	33	1005	95	32	945	10	5	20	117	54,1
1000	1016	1230	1050	68	1160	28	M33	1-1/4"	36	1110	100	34	1044	10	5	20	-	-
	1020	1230	1055	68	1160	28	M33	1-1/4"	36	1110	100	34	1048	10	5	20	152	69,2
1200	1220	1455	1260	80	1380	32	M36	1-3/8"	39	1330	110	38	1250	11	5	25	235	111



DIN 28115 Long Neck Welding Flange PN10 and PN25



PN10

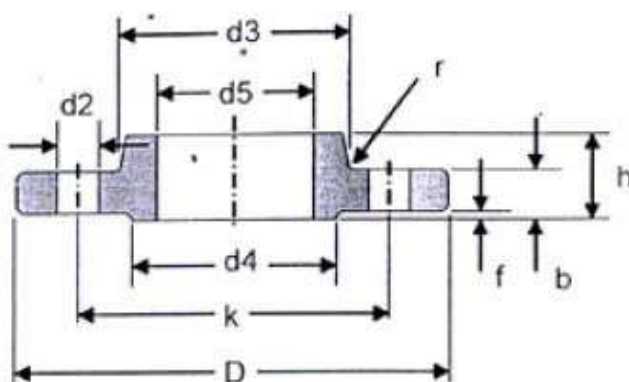
DN	Service Pressure	a	s	D	j	b	h	m	r	g	f	k	No. of holes	l	Thread	KG
25	8 Kg/cm ² 200 °C	38	7	115	24	16	120	50	8	68	2	85	4	14	M12(1/2")	1,7
32		51	8	140	35	16	120	62	8	78	2	100	4	18	M16(5/8")	2,8
40		57	8	150	41	16	120	70	8	88	3	110	4	18	M16(5/8")	3,2
50		70	8	165	54	18	120	85	8	102	3	125	4	18	M16(5/8")	4,2
65		89	8	185	73	18	170	104	8	122	3	145	4	18	M16(5/8")	6,8
80		102	8	200	86	20	170	118	8	138	3	160	4	18	M16(5/8")	7,8
100		121	10	220	101	20	170	138	8	158	3	180	8	18	M16(5/8")	9,7
125		146	10	250	126	22	170	164	10	188	3	210	8	18	M16(5/8")	11,6
150		171	10	285	151	22	170	188	10	212	3	240	8	23	M20(3/4")	14
200		224	10	340	204	22	170	246	10	268	3	295	8	23	M20(3/4")	20,4

PN25

DN	Nominal Pressure Kg/cm ²			Service Pressure to 200 °C	a	s	D	j	b	h	m	r	g	f	k	No. of holes	l	Thread	KG
25	16	25	40	32	38	7	115	24	18	120	50	8	68	2	85	4	14	M12(1/2")	1.9
32	16	25	40	32	51	8	140	35	18	120	62	8	78	2	100	4	18	M16(5/8")	3.0
40	16	25	40	32	57	8	150	41	18	120	70	8	88	3	110	4	18	M16(5/8")	3.2
50	16	25	40	32	70	8	165	54	20	120	85	8	102	3	125	4	18	M16(5/8")	4.5
65	16	.	.	13	89	8	185	73	22	170	104	8	122	3	145	4	18	M16(5/8")	7.5
	.	25	40	32	89	8	185	73	22	170	104	8	122	3	145	8	18	M16(5/8")	7.3
80	16	.	.	13	102	8	200	86	24	170	118	8	138	3	160	8	18	M16(5/8")	8.4
	.	25	40	32	102	8	200	86	24	170	118	8	138	3	160	8	18	M16(5/8")	8.4
100	16	.	.	13	121	10	220	101	24	170	138	8	158	3	180	8	18	M16(5/8")	9.8
125	16	.	.	13	146	10	250	126	26	170	164	10	188	3	210	8	18	M16(5/8")	12.6
150	16	.	.	13	171	10	285	151	28	170	188	10	212	3	240	8	23	M20(3/4")	15.8
200	16	.	.	13	224	10	340	204	34	170	246	10	268	3	295	12	23	M20(3/4")	24.2



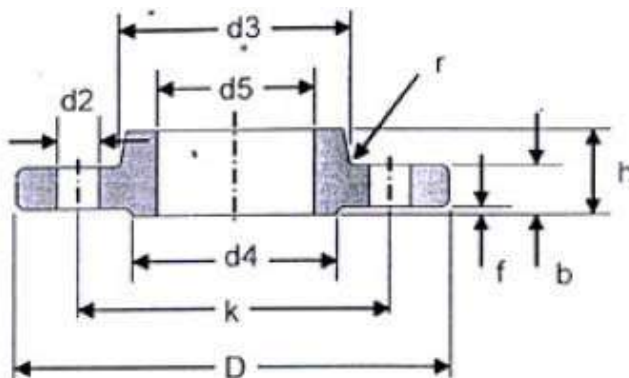
DIN 86029 Hubbed Slip-on Flange For Welding PN10



