

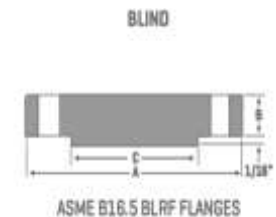
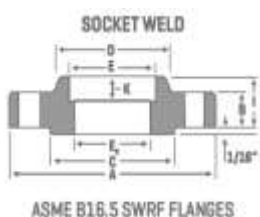
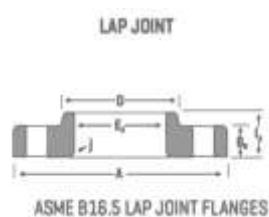
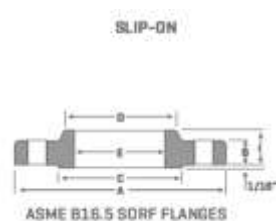
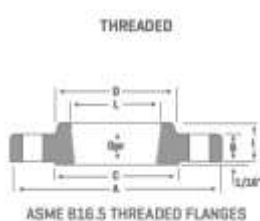
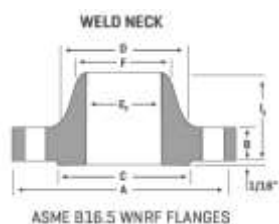
ASME B16.5 Class 150 Forged Flanges

Notes

- Dimensions (in inches)
- The diameter of hole is 1/8" larger than the diameter for bolt.
- The dimensions for standard bore are stated to bore chart.
- The dimensions is normally linked to 'true' lap joints.
- The industry standard as per ASME is to make slip on length through the hub

ASME B16.5 Class 150 Forged Flanges

NPS	A	B	B _R	C	D	Diameter of Bolt Holes	Bolt Circle	E	E ₂ ³	E ₃	F	I	I ₂	I ₃ ⁴	J	K	Opr
½	3.5	0.38	0.44	1.38	1.19	4-0.62	2.38	0.88	0.62	0.90	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	2.00	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	0.50	0.69
1¼	4.62	0.56	0.62	2.5	2.31	4-0.62	3.50	1.70	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	1.90	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	1.00	0.31	0.69	1.00
2½	7	0.81	0.88	4.12	3.56	4-0.75	5.50	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	6.00	3.57	3.07	3.60	3.50	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	7.00	4.07	3.55	4.10	4.00	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	7.50	4.57	4.03	4.60	4.50	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	8.50	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	9.50	6.72	6.07	6.75	6.63	1.50	3.44	1.56	0.50	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	0.50	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	0.50	1.31	1.94
12	19	1.19	1.25	15	14.38	12-1.00	17.00	12.88	12.00	12.92	12.75	2.12	4.44	2.19	0.50	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	14.00	2.19	4.94	3.12	0.50	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	16.00	2.44	4.94	3.44	0.50	1.75	2.50
18	25	1.5	1.56	21	19.88	16-1.25	22.75	18.18	17.25	18.20	18.00	2.62	5.44	3.81	0.50	1.94	2.69
20	27.5	1.62	1.69	23	22	20-1.25	25.00	20.20	19.25	20.25	20.00	2.81	5.62	4.06	0.50	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	22.00	3.07	5.82	4.25	0.50	2.38	3.13
24	32	1.81	1.88	27.25	26.12	20-1.38	29.50	24.25	23.25	24.25	24.00	3.19	5.94	4.38	0.50	2.50	3.25



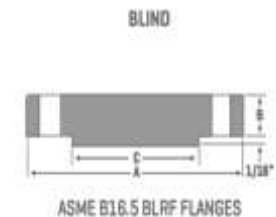
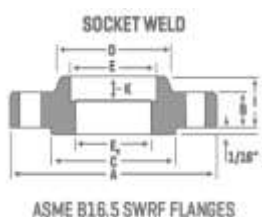
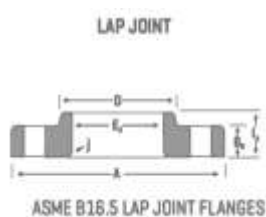
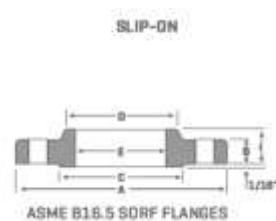
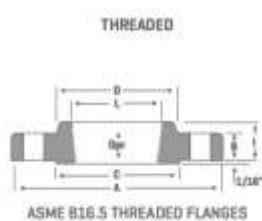
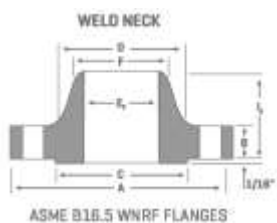
ASME B16.5 Class 300 Forged Flanges

Notes

- Dimensions (in inches)
- The diameter of hole is 1/8" larger than the diameter for bolt.
- The dimensions for standard bore are stated to bore chart.
- The dimensions is normally linked to 'true' lap joints.
- The industry standard as per ASME is to make slip on length through the hub

