



ASME B16.5 Blind Flange



ASME B16.5 Slip On Flange

Check ASME B16 5 Flange Dimensions In MM

Largest Distributors of ASME B16.5 Flange Material In India, ASME B16 5 Flange Stainless Steel Suppliers.

View ASME B16.5 Flange Standard and ASME B16 5 Flange Specification, Buy ASME B16.5 Flange With Low Price.

Flange SW ASME B16.5 Exporters, View our ASME B16 5 flange Carbon Steel & ASME B16.5 Hub Flange inventory in india.

Some of the materials used in the manufacture of Class 600 ASME B16.5 Flanges includes alloys or metals such as [stainless steel](#), aluminium, brass, cast iron, bronze, plastic etc. Stainless Steel ASME B16.5 Flanges is limited to both flanges as well as flanged fittings that have been manufactured from cast or forged materials, and blind flanges and certain reducing flanges made from forged, cast, or plate materials. Also included in the ANSI B16.5 Class 150 Pipe Flange Standard are requirements and recommendations regarding flange gaskets, flange bolting, and flange joints.

One of the most used material is forged carbon steel. Pipe ASTM A182 SS ASME B16.5 Flange are manufactured in different grades of materials. Although we use most of the fore mentioned materials to produce the [ASME B16.5 Plate Flanges](#). Carbon Steel ASME B16.5 Flange tend to have machined surfaces.

In the B16.5 Standard are defined Tolerances, Markings, Pressure, Temperature Ratings, Dimensions, Pressure Testing and Materials. [ASME B16.5 Flange](#) has a hole and it has a matching outside diameter of pipe and from this a pipe can pass. ASME B16.5 Flange is limited to flanges and flanged fittings made from cast or blind flanges and forged materials and certain [reducing flanges](#) made from cast, plate, or [forged materials](#). Also included in this Standard are requirements and recommendations regarding flange gaskets and flange joints, flange bolting. We ASME B16 5 Flange Stainless Steel Manufacturers In India.

ASME B16 5 Pressure Temperature Ratings

Working Pressure flanges							
Temperature (°C)	Class						
	150	300	400	600	900	1500	2500
-67	19.8	51.7	68.9	103.4	155.1	258.6	430.9
50	19.5	51.7	68.9	103.4	155.1	258.6	430.9
100	17.7	51.5	68.7	103	154.6	257.6	429.4
150	15.8	50.2	66.8	100.3	150.5	250.8	418.1
200	13.8	48.6	64.8	97.2	145.8	243.2	405.4
250	12.1	46.3	61.7	92.7	139	231.8	386.2
300	10.2	42.9	57	85.7	128.6	214.4	357.1
325	9.3	41.4	55	82.6	124	206.6	344.3
350	8.4	40	53.4	80	120.1	200.1	333.5
375	7.4	37.8	50.4	75.7	113.5	189.2	315.3
400	6.5	34.7	46.3	69.4	104.2	173.6	289.7
425	5.5	28.8	38.4	57.5	86.3	143.8	239.7
450	4.6	23	30.7	46	69	115	191.7
475	3.7	17.1	22.8	34.2	51.3	85.4	142.4
500	2.8	11.6	15.4	23.2	34.7	57.9	96.5
538	1.4	5.9	7.9	11.8	17.7	29.5	49.2

ASME B16.5 Flange Standard

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. It covers, dimensions, tolerances, marking, pressure-temperature ratings, materials, testing, and methods of designating openings for flanged fittings and pipe flanges.

ASME B16.5 Flanges

Types : [ASME B16.5 Weld Neck Flanges](#), [ASME B16.5 Slip-On Flanges](#), [ASME B16.5 Socket Weld Flanges](#), [ASME B16.5 Threaded Flanges](#), [ASME B16.5 Lap Joint Flanges](#), [ASME B16.5 Blind Flanges](#).

1/2" - 24" Class 150, 300, 400, 600, 900, 1500 and 2500

NOTE: Reducing flanges are available in all types and pressures.

To order a reducing flange, state the smaller size first, then the outside diameter of the larger size.