DN	d1	D	d5	b	k	h	d3	r	d4	f	No. of holes	d2	KG
10	17.2	90	17.7	14	60	20	30	4	40	2	4	14	0.56
15	21.3	95	22	14	65	20	35	4	45	2	4	14	0.62
20	26.9	105	27.6	16	75	24	45	4	58	2	4	14	0.91
25	33.7	115	34.4	16	85	24	52	5	68	2	4	14	1.09
32	42.4	140	43.1	16	100	26	60	5	78	2	4	18	1.58
40	48.3	150	49	16	110	26	70	5	88	3	4	18	1.76
50	60.3	165	61.1	18	125	28	85	5	102	3	4	18	2.39
65	76.1	185	77.1	18	145	32	105	5	122	3	4	18	3.1
80	88.9	200	90.3	20	160	34	118	5	138	3	8	18	3.77
100	114.3	220	115.9	20	180	38	140	5	158	3	8	18	4.29
125	139.7	250	141.6	22	210	40	168	5	188	3	8	18	5.86
150	168.3	285	170.5	22	240	44	196	5	212	3	8	22	7.22
175	193.7	315	196.1	24	270	44	224	6	242	3	8	22	9.18
200	219.4	340	222	24	295	44	247	6	268	3	8	22	9.95
250	273	395	276	26	350	46	300	6	320	3	12	22	12.69
300	323.9	445	327	26	400	46	352	6	370	4	12	22	14.4
350	355.6	505	359	26	460	53	398	10	430	4	16	22	22.36
400	406.4	565	410	26	515	57	448	10	482	4	16	26	26.85
450	457	615	461	28	565	62	502	10	532	4	20	26	32.53
500	508	670	512	28	620	67	552	10	585	4	20	26	37.84
600	610	780	614	28	725	75	658	10	685	5	20	30	49.32
700	711	895	716	30	840	77	760	10	800	5	24	30	63.86
800	813	1015	818	32	950	84	864	10	905	5	24	33	85.19
900	914	1115	920	34	1050	88	969	10	1005	5	28	33	101.36
1000	1016	1230	1022	34	1160	92	1071	10	1110	5	28	36	119.72



DIN 86030 Hubbed Slip-on Flange For Welding PN16



DN	d1	D	d5	b	k	h	d3	r	d4	f	No. of holes	d2	KG
10	17.2	90	17.7	14	60	20	30	4	40	2	4	14	0.56
15	21.3	95	22	14	65	20	35	4	45	2	4	14	0.62
20	26.9	105	27.6	16	75	24	45	4	58	2	4	14	0.91
25	33.7	115	34.4	16	85	24	52	5	68	2	4	14	1.09
32	42.4	140	43.1	16	100	26	60	5	78	2	4	18	1.58
40	48.3	150	49	16	110	26	70	5	88	3	4	18	1.76
50	60.3	165	61.1	18	125	28	85	5	102	3	4	18	2.39
65	76.1	185	77.1	18	145	32	105	5	122	3	4	18	3.1
80	88.9	200	90.3	20	160	34	118	5	138	3	8	18	3.77
100	114.3	220	115.9	20	180	38	140	5	158	3	8	18	4.29
125	139.7	250	141.6	22	210	40	168	5	188	3	8	18	5.86
150	168.3	285	170.5	22	240	44	196	5	212	3	8	22	7.22
175	193.7	315	196.1	24	270	44	224	6	242	3	8	22	9.18
200	219.4	340	222	24	295	44	247	6	268	3	12	22	9.7
250	273	405	276	26	355	46	300	6	320	3	12	26	13.5
300	323.9	460	327	28	410	46	355	6	378	4	12	26	17.29
350	355.6	520	359	30	470	57	400	10	438	4	16	26	27.68
400	406.4	580	410	32	525	63	457	10	490	4	16	30	36.13
450	457	640	461	34	585	68	505	10	550	4	20	30	44.25
500	508	715	512	34	650	73	559	10	610	4	20	33	56.88
600	610	840	614	36	770	83	664	10	725	5	20	36	80.95
700	711	910	716	36	840	83	760	10	795	5	24	36	76.84
800	813	1025	818	38	950	90	864	10	900	5	24	39	99.34
900	914	1125	920	40	1050	94	969	10	1000	5	28	39	116.63
1000	1016	1255	1022	42	1170	100	1073	10	1115	5	28	42	154.09



UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

JIS Flanges





UNIFIT METALLOYS INC
AN ISO 9001 : 2008 CERTIFIED COMPANY

JIS Flanges



BLIND FLANGE



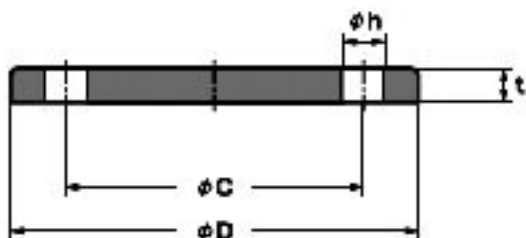
PLATE FLANGE



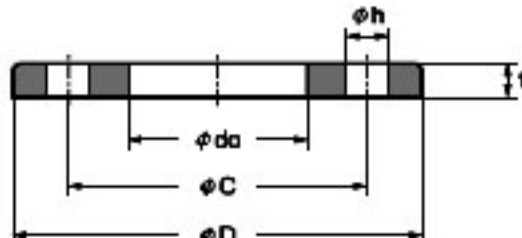
SLIP-ON FLANGE



JIS Flanges 2 kg/cm²



Blind



Slip-On

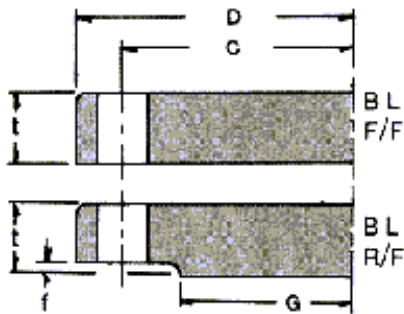
Pipe		Pipe	D	do	t	C	Holes	ψh
inch	mm							
18	450	457.2	605	460	22	555	16	23
20	500	508.0	655	511	22	605	20	23
22	550	558.0	720	562	24	665	20	25
24	600	609.6	770	613	24	715	20	25
26	650	660.4	825	664	24	770	24	25
28	700	711.2	875	715	24	820	24	25
30	750	762.0	945	766	24	880	24	27
32	800	812.8	995	817	24	930	24	27
34	850	863.6	1045	868	24	980	24	27
36	900	914.4	1095	919	24	1030	24	27
40	1000	1016.0	1195	1021	26	1130	28	27
44	1100	1117.6	1305	1122	26	1240	28	27
48	1200	1219.2	1420	1224	26	1350	32	27
54	1350	1371.6	1575	1376	26	1505	32	27
60	1500	1524.0	1730	1529	28	1660	36	27



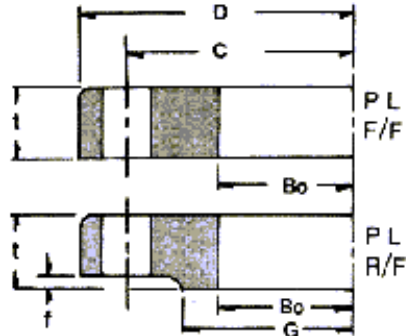
UNIFIT METALLOYS INC

AN ISO 9001 : 2008 CERTIFIED COMPANY

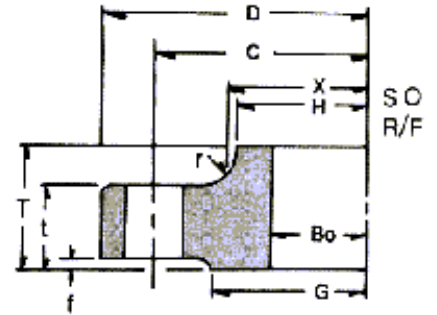
JIS Flanges 5 kg/cm²



Blind



Plate

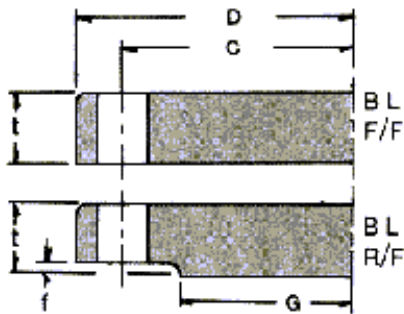


Slip-On

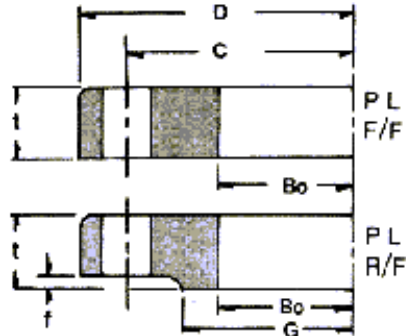
Pipe	Pipe	Bo	D	t	T	G	f	r	H	X	C	Holes	Bolt Dia.
inch	mm												
3/8	10	17.3	17.8	75	9	42	1	-	-	-	55	4	12
1/2	15	21.7	22.2	80	9	48	1	-	-	-	60	4	12
3/4	20	27.2	27.7	85	10	52	1	-	-	-	65	4	12
1	25	34.0	34.5	95	10	62	1	-	-	-	75	4	12
1-1/4	32	42.7	43.2	115	12	72	2	-	-	-	90	4	15
1-1/2	40	48.6	49.1	120	12	78	2	-	-	-	95	4	15
2	50	60.5	61.1	130	14	88	2	-	-	-	105	4	15
2-1/2	65	76.3	77.1	155	14	112	2	-	-	-	130	4	15
3	80	89.1	90.0	180	14	125	2	-	-	-	145	4	19
3-1/2	90	101.6	102.6	190	14	135	2	-	-	-	155	4	19
4	100	114.3	115.4	200	16	145	2	-	-	-	165	8	19
5	125	139.8	141.2	235	16	180	2	-	-	+2.0 -0	200	8	19
6	150	165.2	166.6	265	18	210	2	-	-	-	230	8	19
7	175	190.7	192.1	300	18	235	2	-	-	-	260	8	23
8	200	216.3	218.0	320	20	255	2	-	-	-	280	8	23
9	225	241.8	243.7	345	20	280	2	-	-	-	305	12	23
10	250	267.4	269.5	385	22	320	2	5	286	+2.0 -0	290	12	23
12	300	318.5	321.0	430	22	365	3	5	338	-	342	12	23
14	350	355.6	358.1	480	24	405	3	5	378	-	382	12	25
16	400	406.4	409.0	540	24	465	3	5	432	-	436	16	25
18	450	457.2	460.0	605	24	525	3	5	495	-	500	16	25
20	500	508.0	511.0	655	24	575	3	5	546	+2.5 -0	552	20	25
22	550	558.8	562.0	720	26	630	3	5	597	-	603	20	27
24	600	609.6	613.0	770	26	680	3	5	648	+2.5 -0	654	20	27
26	650	660.4	664.0	825	26	735	3	5	702	-	708	24	27
28	700	711.2	715.0	875	26	785	3	5	751	+3.0 -0	758	24	27
30	750	762.0	766.0	945	28	840	3	5	802	-	810	24	33
32	800	812.8	817.0	995	28	890	3	5	854	+3.0 -0	862	24	33
34	850	863.6	868.0	1045	28	940	3	5	904	-	912	24	33
36	900	914.4	919.0	1095	30	990	3	5	956	+3.5 -0	964	24	33
40	1000	1016.0	1021.0	1195	32	1090	3	5	1058	-	1066	28	33
44	1100	1117.6	1123.0	1305	32	1200	3	-	-	+3.5 -0	-	28	33
48	1200	1219.2	1224.0	1420	34	1305	3	-	-	-	1350	32	33
54	1350	1371.6	1377.0	1575	34	1460	3	-	-	-	1505	32	33
60	1500	1524.0	1529.0	1730	36	1615	3	-	-	-	1660	36	33



