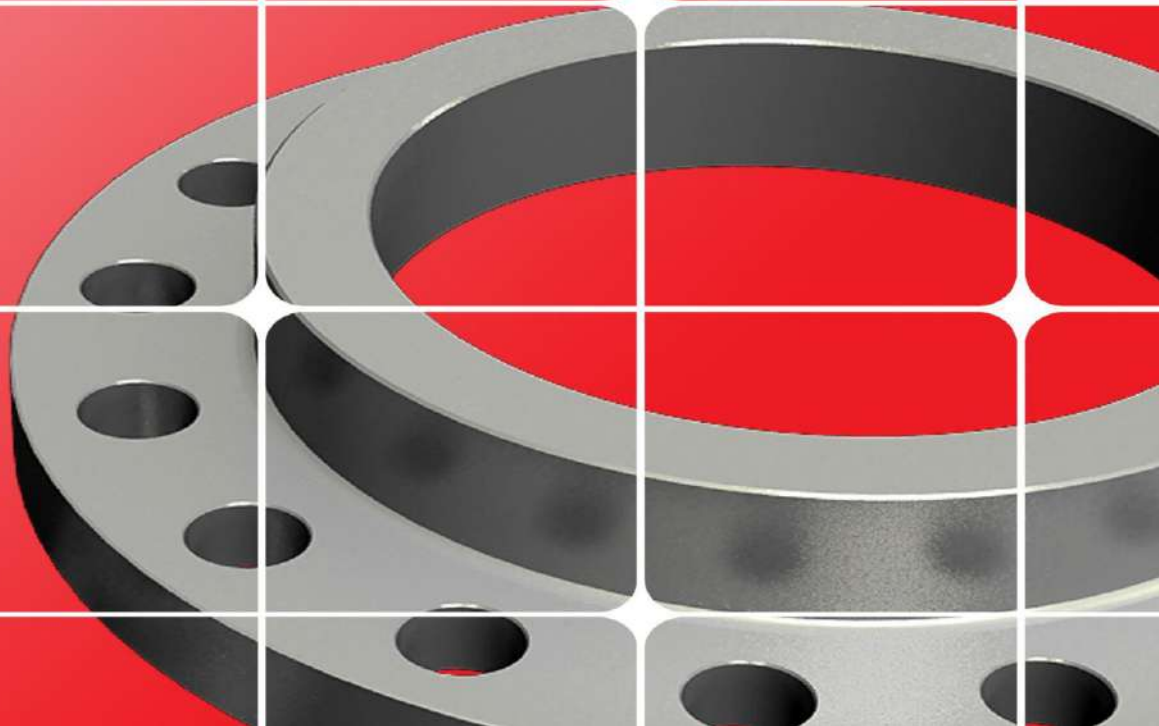


ASME / ANSI **B16.5** FLANGES

- **W**eld Neck Flanges
- **S**ocket Weld Flanges
- **T**hreaded Flanges
- **L**ap Joint Flanges
- **B**lind Flanges
- **S**lip On Flanges
- **R**aised Face Flange
- **F**lat Face Flange
- **R**ing Joint Flange
- **T**ongue And Groove Flange
- **M**ale And Female Flange
- **S**pectacle Blind Flanges
- **L**ong Weld Neck Flanges
- **S**pades & Ring Spacers
- **N**ipo Flange
- **W**eldo Flange
- **F**lange Outlet
- **B**leed Ring
- **R**educing Flanges
- **E**xpander Flanges
- **H**igh Hub Flanges
- **S**quare Flanges
- **P**addle Blind Flanges
- **S**wivel Ring Flange



ASME / ANSI B 16.5 Forged Flanges Specifications

Flange Types:	Weld Neck Flange, Slip On Flange, Socket Weld Flange, Blind Flange, Threaded Flange, Blind Flange
Connect Type/ Flange Face Type	Raised Face, Ring Type Joint, Flat Face, Large Male-Female, Lap-Joint Face, Small Male-Female, Small Tongue, Large Tongue & Groove, Groove
Special Flange Types:	Spectacle Blind Flanges, Long Weld Neck Flanges, Spades & Ring Spacers, Nipo Flange, Weldo Flange, Flange Outlet, Bleed Ring, Reducing Flanges, Expander Flanges, Orifice Flanges, High Hub Flanges, Square Flanges, Paddle Blind Flanges, Swivel Ring Flange
Dimension Standards:	ASME/ANSI B16.5
Pressure Class:	Class 150 LBS, 300 LBS, 600 LBS, 900 LBS, 1500 LBS, 2500 LBS / 6Bar, 10Bar, 16Bar, 25Bar, 40Bar / PN6, PN10, PN16, PN25, PN40, PN64
Sizes:	1/2" (15 NB) to 48" (1200NB) DN10~DN5000
Material	Carbon Steel, Stainless Steel, Alloy Steel, Nickle Alloy
Surface Treatment:	Anti-rust Paint, Oil Black Paint, Yellow Transparent, Zinc Plated, Cold and Hot Dip Galvanized
Finish	Stock Finish, Spiral Serrated, Concentric Serrated, Smooth Finish

Industry and Applications

ASME/ANSI has been defining piping safety since 1922. ASME B16. 5 Pipe Flanges and Flanged Fittings: NPS 1/2 through NPS 24 Metric/Inch Standard covers pressure-temperature ratings, materials, dimensions, tolerances, marking, testing, and methods of designating openings for pipe flanges and flanged fittings. ASME B16. 5 standard covers Steel Pipe Flanges and Flanged Fittings from NPS 1/2 through NPS 24 Metric/Inch in pressure class 150 to class 2500.

They can be used to connect pipes of different sizes and materials, and they come in a range of shapes, such as slip-on, weld-neck, threaded, and blind. This flexibility makes ASME B16. 5 flanges suitable for a wide range of applications, from low-pressure to high-pressure systems.

ASME / ANSI flanges play an essential role in the following industries:

- Oil, Gas, and Chemical Industry
- Food Processing and Manufacturing
- Waterworks and Municipal Pipe Systems
- Valves, Vessels, and Industrial Pumps
- Power Plants and the Nuclear Power Industry
- Pipe Diameter Impact
- Pressure and Temperature Considerations

ASME / ANSI B16.5 Forged Flanges Types

Weld Neck Flange

Socket Weld Flange

Threaded Flange

Lap Joint Flange

Blind Flange

Slip-on Flange

Ring Joint Face Flange

Raised Face Flange

Flat Face Flange

Tongue And Groove

Male - Female Flange

High Hub Flange

Spectacle Blind Flange

Long Weldneck Flange

Spades & Ring Spacer

Nipo Flange

Weldo Flange

Flange Outlet

Bleed Ring

Reducing Flanges

Expander Flanges

Orifice Flanges

Swivel Ring Flange

Square Flanges

ASME / ANSI B16.5 Forged Flanges Class and Dimensions in Inches

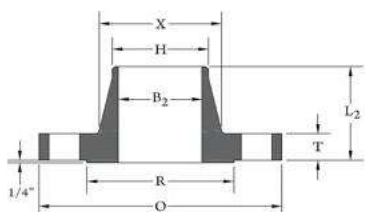
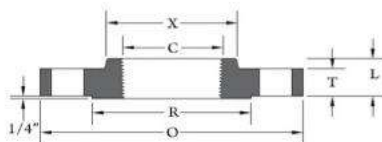
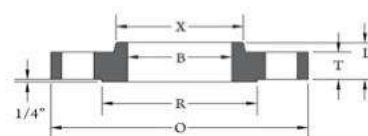
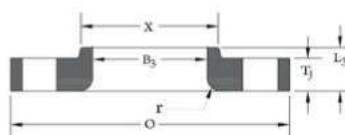
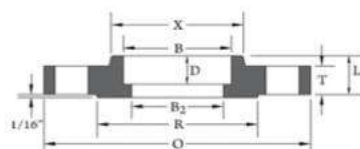
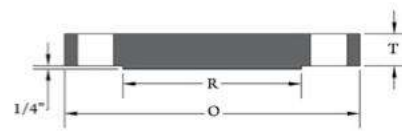
Weld Neck Flange

Threaded Flange

Slip On Flange

Lap Joint Flange

Socket Weld Flange

Blind Flange

Weld Neck Flange

Threaded Flange

Slip On Flange

Lap Joint Flange

Socket Weld Flange

Blind Flange

ANSI B16.5 Class 150 Lbs Flanges	ANSI B16.5 Class 300 Flanges
ANSI B16.5 Class 600 Flanges	ANSI B16.5 Class 900 Flanges
ANSI B16.5 Class 1500 Flanges	ANSI B16.5 Class 2500 Flanges

Nom. Pipe Size	O	T	T _J	R	X	#/Dia of Holes	Bolt Circle Dia	B	B ₂ ^b	B ₃	H	L	L ₂	L ₃ ^c	r	D	Thr
½	3.5	0.38	0.44	1.38	1.19	4-0.62	2.38	0.88	0.62	0.9	0.84	0.56	1.81	0.62	0.12	0.38	0.62
¾	3.88	0.44	0.5	1.69	1.5	4-0.62	2.75	1.09	0.82	1.11	1.05	0.56	2	0.62	0.12	0.44	0.62
1	4.25	0.5	0.56	2	1.94	4-0.62	3.12	1.36	1.05	1.38	1.32	0.62	2.12	0.69	0.12	0.5	0.69
1¼	4.62	0.56	0.62	2.5	2.31	4-0.62	3.5	1.7	1.38	1.72	1.66	0.75	2.19	0.81	0.19	0.56	0.81
1½	5	0.62	0.69	2.88	2.56	4-0.62	3.88	1.95	1.61	1.97	1.9	0.81	2.38	0.88	0.25	0.62	0.88
2	6	0.69	0.75	3.62	3.06	4-0.75	4.75	2.44	2.07	2.46	2.38	0.94	2.44	1	0.31	0.69	1
2½	7	0.81	0.88	4.12	3.56	4-0.75	5.5	2.94	2.47	2.97	2.88	1.06	2.69	1.12	0.31	0.75	1.12
3	7.5	0.88	0.94	5	4.25	4-0.75	6	3.57	3.07	3.6	3.5	1.12	2.69	1.19	0.38	0.81	1.19
3½	8.5	0.88	0.94	5.5	4.81	8-0.75	7	4.07	3.55	4.1	4	1.19	2.75	1.25	0.38	0.88	1.25
4	9	0.88	0.94	6.19	5.31	8-0.75	7.5	4.57	4.03	4.6	4.5	1.25	2.94	1.31	0.44	0.94	1.31
5	10	0.88	0.94	7.31	6.44	8-0.88	8.5	5.66	5.05	5.69	5.56	1.38	3.44	1.44	0.44	0.94	1.44
6	11	0.94	1	8.5	7.56	8-0.88	9.5	6.72	6.07	6.75	6.63	1.5	3.44	1.56	0.5	1.06	1.56
8	13.5	1.06	1.12	10.62	9.69	8-0.88	11.75	8.72	7.98	8.75	8.63	1.69	3.94	1.75	0.5	1.25	1.75
10	16	1.12	1.19	12.75	12	12-1.00	14.25	10.88	10.02	10.92	10.75	1.88	3.94	1.94	0.5	1.31	1.94
12	19	1.19	1.25	15	14.38	12-1.00	17	12.88	12	12.92	12.75	2.12	4.44	2.19	0.5	1.56	2.19
14	21	1.31	1.38	16.25	15.75	12-1.12	18.75	14.14	13.25	14.18	14	2.19	4.94	3.12	0.5	1.63	2.25
16	23.5	1.38	1.44	18.5	18	16-1.12	21.25	16.16	15.25	16.19	16	2.44	4.94	3.44	0.5	1.75	2.5
18	25	1.5	1.56	21	19.88	16-1.25	22.75	18.18	17.25	18.2	18	2.62	5.44	3.81	0.5	1.94	2.69
20	27.5	1.62	1.69	23	22	20-1.25	25	20.2	19.25	20.25	20	2.81	5.62	4.06	0.5	2.13	2.88
22	29.5	1.75	1.81	25.25	24.25	20-1.38	27.25	22.22	21.25	22.25	22	3.07	5.82	4.25	0.5	2.38	3.13
24	32	1.81	1.88	27.25	26.12	20-1.38	29.5	24.25	23.25	24.25	24	3.19	5.94	4.38	0.5	2.5	3.25

* Dimensions are in inches.

ASME-ANSI B16.5 Forged **Class 300** Flanges

Nom. Pipe Size	O	T	T _J	R	X	#/Dia of Holes	Bolt Circle Dia	B	B ₂ ^b	B ₃	H	L	L ₂	L ₃ ^c	r	C	D	Thr
½	3.75	0.5	0.56	1.38	1.5	4-0.63	2.62	0.88	0.62	0.9	0.84	0.81	2	0.88	0.12	0.93	0.38	0.62
¾	4.62	0.56	0.62	1.69	1.88	4-0.75	3.25	1.09	0.82	1.11	1.05	0.94	2.19	1	0.12	1.14	0.44	0.62
1	4.88	0.62	0.69	2	2.12	4-0.75	3.5	1.36	1.05	1.38	1.32	1	2.38	1.06	0.12	1.41	0.5	0.69
1¼	5.25	0.69	0.75	2.5	2.5	4-0.75	3.88	1.7	1.38	1.72	1.66	1	2.5	1.06	0.19	1.75	0.56	0.81
1½	6.12	0.75	0.81	2.88	2.75	4-0.88	4.5	1.95	1.61	1.97	1.9	1.13	2.63	1.19	0.25	1.98	0.62	0.88
2	6.5	0.81	0.88	3.62	3.31	8-0.75	5	2.44	2.07	2.46	2.38	1.25	2.69	1.31	0.31	2.5	0.69	1.12
2½	7.5	0.94	1	4.12	3.94	8-0.88	5.88	2.94	2.47	2.97	2.88	1.44	2.94	1.5	0.31	3	0.75	1.25
3	8.25	1.06	1.12	5	4.62	8-0.88	6.62	3.57	3.07	3.6	3.5	1.63	3.06	1.69	0.38	3.63	0.81	1.25
3½	9	1.12	1.19	5.5	5.25	8-0.88	7.25	4.07	3.55	4.1	4	1.69	3.13	1.75	0.38	4.13	....	1.44
4	10	1.19	1.25	6.19	5.75	8-0.88	7.88	4.57	4.03	4.6	4.5	1.82	3.32	1.88	0.44	4.63	....	1.44
5	11	1.31	1.38	7.31	7	8-0.88	9.25	5.66	5.05	5.69	5.56	1.94	3.82	2	0.44	5.69	....	1.69
6	12.5	1.38	1.44	8.5	8.12	12-0.88	10.62	6.72	6.07	6.75	6.63	2	3.82	2.06	0.5	6.75	....	1.81
8	15	1.56	1.62	10.62	10.25	12-1.00	13	8.72	7.98	8.75	8.63	2.38	4.32	2.44	0.5	8.75	....	2
10	17.5	1.81	1.88	12.75	12.62	16-1.12	15.25	10.88	10.02	10.92	10.75	2.56	4.56	3.75	0.5	10.88	....	2.19
12	20.5	1.94	2	15	14.75	16-1.25	17.75	12.88	12	12.92	12.75	2.82	5.06	4	0.5	12.94	....	2.38
14	23	2.06	2.12	16.25	16.75	20-1.25	20.25	14.14	13.25	14.18	14	2.94	5.56	4.38	0.5	14.19	....	2.5
16	25.5	2.19	2.25	18.5	19	20-1.38	22.5	16.16	15.25	16.19	16	3.19	5.69	4.75	0.5	16.19	....	2.69
18	28	2.31	2.38	21	21	24-1.38	24.75	18.18	17.25	18.2	18	3.44	6.19	5.12	0.5	18.19	....	2.75
20	30.5	2.44	2.5	23	23.12	24-1.38	27	20.2	19.25	20.25	20	3.69	6.32	5.5	0.5	20.19	....	2.88
22	33	2.57	2.63	25.25	25.25	24-1.63	29.25	22.22	21.25	22.25	22	3.93	6.43	5.75	0.5	22.19	....	3.13
24	36	2.69	2.75	27.25	27.62	24-1.63	32	24.25	23.25	24.25	24	4.13	6.56	6	0.5	24.19	....	3.25

* Dimensions are in inches.