Example: 1" X 7½" O.D. 150 SO RF reducing would be a 3" X 1" Slip-on, Raised Faced Reducing. Or, to simplify, just state the actual pipe sizes in order of larger to smaller.

Example: 3" X 1" Slip-on Flanges, ASME B16.5 Raised Faced Flanges, ASME B16.5 Reducing Flanges.

Check ASME B16 5 Flange Dimensions Class 150

Class 150

ASME B16.5

Nominal Size	Common Dimensions				Bore			Length Thru Hub		
	Outside Dia. O	Thk. C	Raised Face Dia. R	Fillet Radius r	Welding Neck Socket B ₁	Slip-on B ₂	Lap Joint B ₃	Welding Neck Y ₁	Slip-on Socket Y ₂	Lap Joint Y ₃
1/2	3.50	0.44	1.38	0.12		0.88	0.90	1.88	0.62	0.62
3/4	3.88	0.50	1.69	0.12		1.09	1.11	2.06	0.62	0.62
1	4.25	0.56	2.00	0.12		1.36	1.38	2.19	0.69	0.69
1 1/4	4.62	0.62	2.50	0.19		1.70	1.72	2.25	0.81	0.81
1 1/2	5.00	0.69	2.88	0.25		1.95	1.97	2.44	0.88	0.88
2	6.00	0.75	3.62	0.31		2.44	2.46	2.50	1.00	1.00
2 1/2	7.00	0.88	4.12	0.31		2.94	2.97	2.75	1.12	1.12
3	7.50	0.94	5.00	0.38		3.57	3.60	2.75	1.19	1.19
3 1/2	8.50	0.94	5.50	0.38		4.07	4.10	2.81	1.25	1.25
4	9.00	0.94	6.19	0.44		4.60	4.60	3.00	1.31	1.31
5	10.00	0.94	7.31	0.44		5.66	5.69	3.50	1.44	1.44
6	11.00	1.00	8.50	0.50		6.72	6.75	3.50	1.56	1.56
8	13.50	1.12	10.62	0.50		8.72	8.75	4.00	1.75	1.75
10	16.00	1.19	12.75	0.50		10.88	10.92	4.00	1.94	1.94
12	19.00	1.25	15.00	0.50		12.88	12.92	4.50	2.19	2.19
14	21.00	1.38	16.25	0.50		14.14	14.18	5.00	2.25	3.12
16	23.50	1.44	18.50	0.50		16.16	16.19	5.00	2.50	3.44
18	25.00	1.56	21.00	0.50		18.18	18.20	5.50	2.69	3.81
20	27.50	1.69	23.00	0.50		20.20	20.25	5.69	2.88	4.06
24	32.00	1.88	27.25	0.50		24.25	24.25	6.00	3.25	4.38

Class 150

ASME B16.5

(1/2" TO 3" ONLY)

Min. Thread Length T	Depth of Socket D	Dia. Hub at Bevel A	Hub Dia. X	Drilling			Approx. Weight				Nominal Size
				Bolt Circle	Dia. Holes	No. Holes	Welding Neck	Slip-on Thrd. Sock. W.	Lap Joint	Blind	
0.62	0.38	0.84	1.19	2.38	0.62	4	2	1	1	1	1/2
0.62	0.44	1.05	1.50	2.75	0.62	4	2	2	2	2	3/4
0.69	0.50	1.32	1.94	3.12	0.62	4	3	2	2	2	1
0.81	0.56	1.66	2.31	3.50	0.62	4	3	3	3	3	1 1/4
0.88	0.62	1.90	2.56	3.88	0.62	4	4	3	3	4	1 1/2
1.00	0.69	2.38	3.06	4.75	0.75	4	6	5	5	5	2
1.12	0.75	2.88	3.56	5.50	0.75	4	8	7	7	7	2 1/2
1.19	0.81	3.50	4.25	6.00	0.75	4	10	8	8	9	3
1.25	0.88	4.00	4.81	7.00	0.75	8	12	11	11	13	3 1/2
1.31	0.94	4.50	5.31	7.50	0.75	8	15	13	13	17	4
1.44	0.94	5.56	6.44	8.50	0.88	8	19	15	15	20	5
1.56	1.06	6.63	7.56	9.50	0.88	8	24	19	19	26	6
1.75	1.25	8.63	9.69	11.75	0.88	8	39	30	30	45	8
1.94	1.31	10.75	12.00	14.25	1.00	12	52	43	43	70	10
2.19	1.56	12.75	14.38	17.00	1.00	12	80	64	64	110	12
2.25	1.63	14.00	15.75	18.75	1.12	12	110	90	105	140	14
2.50	1.75	16.00	18.00	21.25	1.12	16	140	98	140	180	16
2.69	1.94	18.00	19.88	22.75	1.25	16	150	130	160	220	18
2.88	2.13	20.00	22.00	25.00	1.25	20	180	165	195	285	20
3.25	2.50	24.00	26.12	29.50	1.38	20	260	220	275	430	24