ASME B16.5 Class 300 Forged Flanges

NPS	A	B	B _R	C	D	Diameter of Bolt Holes	Bolt Circle	E	E ₂ ³	E ₃	F	I	I ₂	I ₃ ⁴	J	K	Opr
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
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
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
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
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
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
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
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
3½	9	1.12	1.19	5.5	5.25	8-1.00	7.25	4.07	3.55	4.1	4	1.69	3.13	1.75	0.38	4.13	....
4	10	1.19	1.25	6.19	5.75	8-1.00	7.88	4.57	4.03	4.6	4.5	1.82	3.32	1.88	0.44	4.63	....
5	11	1.31	1.38	7.31	7	8-1.00	9.25	5.66	5.05	5.69	5.56	1.94	3.82	2	0.44	5.69	....
6	12.5	1.38	1.44	8.5	8.12	12-1.00	10.62	6.72	6.07	6.75	6.63	2	3.82	2.06	0.5	6.75	....
8	15	1.56	1.62	10.62	10.25	12-1.12	13	8.72	7.98	8.75	8.63	2.38	4.32	2.44	0.5	8.75	....
10	17.5	1.81	1.88	12.75	12.62	16-1.25	15.25	10.88	10.02	10.92	10.75	2.56	4.56	3.75	0.5	10.88	....
12	20.5	1.94	2	15	14.75	16-1.38	17.75	12.88	12	12.92	12.75	2.82	5.06	4	0.5	12.94	....
14	23	2.06	2.12	16.25	16.75	20-1.38	20.25	14.14	13.25	14.18	14	2.94	5.56	4.38	0.5	14.19	....
16	25.5	2.19	2.25	18.5	19	20-1.50	22.5	16.16	15.25	16.19	16	3.19	5.69	4.75	0.5	16.19	....
18	28	2.31	2.38	21	21	24-1.50	24.75	18.18	17.25	18.2	18	3.44	6.19	5.12	0.5	18.19	....
20	30.5	2.44	2.5	23	23.12	24-1.62	27	20.2	19.25	20.25	20	3.69	6.32	5.5	0.5	20.19	....
22	33	2.57	2.63	25.25	25.25	24-1.75	29.25	22.22	21.25	22.25	22	3.93	6.43	5.75	0.5	22.19	....
24	36	2.69	2.75	27.25	27.62	24-1.88	32	24.25	23.25	24.25	24	4.13	6.56	6	0.5	24.19	....



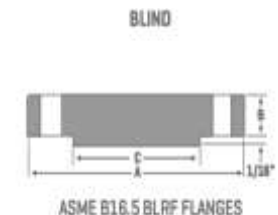
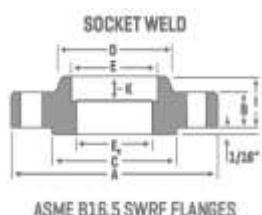
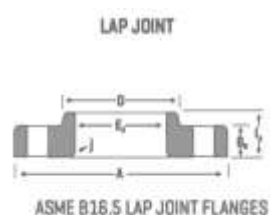
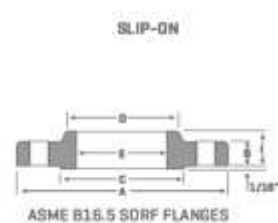
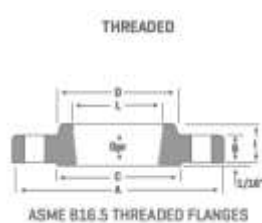
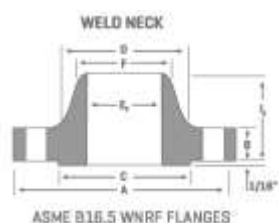
ASME B16.5 Class 400 Forged Flanges

Notes

- Dimensions (in inches)
- The diameter of hole is 1/8" larger than the diameter for bolt.
- The dimensions for standard bore are stated to bore chart.
- The dimensions is normally linked to 'true' lap joints.
- The industry standard as per ASME is to make slip on length through the hub

ASME B16.5 Class 400 Forged Flanges

NPS	A	B	C	D	Diameter of Bolt Holes	Bolt Circle	E	E ₂ ³	E ₃	F	I	I ₂	I ₃ ⁴	J	K	Opr
½	3.75	0.56	1.38	1.5	4-0.63	2.62	0.88	Purchaser Specification required	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		1.05	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		1.32	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		1.66	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		1.9	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		2.38	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		2.88	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		3.5	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	1.94	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		4.5	2	3.5	2	0.44	4.63	....	1.44
5	11	1.5	7.31	7	8-1.00	9.25	5.66		5.56	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		6.63	2.25	4.06	2.25	0.5	7.5	....	1.81
8	15	1.88	10.62	10.25	12-1.12	13	8.72		8.63	2.69	4.62	2.69	0.5	7.5	....	2
10	17.5	2.12	12.75	12.62	16-1.25	15.25	10.88		10.75	2.88	4.88	4	0.5	8.8	....	2.19
12	20.5	2.25	15	14.75	16-1.38	17.75	12.88		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	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	3.69	6	5	0.5	16.19	....	2.69
18	28	2.62	21	21	24-1.50	24.75	18.18		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	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	4.25	6.75	6	0.5	....	....	....
24	36	3	27.25	27.62	24-1.88	32	24.25		24	4.5	6.88	6.25	0.5	24.19	....	3.25