ASME-ANSI B16.5 Forged Class 400 Flanges

Nom. Pipe Size	O	T	R	X	#/Dia of Holes ^a	Bolt Circle Dia	B	B ₂ ^b	B ₃	H	L	L ₂	L ₃ ^c	r	C	D	Thr
½	3.75	0.56	1.38	1.5	4-0.63	2.62	0.88	To be specified by purchaser	0.9	0.84	0.88	2.06	0.88	0.12	0.93	0.38	0.62
¾	4.62	0.62	1.69	1.88	4-0.75	3.25	1.09		1.11	1.05	1	2.25	1	0.12	1.14	0.44	0.62
1	4.88	0.69	2	2.12	4-0.75	3.5	1.36		1.38	1.32	1.06	2.44	1.06	0.12	1.41	0.5	0.69
1¼	5.25	0.81	2.5	2.5	4-0.75	3.88	1.7		1.72	1.66	1.12	2.62	1.12	0.19	1.75	0.56	0.81
1½	6.12	0.88	2.88	2.75	4-0.88	4.5	1.95		1.97	1.9	1.25	2.75	1.25	0.25	1.99	0.62	0.88
2	6.5	1	3.62	3.31	8-0.75	5	2.44		2.46	2.38	1.44	2.88	1.44	0.31	2.5	0.69	1.12
2½	7.5	1.12	4.12	3.94	8-0.88	5.88	2.94		2.97	2.88	1.62	3.12	1.62	0.31	3	0.75	1.25
3	8.25	1.25	5	4.62	8-0.88	6.62	3.57		3.6	3.5	1.81	3.25	1.81	0.38	3.63	0.81	1.38
3½	9	1.38	5.5	5.25	8-1.00	7.25	4.07		4.1	4	1.94	3.38	1.94	0.38	4.13	....	1.56
4	10	1.38	6.19	5.75	8-1.00	7.88	4.57		4.6	4.5	2	3.5	2	0.44	4.63	....	1.44
5	11	1.5	7.31	7	8-1.00	9.25	5.66		5.69	5.56	2.12	4	2.12	0.44	5.69	....	1.69
6	12.5	1.62	8.5	8.12	12-1.00	10.62	6.72		6.75	6.63	2.25	4.06	2.25	0.5	6.75	....	1.81
8	15	1.88	10.62	10.25	12-1.12	13	8.72		8.75	8.63	2.69	4.62	2.69	0.5	8.75	....	2
10	17.5	2.12	12.75	12.62	16-1.25	15.25	10.88		10.92	10.75	2.88	4.88	4	0.5	10.88	....	2.19
12	20.5	2.25	15	14.75	16-1.38	17.75	12.88		12.92	12.75	3.12	5.38	4.25	0.5	12.94	....	2.38
14	23	2.38	16.25	16.75	20-1.38	20.25	14.14		14.18	14	3.31	5.88	4.62	0.5	14.19	....	2.5
16	25.5	2.5	18.5	19	20-1.50	22.5	16.16		16.19	16	3.69	6	5	0.5	16.19	....	2.69
18	28	2.62	21	21	24-1.50	24.75	18.18		18.2	18	3.88	6.5	5.38	0.5	18.19	....	2.75
20	30.5	2.75	23	23.12	24-1.62	27	20.2		20.25	20	4	6.62	5.75	0.5	20.19	....	2.88
22	33	2.88	25.25	25.25	24-1.75	29.25	22.22		22.25	22	4.25	6.75	6	0.5	....	....	—
24	36	3	27.25	27.62	24-1.88	32	24.25		24.25	24	4.5	6.88	6.25	0.5	24.19	....	3.25

* Dimensions are in inches.

ASME-ANSI B16.5 Forged Class 600 Flanges

Nom. Pipe Size	O	T	R	X	#/Dia of Holes	Bolt Circle Dia	B	B ₂ ^b	B ₃	H	L	L ₂	L ₃ ^c	r	C	D	Thr
½	3.75	0.56	1.38	1.5	4-0.63	2.62	0.88	To be specified by purchaser	0.9	0.84	0.88	2.06	0.88	0.12	0.93	0.38	0.62
¾	4.62	0.62	1.69	1.88	4-0.75	3.25	1.09		1.11	1.05	1	2.25	1	0.12	1.14	0.44	0.62
1	4.88	0.69	2	2.12	4-0.75	3.5	1.36		1.38	1.32	1.06	2.44	1.06	0.12	1.41	0.5	0.69
1¼	5.25	0.81	2.5	2.5	4-0.75	3.88	1.7		1.72	1.66	1.12	2.62	1.12	0.19	1.75	0.56	0.81
1½	6.12	0.88	2.88	2.75	4-0.88	4.5	1.95		1.97	1.9	1.25	2.75	1.25	0.25	1.99	0.62	0.88
2	6.5	1	3.62	3.31	8-0.75	5	2.44		2.46	2.38	1.44	2.88	1.44	0.31	2.5	0.69	1.12
2½	7.5	1.12	4.12	3.94	8-0.88	5.88	2.94		2.97	2.88	1.62	3.12	1.62	0.31	3	0.75	1.25
3	8.25	1.25	5	4.62	8-0.88	6.62	3.57		3.6	3.5	1.81	3.25	1.81	0.38	3.63	0.81	1.38
3½	9	1.38	5.5	5.25	8-1.00	7.25	4.07		4.1	4	1.94	3.38	1.94	0.38	4.13	....	1.56
4	10.75	1.5	6.19	6	8-1.00	8.5	4.57		4.6	4.5	2.12	4	2.12	0.44	4.63	....	1.62
5	13	1.75	7.31	7.44	8-1.12	10.5	5.66		5.69	5.56	2.38	4.5	2.38	0.44	5.69	....	1.88
6	14	1.88	8.5	8.75	12-1.12	11.5	6.72		6.75	6.63	2.62	4.62	2.62	0.5	6.75	....	2
8	16.5	2.19	10.62	10.75	12-1.25	13.75	8.72		8.75	8.63	3	5.25	3	0.5	8.75	....	2.25
10	20	2.5	12.75	13.5	16-1.38	17	10.88		10.92	10.75	3.38	6	4.38	0.5	10.88	....	2.56
12	22	2.62	15	15.75	20-1.38	19.25	12.88		12.92	12.75	3.62	6.12	4.62	0.5	12.94	....	2.75
14	23.75	2.75	16.25	17	20-1.50	20.75	14.14		14.18	14	3.69	6.5	5	0.5	14.19	....	2.88
16	27	3	18.5	19.5	20-1.63	23.75	16.16		16.19	16	4.19	7	5.5	0.5	16.19	....	3.06
18	29.25	3.25	21	21.5	20-1.75	25.75	18.18		18.2	18	4.62	7.25	6	0.5	18.19	....	3.12
20	32	3.5	23	24	24-1.75	28.5	20.2		20.25	20	5	7.5	6.5	0.5	20.19	....	3.25
22	34.25	3.75	25.25	26.25	24-1.75	30.63	22.22		22.25	22	5.25	7.75	6.88	0.5	....	....	—
24	37	4	27.25	28.25	24-2.00	33	24.25		24.25	24	5.5	8	7.25	0.5	24.19	....	3.62

* Dimensions are in inches.

ASME-ANSI B16.5 Forged Class 900 Flanges

Nom. Pipe Size	O	T	R	X	#/Dia of Holes	Bolt Circle Dia	B	B ₂ ^b	B ₃	H	L	L ₂	L ₃ ^c	r	C	Thr
Sizes 1/2" through 2 1/2" are identical to class 1500.																
3	9.5	1.5	5	5	8-1.00	7.5	3.57	To be specified by purchaser	3.6	3.5	2.12	4	2.12	0.38	3.63	1.62
4	11.5	1.75	6.19	6.25	8-1.25	9.25	4.57		4.6	4.5	2.75	4.5	2.75	0.44	4.63	1.88
5	13.75	2	7.31	7.5	8-1.38	11	5.66		5.69	5.56	3.12	5	3.12	0.44	5.69	2.12
6	15	2.19	8.5	9.25	12-1.25	12.5	6.72		6.75	6.63	3.38	5.5	3.38	0.5	6.75	2.25
8	18.5	2.5	10.63	11.75	12-1.50	15.5	8.72		8.75	8.63	4	6.38	4.5	0.5	8.75	2.5
10	21.5	2.75	12.75	14.5	16-1.50	18.5	10.88		10.92	10.75	4.25	7.25	5	0.5	10.88	2.81
12	24	3.12	15	16.5	20-1.50	21	12.88		12.92	12.75	4.63	7.88	5.62	0.5	12.94	3
14	25.25	3.38	16.25	17.75	20-1.63	22	14.14		14.18	14	5.12	8.38	6.12	0.5	14.19	3.25
16	27.75	3.5	18.5	20	20-1.75	24.25	16.16		16.19	16	5.25	8.5	6.5	0.5	16.19	3.38
18	31	4	21	22.25	20-2.00	27	18.18		18.2	18	6	9	7.5	0.5	18.19	3.5
20	33.75	4.25	23	24.5	20-2.13	29.5	20.2		20.25	20	6.25	9.75	8.25	0.5	20.19	3.62
24	41	5.5	27.25	29.5	20-2.63	35.5	24.25		24.25	24	8	11.5	10.5	0.5	24.19	4

* Dimensions are in inches.

ASME-ANSI B16.5 Forged Class 1500 Flanges

Nom. Pipe Size	O	T	R	X	#/Dia of Holes	Bolt Circle Dia	B	B ₂ ^b	B ₃	H	L	L ₂	L ₃ ^c	r	C	D	Thr
1/2	4.75	0.88	1.38	1.5	4-0.88	3.25	0.88	To be specified by purchaser	0.9	0.84	1.25	2.38	1.25	0.12	0.93	0.38	0.88
3/4	5.12	1	1.69	1.75	4-0.88	3.5	1.09		1.11	1.05	1.38	2.75	1.38	0.12	1.14	0.44	1
1	5.88	1.12	2	2.06	4-1.00	4	1.36		1.38	1.32	1.62	2.88	1.62	0.12	1.41	0.5	1.12
1 1/4	6.25	1.12	2.5	2.5	4-1.00	4.38	1.7		1.72	1.66	1.62	2.88	1.62	0.19	1.75	0.56	1.19
1 1/2	7	1.25	2.88	2.75	4-1.12	4.88	1.95		1.97	1.9	1.75	3.25	1.75	0.25	1.99	0.62	1.25
2	8.5	1.5	3.63	4.12	8-1.00	6.5	2.44		2.46	2.38	2.25	4	2.25	0.31	2.5	0.69	1.5
2 1/2	9.62	1.62	4.13	4.88	8-1.12	7.5	2.94		2.97	2.88	2.5	4.12	2.5	0.31	3	0.75	1.88
3	10.5	1.88	5	5.25	8-1.25	8	....		3.6	3.5	....	4.62	2.88	0.38	....	....	....
4	12.25	2.12	6.19	6.38	8-1.38	9.5	....		4.6	4.5	....	4.88	3.56	0.44	....	....	....
5	14.75	2.88	7.31	7.75	8-1.63	11.5	....		5.69	5.56	....	6.12	4.12	0.44	....	....	....
6	15.5	3.25	8.5	9	12-1.50	12.5	....		6.75	6.63	....	6.75	4.69	0.5	....	....	....
8	19	3.62	10.63	11.5	12-1.75	15.5	....		8.75	8.63	....	8.38	5.62	0.5	....	....	....
10	23	4.25	12.75	14.5	12-2.00	19	....		10.92	10.75	....	10	7	0.5	....	....	....
12	26.5	4.88	15	17.75	16-2.12	22.5	....		12.92	12.75	....	11.12	8.62	0.5	....	....	....
14	29.5	5.25	16.25	19.5	16-2.38	25	....		14.18	14	....	11.75	9.5	0.5	....	....	....
16	32.5	5.75	18.5	21.75	16-2.63	27.75	....		16.19	16	....	12.25	10.25	0.5	....	....	....
18	36	6.38	21	23.5	16-2.88	30.5	....		18.2	18	....	12.88	10.88	0.5	....	....	....
20	38.75	7	23	25.25	16-3.12	32.75	....		20.25	20	....	14	11.5	0.5	....	....	....
24	46	8	27.25	30	16-3.63	39	....		24.25	24	....	16	13	0.5	....	....	....

* Dimensions are in inches.

ASME-ANSI B16.5 Forged Class 2500 Flanges

Nom. Pipe Size	O	T	R	X	#/Dia of Holes ^a	Bolt Circle Dia	B ₂ ^b	B ₃	H	L	L ₂	L ₃	r	C	Thr
1/2	5.25	1.19	1.38	1.69	4-0.88	3.5	To be specified by purchaser	0.9	0.84	1.56	2.88	1.56	0.12	0.93	1.12
3/4	5.5	1.25	1.69	2	4-0.88	3.75		1.11	1.05	1.69	3.12	1.69	0.12	1.14	1.25
1	6.25	1.38	2	2.25	4-1.00	4.25		1.38	1.32	1.88	3.5	1.88	0.12	1.41	1.38

1¼	7.25	1.5	2.5	2.88	4-1.12	5.13
1½	8	1.75	2.88	3.12	4-1.25	5.75
2	9.25	2	3.63	3.75	8-1.12	6.75
2½	10.5	2.25	4.13	4.5	8-1.25	7.75
3	12	2.62	5	5.25	8-1.38	9
4	14	3	6.19	6.5	8-1.63	10.75
5	16.5	3.62	7.31	8	8-1.88	12.75
6	19	4.25	8.5	9.25	8-2.12	14.5
8	21.75	5	10.63	12	12-2.12	17.25
10	26.5	6.5	12.75	14.75	12-2.63	21.25
12	30	7.25	15	17.38	12-2.88	24.38

1.72	1.66	2.06	3.75	2.06	0.19	1.75	1.5
1.97	1.9	2.38	4.38	2.38	0.25	1.99	1.75
2.46	2.38	2.75	5	2.75	0.31	2.5	2
2.97	2.88	3.12	5.62	3.12	0.31	3	2.25
3.6	3.5	....	6.62	3.62	0.38	....	....
4.6	4.5	....	7.5	4.25	0.44	....	....
5.69	5.56	....	9	5.12	0.44	....	....
6.75	6.63	....	10.75	6	0.5	....	....
8.75	8.63	....	12.5	7	0.5	....	....
10.92	10.75	....	16.5	9	0.5	....	....
12.92	12.75	....	18.25	10	0.5	....	....

* Dimensions are in inches.