Check ASME B16 5 300 Flange Dimensions

Class 300

ASME B16.5

Nominal Size	Common Dimensions				Bore			Length Thru Hub		
	Outside Dia. O	Thk. C	Raised Face Dia. R	Fillet Radius r	Welding Neck Socket B ₁	Slip-on B ₂	Lap Joint B ₃	Welding Neck Y ₁	Slip-on Socket Y ₂	Lap Joint Y ₃
1/2	3.75	0.56	1.38	0.12		0.88	0.90	2.06	0.88	0.88
3/4	4.62	0.62	1.69	0.12		1.09	1.11	2.25	1.00	1.00
1	4.88	0.69	2.00	0.12		1.36	1.38	2.44	1.06	1.06
1 1/4	5.25	0.75	2.50	0.19		1.70	1.72	2.56	1.06	1.06
1 1/2	6.12	0.81	2.88	0.25		1.95	1.97	2.69	1.19	1.19
2	6.50	0.88	3.62	0.31		2.44	2.46	2.75	1.31	1.31
2 1/2	7.50	1.00	4.12	0.31		2.94	2.97	3.00	1.50	1.50
3	8.25	1.12	5.00	0.38		3.57	3.60	3.12	1.69	1.69
3 1/2	9.00	1.19	5.50	0.38		4.07	4.10	3.19	1.75	1.75
4	10.00	1.25	6.19	0.44	b	4.57	4.60	3.38	1.88	1.88
5	11.00	1.38	7.31	0.44		5.66	5.69	3.88	2.00	2.00
6	12.50	1.44	8.50	0.50		6.72	6.75	3.88	2.06	2.06
8	15.00	1.62	10.62	0.50		8.72	8.75	4.38	2.44	2.44
10	17.50	1.88	12.75	0.50		10.88	10.92	4.62	2.62	3.75
12	20.50	2.00	15.00	0.50	T	12.88	12.92	5.12	2.88	4.00
14	23.00	2.12	16.25	0.50	b	14.14	14.18	5.62	3.00	4.38
16	25.50	2.25	18.50	0.50		16.16	16.19	5.75	3.25	4.75
18	28.00	2.38	21.00	0.50		18.18	18.20	6.25	3.50	5.12
20	30.50	2.50	23.00	0.50		20.20	20.25	6.38	3.75	5.50
24	36.00	2.75	27.25	0.50		24.25	24.25	6.62	4.19	6.00

Class 300

ASME B16.5

(1/2" TO 3" ONLY)