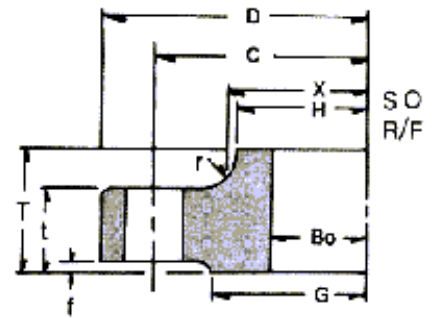
JIS Flanges 10 kg/cm²



Blind



Plate



Slip-On

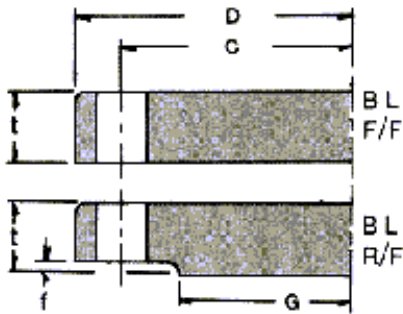
Pipe	Pipe	Bo		D	t	T	G	f	r	H	X	C	Holes	Bolt Dia.
inch	mm													
3/8	10	17.3	17.8	90	12	-	48	1	-	-	-	65	4	15
1/2	15	21.7	22.2	95	12	-	52	1	-	-	-	70	4	15
3/4	20	27.2	27.7	100	14	-	58	1	-	-	-	75	4	15
1	25	34.0	34.5	125	14	-	70	1	-	-	-	90	4	19
1-1/4	32	42.7	43.2	135	16	-	80	2	-	-	-	100	4	19
1-1/2	40	48.6	49.1	140	16	+1.0	85	2	-	-	-	105	4	19
2	50	60.5	61.1	155	16	-	100	2	-	-	-	120	4	19
2-1/2	65	76.3	77.1	175	18	-	120	2	-	-	-	140	4	19
3	80	89.1	90.0	185	18	-	130	2	-	-	-	150	8	19
3-1/2	90	101.6	102.6	195	18	-	140	2	-	-	+1.5	160	8	19
4	100	114.3	115.4	210	18	-	155	2	-	-	-	175	8	19
5	125	139.8	141.2	250	20	-	185	2	-	-	-	210	8	23
6	150	165.2	166.6	280	22	-	215	2	-	-	-	240	8	23
7	175	190.7	192.1	305	22	32	240	2	6	208	212	265	12	23
8	200	216.3	218.0	330	22	32	265	2	6	234	238	290	12	23
9	225	241.8	243.7	350	22	34	285	2	6	260	264	310	12	23
10	250	267.4	269.5	400	24	36	325	2	6	288	292	355	12	25
12	300	318.5	321.0	445	24	38	370	3	6	340	346	400	16	25
14	350	355.6	358.1	490	26	42	415	3	6	380	386	445	16	25
16	400	406.4	409.0	560	28	44	475	3	6	436	442	510	16	27
18	450	457.2	460.0	620	30	48	530	3	6	496	502	565	20	27
20	500	508.0	511.0	675	30	48	585	3	6	548	554	620	20	27
22	550	558.8	562.0	745	32	52	640	3	6	604	610	680	20	33
24	600	609.6	613.0	795	32	52	690	3	6	656	662	730	24	33
26	650	660.4	664.0	845	34	56	740	3	6	706	712	780	24	33
28	700	711.2	715.0	905	34	58	800	3	6	762	770	840	24	33
30	750	762.0	766.0	970	36	62	855	3	6	816	824	900	24	33
32	800	812.8	817.0	1020	36	64	905	3	6	868	876	950	28	33
34	850	863.6	868.0	1070	36	66	955	3	6	920	928	1000	28	33
36	900	914.4	919.0	1120	38	70	1005	3	6	971	979	1050	28	33
40	1000	1016.0	1021.0	1235	40	74	1110	3	6	1073	1081	1160	28	39
44	1100	1117.6	1123.0	1345	42	78	1220	3	8	1175	1185	1270	28	39
48	1200	1219.2	1224.0	1465	44	82	1325	3	8	1278	1290	1380	32	39
54	1350	1371.6	1377.0	1630	48	88	1480	3	8	1432	1450	1540	36	45
60	1500	1524.0	1529.0	1795	50	90	1635	3	8	1585	1600	1700	40	45



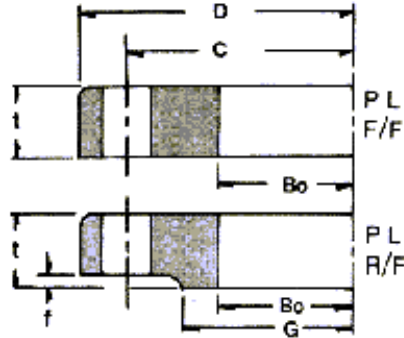
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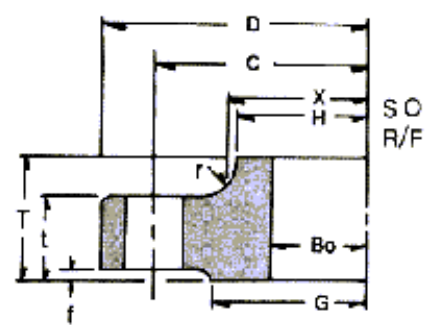
JIS Flanges 16 kg/cm²