ANSI B16.5 Forged Raised Face (RF) Flanges Pressure Class and Dimensions in Millimetres

ASME-ANSI B16.5 Class 150 Weld Neck RF Flanges Dimensions

Size		Outside Diam.	Bore Diam.	Thick-ness	Total Thick-ness	Neck		Hub		Radius	Holes			Raised Face		Net Weight
						Base Diam.	Thick-ness	Thick-ness	Diam.		Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B1*	t	T1	X	t2	t1	A	R	h	n	K	G	f	kg
15	½	88.90	15.75	11.18	47.75	30.23	29.21	7.37	21.34	3.05	15.75	4	60.45	35.05	1.60	0.49
20	¾	98.55	20.83	12.70	52.32	38.10	31.75	7.87	26.67	3.05	15.75	4	69.85	42.93	1.60	0.72
25	1	107.95	26.67	14.22	55.63	49.28	33.02	8.38	33.53	3.05	15.75	4	79.25	50.80	1.60	1.03
32	1¼	117.35	35.05	15.75	57.15	58.67	33.02	8.38	42.16	4.83	15.75	4	88.90	63.50	1.60	1.34
40	1½	127.00	40.89	17.53	61.98	65.02	35.56	8.89	48.26	6.35	15.75	4	98.55	73.15	1.60	1.74
50	2	152.40	52.58	19.05	63.50	77.72	35.56	8.89	60.45	7.87	19.05	4	120.65	91.95	1.60	2.60
65	2½	177.80	62.74	22.35	69.85	90.42	38.10	9.40	73.15	7.87	19.05	4	139.70	104.65	1.60	4.17
80	3	190.50	77.93	23.88	69.85	107.95	36.83	9.14	88.90	9.65	19.05	4	152.40	127.00	1.60	4.99
90	3½	215.90	90.17	23.88	71.37	122.17	38.10	9.40	101.60	9.65	19.05	8	177.80	139.70	1.60	6.18
100	4	228.60	102.26	23.88	76.20	134.87	41.91	10.41	114.30	11.18	19.05	8	190.50	157.23	1.60	6.98
125	5	254.00	128.19	23.88	88.90	163.58	52.07	12.95	141.22	11.18	22.35	8	215.90	185.67	1.60	8.72
150	6	279.40	154.05	25.40	88.90	192.02	50.80	12.70	168.40	12.70	22.35	8	241.30	215.90	1.60	10.74
200	8	342.90	202.72	28.45	101.60	246.13	58.42	14.73	219.20	12.70	22.35	8	298.45	269.75	1.60	17.68
250	10	406.40	254.51	30.23	101.60	304.80	57.15	14.22	273.05	12.70	25.40	12	361.95	323.85	1.60	24.25
300	12	482.60	304.80	31.75	114.30	365.25	66.04	16.51	323.85	12.70	25.40	12	431.80	381.00	1.60	36.93
350	14	533.40	336.55	35.05	127.00	400.05	73.66	18.29	355.60	12.70	28.45	12	476.25	412.75	1.60	48.88
400	16	596.90	387.35	36.58	127.00	457.20	72.39	18.03	406.40	12.70	28.45	16	539.75	469.90	1.60	60.47
450	18	635.00	438.15	39.62	139.70	504.95	80.01	20.07	457.20	12.70	31.75	16	577.85	533.40	1.60	68.37
500	20	698.50	488.95	42.93	144.53	558.80	81.28	20.32	508.00	12.70	31.75	20	635.00	584.20	1.60	84.60
600	24	812.80	590.55	47.75	152.40	663.45	83.82	20.83	609.60	12.70	35.05	20	749.30	692.15	1.60	115.33

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 150 Threaded RF Flanges Dimensions

Size		Outside Diam.	Bore Diam.	Thick-ness	Total Thick-ness	Diam. at Base of Hub	Thread Length	Holes			Raised Face		Net Weight
								Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B2	t	T2	X	Q	h	n	K	G	f	kg
15	½	88.90	22.35	11.18	15.75	30.23	15.75	15.75	4	60.45	35.05	1.60	0.40
20	¾	98.55	27.69	12.70	15.75	38.10	15.75	15.75	4	69.85	42.93	1.60	0.57
25	1	107.95	34.54	14.22	17.53	49.28	17.53	15.75	4	79.25	50.80	1.60	0.78
32	1¼	117.35	43.18	15.75	20.57	58.67	20.57	15.75	4	88.90	63.50	1.60	1.02
40	1½	127.00	49.53	17.53	22.35	65.02	22.35	15.75	4	98.55	73.15	1.60	1.33
50	2	152.40	61.98	19.05	25.40	77.72	25.40	19.05	4	120.65	91.95	1.60	2.07
65	2½	177.80	74.68	22.35	28.45	90.42	28.45	19.05	4	139.70	104.65	1.60	3.31
80	3	190.50	90.68	23.88	30.23	107.95	30.23	19.05	4	152.40	127.00	1.60	3.88
90	3½	215.90	103.38	23.88	31.75	122.17	31.75	19.05	8	177.80	139.70	1.60	4.84
100	4	228.60	116.08	23.88	33.27	134.87	33.27	19.05	8	190.50	157.23	1.60	5.32
125	5	254.00	143.76	23.88	36.58	163.58	36.58	22.35	8	215.90	185.67	1.60	6.10
150	6	279.40	170.69	25.40	39.62	192.02	39.62	22.35	8	241.30	215.90	1.60	7.46
200	8	342.90	221.49	28.45	44.45	246.13	44.45	22.35	8	298.45	269.75	1.60	12.07

250	10	406.40	276.35	30.23	49.28	304.80	49.28	25.40	12	361.95	323.85	1.60	16.56
300	12	482.60	327.15	31.75	55.63	365.25	55.63	25.40	12	431.80	381.00	1.60	26.26
350	14	533.40	359.16	35.05	57.15	400.05	57.15	28.45	12	476.25	412.75	1.60	34.76
400	16	596.90	410.46	36.58	63.50	457.20	63.50	28.45	16	539.75	469.90	1.60	45.02
450	18	635.00	461.77	39.62	68.33	504.95	68.33	31.75	16	577.85	533.40	1.60	48.90
500	20	698.50	513.08	42.93	73.15	558.80	73.15	31.75	20	635.00	584.20	1.60	62.07
600	24	812.80	615.95	47.75	82.55	663.45	82.55	35.05	20	749.30	692.15	1.60	87.13

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 150 Slip-on RF Flanges Dimensions

Size		OutsideD iam.	BoreD iam.	Thickness	TotalTh ick- ness	Diam. ofBase ofHu b	Holes			RaisedFace		NetWe ight
							Diam.	No.	P.C.D	OutsideD iam.	Thickness	
mm	inch	D	B2	t	T2	X	h	n	K	G	f	kg
15	1/2	88.90	22.35	11.18	15.75	30.23	15.75	4	60.45	35.05	1.60	0.40
20	3/4	98.55	27.69	12.70	15.75	38.10	15.75	4	69.85	42.93	1.60	0.57
25	1	107.95	34.54	14.22	17.53	49.28	15.75	4	79.25	50.80	1.60	0.78
32	1 1/4	117.35	43.18	15.75	20.57	58.67	15.75	4	88.90	63.50	1.60	1.02
40	1 1/2	127.00	49.53	17.53	22.35	65.02	15.75	4	98.55	73.15	1.60	1.33
50	2	152.40	61.98	19.05	25.40	77.72	19.05	4	120.65	91.95	1.60	2.07
65	2 1/2	177.80	74.68	22.35	28.45	90.42	19.05	4	139.70	104.65	1.60	3.31
80	3	190.50	90.68	23.88	30.23	107.95	19.05	4	152.40	127.00	1.60	3.88
90	3 1/2	215.90	103.38	23.88	31.75	122.17	19.05	8	177.80	139.70	1.60	4.84
100	4	228.60	116.06	23.88	33.27	134.87	19.05	8	190.50	157.23	1.60	5.32
125	5	254.00	143.76	23.88	36.58	163.58	22.35	8	215.90	185.67	1.60	6.10
150	6	279.40	170.69	25.40	39.62	192.02	22.35	8	241.30	215.90	1.60	7.46
200	8	342.90	221.49	28.45	44.45	246.13	22.35	8	298.45	269.75	1.60	12.07
250	10	406.40	276.35	30.23	49.28	304.80	25.40	12	361.95	323.85	1.60	16.56
300	12	482.60	327.15	31.75	55.63	365.25	25.40	12	431.80	381.00	1.60	26.26
350	14	533.40	359.16	35.05	57.15	400.05	28.45	12	476.25	412.75	1.60	34.76
400	16	596.90	410.46	36.58	63.50	457.20	28.45	16	539.75	469.90	1.60	45.02
450	18	635.00	461.77	39.62	68.33	504.95	31.75	16	577.85	533.40	1.60	48.90
500	20	698.50	513.08	42.93	73.15	558.80	31.75	20	635.00	584.20	1.60	62.07
600	24	812.80	615.95	47.75	82.55	663.45	35.05	20	749.30	692.15	1.60	87.13

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 150 Lap Joint RF Flanges Dimensions

Size		OutsideD iam.	BoreDi am.	Thick- ness	Lengthth ruHub	Diam.at Baseof Hub	Holes			Radiuso fFillet	RaisedFace		NetWe ight
							Diam.	No.	P.C.D		OutsideD iam.	Thick- ness	
mm	inch	D	B3	t	T3	X	h	n	K	R	G	f	kg
15	1/2	88.90	22.86	11.18	15.75	30.23	15.75	4	60.45	3.05	35.05	1.60	0.40
20	3/4	98.55	28.19	12.70	15.75	38.10	15.75	4	69.85	3.05	42.93	1.60	0.57
25	1	107.95	35.05	14.22	17.53	49.28	15.75	4	79.25	3.05	50.80	1.60	0.78
32	1 1/4	117.35	43.69	15.75	20.57	58.67	15.75	4	88.90	4.83	63.50	1.60	1.02
40	1 1/2	127.00	50.04	17.53	22.35	65.02	15.75	4	98.55	6.35	73.15	1.60	1.33
50	2	152.40	62.48	19.05	25.40	77.72	19.05	4	120.65	7.87	91.95	1.60	2.06
65	2 1/2	177.80	75.44	22.35	28.45	90.42	19.05	4	139.70	7.87	104.65	1.60	3.29
80	3	190.50	91.44	23.88	30.23	107.95	19.05	4	152.40	9.65	127.00	1.60	3.85
90	3 1/2	215.90	104.14	23.88	31.75	122.17	19.05	8	177.80	9.65	139.70	1.60	4.81
100	4	228.60	116.84	23.88	33.27	134.87	19.05	8	190.50	11.18	157.23	1.60	5.29
125	5	254.00	144.53	23.88	36.58	163.58	22.35	8	215.90	11.18	185.67	1.60	6.05
150	6	279.40	171.45	25.40	39.62	192.02	22.35	8	241.30	12.70	215.90	1.60	7.39
200	8	342.90	222.25	28.45	44.45	246.13	22.35	8	298.45	12.70	269.75	1.60	11.98
250	10	406.40	277.37	30.23	49.28	304.80	25.40	12	361.95	12.70	323.85	1.60	16.38
300	12	482.60	328.17	31.75	55.63	365.25	25.40	12	431.80	12.70	381.00	1.60	26.03
350	14	533.40	360.17	35.05	57.15	400.05	28.45	12	476.25	12.70	412.75	1.60	38.63
400	16	596.90	411.23	36.58	63.50	457.20	28.45	16	539.75	12.70	469.90	1.60	50.65
450	18	635.00	462.28	39.62	68.33	504.95	31.75	16	577.85	12.70	533.40	1.60	55.94
500	20	698.50	514.35	42.93	73.15	558.80	31.75	20	635.00	12.70	584.20	1.60	70.30
600	24	812.80	615.95	47.75	82.55	663.45	35.05	20	749.30	12.70	692.15	1.60	97.89

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 150 Socket Weld RF Flanges Dimensions

Size		Outside Diam.	Bore Diameter STD		Bore Diameter XS		Thickness	Socket Depth	Total Thickness	Diam. at Base of Hub	Holes			Raised Face		Net Weight
											Diam.	No.	P.C.D	Outside Diam.	Thickness	
mm	inch	D	B2	B1*	B2	B1*	t	Y	T2	X	h	n	K	G	f	kg
15	1/2	88.90	22.35	15.75	22.35	13.97	11.18	9.65	15.75	30.23	15.75	4	60.45	35.05	1.60	0.41
20	3/4	98.55	27.69	20.83	27.69	18.80	12.70	11.18	15.75	38.10	15.75	4	69.85	42.93	1.60	0.58
25	1	107.95	34.54	26.67	34.54	24.38	14.22	12.70	17.53	49.28	15.75	4	79.25	50.80	1.60	0.79
32	1 1/4	117.35	43.18	35.05	43.18	32.51	15.75	14.22	20.57	58.67	15.75	4	88.90	63.50	1.60	1.05
40	1 1/2	127.00	49.53	40.89	49.53	38.10	17.53	15.75	22.35	65.02	15.75	4	98.55	73.15	1.60	1.36
50	2	152.40	61.98	52.58	61.98	49.28	19.05	17.53	25.40	77.72	19.05	4	120.65	91.95	1.60	2.12
65	2 1/2	177.80	74.68	62.74	74.68	58.93	22.35	19.05	28.45	90.42	19.05	4	139.70	104.65	1.60	3.40
80	3	190.50	90.68	77.98	90.68	73.66	23.88	20.57	30.23	107.95	19.05	4	152.40	127.00	1.60	4.01
90	3 1/2	215.90	103.38	90.17	103.38	85.34	23.88	22.35	31.75	122.17	19.05	8	177.80	139.70	1.60	4.99
100	4	228.60	116.08	102.36	116.08	97.28	23.88	23.88	33.27	134.87	19.05	8	190.50	157.23	1.60	5.50
125	5	254.00	143.76	128.27	143.76	122.17	23.88	23.88	36.58	163.58	22.35	8	215.90	185.67	1.60	6.43
150	6	279.40	170.69	154.18	170.69	146.30	25.40	26.92	39.62	192.02	22.35	8	241.30	215.90	1.60	7.88
200	8	342.90	221.49	253.49	221.49	193.80	28.45	31.75	44.45	246.13	22.35	8	298.45	269.75	1.60	10.88
250	10	406.40	276.35	254.51	276.35	247.65	30.23	33.27	49.28	304.80	25.40	12	361.95	323.85	1.60	17.70
300	12	482.60	327.15	304.80	327.15	298.45	31.75	39.62	55.63	365.25	25.40	12	431.80	381.00	1.60	27.65
350	14	533.40	359.16	336.55	359.16	330.20	35.05	41.40	57.15	400.05	28.45	12	476.25	412.75	1.60	36.29
400	16	596.90	410.46	387.35	410.46	381.00	36.58	44.45	63.50	457.20	28.45	16	539.75	469.90	1.60	47.18
450	18	635.00	461.77	438.15	461.77	431.80	39.62	49.28	68.33	504.95	31.75	16	577.85	533.40	1.60	51.39
500	20	698.50	513.08	488.95	513.08	482.60	42.93	54.10	73.15	558.80	31.75	20	635.00	584.20	1.60	64.91
600	24	812.80	615.95	590.55	615.95	584.20	47.75	63.50	82.55	663.45	35.05	20	749.30	692.15	1.60	90.73

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 150 Blind RF Flanges Dimensions

Size		Outside Diameter	Thickness	Holes			Raised Face		Net Weight
				Diameter	Number	P.C.D	Outside Diameter	Thickness	
mm	inch	D	t	h	n	K	G	f	kg
15	1/2	88.90	11.18	15.75	4	60.45	35.05	1.60	0.42
20	3/4	98.55	12.70	15.75	4	69.85	42.93	1.60	0.62
25	1	107.95	14.22	15.75	4	79.25	50.80	1.60	0.86
32	1 1/4	117.35	15.75	15.75	4	88.90	63.50	1.60	1.16
40	1 1/2	127.00	17.53	15.75	4	98.55	73.15	1.60	1.54
50	2	152.40	19.05	19.05	4	120.65	91.95	1.60	2.43
65	2 1/2	177.80	22.35	19.05	4	139.70	104.65	1.60	3.98
80	3	190.50	23.88	19.05	4	152.40	127.00	1.60	4.95
90	3 1/2	215.90	23.88	19.05	8	177.80	139.70	1.60	6.21
100	4	228.60	23.88	19.05	8	190.50	157.23	1.60	7.04
125	5	254.00	23.88	22.35	8	215.90	185.67	1.60	8.67
150	6	279.40	25.40	22.35	8	241.30	215.90	1.60	11.34
200	8	342.90	28.45	22.35	8	298.45	269.75	1.60	19.54
250	10	406.40	30.23	25.40	12	361.95	323.85	1.60	28.85
300	12	482.60	31.75	25.40	12	431.80	381.00	1.60	43.33
350	14	533.40	35.05	28.45	12	476.25	412.75	1.60	58.41
400	16	596.90	36.58	28.45	16	539.75	469.90	1.60	76.28
450	18	635.00	39.62	31.75	16	577.85	533.40	1.60	93.60
500	20	698.50	42.93	31.75	20	635.00	584.20	1.60	122.62
600	24	812.80	47.75	35.05	20	749.30	692.15	1.60	185.79

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 300 Weld Neck RF Flanges Dimensions

Size		Outside Diam.	Bore Diam. STD	Thickness	Total Thickness	Neck		Hub		Radius	Holes			Raised Face		Net Weight
						Base Diam.	Thickness	Thickness	Diam.		Diam.	No.	P.C.D	Outside Diam.	Thickness	
mm	inch	D	B1*	t	T1	X	t2	t1	A	R	h	n	K	G	f	kg
15	1/2	95.25	15.75	14.22	52.32	38.10	30.48	7.62	21.34	3.05	15.75	4.00	66.55	35.05	1.60	0.76
20	3/4	117.35	20.83	15.75	57.15	47.75	33.12	8.28	26.67	3.05	19.05	4.00	82.55	42.93	1.60	1.27
25	1	123.95	26.67	17.53	61.98	53.85	35.56	8.89	33.53	3.05	19.05	4.00	88.90	50.80	1.60	1.61
32	1 1/4	133.35	35.05	19.05	65.02	63.50	36.78	9.19	42.16	4.83	19.05	4.00	98.55	63.50	1.60	2.05
40	1 1/2	155.45	40.89	20.57	68.33	69.85	38.20	9.55	48.26	6.35	22.35	4.00	114.30	73.15	1.60	2.92
50	2	165.10	52.58	22.35	69.85	84.07	38.00	9.50	60.45	7.87	19.05	8.00	127.00	91.95	1.60	3.46