Min. Thread Length T	Dia. Counter Bore Thd. Q	Depth of Socket D	Dia. Hub at Bevel A	Hub Dia. X	Drilling			Approx. Weight				Nominal Size
					Bolt Circle	Dia. Holes	No. Holes	Welding Neck	Slip-on Thrd. Sock. W.	Lap Joint	Blind	
0.62	0.93	0.38	0.84	1.50	2.62	0.62	4	2	2	2	2	1/2
0.62	1.14	0.44	1.05	1.88	3.25	0.75	4	3	3	3	3	3/4
0.69	1.41	0.50	1.32	2.12	3.50	0.75	4	4	3	3	3	1
0.81	1.75	0.56	1.66	2.50	3.88	0.75	4	5	4	4	4	1 1/4
0.88	1.98	0.62	1.90	2.75	4.50	0.88	4	7	6	6	6	1 1/2
1.12	2.50	0.69	2.38	3.31	5.00	0.75	8	9	7	7	8	2
1.25	3.00	0.75	2.88	3.94	5.88	0.88	8	12	10	10	12	2 1/2
1.25	3.63	0.81	3.50	4.62	6.62	0.88	8	15	13	13	16	3
1.44	4.13	0.88	4.00	5.25	7.25	0.88	8	18	17	17	21	3 1/2
1.44	4.63	0.94	4.50	5.75	7.88	0.88	8	25	22	22	27	4
1.69	5.69	0.94	5.56	7.00	9.25	0.88	8	32	28	28	35	5
1.81	6.75	1.06	6.62	8.12	10.62	0.88	12	42	39	39	50	6
2.00	8.75	1.25	8.62	10.25	13.00	1.00	12	67	58	58	81	8
2.19	10.88	1.31	10.75	12.62	15.25	1.12	16	91	81	91	124	10
2.38	12.94	1.56	12.75	14.75	17.75	1.25	16	140	115	140	185	12
2.50	14.19	1.62	14.00	16.75	20.25	1.25	20	180	165	190	250	14
2.69	16.19	1.75	16.00	19.00	22.50	1.38	20	250	190	250	295	16
2.75	18.19	1.94	18.00	21.00	24.75	1.38	24	320	250	295	395	18
2.88	20.19	2.12	20.00	23.12	27.00	1.38	24	400	315	370	505	20
3.25	24.19	2.50	24.00	27.62	32.00	1.62	24	580	475	550	790	24

Class 400

ASME B16.5

Nominal Size	Common Dimensions				Bore			Length Thru Hub		
	Outside Dia. O	Thk. C	Raised Face Dia. R	Fillet Radius r	Welding Neck Socket B ₁	Slip-on B ₂	Lap Joint B ₃	Welding Neck Y ₁	Slip-on Socket Y ₂	Lap Joint Y ₃
4	10.00	1.38	6.19	0.44		4.57	4.60	3.50	2.00	2.00
5	11.00	1.50	7.31	0.44		5.66	5.69	4.00	2.12	2.12
6	12.50	1.62	8.50	0.50		6.72	6.75	4.06	2.25	2.25
8	15.00	1.88	10.62	0.50	1 1/2	8.72	8.75	4.62	2.69	2.69
10	17.50	2.12	12.75	0.50		10.88	10.92	4.88	2.88	4.00
12	20.50	2.25	15.00	0.50		12.88	12.92	5.38	3.12	4.25
14	23.00	2.38	16.25	0.50		14.14	14.18	5.88	3.31	4.62
16	25.50	2.50	18.50	0.50		16.16	16.19	6.00	3.69	5.00
18	28.00	2.62	21.00	0.50	2 1/2	18.18	18.20	6.50	3.88	5.38
20	30.50	2.75	23.00	0.50	3 1/2	20.20	20.25	6.62	4.00	5.75
24	36.00	3.00	27.25	0.50		24.25	24.25	6.88	4.50	6.62

Thickness and length through hub do not include 1/4" raised face.

Class 400

ASME B16.5

(1/2" TO 3" ONLY)

Min. Thread Length T	Dia. Hub at Bevel A	Hub Dia. X	Drilling			Approx. Weight				Nominal Size
			Bolt Circle	Dia. Holes	No. Holes	Welding Neck	Slip-on Thrd. Sock. W.	Lap Joint	Blind	
ARE IDENTICAL WITH CLASS			600							
1.44	4.50	5.75	7.88	1.00	8	35	26	25	33	4
1.69	5.56	7.00	9.25	1.00	8	43	31	29	44	5
1.81	6.63	8.12	10.62	1.00	12	57	44	42	61	6
2.00	8.63	10.25	13.00	1.12	12	89	67	64	100	8
2.19	10.75	12.62	15.25	1.25	16	125	91	110	155	10
2.38	12.75	14.75	17.75	1.38	16	175	130	150	225	12
2.50	14.00	16.75	20.25	1.38	20	230	180	205	290	14
2.69	16.00	19.00	22.50	1.50	20	295	235	260	370	16
2.75	18.00	21.00	24.75	1.50	24	350	285	315	455	18
2.88	20.00	23.12	27.00	1.62	24	425	345	385	587	20
3.25	24.00	27.62	32.00	1.88	24	620	510	570	890	24

See 300 Class dimensions for dimensions "Q" and "D".