Blind



Plate



Slip-On

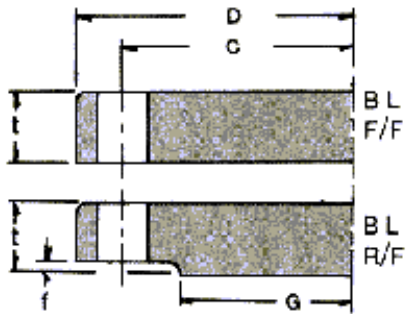
Pipe		Pipe	Bo	D		t		T		G	f	r	H	X		C	Holes	Bolt Dia.					
inch	mm																						
3/8	10	17.3	17.8	+0.5 -0	90	+1.0 -0	12	+1.0 -0	16	±0.8	48	±0.8	1	4	26	+1.0 -0	28	+1.0 -0	65	±0.5	4	15	
1/2	15	21.7	22.2		95		12		16		52		1	4	30		32		70		4	15	
3/4	20	27.2	27.7		100		14		20		58		1	4	38		42		75		4	15	
1	25	34.0	34.5		125		14		20		70		1	4	46		50		90		4	19	
1-1/4	32	42.7	43.2		135		16		22		80		2	5	56		60		100		4	19	
1-1/2	40	48.6	49.1	+1.0 -0	140	+1.0 -0	16	±1.0	24	±1.0	85	±1.0	2	5	62	+1.0 -0	66	+1.0 -0	105	±0.5	4	19	
2	50	60.5	61.1		155		16		24		100		2	5	76		80		120		8	19	
2-1/2	65	76.3	77.1		175		18		26		120		2	5	94		98		140		8	19	
3	80	89.1	90.0		200		20		28		135		2	6	108		112		160		8	23	
3-1/2	90	101.6	102.6		210		20		30		145		2	6	120		124		170		8	23	
4	100	114.3	115.4	+1.0 -0	225	+1.5 -0	22	+1.5 -0	34	±0.9	160	±0.9	2	6	134	+1.5 -0	138	+1.5 -0	185	±0.6	8	23	
5	125	139.8	141.2		270		22		34		195		2	6	164		170		225		8	25	
6	150	165.2	166.6		305		24		38		230		2	6	196		202		260		±0.6	12	25
7	175	190.7	192.1		325		26		40		250		2	6	216		222		280			12	25
8	200	216.3	218.0		350		26		40		275		2	6	244		252		305			12	25
9	225	241.8	243.7	+1.5 -0	385	+1.5 -0	26	±0.9	40	±0.9	325	±0.9	2	6	266	+1.5 -0	272	+1.5 -0	335	±0.6	12	27	
10	250	267.4	269.5		430		28		44		345		2	6	304		312		380		12	27	
12	300	318.5	321.0		480		30		48		395		3	8	354		364		430		16	27	
14	350	355.6	358.1		540		34		52		440		3	8	398		408		480		16	33	
16	400	406.4	409.0		605		38		60		495		3	10	446		456		540		16	33	
18	450	457.2	460.0	+1.5 -0	675	+2.0 -0	40	±1.5	64	±1.0	560	±1.0	3	10	504	+2.0 -0	514	+2.0 -0	605	±0.8	20	33	
20	500	508.0	511.0		730		42		68		615		3	10	558		568		660		20	33	
22	550	558.8	562.0		795		44		70		670		3	10	612		622		720		20	39	
24	600	609.6	613.0		845		46		74		720		3	10	666		676		770		24	39	
26	650	660.4	664.0		895		48		77		770		5	10	704		726		820		24	39	
28	700	711.2	715.0	+2.0 -0	960	+2.5 -0	50	±1.5	80	±1.0	820	±1.0	5	10	754	+2.5 -0	776	+2.5 -0	875	±1.0	24	42	
30	750	762.0	766.0		1020		52		83		880		5	10	806		832		935		24	42	
32	800	812.8	817.0		1085		54		86		930		5	10	865		885		990		±1.0	24	48
34	850	863.6	868.0		1135		56		89		980		5	10	916		936		1040			24	48
36	900	914.4	919.0		1185		58		93		1030		5	10	968		986		1090			28	48
40	1000	1016.0	1021.0	+3.0 -0	1320	+2.0 -0	62	±2.0	99	±1.2	1140	±1.2	5	12	1070	+3.5 -0	1098	+3.5 -0	1210	±1.5	28	56	
44	1100	1117.6	1123.0		1420		66		105		1240		5	12	1180		1200		1310		32	56	
48	1200	1219.2	1225.0		1530		70		112		1350		5	12	1282		1302		1420		32	56	
52	1300	1320.8	1326.0		1645		74		-		1450		5	-	-		-		1530		32	62	
54	1350	1371.6	1377.0		1700		76		-		1510		5	-	-		-		1590		32	62	
56	1400	1422.4	1428.0	+3.0 -0	1755	+3.0 -0	78	±2.0	-	±1.2	1560	±1.2	5	-	-	+3.5 -0	-	+3.5 -0	1640	±1.5	36	62	
60	1500	1524.0	1529.0		1865		80		-		1670		5	-	-		-		1750		36	62	