65	2½	190.50	62.74	25.40	76.20	100.08	40.64	10.16	73.15	7.87	22.35	8.00	149.35	104.65	1.60	5.24
80	3	209.55	77.98	28.45	79.25	117.35	40.64	10.16	88.90	9.65	22.35	8.00	168.15	127.00	1.60	6.98
90	3½	228.60	90.17	30.23	81.03	133.35	40.64	10.16	101.60	9.65	22.35	8.00	184.15	139.70	1.60	8.79
100	4	254.00	102.36	31.75	85.85	146.05	43.28	10.82	114.30	11.18	22.35	8.00	200.15	157.53	1.60	11.38
125	5	279.40	128.27	35.05	98.55	177.80	50.80	12.70	141.22	11.18	22.35	8.00	234.95	185.67	1.60	15.20
150	6	317.50	154.18	36.58	98.55	206.25	49.58	12.40	168.40	12.70	22.35	12.00	269.75	215.90	1.60	19.42
200	8	381.00	202.69	41.15	111.25	260.35	56.08	14.02	219.20	12.70	25.40	12.00	330.20	269.75	1.60	30.16
250	10	444.50	254.51	47.75	117.35	320.55	55.68	13.92	273.05	12.70	28.45	16.00	387.35	323.85	1.60	43.45
300	12	520.70	304.80	50.80	130.05	374.65	63.40	15.85	323.85	12.70	31.75	16.00	450.85	381.00	1.60	62.36
350	14	584.20	336.55	53.85	142.75	425.45	71.12	17.78	355.60	12.70	31.75	20.00	514.35	412.75	1.60	86.43
400	16	647.70	387.35	57.15	146.05	482.60	71.12	17.78	406.40	12.70	35.05	20.00	571.50	469.90	1.60	107.38
450	18	711.20	438.15	60.45	158.75	533.40	78.64	19.66	457.20	12.70	35.05	24.00	628.65	533.40	1.60	132.34
500	20	774.70	488.95	63.50	162.05	587.25	78.64	19.71	508.00	12.70	35.05	24.00	685.80	584.20	1.60	159.80
600	24	914.40	590.55	69.85	168.15	701.55	78.64	19.66	609.60	12.70	41.15	24.00	812.80	692.15	1.60	231.82

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 300 Threaded RF Flanges Dimensions

Size		Outside Diam.	Bore Diam.	Thick-ness	Total Thick-ness	Diam. at Base of Hub	Thread Length	Holes			Raised Face		Net Weight
								Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B2	t	T2	X	Q	h	n	K	G	f	kg
15	½	95.25	22.35	14.22	22.35	38.10	15.75	15.75	4.00	66.55	35.05	1.60	0.65
20	¾	117.35	27.69	15.75	25.40	47.75	15.75	19.05	4.00	82.55	42.93	1.60	1.11
25	1	123.95	34.54	17.53	26.92	53.85	17.53	19.05	4.00	88.90	50.80	1.60	1.37
32	1¼	133.35	43.18	19.05	26.92	63.50	20.57	19.05	4.00	98.55	63.50	1.60	1.69
40	1½	155.45	49.53	20.57	30.23	69.85	22.35	22.35	4.00	114.30	73.15	1.60	2.49
50	2	165.10	61.98	22.35	33.27	84.07	28.45	19.05	8.00	127.00	91.95	1.60	2.89
65	2½	190.50	74.68	25.40	38.10	100.08	31.75	22.35	8.00	149.35	104.65	1.60	4.33
80	3	209.55	90.68	28.45	42.93	117.35	31.75	22.35	8.00	168.15	127.00	1.60	5.83
90	3½	228.60	103.38	30.23	44.45	133.35	36.58	22.35	8.00	184.15	139.70	1.60	7.36
100	4	254.00	116.08	31.75	47.75	146.05	36.58	22.35	8.00	200.15	157.53	1.60	9.65
125	5	279.40	143.76	35.05	50.80	177.80	42.93	22.35	8.00	234.95	185.67	1.60	12.23
150	6	317.50	170.69	36.58	52.32	206.25	45.97	22.35	12.00	269.75	215.90	1.60	15.66
200	8	381.00	221.49	41.15	61.98	260.35	50.80	25.40	12.00	330.20	269.75	1.60	24.22
250	10	444.50	276.35	47.75	66.55	320.55	55.63	28.45	16.00	387.35	323.85	1.60	34.18
300	12	520.70	327.15	50.80	73.15	374.65	60.45	31.75	16.00	450.85	381.00	1.60	49.91
350	14	584.20	359.16	53.85	76.20	425.45	63.50	31.75	20.00	514.35	412.75	1.60	69.54
400	16	647.70	410.46	57.15	82.55	482.60	68.33	35.05	20.00	571.50	469.90	1.60	88.25
450	18	711.20	461.77	60.45	88.90	533.40	69.85	35.05	24.00	628.65	533.40	1.60	108.76
500	20	774.70	513.08	63.50	95.25	587.25	73.15	35.05	24.00	685.80	584.20	1.60	134.18
600	24	914.40	615.95	69.85	106.43	701.55	82.55	41.15	24.00	812.80	692.15	1.60	201.66

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 300 Slip-on Flanges Dimensions

Size		Outside Diam.	Bore Diam.	Thickness	Total Thickness	Diam. of Base of Hub	Holes			Raised Face		Net Weight
							Diam.	No.	P.C.D	Outside Diam.	Thickness	
mm	inch	D	B2	t	T2	X	h	n	K	G	f	kg
15	½	95.25	22.35	14.22	22.35	38.10	15.75	4.00	66.55	35.05	1.60	0.65
20	¾	117.35	27.69	15.75	25.40	47.75	19.05	4.00	82.55	42.93	1.60	1.11
25	1	123.95	34.54	17.53	26.92	53.85	19.05	4.00	88.90	50.80	1.60	1.37
32	1¼	133.35	43.18	19.05	26.92	63.50	19.05	4.00	98.55	63.50	1.60	1.69
40	1½	165.45	49.53	20.57	30.23	69.85	22.35	4.00	114.30	73.15	1.60	2.49
50	2	165.10	61.98	22.35	33.27	84.07	19.05	8.00	127.00	91.95	1.60	2.89
65	2½	190.50	74.68	25.40	38.10	100.08	22.35	8.00	149.35	104.65	1.60	4.33
80	3	209.55	90.68	28.45	42.93	117.35	22.35	8.00	168.15	127.00	1.60	5.83
90	3½	228.60	103.38	30.23	44.45	133.35	22.35	8.00	184.15	139.70	1.60	7.36
100	4	254.00	116.08	31.75	47.75	146.05	22.35	8.00	200.15	157.23	1.60	9.65
125	5	279.40	143.76	35.05	50.80	177.80	22.35	8.00	234.95	185.67	1.60	12.23
150	6	317.50	170.69	38.58	52.32	206.25	22.35	12.00	269.75	215.90	1.60	15.66
200	8	381.00	221.49	41.15	61.98	260.35	25.40	12.00	330.20	269.75	1.60	24.22
250	10	444.50	276.35	47.75	66.55	320.55	28.45	16.00	387.35	323.85	1.60	34.18
300	12	520.70	327.15	50.80	73.15	374.65	31.75	16.00	450.85	381.00	1.60	49.91
350	14	584.20	359.16	53.85	76.20	425.45	31.75	20.00	514.35	412.75	1.60	69.54
400	16	647.70	410.46	57.15	82.55	482.60	35.05	20.00	571.50	469.90	1.60	88.25

450	18	711.20	461.77	60.45	88.90	533.40	35.05	24.00	628.65	533.40	1.60	108.76
500	20	774.70	513.08	63.50	95.25	587.25	35.05	24.00	685.80	584.20	1.60	134.18
600	24	914.40	615.95	69.85	106.43	701.55	41.15	24.00	812.80	692.15	1.60	201.66

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 300 Lap Joint RF Flanges Dimensions

Size		Outside Diam.	Bore Diam.	Thick-ness	Lengtht hrHu b	Diam.a t Baseof Hub	Holes			Radius ofFillet	RaisedFace		NetWeight
							Diam.	No.	P.C.D		Outside Diam.	Thick-ness	
mm	inch	D	B3	t	T3	X	h	n	K	R	G	f	kg
15	1/2	95.25	22.86	14.22	22.35	38.10	15.75	4.00	66.55	3.05	35.05	1.60	0.64
20	3/4	117.35	28.19	15.75	25.40	47.75	19.05	4.00	82.55	3.05	42.93	1.60	1.11
25	1	123.95	35.05	17.53	26.92	53.85	19.05	4.00	88.90	3.05	50.80	1.60	1.36
32	1 1/4	133.35	43.69	19.05	26.92	63.50	19.05	4.00	98.55	4.83	63.50	1.60	1.68
40	1 1/2	155.45	50.04	20.57	30.23	69.85	22.35	4.00	114.30	6.35	73.15	1.60	2.48
50	2	165.10	62.48	22.35	33.27	84.07	19.05	8.00	127.00	7.87	91.95	1.60	2.88
65	2 1/2	190.50	75.44	25.40	38.10	100.08	22.35	8.00	149.35	7.87	104.65	1.60	4.30
80	3	209.55	91.44	28.45	42.93	117.35	22.35	8.00	168.15	9.65	127.00	1.60	5.79
90	3 1/2	228.60	104.14	30.23	44.45	133.35	22.35	8.00	184.15	9.65	139.70	1.60	7.31
100	4	254.00	116.84	31.75	47.75	146.05	22.35	8.00	200.15	11.18	157.53	1.60	9.60
125	5	279.40	144.53	35.05	50.80	177.80	22.35	8.00	234.95	11.18	185.67	1.60	12.16
150	6	317.50	171.45	36.58	52.32	206.25	22.35	12.00	269.75	12.70	215.90	1.60	15.58
200	8	381.00	222.25	41.15	61.98	260.35	25.40	12.00	330.20	12.70	269.75	1.60	24.09
250	10	444.50	277.37	47.75	95.25	320.55	28.45	16.00	387.35	12.70	323.85	1.60	38.52
300	12	520.70	328.17	50.80	101.60	374.65	31.75	16.00	450.85	12.70	381.00	1.60	55.34
350	14	584.20	360.17	53.85	111.25	425.45	31.75	20.00	514.35	12.70	412.75	1.60	80.28
400	16	647.70	411.23	57.15	120.65	482.60	35.05	20.00	571.50	12.70	469.90	1.60	102.92
450	18	711.20	462.28	60.45	130.05	533.40	35.05	24.00	628.65	12.70	533.40	1.60	126.47
500	20	774.70	514.35	63.50	139.70	587.25	35.05	24.00	685.80	12.70	584.20	1.60	155.43

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 300 Socket Weld RF Flanges Dimensions

Size		Outside Diam.	Bore DiameterS TD		BoreDiam eterXS		Thick-ness	Socket Depth	TotalT hick-ness	Diam.at Baseof Hub	Holes			RaisedFace		NetW eight
			B2	B1	B2	B1					Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B2	B1	B2	B1	t	Y	T2	X	h	n	K	G	f	kg
15	1/2	95.25	22.35	15.75	22.35	13.87	14.22	9.65	22.35	38.10	15.75	4.00	66.55	35.05	1.60	0.67
20	3/4	117.35	27.69	20.83	27.69	18.85	15.75	11.18	25.40	47.75	19.05	4.00	82.55	42.93	1.60	1.14
25	1	123.95	34.54	26.67	34.54	24.31	17.53	12.70	26.92	53.85	19.05	4.00	88.90	50.80	1.60	1.41
32	1 1/4	133.35	43.18	35.05	43.18	32.46	19.05	14.22	26.92	63.50	19.05	4.00	98.55	63.50	1.60	1.74
40	1 1/2	155.45	49.53	40.89	49.53	38.10	20.57	15.75	30.23	69.85	22.35	4.00	114.30	73.15	1.60	2.56
50	2	165.10	61.98	52.58	61.98	49.25	22.35	17.53	33.27	84.07	19.05	8.00	127.00	91.95	1.60	3.00
65	2 1/2	190.50	74.68	62.74	74.68	59.00	25.40	19.05	38.10	100.08	22.35	8.00	149.35	104.65	1.60	4.52
80	3	209.55	90.68	77.98	90.68	73.66	28.45	20.57	42.93	117.35	22.35	8.00	168.15	127.00	1.60	6.13
90	3 1/2	228.60	103.38	90.17	103.38	85.45	30.23	22.35	44.45	133.35	22.35	8.00	184.15	139.70	1.60	7.70
100	4	254.00	116.08	102.36	116.08	97.18	31.75	23.88	47.75	146.05	22.35	8.00	200.15	157.53	1.60	10.09
125	5	279.40	143.76	128.27	143.76	122.25	35.05	23.88	50.80	177.80	22.35	8.00	234.95	185.67	1.60	12.93
150	6	317.50	170.69	154.18	170.69	146.33	36.58	26.92	52.32	206.25	22.35	12.00	269.75	215.90	1.60	16.50
200	8	381.00	221.49	202.69	221.49	193.68	41.15	31.75	61.98	260.35	25.40	12.00	330.20	269.75	1.60	25.70
250	10	444.50	276.35	254.51	276.35	247.65	47.75	33.27	66.55	320.55	28.45	16.00	387.35	323.85	1.60	36.56
300	12	520.70	327.15	304.80	327.15	298.45	50.80	39.62	73.15	374.65	31.75	16.00	450.85	381.00	1.60	52.83
350	14	584.20	359.16	336.55	359.16	330.20	53.85	41.40	76.20	425.45	31.75	20.00	514.35	412.75	1.60	72.92
400	16	647.70	410.46	387.35	410.46	381.00	57.15	44.45	82.55	482.60	35.05	20.00	571.50	469.90	1.60	92.58
450	18	711.20	461.77	438.15	461.77	431.80	60.45	49.28	88.90	533.40	35.05	24.00	628.65	533.40	1.60	113.95
500	20	774.70	513.08	489.95	513.08	482.60	63.50	54.10	95.25	587.25	35.05	24.00	685.80	584.20	1.60	140.32
600	24	914.40	615.95	590.55	615.95	584.20	69.85	63.50	106.43	701.55	41.15	24.00	812.80	692.15	1.60	209.77

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 300 Blind RF Flanges Dimensions

Size		OutsideDi ameter	Thickness	Holes			RaisedFace		NetWe ight
				Diameter	Number	P.C.D	Outside Di- ameter	Thickness	
mm	inch	D	t	h	n	K	G	f	kg

15	1/2	95.25	14.22	15.75	4.00	66.55	35.05	1.60	0.64
20	3/4	117.35	15.75	19.05	4.00	82.55	42.93	1.60	1.10
25	1	123.95	17.53	19.05	4.00	88.90	50.80	1.60	1.40
32	1 1/4	133.35	19.05	19.05	4.00	98.55	63.50	1.60	1.80
40	1 1/2	165.45	20.57	22.35	4.00	114.30	73.15	1.60	2.65
50	2	165.10	22.35	19.05	8.00	127.00	91.95	1.60	3.21
65	2 1/2	190.50	25.40	22.35	8.00	149.35	104.65	1.60	4.86
80	3	209.55	28.45	22.35	8.00	168.15	127.00	1.60	6.78
90	3 1/2	228.60	30.23	22.35	8.00	184.15	139.70	1.60	8.73
100	4	254.00	31.75	22.35	8.00	200.15	157.23	1.60	11.51
125	5	279.40	35.05	22.35	8.00	234.95	185.67	1.60	15.63
150	6	317.50	38.58	22.35	12.00	269.75	215.90	1.60	20.93
200	8	381.00	41.15	25.40	12.00	330.20	269.75	1.60	34.26
250	10	444.50	47.75	28.45	16.00	387.35	323.85	1.60	53.61
300	12	520.70	50.80	31.75	16.00	450.85	381.00	1.60	78.84
350	14	584.20	53.85	31.75	20.00	514.35	412.75	1.60	105.20
400	16	647.70	57.15	35.05	20.00	571.50	469.90	1.60	137.53
450	18	711.20	60.45	35.05	24.00	628.65	533.40	1.60	175.73
500	20	774.70	63.50	35.05	24.00	685.80	584.20	1.60	221.27
600	24	914.40	69.85	41.15	24.00	812.80	692.15	1.60	339.61

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 600 Weld Neck RF Flanges Dimensions