Check ASME B16 5 600 Flange Dimensions

Class 600

ASME B16.5

Nominal Size	Common Dimensions				Bore			Length Thru Hub		
	Outside Dia. O	Thk. C	Raised Face Dia. R	Fillet Radius r	Welding Neck Socket B ₁	Slip-on B ₂	Lap Joint B ₃	Welding Neck Y ₁	Slip-on Socket Y ₂	Lap Joint Y ₃
1/2	3.75	0.56	1.38	0.12		0.88	0.90	2.06	0.88	0.88
3/4	4.62	0.62	1.69	0.12		1.09	1.11	2.25	1.00	1.00
1	4.88	0.69	2.00	0.12		1.36	1.38	2.44	1.06	1.06
1 1/4	5.25	0.81	2.50	0.19		1.70	1.72	2.62	1.12	1.12
1 1/2	6.12	0.88	2.88	0.25		1.95	1.97	2.75	1.25	1.25
2	6.50	1.00	3.62	0.31		2.44	2.46	2.88	1.44	1.44
2 1/2	7.50	1.12	4.12	0.31		2.94	2.97	3.12	1.62	1.62
3	8.25	1.25	5.00	0.38		3.57	3.60	3.25	1.81	1.81
3 1/2	9.00	1.38	5.50	0.38		4.07	4.10	3.38	1.94	1.94
4	10.75	1.50	6.19	0.44		4.57	4.60	4.00	2.12	2.12
5	13.00	1.75	7.31	0.44		5.66	5.69	4.50	2.38	2.38
6	14.00	1.88	8.50	0.50		6.72	6.75	4.62	2.62	2.62
8	16.50	2.19	10.62	0.50		8.72	8.75	5.25	3.00	3.00
10	20.00	2.50	12.75	0.50		10.88	10.92	6.00	3.38	4.38
12	22.00	2.62	15.00	0.50		12.88	12.92	6.12	3.62	4.62
14	23.75	2.75	16.25	0.50		14.14	14.18	6.50	3.69	5.00
16	27.00	3.00	18.50	0.50		16.16	16.19	7.00	4.19	5.50
18	29.25	3.25	21.00	0.50		18.18	18.20	7.25	4.62	6.00
20	32.00	3.50	23.00	0.50		20.20	20.25	7.50	5.00	6.50
24	37.00	4.00	27.25	0.50		24.25	24.25	8.00	5.50	7.25

Thickness and length through hub do not include 1/4" raised face.

Class 600

ASME B16.5

(1/2" TO 3" ONLY)