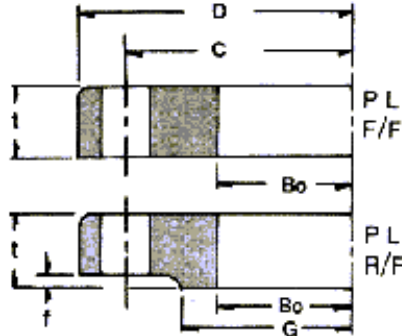
UNIFIT METALLOYS INC

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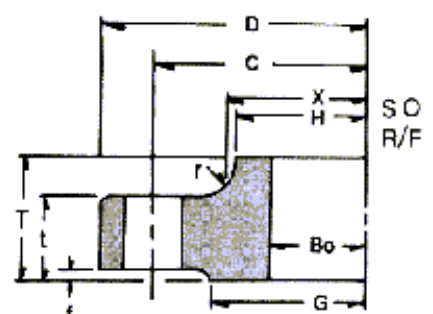
JIS Flanges 20 kg/cm²



Blind



Plate

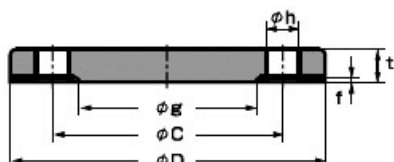


Slip-On

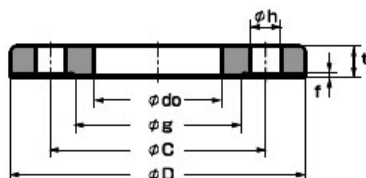
Pipe		Pipe	Bo	D		t		T		G	f	r	H	X		C	Holes	Bolt Dia.				
inch	mm																					
3/8	10	17.3	17.8	+0.5 -0	90	+1.0 -0	14	+1.0 -0	20	±0.8	48	±1.0 -0	1	4	30	+1.0 -0	32	+1.0 -0	65	±0.5	4	15
1/2	15	21.7	22.2		95		14		20		52		1	4	34		36		70		4	15
3/4	20	27.2	27.7		100		16		22		58		1	4	40		42		75		4	15
1	25	34.0	34.5		125		16		24		70		1	4	48		50		90		4	19
1-1/4	32	42.7	43.2	+1.0 -0	135	+1.0 -0	18	+1.0 -0	26	±1.0	80	+1.0 -0	2	5	56	+1.0 -0	60	+1.0 -0	100	±0.5	4	19
1-1/2	40	48.6	49.1		140		18		26		85		2	5	62		66		105		4	19
2	50	60.5	61.1		155		18		26		100		2	5	76		80		120		8	19
2-1/2	65	76.3	77.1		175		20		30		120		2	5	100		104		140		8	19
3	80	89.1	90.0	+1.0 -0	200	+1.0 -0	22	+1.0 -0	34	±1.0	135	+1.0 -0	2	6	113	+1.0 -0	117	+1.0 -0	160	±0.6	8	23
3-1/2	90	101.6	102.6		210		24		36		145		2	6	126		130		170		8	23
4	100	114.3	115.4		225		24		36		160		2	6	138		142		185		8	23
5	125	139.8	141.2		270		26		40		195		2	6	166		172		225		8	25
6	150	165.2	166.6	+1.0 -0	305	+1.5 -0	28	+1.5 -0	42	±0.9	230	+1.5 -0	2	6	196	+1.5 -0	202	+1.5 -0	260	±0.8	12	25
7	175	190.7	192.1		325		30		46		250		2	6	218		226		280		12	25
8	200	216.3	218.0		350		30		46		275		2	6	244		252		305		12	25
9	225	241.8	243.7		385		32		48		300		2	6	266		274		335		12	27
10	250	267.4	269.5	+1.5 -0	430	+1.5 -0	34	+1.5 -0	52	±0.9	345	+1.5 -0	2	6	304	+1.5 -0	312	+1.5 -0	380	±0.6	12	27
12	300	318.5	321.0		480		36		56		395		3	8	354		364		430		16	27
14	350	355.6	358.1		540		40		62		440		3	8	398		408		480		16	33
16	400	406.4	409.0		605		46		70		495		3	10	446		456		540		16	33
18	450	457.2	460.0	+1.5 -0	675	+2.0 -0	48	+2.0 -0	78	±1.5	560	+2.0 -0	3	10	504	+2.0 -0	514	+2.0 -0	605	±0.8	20	33
20	500	508.0	511.0		730		50		84		615		3	10	558		568		660		20	33
22	550	558.8	562.0		795		52		90		670		3	10	612		622		720		20	39
24	600	609.6	613.0		845		54		96		720		3	10	666		676		770		24	39
26	650	660.4	664.0	+2.0 -0	945	+2.0 -0	60	+2.0 -0	-	±1.0	790	+2.5 -0	5	-	-	+2.5 -0	-	+2.5 -0	850	±1.0	24	48
28	700	711.2	715.0		995		64		-		840		5	-	-		-		900		24	48
30	750	762.0	766.0		1080		68		-		900		5	-	-		-		970		24	56
32	800	812.8	817.0		1140		72		-		960		5	-	-		-		1030		24	56
34	850	863.6	868.0	+2.5 -0	1200	+2.5 -0	74	+2.5 -0	-	±1.2	1020	+2.5 -0	5	-	-	+2.5 -0	-	+2.5 -0	1090	±1.0	24	56
36	900	914.4	919.0		1250		76		-		1070		5	-	-		-		1140		28	56