Size		Outside Diam.	Bore Diam. STD	Thick-ness	TotalT hick-ness	Neck		Hub		Radius	Holes			RaisedFace	
						Base Diam.	Thick-ness	Thick-ness	Diam.		Diam.	No.	P.C.D	Outside Diam.	Thick-ness
mm	inch	D	B1*	t	T1	X	t2	t1	A	R	h	n	K	G	f
15	1/2	95.25	15.75	14.22	52.32	38.10	30.48	7.62	21.34	3.05	15.75	4.00	66.55	35.05	6.40
20	3/4	117.35	20.83	15.75	57.15	47.75	33.02	8.38	26.67	3.05	19.05	4.00	82.55	42.93	6.40
25	1	123.95	26.67	17.53	61.98	53.85	35.56	8.89	33.53	3.05	19.05	4.00	88.90	50.80	6.40
32	1 1/4	133.35	35.05	20.57	66.55	63.50	36.83	9.14	42.16	4.83	19.05	4.00	98.55	63.50	6.40
40	1 1/2	155.45	40.89	22.35	69.85	69.85	38.10	9.40	48.26	6.35	22.35	4.00	114.30	73.15	6.40
50	2	165.10	52.58	25.40	73.15	84.07	38.10	9.65	60.45	7.87	19.05	8.00	127.00	91.95	6.40
65	2 1/2	190.50	62.74	28.45	79.25	100.08	40.64	10.16	73.15	7.87	22.35	8.00	149.35	104.65	6.40
80	3	209.55	77.98	31.75	82.55	117.35	40.64	10.16	88.90	9.65	22.35	8.00	168.15	127.00	6.40
90	3 1/2	228.60	90.17	35.05	85.85	133.35	40.64	10.16	101.60	9.65	25.40	8.00	184.15	139.70	6.40
100	4	273.05	102.36	38.10	101.60	152.40	50.80	12.70	114.30	11.18	25.40	8.00	215.90	157.53	6.40
125	5	330.20	128.27	44.45	114.30	188.98	55.88	13.97	141.22	11.18	28.45	8.00	266.70	185.67	6.40
150	6	355.60	154.18	47.75	117.35	222.25	55.63	13.97	168.40	12.70	28.45	12.00	292.10	215.90	6.40
200	8	419.10	202.69	55.63	133.35	273.05	62.23	15.49	219.20	12.70	31.75	12.00	349.25	269.75	6.40
250	10	508.00	254.51	63.50	152.40	342.90	71.12	17.78	273.05	12.70	35.05	16.00	431.80	323.85	6.40
300	12	558.80	304.80	66.55	155.45	400.05	71.12	17.78	323.85	12.70	35.05	20.00	488.95	381.00	6.40
350	14	603.25	336.55	69.85	165.10	431.80	76.20	19.05	355.60	12.70	38.10	20.00	527.05	412.75	6.40
400	16	685.80	387.35	76.20	177.80	495.30	81.28	20.32	406.40	12.70	41.15	20.00	603.25	469.90	6.40
450	18	742.95	438.15	82.55	184.15	546.10	81.28	20.32	457.20	12.70	44.45	20.00	654.05	533.40	6.40
500	20	812.80	488.95	88.90	190.50	609.60	81.28	20.32	508.00	12.70	44.45	24.00	723.90	584.20	6.40

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 600 Threaded RF Flanges Dimensions

Size		Outside Diam.	Bore Diam. STD	Thick-ness	TotalT hick-ness	Dia.at Base of Hub	Thread Length	Holes			RaisedFace		NetWeight
								Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B1	t	T2	X	Q	h	n	K	G	f	Kg
15	1/2	95.25	22.35	14.22	22.35	38.10	15.75	15.75	4.00	66.55	35.05	6.40	0.74
20	3/4	117.35	27.69	15.75	25.40	47.75	15.75	19.05	4.00	82.55	42.93	6.40	1.25
25	1	123.95	34.54	17.53	26.92	53.85	17.53	19.05	4.00	88.90	50.80	6.40	1.53
32	1 1/4	133.35	43.18	20.57	28.45	63.50	20.57	19.05	4.00	98.55	63.50	6.40	2.02
40	1 1/2	155.45	49.53	22.35	31.75	69.85	22.35	22.35	4.00	114.30	73.15	6.40	2.97
50	2	165.10	61.98	25.40	36.58	84.07	28.45	19.05	8.00	127.00	91.95	6.40	3.62
65	2 1/2	190.50	74.68	28.45	41.15	100.08	31.75	22.35	8.00	149.35	104.65	6.40	5.24
80	3	209.55	90.68	31.75	45.97	117.35	35.05	22.35	8.00	168.15	127.00	6.40	7.00
90	3 1/2	228.60	103.38	35.05	49.28	133.35	39.62	25.40	8.00	184.15	139.70	6.40	8.84
100	4	273.05	116.08	38.10	53.85	152.40	41.15	25.40	8.00	215.90	157.23	6.40	14.52
125	5	330.20	143.76	44.45	60.45	188.98	47.75	28.45	8.00	266.70	185.67	6.40	24.47
150	6	355.60	170.69	47.75	66.55	222.25	50.80	28.45	12.00	292.10	215.90	6.40	28.82
200	8	419.10	221.49	55.63	76.20	273.05	57.15	31.75	12.00	349.25	269.75	6.40	43.43
250	10	508.00	276.35	63.50	85.85	342.90	65.02	35.05	16.00	431.80	323.85	6.40	70.23

300	12	558.80	327.15	66.55	91.95	400.05	69.85	35.05	20.00	488.95	381.00	6.40	83.92
350	14	603.25	359.16	69.85	93.73	431.80	60.45	38.10	20.00	527.05	412.75	6.40	98.74
400	16	685.80	410.46	76.20	106.43	495.30	77.72	41.15	20.00	603.25	469.90	6.40	142.27
450	18	742.95	461.77	82.55	117.35	546.10	79.25	44.45	20.00	654.05	533.40	6.40	173.32
500	20	812.80	513.08	88.90	127.00	609.60	82.55	44.45	24.00	723.90	584.20	6.40	220.33
600	24	939.90	615.95	101.60	139.70	717.55	91.95	50.80	24.00	838.20	692.15	6.40	312.53

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 600 Slip-on Flanges Dimensions

Size		Outside Diam.	BoreD iam.	Thick-ness	TotalT hick-ness	Dia.at Base ofHub	Holes			RaisedFace		NetW eight
							Diam.	Number	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B2	t	T2	X	h	n	K	G	f	Kg
15	1/2	95.25	22.35	14.22	22.35	38.10	15.75	4.00	66.55	35.05	6.40	0.74
20	3/4	117.35	27.69	15.75	25.40	47.75	19.05	4.00	82.55	42.93	6.40	1.25
25	1	123.95	34.54	17.53	26.92	53.85	19.05	4.00	88.90	50.80	6.40	1.53
32	1 1/4	133.35	43.18	20.57	28.45	63.50	19.05	4.00	98.55	63.50	6.40	2.02
40	1 1/2	155.45	49.53	22.35	31.75	69.85	22.35	4.00	114.30	73.15	6.40	2.97
50	2	165.10	61.98	25.40	36.58	84.07	19.05	8.00	127.00	91.95	6.40	3.62
65	2 1/2	190.50	74.68	28.45	41.15	100.08	22.35	8.00	149.35	104.65	6.40	5.24
80	3	209.55	90.68	31.75	45.97	117.35	22.35	8.00	168.15	127.00	6.40	7.00
90	3 1/2	228.60	103.38	35.05	49.58	133.35	25.40	8.00	169.15	139.70	6.40	8.84
100	4	273.05	116.08	38.10	53.85	152.40	25.40	8.00	215.90	157.53	6.40	14.52
125	5	330.20	143.76	44.45	80.45	188.98	28.45	8.00	266.70	185.67	6.40	24.47
150	6	355.60	170.69	47.75	66.55	222.25	28.45	12.00	292.0	215.90	6.40	28.82
200	8	419.10	221.49	55.63	76.20	273.05	31.75	12.00	349.25	269.75	6.40	43.43
250	10	508.00	276.35	63.50	85.85	342.90	35.05	16.00	431.80	323.85	6.40	70.23
300	12	558.80	327.15	66.55	91.95	400.05	35.05	20.00	488.95	381.00	6.40	83.92
350	14	603.25	359.16	69.85	93.73	431.80	38.10	20.00	527.05	412.75	6.40	98.74
400	16	685.80	410.46	76.20	106.43	495.30	41.15	20.00	603.25	469.90	6.40	142.27
450	18	742.95	461.77	82.55	117.35	546.10	44.45	20.00	654.05	533.40	6.40	173.32
500	20	812.80	513.08	88.90	127.00	609.60	44.45	24.00	723.90	584.20	6.40	220.33
600	24	939.80	615.95	101.60	139.70	717.55	50.80	24.00	838.20	692.15	6.40	312.53

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 600 Lap Joint RF Flanges Dimensions

Size		Outside Diam.	Bore Diam. STD	Thick-ness	Length hruHub	Dia.at Base ofHub	Holes			Radius ofFillet	RaisedFace		NetW eight
							Diam.	No.	P.C.D		Outside Diam.	Thick-ness	
mm	inch	D	B3	t	T3	X	h	n	K	R	G	f	Kg
15	1/2	95.25	22.86	14.22	22.35	38.10	15.75	4.00	66.55	3.05	35.05	6.40	0.74
20	3/4	117.35	28.19	15.75	25.40	47.75	19.05	4.00	82.55	3.05	42.93	6.40	1.25
25	1	123.95	35.05	17.53	26.92	53.85	19.05	4.00	88.90	3.05	50.80	6.40	1.52
32	1 1/4	133.35	43.69	20.57	28.45	63.50	19.05	4.00	98.55	4.83	63.50	6.40	2.02
40	1 1/2	155.45	50.04	22.35	31.75	69.85	22.35	4.00	114.30	6.35	73.15	6.40	2.96
50	2	165.10	62.48	25.40	36.58	84.07	19.05	8.00	127.00	7.87	91.95	6.40	3.60
65	2 1/2	190.50	75.44	28.45	41.15	100.08	22.35	8.00	149.35	7.87	104.65	6.40	5.21
80	3	209.55	91.44	31.75	45.97	117.35	22.35	8.00	168.15	9.65	127.00	6.40	6.96
90	3 1/2	228.60	104.14	35.05	49.28	133.35	25.40	8.00	184.15	9.65	139.70	6.40	8.78
100	4	273.05	116.84	38.10	53.85	152.40	25.40	8.00	215.90	11.18	157.53	6.40	14.46
125	5	330.20	144.53	44.45	60.45	188.98	28.45	8.00	266.70	11.18	185.67	6.40	24.38
150	6	355.60	171.45	47.75	66.55	222.25	28.45	12.00	292.10	12.70	215.90	6.40	28.71
200	8	419.10	222.25	55.63	76.20	273.05	31.75	12.00	349.25	12.70	269.75	6.40	43.26
250	10	508.00	277.37	63.50	111.25	342.90	35.05	16.00	431.80	12.70	323.85	6.40	76.28
300	12	558.80	328.17	66.55	117.35	400.05	35.05	20.00	488.95	12.70	381.00	6.40	91.71
350	14	603.25	360.17	69.85	127.00	431.80	38.10	20.00	527.05	12.70	412.75	6.40	109.93
400	16	685.80	411.23	76.20	139.70	495.30	41.15	20.00	603.25	12.70	469.90	6.40	157.46
450	18	742.95	462.28	82.55	152.40	546.10	44.45	20.00	654.05	12.70	533.40	6.40	191.22
500	20	812.80	514.35	88.90	165.10	609.60	44.45	24.00	723.90	12.70	584.20	6.40	244.41
600	24	939.90	615.95	101.60	184.15	717.55	50.80	24.00	838.20	12.70	692.15	6.40	349.66

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 600 Socket Weld RF Flanges Dimensions

Size		Outside Diam.	Bore Diam.	Thick-ness	Length hruHub	Dia.at Base ofHub	Holes	Radius ofFillet	RaisedFace	NetW eight
mm	inch	D	B3	t	T3	X	Diam.	R	G	Kg

Size		Outside Diam.	Bore Diameter STD		Bore Diameter XS		Thickness	Socket Depth	Total Thickness	Base of Hub	Diam.	No.	P.C.D	Outside Diam.	Thickness	
mm	inch	D	B2	B1	B2	B1	t	Y	T2	X	h	n	K	G	f	kg
15	1/2	95.25	22.35	15.75	22.35	13.87	14.22	9.65	22.35	38.10	15.75	4.00	66.55	35.05	6.40	0.77
20	3/4	117.35	27.69	20.83	27.69	18.85	15.75	11.18	25.40	47.75	19.05	4.00	82.55	42.93	6.40	1.30
25	1	123.95	34.54	26.67	34.54	24.31	17.53	12.70	26.92	53.85	19.05	4.00	88.90	50.80	6.40	1.59
32	1 1/4	133.35	43.18	35.05	43.18	32.46	20.57	14.22	26.92	63.50	19.05	4.00	98.55	63.50	6.40	2.11
40	1 1/2	155.45	49.53	40.89	49.53	38.10	22.35	15.75	31.75	69.85	22.35	4.00	114.30	73.15	6.40	3.08
50	2	165.10	61.98	52.58	61.98	49.25	25.40	17.53	36.58	84.07	19.05	8.00	127.00	91.95	6.40	3.78
65	2 1/2	190.50	74.68	62.74	74.68	59.00	28.45	19.05	41.15	100.08	22.35	8.00	149.35	104.65	6.40	5.53
80	3	209.55	90.68	77.98	90.68	73.66	31.75	20.57	45.97	117.35	22.35	8.00	168.15	127.00	6.40	7.42
90	3 1/2	228.60	103.38	90.17	103.38	85.45	35.05	22.35	49.28	133.35	25.40	8.00	184.15	139.70	6.40	9.36
100	4	273.05	116.08	102.36	116.08	97.18	38.10	23.88	53.85	152.40	25.40	8.00	215.90	157.53	6.40	15.19
125	5	330.20	143.76	128.27	143.76	122.25	44.45	23.88	60.45	188.98	28.45	8.00	266.70	185.67	6.40	25.58
150	6	355.60	170.69	154.18	170.69	146.33	47.75	26.92	66.55	222.25	28.45	12.00	292.10	215.90	6.40	30.34
200	8	419.10	221.49	202.69	221.49	193.68	55.63	31.75	76.20	273.05	31.75	12.00	349.25	269.75	6.40	45.93
250	10	508.00	276.35	254.51	276.35	247.65	63.50	33.27	85.85	342.90	35.05	16.00	431.80	323.85	6.40	74.45
300	12	558.80	327.15	304.80	327.15	298.45	66.55	39.62	91.95	400.05	35.05	20.00	488.95	381.00	6.40	89.03
350	14	603.25	359.16	336.55	359.16	330.20	69.85	41.40	93.73	431.80	38.10	20.00	527.05	412.75	6.40	104.43
400	16	685.80	410.46	387.35	410.46	381.00	76.20	44.45	106.43	495.30	41.15	20.00	603.25	469.90	6.40	150.03
450	18	742.95	461.77	438.15	461.77	431.80	82.55	49.28	117.35	546.10	44.45	20.00	654.05	533.40	6.40	183.07
500	20	812.80	513.08	489.95	513.08	482.60	88.90	54.10	127.00	609.60	44.45	24.00	723.90	584.20	6.40	232.14
600	24	939.80	615.95	590.55	615.95	584.20	101.60	63.50	139.70	717.55	50.80	24.00	838.20	692.15	6.40	328.13

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 600 Blind RF Flanges Dimensions