Min. Thread Length T	Depth of Socket D	Dia. Hub at Bevel A	Hub Dia. X	Drilling			Approx. Weight				Nominal Size
				Bolt Circle	Dia. Holes	No. Holes	Welding Neck	Slip-on Thrd. Sock. W.	Lap Joint	Blind	
0.62	0.38	0.84	1.50	2.62	0.62	4	2	2	2	2	1/2
0.62	0.44	1.05	1.88	3.25	0.75	4	4	3	3	3	3/4
0.69	0.50	1.32	2.12	3.50	0.75	4	4	4	4	4	1
0.81	0.56	1.66	2.50	3.88	0.75	4	6	5	5	5	1 1/4
0.88	0.62	1.90	2.75	4.50	0.88	4	8	7	7	8	1 1/2
1.12	0.69	2.38	3.31	5.00	0.75	8	12	9	9	10	2
1.25	0.75	2.88	3.94	5.88	0.88	8	18	13	12	15	2 1/2
1.38	0.81	3.50	4.62	6.62	0.88	8	23	16	15	20	3
1.56	0.88	4.00	5.25	7.25	1.00	8	26	21	20	29	3 1/2
1.62	0.94	4.50	6.00	8.50	1.00	8	42	37	36	41	4
1.88	0.94	5.56	7.44	10.50	1.12	8	68	63	61	68	5
2.00	1.06	6.62	8.75	11.50	1.12	12	81	80	78	86	6
2.25	1.25	8.62	10.75	13.75	1.25	12	120	115	110	140	8
2.56	1.31	10.75	13.50	17.00	1.38	16	190	170	170	230	10
2.75	1.56	12.75	15.75	19.25	1.38	20	225	200	200	295	12
2.88	1.62	14.00	17.00	20.75	1.50	20	280	230	250	355	14
3.06	1.75	16.00	19.50	23.75	1.62	20	390	330	365	495	16
3.12	1.94	18.00	21.50	25.75	1.75	20	475	400	435	630	18
3.25	2.12	20.00	24.00	28.50	1.75	24	590	510	570	810	20
3.62	2.50	24.00	28.25	33.00	2.00	24	830	730	810	1250	24

See 300 Class dimensions for dimensions "Q" and "D"

Class 900

ASME B16.5

Nominal Size	Common Dimensions				Bore			Length Thru Hub		
	Outside Dia. O	Thk. C	Raised Face Dia. R	Fillet Radius r	Welding Neck Socket B ₁	Slip-on B ₂	Lap Joint B ₃	Welding Neck Y ₁	Slip-on Socket Y ₂	Lap Joint Y ₃
3	9.50	1.50	5.00	0.38		3.57	3.60	4.00	2.12	2.12
4	11.50	1.75	6.19	0.44		4.57	4.60	4.50	2.75	2.75
5	13.75	2.00	7.31	0.44		5.66	5.69	5.00	3.13	3.13
6	15.00	2.19	8.50	0.50	⌈ ⌋	6.72	6.75	5.50	3.38	3.38
8	18.50	2.50	10.62	0.50		8.72	8.75	6.38	4.00	4.50
10	21.50	2.75	12.75	0.50		10.88	10.92	7.25	4.25	5.00
12	24.00	3.12	15.00	0.50		12.88	12.92	7.88	4.62	5.62
14	25.25	3.38	16.25	0.50		14.14	14.18	8.38	5.12	6.12
16	27.75	3.50	18.50	0.50	⊕ ⊖	16.16	16.19	8.50	5.25	6.50
18	31.00	4.00	21.00	0.50	⌈ ⊖	18.18	18.20	9.00	6.00	7.50
20	33.75	4.25	23.00	0.50		20.20	20.25	9.75	6.25	8.25
24	41.00	5.50	27.25	0.50		24.25	24.25	11.50	8.00	10.50

Thickness and length through hub do not include 1/4" raised face.

Class 900

ASME B16.5

(1/2" TO 3" ONLY)

Min. Thread Length T	Dia. Hub at Bevel A	Hub Dia. X	Drilling			Approx. Weight				Nominal Size
			Bolt Circle	Dia. Holes	No. Holes	Welding Neck	Slip-on Thrd. Sock. W.	Lap Joint	Blind	
ARE IDENTICAL WITH CLASS			600							
1.62	3.50	5.00	7.50	1.00	8	31	26	25	29	3
1.88	4.50	6.25	9.25	1.25	8	53	53	51	54	4
2.12	5.56	7.50	11.00	1.38	8	86	83	81	87	5
2.25	6.63	9.25	12.50	1.25	12	110	110	105	115	6
2.50	8.63	11.75	15.50	1.50	12	175	170	190	200	8
2.81	10.75	14.50	18.50	1.50	16	260	245	275	290	10
3.00	12.75	16.50	21.00	1.50	20	325	325	370	415	12
3.25	14.00	17.75	22.00	1.62	20	400	400	415	520	14
3.38	16.00	20.00	24.25	1.75	20	495	425	465	600	16
3.50	18.00	22.25	27.00	2.00	20	680	600	650	850	18
3.62	20.00	24.50	29.50	2.12	20	830	730	810	1075	20
4.00	24.00	29.50	35.50	2.62	20	1500	1400	1550	2025	24

See 300 Class dimensions for dimensions "Q" and "D".