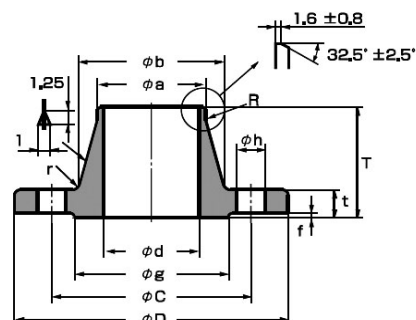
JIS Flanges 30 kg/cm²



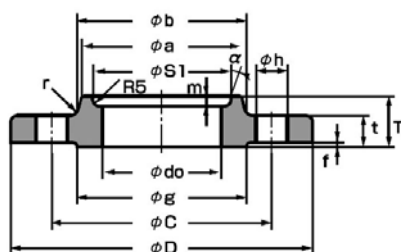
Blind



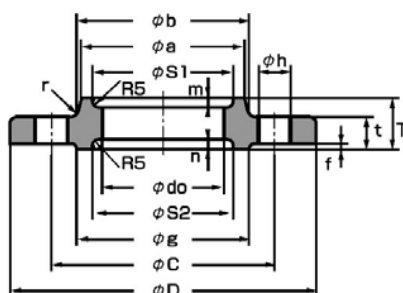
Plate



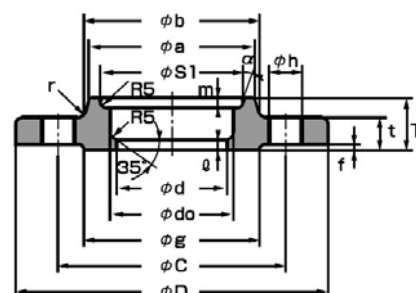
Weld Neck



Slip-On (Type A)



Slip-On (Type B)

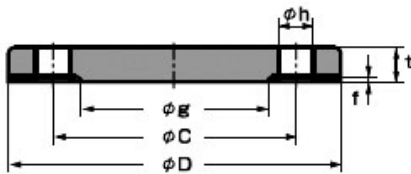


Slip-On (Type C)

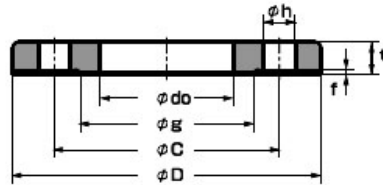
Pipe inch	Pipe Mm	Pipe D	t	f	g	C	Holes	h	Plate · Slip-On					Weld Neck							Slip-On Type A · B · C					
									do	T	a	b	r	d	d	a	b	T	R	r	S1	m	S2	n	a	l
3/8	10	17.3	110	16	1	52	75	4	19	17.8	24	30	34	4	-	-	-	-	-	-	27	4	27	4	-	-
1/2	15	21.7	115	18	1	55	80	4	19	22.2	26	36	40	5	-	16.1	21.7	40	45	20	31	4	40	5	-	-
3/4	20	27.2	120	18	1	60	85	4	19	27.7	28	42	46	5	-	21.4	27.2	44	45	20	37	5	44	5	-	-
1	25	34.0	130	20	1	70	95	4	19	34.5	30	50	54	5	-	27.2	34.0	52	48	20	44	6	52	5	-	-
1-1/4	32	42.7	140	22	2	80	105	4	19	43.2	32	60	64	6	-	35.5	42.7	62	52	30	52	6	60	5	-	-
1-1/2	40	48.6	160	22	2	90	120	4	23	49.1	34	66	70	6	-	41.2	48.6	70	54	30	58	6	66	5	-	-
2	50	60.5	165	22	2	105	130	8	19	61.1	36	82	86	6	-	52.7	60.5	84	57	30	70	6.5	78	5	-	-
2-1/2	65	76.3	200	26	2	130	160	8	23	77.1	40	102	106	8	65.9	65.9	76.3	104	69	30	96	9.5	-	-	20°	6
3	80	89.1	210	28	2	140	170	8	23	90.0	44	115	121	8	78.1	78.1	89.1	118	73	30	109	9.5	-	-	20°	6
3-1/2	90	101.6	230	30	2	150	185	8	25	102.6	46	128	134	8	90.2	90.2	101.6	130	74	30	122	9.5	-	-	20°	6
4	100	114.3	240	32	2	160	195	8	25	115.4	48	141	147	8	102.3	102.3	114.3	142	76	30	135	9.5	-	-	20°	6
5	125	139.8	275	36	2	195	230	8	25	141.2	54	166	172	8	126.6	126.6	139.8	172	86	50	160	9.5	-	-	20°	6
6	150	165.2	325	38	2	235	275	12	27	166.6	58	196	204	8	151.0	151.0	165.2	202	95	50	186	9.5	-	-	20°	6
8	200	216.3	370	42	2	280	320	12	27	218.0	64	248	256	8	199.9	199.9	216.3	254	102	50	237	9.5	-	-	20°	6
10	250	267.4	450	48	2	345	390	12	33	269.5	72	306	314	10	248.8	248.8	267.4	312	118	50	290	10	-	-	20°	6
12	300	318.5	515	52	3	405	450	16	33	321.0	78	360	370	10	297.9	297.9	318.5	366	127	50	345	12	-	-	30°	6
14	350	355.6	560	54	3	450	495	16	33	358.1	84	402	412	12	333.4	333.4	355.6	406	134	80	383	13	-	-	30°	6
16	400	406.4	630	60	3	510	560	16	39	409.0	92	456	468	15	381.0	381.0	406.4	462	149	80	435	14	-	-	30°	7