Size		Outside Diameter	Thickness	Holes			Raised Face		Net Weight
				Diameter	Number	P.C.D	Outside Diameter	Thickness	
mm	inch	D	t	h	n	K	G	f	Kg
15	1/2	95.25	14.22	15.75	4.00	66.55	35.05	6.40	0.76
20	3/4	117.35	15.75	19.05	4.00	82.55	42.93	6.40	1.27
25	1	123.95	17.53	19.05	4.00	88.90	50.80	6.40	1.60
32	1 1/4	133.35	20.57	19.05	4.00	98.55	63.50	6.40	3.23
40	1 1/2	155.45	22.35	22.35	4.00	114.30	73.15	6.40	3.26
50	2	165.10	25.40	19.05	8.00	127.00	91.95	6.40	4.14
65	2 1/2	190.50	28.45	22.35	8.00	149.35	104.65	6.40	6.09
80	3	209.55	31.75	22.35	8.00	168.15	127.00	6.40	8.44
90	3 1/2	228.60	35.05	25.40	8.00	169.15	139.70	6.40	10.94
100	4	273.05	38.10	25.40	8.00	200.15	157.53	6.40	17.27
125	5	330.20	44.45	28.45	8.00	234.95	185.67	6.40	29.46
150	6	355.60	47.75	28.45	12.00	269.75	215.90	6.40	36.19
200	8	419.10	55.63	31.75	12.00	330.20	269.75	6.40	58.94
250	10	508.00	63.50	35.05	16.00	387.35	323.85	6.40	97.44
300	12	558.80	66.55	35.05	20.00	450.85	381.00	6.40	123.72
350	14	603.25	69.85	38.10	20.00	514.35	412.75	6.40	150.89
400	16	685.80	76.20	41.15	20.00	571.50	469.90	6.40	213.69
450	18	742.95	82.55	44.45	24.00	628.65	533.40	6.40	267.93
500	20	812.80	88.90	44.45	24.00	685.80	584.20	6.40	349.47
600	24	939.80	101.60	50.80	24.00	812.80	692.15	6.40	533.21

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 900 Weld Neck RF Flanges Dimensions

Size		Outside Diam.	Bore Diam. STD	Thickness	Total Thickness	Neck		Hub		Radius	Holes			Raised Face		Net Weight
						Base Diam.	Thickness	Thickness	Diam.		Diam.	No.	P.C.D	Outside Diam.	Thickness	
mm	inch	D	B1*	t	T1	X	t2	t1	A	R	h	n	K	G	f	Kg
15	1/2	120.65	15.80	22.35	60.45	38.10	30.48	7.62	21.34	3.05	22.35	4.00	82.55	35.05	6.40	1.88
20	3/4	130.05	20.93	25.40	69.85	44.45	35.56	8.89	26.67	3.05	22.35	4.00	88.90	42.93	6.40	2.54
25	1	149.35	26.64	28.45	73.15	52.32	35.76	8.94	33.53	3.05	25.40	4.00	101.60	50.80	6.40	3.72
32	1 1/4	158.75	35.05	28.45	73.15	63.50	35.76	8.94	42.16	4.83	25.40	4.00	111.25	63.50	6.40	4.29
40	1 1/2	177.80	40.89	31.75	82.55	69.85	40.64	10.16	48.56	6.35	28.45	4.00	123.95	73.15	6.40	5.94
50	2	215.90	52.50	38.10	101.60	104.65	50.80	12.70	60.45	7.87	25.40	8.00	165.10	91.95	6.40	10.81
65	2 1/2	244.35	62.71	41.15	104.65	123.95	50.80	12.70	73.15	7.87	28.45	8.00	190.50	104.65	6.40	14.92

80	3	241.30	77.93	38.10	101.60	127.00	50.80	12.70	88.90	9.65	25.40	8.00	190.50	127.00	6.40	13.60
100	4	292.10	102.26	44.45	114.30	158.75	55.88	13.97	114.30	11.18	31.75	8.00	234.95	157.23	6.40	22.37
125	5	349.25	128.19	50.80	127.00	190.50	60.96	15.24	141.22	11.18	35.05	8.00	279.40	185.67	6.40	35.90
150	6	381.00	154.05	55.63	139.70	234.95	67.26	16.81	168.40	12.70	31.75	12.00	317.50	215.90	6.40	46.98
200	8	469.90	202.72	63.50	162.05	298.45	78.84	19.71	219.20	12.70	38.10	12.00	393.70	269.75	6.40	80.07
250	10	546.10	254.51	69.85	184.15	368.30	91.44	22.86	273.05	12.70	38.10	16.00	469.90	323.85	6.40	117.90
300	12	609.60	304.80	79.25	200.15	419.10	96.72	24.18	323.85	12.70	38.10	20.00	533.40	381.00	6.40	156.80
350	14	641.35	336.55	85.85	212.85	450.85	101.60	25.40	355.60	12.70	41.15	20.00	558.80	412.75	6.40	179.94
400	16	704.85	387.35	88.90	215.90	508.00	101.60	25.40	406.40	12.70	44.45	20.00	615.95	469.90	6.40	216.91
450	18	787.40	438.15	101.60	228.60	565.15	101.60	25.40	457.20	12.70	50.80	20.00	685.80	533.40	6.40	293.63
500	20	857.25	488.95	107.95	247.65	622.30	111.76	27.94	508.00	12.70	53.85	20.00	749.30	584.20	6.40	364.11
600	24	1041.40	590.55	139.70	292.10	749.30	121.92	30.48	609.60	12.70	66.55	20.00	901.70	692.15	6.40	666.57

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 900 Threaded RF Flanges Dimensions

Size		OutsideD iam.	BoreDi am.	Thick- ness	TotalT hick- ness	Dia.a t BaseofHu b	Thread Length	Holes			RaisedFace		NetWeight
								Diam.	Number	P.C.D	Outside Diam.	Thick- ness	
mm	inch	D	B2	t	T2	X	Q	h	n	K	G	f	Kg
15	1/2	120.65	22.35	22.35	31.75	38.10	22.35	22.35	4.00	82.55	35.05	6.40	1.75
20	3/4	130.05	27.69	25.40	35.05	44.45	25.40	22.35	4.00	88.90	42.93	6.40	2.33
25	1	149.35	34.54	28.45	41.15	52.32	28.45	25.40	4.00	101.60	50.80	6.40	3.43
32	1 1/4	158.75	43.18	28.45	41.15	63.50	30.23	25.40	4.00	111.25	63.50	6.40	3.90
40	1 1/2	177.80	49.53	31.75	44.45	69.85	31.75	28.45	4.00	123.95	73.15	6.40	5.38
50	2	215.90	61.98	38.10	57.15	104.65	38.10	25.40	8.00	165.10	91.95	6.40	9.85
65	2 1/2	244.35	74.68	41.15	63.50	123.95	47.75	28.45	8.00	190.50	104.65	6.40	13.65
80	3	241.30	90.68	38.10	53.85	127.00	41.15	25.40	8.00	190.50	127.00	6.40	11.61
100	4	292.10	116.08	44.45	69.85	158.75	47.75	31.75	8.00	234.95	157.23	6.40	19.76
125	5	349.25	143.76	50.80	79.25	190.50	53.85	35.05	8.00	279.40	185.67	6.40	31.93
150	6	381.00	170.69	55.63	85.85	234.95	57.15	31.75	8.00	317.50	215.90	6.40	41.19
200	8	469.90	221.49	63.50	101.60	298.45	63.50	38.10	12.00	393.70	269.75	6.40	70.75
250	10	546.10	276.35	69.85	107.95	368.30	71.37	38.10	16.00	469.90	323.85	6.40	100.58
300	12	609.60	327.15	79.25	117.35	419.10	76.20	38.10	20.00	533.40	381.00	6.40	132.70
350	14	641.35	359.16	85.85	130.05	450.85	82.55	41.15	20.00	558.80	412.75	6.40	153.37
400	16	704.85	410.46	88.90	133.35	508.00	85.85	44.45	20.00	615.95	469.90	6.40	184.90
450	18	787.40	461.77	101.60	152.40	565.15	88.90	50.80	20.00	685.80	533.40	6.40	258.51
500	20	857.25	513.08	107.95	158.75	622.30	91.95	53.85	24.00	749.30	584.20	6.40	317.19
600	24	1041.40	615.95	139.70	203.20	749.30	101.60	66.55	24.00	901.70	692.15	6.40	606.21

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 900 Slip-on Flanges Dimensions

Size		OutsideDi am.	BoreDia m.	Thick- ness	TotalTh ick- ness	Dia.at BaseofHub	Holes			RaisedFace		NetW eight
							Diam.	Number	P.C.D	OutsideDi am.	Thick- ness	
mm	inch	D	B2	t	T2	X	h	n	K	G	f	Kg
15	1/2	120.65	22.35	22.35	31.75	38.10	22.35	4.00	82.55	35.05	6.40	1.75
20	3/4	130.05	27.69	25.40	35.05	44.45	22.35	4.00	88.90	42.93	6.40	2.33
25	1	149.35	34.54	28.45	41.15	52.32	25.40	4.00	101.60	50.80	6.40	3.43
32	1 1/4	158.75	43.18	28.45	41.15	63.50	25.40	4.00	111.25	63.50	6.40	3.90
40	1 1/2	177.80	49.53	31.75	44.45	69.85	28.45	4.00	123.95	73.15	6.40	5.38
50	2	215.90	61.98	38.10	57.15	104.65	25.40	8.00	165.10	91.95	6.40	9.85
65	2 1/2	244.35	74.68	41.15	63.50	123.95	28.45	8.00	190.50	104.65	6.40	13.65
80	3	241.30	90.68	38.10	53.85	127.00	25.40	8.00	190.50	127.00	6.40	11.61
100	4	292.10	116.08	44.45	69.85	158.75	31.75	8.00	234.95	157.23	6.40	19.76
125	5	349.25	143.76	50.80	79.25	190.50	35.05	8.00	279.40	185.67	6.40	31.93
150	6	381.00	170.69	55.63	85.85	234.95	31.75	8.00	317.50	215.90	6.40	41.19
200	8	469.90	221.49	63.50	101.60	298.45	38.10	12.00	393.70	269.75	6.40	70.75
250	10	546.10	276.35	69.85	107.95	368.30	38.10	16.00	469.90	323.85	6.40	100.58
300	12	609.60	327.15	79.25	117.35	419.10	38.10	20.00	533.40	381.00	6.40	132.70
350	14	641.35	359.16	85.85	130.05	450.85	41.15	20.00	558.80	412.75	6.40	153.37
400	16	704.85	410.46	88.90	133.35	508.00	44.45	20.00	615.95	469.90	6.40	184.90
450	18	787.40	461.77	101.60	152.40	565.15	50.80	20.00	685.80	533.40	6.40	258.51
500	20	857.25	513.08	107.95	158.75	622.30	53.85	20.00	749.30	584.20	6.40	317.19
600	24	1041.40	615.95	139.70	203.20	749.30	66.55	20.00	901.70	692.15	6.40	606.21

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 900 Lap Joint RF Flanges Dimensions

Size		OutsideD iam.	BoreDi am.	Thick- ness	Length t	Dia. a t Base of Hu b	Holes			Radius of Fillet	RaisedFace		NetWeight
							Diam.	Number	P.C.D		OutsideD iam.	Thick- ness	
mm	inch	D	B2	t	T3	X	h	n	K	R	G	f	Kg
15	1/2	120.65	22.86	22.35	31.75	38.10	22.35	4.00	82.55	3.05	35.05	6.40	1.74
20	3/4	130.05	28.19	25.40	35.05	44.45	22.35	4.00	88.90	3.05	42.93	6.40	2.32
25	1	149.35	35.05	28.45	41.15	52.32	25.40	4.00	101.60	3.05	50.80	6.40	3.42
32	1 1/4	158.75	43.69	28.45	41.15	63.50	25.40	4.00	111.25	4.83	63.50	6.40	3.88
40	1 1/2	177.80	50.04	31.75	44.45	69.85	28.45	4.00	123.95	6.35	73.15	6.40	5.36
50	2	215.90	62.48	38.10	57.15	104.65	25.40	8.00	165.10	7.87	91.95	6.40	9.83
65	2 1/2	244.35	75.44	41.15	63.50	123.95	28.45	8.00	190.50	7.87	104.65	6.40	13.60
80	3	241.30	91.44	38.10	53.85	127.00	25.40	8.00	190.50	9.65	127.00	6.40	11.56
100	4	292.10	116.84	44.45	69.85	158.75	31.75	8.00	234.95	11.18	157.23	6.40	19.67
125	5	349.25	144.53	50.80	79.25	190.50	35.05	8.00	279.40	11.18	185.67	6.40	31.82
150	6	381.00	171.45	55.63	85.85	234.95	31.75	8.00	317.50	12.70	215.90	6.40	41.04
200	8	469.90	222.25	63.50	114.30	298.45	38.10	12.00	393.70	12.70	269.75	6.40	73.63
250	10	546.10	277.37	69.85	127.00	368.30	38.10	16.00	469.90	12.70	323.85	6.40	107.08
300	12	609.60	328.17	79.25	142.75	419.10	38.10	20.00	533.40	12.70	381.00	6.40	142.84
350	14	641.35	360.17	85.85	155.45	450.85	41.15	20.00	558.80	12.70	412.75	6.40	164.28
400	16	704.85	411.23	88.90	165.10	508.00	44.45	20.00	615.95	12.70	469.90	6.40	201.77
450	18	787.40	462.28	101.60	190.50	565.15	50.80	20.00	685.80	12.70	533.40	6.40	282.88
500	20	857.25	514.35	107.95	209.55	622.30	53.85	24.00	749.30	12.70	584.20	6.40	354.29
600	24	1041.40	615.95	139.70	266.70	749.30	66.55	24.00	901.70	12.70	692.15	6.40	677.48

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 900 Socket Weld RF Flanges Dimensions

Size		Outside Diam.	BoreDiameterST D		BoreDiameterX S		Thick- ness	Socket Depth	TotalT hick- ness	Diam.at Base ofHub	Holes			RaisedFace		NetW eight
											Diam.	No.	P.C.D	Outside Diam.	Thick- ness	
mm	inch	D	B2	B1	B2	B1	t	Y	T2	X	h	n	K	G	f	Kg
15	1/2	120.65	22.35	15.75	22.35	13.87	22.35	9.65	31.75	38.10	22.35	4.00	82.55	35.05	6.40	1.79
20	3/4	130.05	27.69	20.83	27.69	18.85	25.40	11.18	35.05	44.45	22.35	4.00	88.90	42.93	6.40	2.39
25	1	149.35	34.54	26.67	34.54	24.31	28.45	12.70	41.15	52.32	25.40	4.00	101.60	50.80	6.40	3.53
32	1 1/4	158.75	43.18	35.05	43.18	32.46	28.45	14.22	41.15	63.50	25.40	4.00	111.25	63.50	6.40	4.03
40	1 1/2	177.80	49.53	40.89	49.53	38.10	31.75	15.75	44.45	69.85	28.45	4.00	123.95	73.15	6.40	5.55
50	2	215.90	61.98	52.58	61.98	49.25	38.10	17.53	57.15	104.65	25.40	8.00	165.10	91.95	6.40	10.16
65	2 1/2	244.35	74.68	62.74	74.68	59.00	41.15	19.05	63.50	123.95	28.45	8.00	190.50	104.65	6.40	14.16

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 900 Blind RF Flanges Dimensions

Size		OutsideDia meter	Thickness	Holes			RaisedFace		NetWe ight
				Diameter	Number	P.C.D	OutsideDi- ameter	Thickness	
mm	inch	D	t	h	n	K	G	f	Kg
15	1/2	120.65	22.35	22.35	4.00	82.55	35.05	6.40	1.78
20	3/4	130.05	25.40	22.35	4.00	88.90	42.93	6.40	2.41
25	1	149.35	28.45	25.40	4.00	101.60	50.80	6.40	3.56
32	1 1/4	158.75	28.45	25.40	4.00	111.25	63.50	6.40	4.13
40	1 1/2	177.80	31.75	28.45	4.00	123.95	73.15	6.40	5.76
50	2	215.90	38.10	25.40	8.00	165.10	91.95	6.40	10.07
65	2 1/2	244.35	41.15	28.45	8.00	190.50	104.65	6.40	13.93
80	3	241.30	38.10	25.40	8.00	190.50	127.00	6.40	13.10
100	4	292.10	44.45	31.75	8.00	234.95	157.23	6.40	22.14
125	5	349.25	50.80	35.05	8.00	279.40	185.67	6.40	36.47
150	6	381.00	55.63	31.75	12.00	317.50	215.90	6.40	47.46
200	8	469.90	63.50	38.10	12.00	393.70	269.75	6.40	82.47
250	10	546.10	69.85	38.10	16.00	469.90	323.85	6.40	122.54
300	12	609.60	79.25	38.10	20.00	533.40	381.00	6.40	173.07
350	14	641.35	85.85	41.15	20.00	558.80	412.75	6.40	206.46
400	16	704.85	88.90	44.45	20.00	615.95	469.90	6.40	259.29
450	18	787.40	101.60	50.80	20.00	685.80	533.40	6.40	367.18
500	20	857.25	107.95	53.85	20.00	749.30	584.20	6.40	463.86
600	24	1041.40	139.70	66.55	20.00	901.70	692.15	6.40	876.56