Class 1500

ASME B16.5

Nominal Size	Common Dimensions				Bore			Length Thru Hub		
	Outside Dia. O	Thk. C	Raised Face Dia. R	Fillet Radius r	Welding Neck Socket B ₁	Slip-on B ₂	Lap Joint B ₃	Welding Neck Y ₁	Slip-on Socket Y ₂	Lap Joint Y ₃
1/2	4.75	0.88	1.38	0.12		0.88	0.90	2.38	1.25	1.25
3/4	5.12	1.00	1.69	0.12		1.09	1.11	2.75	1.38	1.38
1	5.88	1.12	2.00	0.12		1.36	1.38	2.88	1.62	1.62
1 1/4	6.25	1.12	2.50	0.19		1.70	1.72	2.88	1.62	1.62
1 1/2	7.00	1.25	2.88	0.25		1.95	1.97	3.25	1.75	1.75
2	8.50	1.50	3.62	0.31		2.44	2.46	4.00	2.25	2.25
2 1/2	9.62	1.63	4.12	0.31		2.94	2.97	4.12	2.50	2.50
3	10.50	1.88	5.00	0.38		3.57	3.60	4.62	2.88	2.88
4	12.25	2.12	6.19	0.44		4.57	4.60	4.88	3.56	3.56
5	14.75	2.88	7.31	0.44		5.66	5.69	6.12	4.12	4.12
6	15.50	3.25	8.50	0.50		6.72	6.75	6.75	4.69	4.69
8	19.00	3.62	10.62	0.50		8.72	8.75	8.38	5.62	5.62
10	23.00	4.25	12.75	0.50		10.88	10.92	10.00	6.25	7.00
12	26.50	4.88	15.00	0.50		12.88	12.92	11.12	7.12	8.62
14	29.50	5.25	16.25	0.50		14.14	14.18	11.75	–	9.50
16	32.50	5.75	18.50	0.50		16.16	16.19	12.25	–	10.25
18	36.00	6.38	21.00	0.50		18.18	18.20	12.88	–	10.88
20	38.75	7.00	23.00	0.50		20.20	20.25	14.00	–	11.50
24	46.00	8.00	27.25	0.50		24.25	24.25	16.00	–	13.00

Thickness and length through hub do not include 1/4" raised face.

Class 1500

ASME B16.5

(1/2" TO 2 1/2" ONLY)

(1/2" TO 2 1/2" ONLY)

Min. Thread Length T	Depth of Socket D	Dia. Hub at Bevel A	Hub Dia. X	Drilling			Approx. Weight				Nominal Size
				Bolt Circle	Dia. Holes	No. Holes	Welding Neck	Slip-on Thrd. Sock. W.	Lap Joint	Blind	
0.88	0.38	0.84	1.50	3.25	0.88	4	5	4	4	4	1/2
1.00	0.44	1.05	1.75	3.50	0.88	4	6	5	5	6	3/4
1.12	0.50	1.32	2.06	4.00	1.00	4	9	8	8	8	1
1.19	0.56	1.66	2.50	4.38	1.00	4	10	9	9	9	1 1/4
1.25	0.62	1.90	2.75	4.88	1.12	4	13	12	12	13	1 1/2
1.50	0.69	2.38	4.12	6.50	1.00	8	25	25	25	25	2
1.88	0.75	2.88	4.88	7.50	1.12	8	36	36	35	35	2 1/2
2.00	0.81	3.50	5.25	8.00	1.25	8	48	48	47	48	3
2.25	0.94	4.50	6.38	9.50	1.38	8	73	73	75	73	4
2.50	0.94	5.56	7.75	11.50	1.62	8	130	130	140	140	5
2.75	1.06	6.63	9.00	12.50	1.50	12	165	165	170	160	6
3.00	1.25	8.63	11.50	15.50	1.75	12	275	260	285	300	8
3.31	1.31	10.75	14.50	19.00	2.00	12	455	435	485	510	10
3.63	1.56	12.75	17.75	22.50	2.12	16	690	580	630	690	12
—	1.63	14.00	19.50	25.00	2.38	16	940	—	890	975	14
—	1.75	16.00	21.75	27.75	2.62	16	1250	—	1150	1300	16
—	1.94	18.00	23.50	30.50	2.88	16	1625	—	1475	1750	18
—	2.13	20.00	25.25	32.75	3.12	16	2050	—	1775	2225	20
—	2.50	24.00	30.00	39.00	3.62	16	3325	—	2825	3625	24