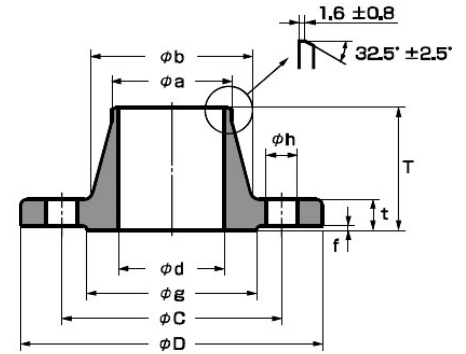
JIS Flanges 40 kg/cm²



Blind



Plate

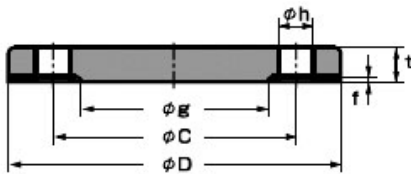


Weld Neck

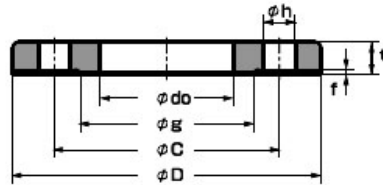
Pipe		Pipe	D	do	t	f	g	c	Holes	h	Weld Neck			
inch	mm										d	a	b	T
3/8	10	17.3	110	17.8	18	1	52	75	4	19	-	17.3	38	53
1/2	15	21.7	115	22.2	20	1	55	80	4	19	15.8	21.7	40	53
3/4	20	27.2	120	27.7	20	1	60	85	4	19	21.1	27.2	45	58
1	25	34.0	130	34.5	22	1	70	95	4	19	26.8	34.0	54	63
1-1/4	32	42.7	140	43.2	24	2	80	105	4	19	35.1	42.7	62	69
1-1/2	40	48.6	160	49.1	24	2	90	120	4	23	40.7	48.6	72	72
2	50	60.5	165	61.1	26	2	105	130	8	19	52.2	60.5	88	75
2-1/2	65	76.3	200	77.1	30	2	130	160	8	23	65.3	76.3	108	81
3	80	89.1	210	90.0	32	2	140	170	8	23	76.4	89.1	119	85
3-1/2	90	101.6	230	102.6	34	2	150	185	8	25	89.5	101.6	130	88
4	100	114.3	250	115.4	36	2	165	205	8	25	101.5	114.3	146	104
5	125	139.8	300	141.2	40	2	200	250	8	27	-	-	-	-
6	150	165.2	355	166.6	44	2	240	295	12	33	150.0	165.2	215	120
8	200	216.3	405	218.0	50	2	290	345	12	33	198.7	216.3	270	135
10	250	267.4	475	269.5	56	2	355	410	12	33	247.5	267.4	333	154
12	300	318.5	540	321.0	60	2	410	470	16	39	296.4	318.5	400	159
14	350	355.6	585	358.1	64	3	455	515	16	39	331.8	355.6	432	168
16	400	406.4	645	409.0	70	3	515	570	16	39	379.1	406.4	466	181



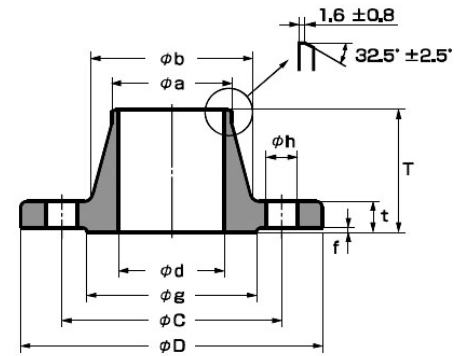
JIS Flanges 63 kg/cm²



Blind



Plate



Weld Neck

Pipe		Pipe	D	do	t	F	g	c	Holes	h	Weld Neck			
inch	mm										d	a	b	T
3/8	10	17.3	115	17.8	23	1	52	80	4	19	-	17.3	40	61
1/2	15	21.7	120	22.2	23	1	55	85	4	19	15.8	21.7	42	61
3/4	20	27.2	135	27.7	25	1	60	95	4	23	21.1	27.2	46	71
1	25	34.0	140	34.5	27	1	70	100	4	23	26.8	34.0	56	74
1-1/4	32	42.7	150	43.2	30	2	80	110	4	23	35.1	42.7	60	75
1-1/2	40	48.6	175	49.1	32	2	90	130	4	25	40.7	48.6	75	85
2	50	60.5	185	61.1	34	2	105	145	8	25	52.2	60.5	92	104
2-1/2	65	76.3	220	77.1	38	2	130	175	8	25	65.3	76.3	118	107
3	80	89.1	230	90.0	40	2	140	185	8	25	76.4	89.1	130	120
3-1/2	90	101.6	255	102.6	42	2	150	205	8	27	89.5	101.6	140	126
4	100	114.3	270	115.4	44	2	165	220	8	27	101.5	114.3	154	126
5	125	139.8	325	141.2	50	2	200	265	8	33	-	-	-	-
6	150	165.2	365	166.6	54	2	240	305	12	33	150.0	165.2	230	173
8	200	216.3	425	218.0	60	2	290	360	12	33	198.7	216.3	280	215
10	250	267.4	500	269.5	68	2	355	430	12	39	247.5	267.4	348	256
12	300	318.5	560	321.0	77	3	410	485	16	39	296.4	318.5	402	286
14	350	355.6	615	358.1	81	3	455	530	16	46	331.8	355.6	438	301
16	400	406.4	680	409.0	89	3	515	590	16	46	379.1	406.4	490	314