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 1500 Weld Neck RF Flanges Dimensions

Size		Outside Diam.	Bore Diam. STD	Thick-ness	Total Thick-ness	Neck		Hub		Radius	Holes			RaisedFace		Net Weight
						Base Diam.	Thick-ness	Thick-ness	Diam.		Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B1*	t	T1	X	t2	t1	A	R	h	n	K	G	f	Kg
15	1/2	120.65	15.80	22.35	60.45	38.10	30.48	7.62	21.34	3.05	22.35	4.00	82.55	35.05	6.40	1.88
20	3/4	130.05	20.93	25.40	69.85	44.45	35.56	8.89	26.67	3.05	22.35	4.00	88.90	42.93	6.40	2.54
25	1	149.35	26.64	28.45	73.15	52.32	35.76	8.94	33.53	3.05	25.40	4.00	101.60	50.80	6.40	3.72
32	1 1/4	158.75	35.05	28.45	73.15	63.50	35.76	8.94	42.16	4.83	25.40	4.00	111.25	63.50	6.40	4.29
40	1 1/2	177.80	40.89	31.75	82.55	69.85	40.64	10.16	48.26	6.35	28.45	4.00	123.95	73.15	6.40	5.94
50	2	215.90	52.50	38.10	101.60	104.65	50.80	12.70	60.45	7.87	25.40	8.00	165.10	91.95	6.40	10.81
65	2 1/2	244.35	62.71	41.15	104.65	123.95	50.80	12.70	73.15	7.87	28.45	8.00	190.50	104.65	6.40	14.92
80	3	266.70	77.93	47.75	117.35	133.35	55.88	13.92	88.90	9.65	31.75	8.00	203.20	127.00	6.40	19.78
100	4	311.15	102.26	53.85	123.95	162.05	56.08	14.02	114.30	11.18	35.05	8.00	241.30	157.23	6.40	29.65
125	5	374.65	128.19	73.15	155.45	196.85	65.84	16.46	141.22	11.18	41.15	8.00	292.10	185.67	6.40	56.52
150	6	393.70	154.05	82.55	171.45	228.60	71.12	17.78	168.40	12.70	38.10	12.00	317.50	215.90	6.40	67.28
200	8	482.60	202.72	91.95	212.85	292.10	96.72	24.18	219.20	12.70	44.45	12.00	393.70	269.75	6.40	113.91
250	10	584.20	254.51	107.95	254.00	368.30	116.84	29.21	273.05	12.70	50.80	12.00	482.60	323.85	6.40	197.25
300	12	673.10	304.80	123.95	282.45	450.85	126.80	31.70	323.85	12.70	53.85	16.00	571.50	381.00	6.40	293.52
350	14	749.30	336.55	133.35	298.45	495.30	132.08	33.02	355.60	12.70	60.45	16.00	635.00	412.75	6.40	386.25
400	16	825.50	387.35	146.05	311.15	552.45	132.08	33.02	406.40	12.70	66.55	16.00	704.85	469.90	6.40	492.86
450	18	914.40	438.15	162.05	327.15	596.90	132.08	33.02	457.20	12.70	73.15	16.00	774.70	533.40	6.40	643.84
500	20	984.25	488.95	177.80	355.60	641.35	142.24	35.56	508.00	12.70	79.25	16.00	831.85	584.20	6.40	788.50

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 1500 Threaded RF Flanges Dimensions

Size		Outside Diam.	Bore Diam.	Thick-ness	Total Thick-ness	Diam. at Base of Hub	Thread Length	Holes			RaisedFace		Net Weight
								Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B1	t	T2	X	Q	h	n	K	G	f	Kg
15	1/2	120.65	22.35	22.35	31.75	38.10	22.35	22.35	4.00	82.55	35.05	6.40	1.75
20	3/4	130.05	27.69	25.40	35.05	44.45	25.40	22.35	4.00	88.90	42.93	6.40	2.33
25	1	149.35	34.54	28.45	41.15	52.32	28.45	25.40	4.00	101.60	50.80	6.40	3.43
32	1 1/4	158.75	43.18	28.45	41.15	63.50	30.23	25.40	4.00	111.25	63.50	6.40	3.90
40	1 1/2	177.80	49.53	31.75	44.45	69.85	31.75	28.45	4.00	123.95	73.15	6.40	5.38
50	2	215.90	61.98	38.10	57.15	104.65	38.10	25.40	8.00	165.10	91.95	6.40	9.85
65	2 1/2	244.35	74.68	41.15	63.50	123.95	47.75	28.45	8.00	190.50	104.65	6.40	13.65
80	3	266.70	90.68	47.75	73.15	133.35	50.80	31.75	8.00	203.20	127.00	6.40	17.95
100	4	311.15	116.08	53.85	90.42	162.05	57.15	35.05	8.00	241.30	157.23	6.40	27.73
125	5	374.65	143.76	73.15	104.65	196.85	63.50	41.15	8.00	292.10	185.67	6.40	51.93
150	6	393.70	170.69	82.55	119.13	228.60	69.85	38.10	12.00	317.50	215.90	6.40	61.09
200	8	482.60	221.49	91.95	142.75	292.10	76.20	44.45	12.00	393.70	269.75	6.40	103.07
250	10	584.20	276.35	107.95	158.75	368.30	84.07	50.80	12.00	482.60	323.85	6.40	175.39
300	12	673.10	327.15	123.95	180.85	450.85	91.95	53.85	16.00	571.50	381.00	6.40	264.24

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 1500 Slip-on Flanges Dimensions

Size		Outside Diameter	Bore Diameter	Thickness	Total Thick-ness	Diam. of Base of Hub	Holes			RaisedFace		Net Weight
							Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B2	t	T2	X	h	n	K	G	f	Kg
15	1/2	120.65	22.35	22.35	31.75	38.10	22.35	4.00	82.55	35.05	6.40	1.75
20	3/4	130.05	27.69	25.40	35.05	44.45	22.35	4.00	88.90	42.93	6.40	2.33
25	1	149.35	34.54	28.45	41.15	52.32	25.40	4.00	101.60	50.80	6.40	3.43
32	1 1/4	158.75	43.18	28.45	41.15	63.50	25.40	4.00	111.25	63.50	6.40	3.90
40	1 1/2	177.80	49.53	31.75	44.45	69.85	28.45	4.00	123.95	73.15	6.40	5.38
50	2	215.90	61.98	38.10	57.15	104.65	25.40	8.00	165.10	91.95	6.40	9.85
65	2 1/2	244.35	74.68	41.15	63.50	123.95	28.45	8.00	190.50	104.65	6.40	13.65
80	3	266.70	90.68	47.75	73.15	133.35	31.75	8.00	203.20	127.00	6.40	17.95
100	4	311.15	116.08	53.85	90.42	162.05	35.05	8.00	241.30	157.23	6.40	27.73

125	5	374.65	143.76	73.15	104.65	196.85	41.15	8.00	292.10	185.67	6.40	51.93
150	6	393.70	170.69	82.55	119.13	228.60	38.10	12.00	317.50	215.90	6.40	61.09
200	8	482.60	221.49	91.95	142.75	292.10	44.45	12.00	393.70	269.75	6.40	103.07
250	10	584.20	276.35	107.95	158.75	368.30	50.80	12.00	482.60	323.85	6.40	175.39
300	12	673.10	327.15	123.95	180.85	450.85	53.85	16.00	571.50	381.00	6.40	264.24

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 1500 Lap Joint RF Flanges Dimensions

Size		Outside Diam.	Bore Diam.	Thick-ness	Length thru Hub	Diam. at Base of Hub	Holes			Radius of Fillet	Raised Face		Net Weight
							Diam.	No.	P.C.D		Outside Diam.	Thick-ness	
mm	inch	D	B3	t	T3	X	h	n	K	R	G	f	Kg
15	1/2	120.65	22.86	22.35	31.75	38.10	22.35	4.00	82.55	3.05	35.05	6.40	1.74
20	3/4	130.05	28.19	25.40	35.05	44.45	22.35	4.00	88.90	3.05	42.93	6.40	2.32
25	1	149.35	35.05	28.45	41.15	52.32	25.40	4.00	101.60	3.05	50.80	6.40	3.42
32	1 1/4	158.75	43.69	28.45	41.15	63.50	25.40	4.00	111.25	4.83	63.50	6.40	3.88
40	1 1/2	177.80	50.04	31.75	44.45	69.85	28.45	4.00	123.95	6.35	73.15	6.40	5.36
50	2	215.90	62.48	38.10	57.15	104.65	25.40	8.00	165.10	7.87	91.95	6.40	9.83
65	2 1/2	244.35	75.44	41.15	63.50	123.95	28.45	8.00	190.50	7.87	104.65	6.40	13.60
80	3	266.70	91.44	47.75	73.15	133.35	31.75	8.00	203.20	9.65	127.00	6.40	17.88
100	4	311.15	116.84	53.85	90.42	162.05	35.05	8.00	241.30	11.18	157.23	6.40	27.62
125	5	374.65	144.53	73.15	104.65	196.85	41.15	8.00	292.10	11.18	185.67	6.40	51.77
150	6	393.70	171.45	82.55	119.13	228.60	38.10	12.00	317.50	12.70	215.90	6.40	60.89
200	8	482.60	222.25	91.95	142.75	292.10	44.45	12.00	393.70	12.70	269.75	6.40	102.76
250	10	584.20	277.37	107.95	177.80	368.30	50.80	12.00	482.60	12.70	323.85	6.40	181.71
300	12	673.10	328.17	123.95	218.95	450.85	53.85	16.00	571.50	12.70	381.00	6.40	285.92
350	14	749.30	360.17	133.35	241.30	495.30	60.45	16.00	635.00	12.70	412.75	6.40	385.41
400	16	825.50	411.23	146.05	260.35	552.45	66.55	16.00	704.85	12.70	469.90	6.40	495.46
450	18	914.40	462.28	162.05	276.35	596.90	73.15	16.00	774.70	12.70	533.40	6.40	639.58
500	20	984.25	514.35	177.80	292.10	641.35	79.25	16.00	831.85	12.70	584.20	6.40	768.22
600	24	1168.40	615.95	203.20	330.20	762.00	91.95	16.00	990.60	12.70	692.15	6.40	1226.98

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 1500 Socket Weld RF Flanges Dimensions

Size		Outside Diam.	Bore Diameter		Bore Diameter		Thick-ness	Socket Depth	Total Thickness	Diam. at Base of Hub	Holes			Raised Face		Net Weight
			D	ST	S	S					Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B2	B1	B2	B1	t	Y	T2	X	h	n	K	G	f	Kg
15	1/2	120.65	22.35	15.75	22.35	13.87	22.35	9.65	31.75	38.10	22.35	4.00	82.55	35.05	6.40	1.79
20	3/4	130.05	27.69	20.83	27.69	18.85	25.40	11.18	35.05	44.45	22.35	4.00	88.90	42.93	6.40	2.39
25	1	149.35	34.54	26.67	34.54	24.31	28.45	12.70	41.15	52.32	25.40	4.00	101.60	50.80	6.40	3.53
32	1 1/4	158.75	43.18	35.05	43.18	32.46	28.45	14.22	41.15	63.50	25.40	4.00	111.25	63.50	6.40	4.03
40	1 1/2	177.80	49.53	40.89	49.53	38.10	31.75	15.75	44.45	69.85	28.45	4.00	123.95	73.15	6.40	5.55
50	2	215.90	61.98	52.58	61.98	49.25	38.10	17.53	57.15	104.65	25.40	8.00	165.10	91.95	6.40	10.16
65	2 1/2	244.35	74.68	62.74	74.68	59.00	41.15	19.05	63.50	123.95	28.45	8.00	190.50	104.65	6.40	14.16
80	3	266.70	90.68	77.98	90.68	73.66	47.75	20.57	73.15	133.35	31.75	8.00	203.20	127.00	6.40	18.73

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 1500 Blind RF Flanges Dimensions

Size		Outside Diameter	Thickness	Holes			Raised Face		Net Weight
				Diameter	Number	P.C.D	Outside Diameter	Thickness	
mm	inch	D	t	h	n	K	G	f	Kg
15	1/2	120.65	22.35	22.35	4.00	82.55	35.05	6.40	1.78
20	3/4	130.05	25.40	22.35	4.00	88.90	42.93	6.40	2.41
25	1	149.35	28.45	25.40	4.00	101.60	50.80	6.40	3.56
32	1 1/4	158.75	28.45	25.40	4.00	111.25	63.50	6.40	4.13
40	1 1/2	177.80	31.75	28.45	4.00	123.95	73.15	6.40	5.76
50	2	215.90	38.10	25.40	8.00	165.10	91.95	6.40	10.07
65	2 1/2	244.35	41.15	28.45	8.00	190.50	104.65	6.40	13.93
80	3	266.70	47.75	31.75	8.00	203.20	127.00	6.40	19.20
100	4	311.15	53.85	35.05	8.00	241.30	157.23	6.40	29.85
125	5	374.65	73.15	41.15	8.00	292.10	185.67	6.40	58.54

150	6	393.70	82.55	38.10	12.00	317.50	215.90	6.40	71.85
200	8	482.60	91.95	44.45	12.00	393.70	269.75	6.40	121.44
250	10	584.20	107.95	50.80	12.00	482.60	323.85	6.40	210.64
300	12	673.10	123.95	53.85	16.00	571.50	381.00	6.40	316.46
350	14	749.30	133.35	60.45	16.00	635.00	412.75	6.40	420.20
400	16	825.50	146.05	66.55	16.00	704.85	469.90	6.40	558.45
450	18	914.40	162.05	73.15	16.00	774.70	533.40	6.40	760.98
500	20	984.25	177.80	79.25	16.00	831.85	584.20	6.40	965.15
600	24	1168.40	203.20	91.95	16.00	990.60	692.15	6.40	1559.56

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 2500 Weld Neck RF Flanges Dimensions

Size		Outside Diam.	Bore Diam. STD	Thick-ness	TotalTh ick-ness	Neck		Hub		Radius	Holes			RaisedFace		NetW eight
						BaseDi am.	Thick-ness	Thick-ness	Diam.		Diam.	No.	P.C.D	Outside Diam.	Thick-ness	
mm	inch	D	B1*	t	T1	X	t2	t1	A	R	h	n	K	G	f	Kg
15	1/2	133.35	15.75	30.23	73.15	42.93	34.29	8.64	21.34	3.05	22.35	4.00	88.90	35.05	6.40	3.13
20	3/4	139.70	20.83	31.75	79.25	50.80	38.10	9.40	26.67	3.05	22.35	4.00	95.25	42.93	6.40	3.69
25	1	158.75	26.67	35.05	88.90	57.15	43.18	10.67	33.53	3.05	25.40	4.00	107.95	50.80	6.40	5.23
32	1 1/4	184.15	35.05	38.10	95.25	73.15	45.72	11.43	42.16	4.83	28.45	4.00	130.05	63.50	6.40	7.73
40	1 1/2	203.20	40.89	44.45	111.25	79.25	53.34	13.46	48.26	6.35	31.75	4.00	146.05	73.15	6.40	10.83
50	2	234.95	52.58	50.80	127.00	95.25	60.96	15.24	60.45	7.87	28.45	8.00	171.45	91.95	6.40	16.09
65	2 1/2	266.70	62.74	57.15	142.75	114.30	68.58	17.02	73.15	7.87	31.75	8.00	196.85	104.65	6.40	23.52
80	3	304.80	77.98	66.55	166.15	133.35	81.28	20.32	88.90	9.65	35.05	8.00	228.60	127.00	6.40	35.67
100	4	355.60	102.36	76.20	190.50	165.10	91.44	22.86	114.30	11.18	41.15	8.00	273.05	157.23	6.40	54.67
125	5	419.10	128.27	91.95	228.60	203.20	109.22	27.43	141.22	11.18	47.75	8.00	323.85	185.67	6.40	90.95
150	6	482.60	154.18	107.95	273.05	234.95	132.08	33.02	168.40	12.70	53.85	8.00	368.30	215.90	6.40	140.57
200	8	552.45	202.69	127.00	317.50	304.80	152.40	38.10	219.20	12.70	53.85	12.00	438.15	269.75	6.40	210.51
250	10	673.10	254.51	165.10	419.10	374.65	203.20	50.80	273.05	12.70	66.55	12.00	539.75	323.85	6.40	399.63
300	12	762.00	304.80	184.15	463.55	441.45	223.52	55.88	323.85	12.70	73.15	12.00	619.25	381.00	6.40	566.01

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 2500 Threaded RF Flanges Dimensions

Size		OutsideDi am.	BoreDia m.	Thick-ness	TotalTh ick-ness	Dia.at BaseofHub	Threadl ength	Holes			RaisedFace		NetW eight
								Diam.	Number	P.C.D	OutsideDi am.	Thick-ness	
mm	inch	D	B2	t	T2	X	Q	h	n	K	G	f	Kg
15	1/2	133.35	22.35	30.23	39.62	42.93	28.45	22.35	4.00	88.90	35.05	6.40	2.96
20	3/4	139.70	27.69	31.75	42.93	50.80	31.75	22.35	4.00	95.25	42.93	6.40	3.45
25	1	158.75	34.54	35.05	47.75	57.15	35.05	25.40	4.00	107.95	50.80	6.40	4.85
32	1 1/4	184.15	43.18	38.10	52.32	73.15	38.10	28.45	4.00	130.05	63.50	6.40	7.16
40	1 1/2	203.20	49.53	44.45	60.45	79.25	44.45	31.75	4.00	146.05	73.15	6.40	10.03
50	2	234.95	61.98	50.80	69.85	95.25	50.80	28.45	8.00	171.45	91.95	6.40	14.85
65	2 1/2	266.70	74.68	57.15	79.25	114.30	57.15	31.75	8.00	196.85	104.65	6.40	21.49
80	3	304.80	90.68	66.55	91.95	133.35	63.50	35.05	8.00	228.60	127.00	6.40	32.52
100	4	355.60	118.08	76.20	107.95	165.10	69.85	41.15	8.00	273.05	157.23	6.40	49.85
125	5	419.10	143.76	91.95	130.05	203.20	76.20	47.75	8.00	323.85	185.67	6.40	82.90
150	6	482.60	170.69	107.95	152.40	234.95	82.55	53.85	8.00	368.30	215.90	6.40	128.01
200	8	552.45	221.49	127.00	177.80	304.80	95.25	53.85	12.00	438.15	269.75	6.40	187.97
250	10	673.10	276.35	165.10	228.60	374.65	107.95	66.55	12.00	539.75	323.85	6.40	355.51
300	12	762.00	327.15	184.15	254.00	441.45	120.65	73.15	12.00	619.25	381.00	6.40	504.15

* For Ring Groove face dimensions see at the bottom of the file.