See 300 Class dimensions for dimensions "Q" and "D".

Class 2500

ASME B16.5

Nominal Size	Common Dimensions				Bore			Length Thru Hub		
	Outside Dia. O	Thk. C	Raised Face Dia. R	Fillet Radius r	Welding Neck Socket B ₁	Slip-on B ₂	Lap Joint B ₃	Welding Neck Y ₁	Slip-on Socket Y ₂	Lap Joint Y ₃
1/2	5.25	1.19	1.38	0.12		0.88	0.90	2.88	1.56	1.56
3/4	5.50	1.25	1.69	0.12		1.09	1.11	3.12	1.69	1.69
1	6.25	1.38	2.00	0.12		1.36	1.38	3.50	1.88	1.88
1 1/4	7.25	1.50	2.50	0.19		1.70	1.72	3.75	2.06	2.06
1 1/2	8.00	1.75	2.88	0.25		1.95	1.97	4.38	2.38	2.38
2	9.25	2.00	3.62	0.31	φ >	2.44	2.46	5.00	2.75	2.75
2 1/2	10.50	2.25	4.12	0.31		2.94	2.97	5.62	3.12	3.12
3	12.00	2.62	5.00	0.38		3.57	3.60	6.62	3.62	3.62
4	14.00	3.00	6.19	0.44		4.57	4.60	7.50	4.25	4.25
6	19.00	4.25	8.50	0.50		6.72	6.75	10.75	6.00	6.00
8	21.75	5.00	10.62	0.50		8.72	8.75	12.50	7.00	7.00
10	26.50	6.50	12.75	0.50		10.88	10.92	16.50	9.00	9.00
12	30.00	7.25	15.00	0.50		12.88	12.92	18.25	10.00	10.00

Class 2500 Slip-Ons are not included in ASME B16.5 specifications.
 Thickness and length through hub do not include 1/8" raised face.

Class 2500

ASME B16.5

Min. Thread Length T	Dia. Hub at Bevel A	Hub Dia. X	Drilling			Approx. Weight				Nominal Size
			Bolt Circle	Dia. Holes	No. Holes	Welding Neck	Slip-on Thrd. Sock. W.	Lap Joint	Blind	
1.12	0.84	1.69	3.50	0.88	4	7	7	7	7	1/2
1.25	1.05	2.00	3.75	0.88	4	8	8	8	8	3/4
1.38	1.32	2.25	4.25	1.00	4	12	11	11	11	1
1.50	1.66	2.88	5.12	1.12	4	17	16	16	17	1 1/4
1.75	1.90	3.12	5.75	1.25	4	25	22	22	23	1 1/2
2.00	2.38	3.75	6.75	1.12	8	42	38	37	39	2
2.25	2.88	4.50	7.75	1.25	8	52	55	53	56	2 1/2
2.50	3.50	5.25	9.00	1.38	8	94	83	80	86	3
2.75	4.50	6.50	10.75	1.62	8	145	125	120	135	4
3.00	5.56	8.00	12.75	1.88	8	245	210	205	225	5
3.25	6.63	9.25	14.50	2.12	8	380	325	315	345	6
3.75	8.63	12.00	17.25	2.12	12	580	485	470	530	8
4.25	10.75	14.75	21.25	2.62	12	1075	930	900	1025	10
4.75	12.75	17.38	24.38	2.88	12	1525	1100	1100	1300	12

See 300 Class dimensions for dimensions "Q" and "D".