* For bore diameter all schedules (S10 to XXS) see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 2500 Slip-on Flanges Dimensions

Size		OutsideDi am.	BoreDia m.	Thick-ness	TotalTh ick-ness	Dia.at BaseofHub	Holes			RaisedFace		NetW eight
							Diam.	Number	P.C.D	OutsideDi am.	Thick-ness	
mm	inch	D	B2	t	T2	X	h	n	K	G	f	Kg
15	1/2	133.35	22.35	30.23	39.62	42.93	22.35	4.00	88.90	35.05	6.40	2.96
20	3/4	139.70	27.69	31.75	42.93	50.80	22.35	4.00	95.25	42.93	6.40	3.45
25	1	158.75	34.54	35.05	47.75	57.15	25.40	4.00	107.95	50.80	6.40	4.85

32	1 $\frac{1}{4}$	184.15	43.18	38.10	52.32	73.15	28.45	4.00	130.05	63.50	6.40	7.16
40	1 $\frac{1}{2}$	203.20	49.53	44.45	60.45	79.25	31.75	4.00	146.05	73.15	6.40	10.03
50	2	234.95	61.98	50.80	69.85	95.25	28.45	8.00	171.45	91.95	6.40	14.85
65	2 $\frac{1}{2}$	266.70	74.68	57.15	79.25	114.30	31.75	8.00	196.85	104.65	6.40	21.49
80	3	304.80	90.68	66.55	91.95	133.35	35.05	8.00	228.60	127.00	6.40	32.52
100	4	355.60	116.08	76.20	107.95	165.10	41.15	8.00	273.05	157.23	6.40	49.85
125	5	419.10	143.76	91.95	130.05	203.20	47.75	8.00	323.85	185.67	6.40	82.90
150	6	482.60	170.69	107.95	152.40	234.95	53.85	8.00	368.30	215.90	6.40	128.01
200	8	552.45	221.49	127.00	177.80	304.80	53.85	12.00	438.15	269.75	6.40	187.97
250	10	673.10	276.35	165.10	228.60	374.65	66.55	12.00	539.75	323.85	6.40	355.51
300	12	762.00	327.15	184.15	254.00	441.45	73.15	12.00	619.25	381.00	6.40	504.15

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

ASME-ANSI B16.5 Class 2500 Lap Joint RF Flanges Dimensions

Size		Outside Dia.	Bore Dia.	Thick-ness	Length thru Hub	Dia. at Base of Hub	Holes			Radius of Fillet	Raised Face		Net Weight
							Diam.	Number	P.C.D		Outside Dia.	Thick-ness	
mm	inch	D	B3	t	T3	X	h	n	K	R	G	f	Kg
15	1 $\frac{1}{2}$	133.35	22.86	30.23	39.62	42.93	22.35	4.00	88.90	3.05	35.05	6.40	2.95
20	3 $\frac{3}{4}$	139.70	28.19	31.75	42.93	50.80	22.35	4.00	95.25	3.05	42.93	6.40	3.44
25	1	158.75	35.05	35.05	47.75	57.15	25.40	4.00	107.95	3.05	50.80	6.40	4.84
32	1 $\frac{1}{4}$	184.15	43.69	38.10	52.32	73.15	28.45	4.00	130.05	4.83	63.50	6.40	7.14
40	1 $\frac{1}{2}$	203.20	50.04	44.45	60.45	79.25	31.75	4.00	146.05	6.35	73.15	6.40	10.01
50	2	234.95	62.48	50.80	69.85	95.25	28.45	8.00	171.45	7.87	91.95	6.40	14.82
65	2 $\frac{1}{2}$	266.70	75.44	57.15	79.25	114.30	31.75	8.00	196.85	7.87	104.65	6.40	21.43
80	3	304.80	91.44	66.55	91.95	133.35	35.05	8.00	228.60	9.65	127.00	6.40	32.43
100	4	355.60	116.84	76.20	107.95	165.10	41.15	8.00	273.05	11.18	157.23	6.40	49.73
125	5	419.10	144.53	91.95	130.05	203.20	47.75	8.00	323.85	11.18	185.67	6.40	82.72
150	6	482.60	171.45	107.95	152.40	234.95	53.85	12.00	368.30	12.70	215.90	6.40	120.03
200	8	552.45	222.25	127.00	177.80	304.80	53.85	12.00	438.15	12.70	269.75	6.40	187.59
250	10	673.10	277.37	165.10	228.60	374.65	66.55	16.00	539.75	12.70	323.85	6.40	336.66
300	12	762.00	328.17	184.15	254.00	441.45	73.15	16.00	619.25	12.70	381.00	6.40	478.77

* For Ring Groove face dimensions see at the bottom of the file.

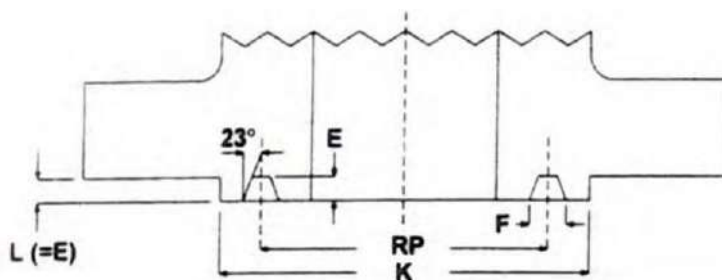
* Dimensions are in mm

ASME-ANSI B16.5 Class 2500 Blind RF Flanges Dimensions

Size		OutsideDia meter	Thickness	Holes			RaisedFace		NetWeight
				Diameter	Number	P.C.D	OutsideDia- meter	Thickness	
mm	inch	D	t	h	n	K	G	f	Kg
15	1/2	133.35	30.23	22.35	4.00	66.55	35.05	6.40	2.99
20	3/4	139.70	31.75	22.35	4.00	82.55	42.93	6.40	3.50
25	1	158.75	35.05	25.40	4.00	88.90	50.80	6.40	4.99
32	1 1/4	184.15	38.10	28.45	4.00	98.55	63.50	6.40	7.36
40	1 1/2	203.20	44.45	31.75	4.00	114.30	73.15	6.40	10.42
50	2	234.95	50.80	28.45	8.00	127.00	91.95	6.40	15.59
65	2 1/2	266.70	57.15	31.75	8.00	149.35	104.65	6.40	22.65
80	3	304.80	66.55	35.05	8.00	168.15	127.00	6.40	34.72
100	4	355.60	76.20	41.15	8.00	200.15	157.23	6.40	54.01
125	5	419.10	91.95	47.75	8.00	234.95	185.67	6.40	90.58
150	6	482.60	107.95	53.85	12.00	269.75	215.90	6.40	133.67
200	8	552.45	127.00	53.85	12.00	330.20	269.75	6.40	214.58
250	10	673.10	165.10	66.55	16.00	387.35	323.85	6.40	393.15
300	12	762.00	184.15	73.15	16.00	450.85	381.00	6.40	567.72

* For Ring Groove face dimensions see at the bottom of the file.

* Dimensions are in mm

*** ASME-ANSI B16.5 Ring Joint Face Dimensions**


Size	ANSI150					ANSI300/600					ANSI900				
	Ring No.	Pitch Diam.	WidthG roove	Depth Groove	RF Diam.	Ring No.	Pitch Diam.	WidthG roove	Depth Groove	RF Diam.	Ring No.	Pitch Diam.	WidthG roove	Depth Groove	RF Diam.
mm	RN	RP	F	E	K	RN	RP	F	E	K	RN	RP	F	E	K
15						11	34.1	7.1	5.5	50.8	12	39.6	8.7	6.3	60.3
20						13	42.8	8.7	6.3	63.5	14	44.4	8.7	6.3	66.6
25	15	47.6	8.7	6.3	63.5	16	50.8	8.7	6.3	69.8	16	50.8	8.7	6.3	71.4
32	17	57.1	8.7	6.3	73.0	18	60.3	8.7	6.3	79.3	18	60.3	8.7	6.3	80.9
40	19	65.0	8.7	6.3	82.5	20	68.2	8.7	6.3	90.4	20	68.2	8.7	6.3	92.0
50	22	82.5	8.7	6.3	101.6	23	82.5	11.9	7.9	107.9	24	95.2	11.9	7.9	123.8
65	25	101.6	8.7	6.3	120.6	26	101.6	11.9	7.9	127.0	27	107.9	11.9	7.9	136.5
80	29	114.3	8.7	6.3	133.3	31	123.8	11.9	7.9	146.0	31	123.8	11.9	7.9	155.5
90	33	131.7	8.7	6.3	153.9	34	131.7	11.9	7.9	158.7					
100	36	149.2	8.7	6.3	171.4	37	149.2	11.9	7.9	174.6	37	149.2	11.9	7.9	180.9
125	40	171.4	8.7	6.3	193.6	41	180.9	11.9	7.9	209.5	41	180.9	11.9	7.9	215.9
150	43	193.6	8.7	6.3	219.0	45	211.1	11.9	7.9	241.3	45	211.1	11.9	7.9	241.3
200	48	247.6	8.7	6.3	273.0	49	269.8	11.9	7.9	301.6	49	269.8	11.9	7.9	307.9
250	52	304.8	8.7	6.3	330.2	53	323.8	11.9	7.9	355.6	53	323.8	11.9	7.9	361.9
300	56	381.0	8.7	6.3	406.4	57	381.0	11.9	7.9	412.7	57	381.0	11.9	7.9	419.1
350	59	396.8	8.7	6.3	425.4	61	419.1	11.9	7.9	457.2	62	419.1	16.6	11.1	466.7
400	64	454.0	8.7	6.3	482.6	65	469.9	11.9	7.9	508.0	66	469.9	16.6	11.1	523.8
450	68	517.5	8.7	6.3	546.1	69	533.4	11.9	7.9	574.6	70	533.4	19.8	12.7	593.7
500	72	558.8	8.7	6.3	596.9	73	584.2	13.4	9.5	635.0	74	584.2	19.8	12.7	647.7
600	76	673.1	8.7	6.3	711.2	77	692.1	16.6	11.1	749.3	78	692.1	26.9	15.8	771.5

Size	ANSI1500					ANSI2500				
	RingNo.	PitchDiam.	WidthGroove	DepthGroove	RF Diam.	RingNo.	PitchDiam.	WidthGroove	DepthGroove	RF Diam.
mm	RN	RP	F	E	K	RN	RP	F	E	K

15	25NBTO65NB AREIDENTICALTOANSI900					13	42.8	8.7	6.3	65.0
20						16	50.8	8.7	6.3	73.0
25						18	60.3	8.7	6.3	82.5
32						21	72.2	11.9	7.9	101.6
40						23	82.5	11.9	7.9	114.3
50	35	136.5	11.9	7.9	168.2	26	101.6	11.9	7.9	133.3
65						28	111.1	13.4	9.5	149.2
80						32	127.0	13.4	9.5	168.2
100						38	157.1	16.6	11.1	203.2
125	44	193.6	11.9	7.9	228.6	42	190.5	19.8	12.7	241.3
150	46	211.1	13.4	9.5	247.6	47	228.6	19.8	12.7	279.4
200	50	269.8	16.6	11.1	317.5	51	279.4	23.0	14.2	339.7
250	54	323.8	16.6	11.1	371.4	55	342.9	30.1	17.4	425.4
300	58	381.0	23.0	14.2	438.1	60	406.4	33.3	17.4	495.3
350	63	419.1	26.9	15.8	488.9					
400	67	469.9	30.1	17.4	546.1					
450	71	533.4	30.1	17.4	612.7					
500	75	584.2	33.3	17.4	673.1					
600	79	692.1	36.5	20.6	793.7					

* Dimensions are in mm

*** Bore Diameter For ASME-ANSI B16.5 For Weld Neck & Socket Weld Flanges S10 To XXS**
(All Classes 150 To 2500) Dimensions

Size		BoreDiameterB1											
mm	inch	Sch10	Sch20	Sch30	Sch40	Sch60	Sch80	XS	Sch100	Sch120	Sch140	Sch160	XXS
15	1/2	---	---	---	15.80	---	13.87	13.87	---	---	---	11.84	6.40
20	3/4	---	---	---	20.93	---	18.85	18.85	---	---	---	15.60	11.02
25	1	---	---	---	26.64	---	24.31	24.31	---	---	---	20.70	15.21
32	1 1/4	---	---	---	35.05	---	32.46	32.46	---	---	---	29.46	22.76
40	1 1/2	---	---	---	40.89	---	38.10	38.10	---	---	---	33.99	27.94
50	2	---	---	---	52.50	---	49.25	49.25	---	---	---	42.90	38.18
65	2 1/2	---	---	---	62.71	---	59.00	59.00	---	---	---	53.98	44.98
80	3	---	---	---	77.93	---	73.66	73.66	---	---	---	66.65	58.42
90	3 1/2	---	---	---	90.12	---	85.45	85.45	---	---	---	76.20	69.29
100	4	---	---	---	102.26	---	97.18	97.18	---	92.05	---	87.33	80.06
125	5	---	---	---	128.19	---	122.25	122.25	---	115.90	---	109.55	103.20
150	6	---	---	---	154.05	---	146.33	146.33	---	139.73	---	131.80	124.38
200	8	---	206.38	205.00	202.72	198.45	193.68	193.68	188.95	182.60	177.83	173.05	174.63
250	10	---	260.35	257.45	254.51	247.65	242.93	247.65	236.58	230.23	222.25	215.90	---
300	12	---	311.15	307.09	303.23	295.30	288.95	298.45	281.03	273.05	266.70	257.20	---
350	14	342.90	339.73	336.55	333.35	325.48	317.50	330.20	308.00	300.08	292.10	284.18	---
400	16	393.70	390.53	387.35	381.00	373.08	363.58	381.00	354.03	344.53	333.35	325.48	---
450	18	444.50	441.33	434.95	428.65	419.10	409.60	431.80	398.48	387.35	377.85	366.73	---
500	20	495.30	488.95	482.60	477.88	466.75	455.63	482.60	442.93	431.80	419.10	408.03	---
600	24	596.90	590.55	581.03	574.70	560.43	547.73	584.20	531.83	517.55	504.85	490.58	---

* Dimensions are in mm