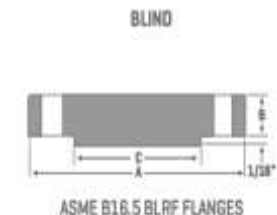
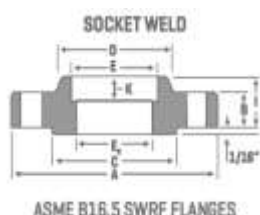
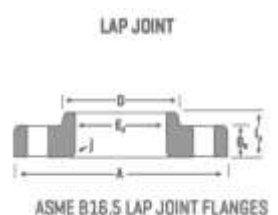
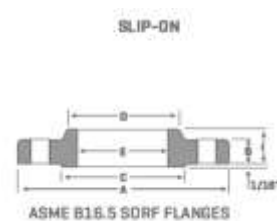
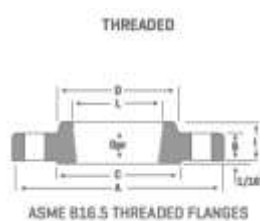
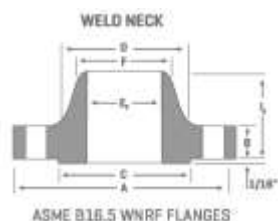
ASME B16.5 Class 600 Forged Flanges

Notes

- Dimensions (in inches)
- The diameter of hole is 1/8" larger than the diameter for bolt.
- The dimensions for standard bore are stated to bore chart.
- The dimensions is normally linked to 'true' lap joints.
- The industry standard as per ASME is to make slip on length through the hub

ASME B16.5 Class 600 Forged Flanges

NPS	A	B	C	D	Diameter of Bolt Holes	Bolt Circle	E	E ₂ ³	E ₃	F	I	I ₂	I ₄ ³	J	L	K	Opr
½	3.75	0.56	1.38	1.50	4-0.63	2.62	0.88	Purchaser Specification required	0.90	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	1.00	2.25	1.00	0.12	1.14	0.44	0.62
1	4.88	0.69	2.00	2.12	4-0.75	3.50	1.36		1.38	1.32	1.06	2.44	1.06	0.12	1.41	0.50	0.69
1¼	5.25	0.81	2.50	2.50	4-0.75	3.88	1.70		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	4.50	1.95		1.97	1.90	1.25	2.75	1.25	0.25	1.99	0.62	0.88
2	6.50	1.00	3.62	3.31	8-0.75	5.00	2.44		2.46	2.38	1.44	2.88	1.44	0.31	2.50	0.69	1.12
2½	7.50	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	3.00	0.75	1.25
3	8.25	1.25	5.00	4.62	8-0.88	6.62	3.57		3.60	3.50	1.81	3.25	1.81	0.38	3.63	0.81	1.38
3½	9.00	1.38	5.50	5.25	8-1.00	7.25	4.07		4.10	4.00	1.94	3.38	1.94	0.38	4.13	....	1.56
4	10.75	1.50	6.19	6.00	8-1.00	8.50	4.57		4.60	4.50	2.12	4.00	2.12	0.44	4.63	....	1.62
5	13.00	1.75	7.31	7.44	8-1.12	10.50	5.66		5.69	5.56	2.38	4.50	2.38	0.44	5.69	....	1.88
6	14.00	1.88	8.50	8.75	12-1.12	11.50	6.72		6.75	6.63	2.62	4.62	2.62	0.50	6.75	....	2.00
8	16.50	2.19	10.62	10.75	12-1.25	13.75	8.72		8.75	8.63	3.00	5.25	3.00	0.50	8.75	....	2.25
10	20.00	2.50	12.75	13.50	16-1.38	17.00	10.88		10.92	10.75	3.38	6.00	4.38	0.50	10.88	....	2.56
12	22.00	2.62	15.00	15.75	20-1.38	19.25	12.88		12.92	12.75	3.62	6.12	4.62	0.50	12.94	....	2.75
14	23.75	2.75	16.25	17.00	20-1.50	20.75	14.14		14.18	14.00	3.69	6.50	5.00	0.50	14.19	....	2.88
16	27.00	3.00	18.50	19.50	20-1.63	23.75	16.16		16.19	16.00	4.19	7.00	5.50	0.50	16.19	....	3.06
18	29.25	3.25	21.00	21.50	20-1.75	25.75	18.18		18.20	18.00	4.62	7.25	6.00	0.50	18.19	....	3.12
20	32.00	3.50	23.00	24.00	24-1.75	28.50	20.20		20.25	20.00	5.00	7.50	6.50	0.50	20.19	....	3.25
22	34.25	3.75	25.25	26.25	24-1.75	30.63	22.22		22.25	22.00	5.25	7.75	6.88	0.50	....	....	--
24	37.00	4.00	27.25	28.25	24-2.00	33.00	24.25		24.25	24.00	5.50	8.00	7.25	0.50	24.19	....	3.62



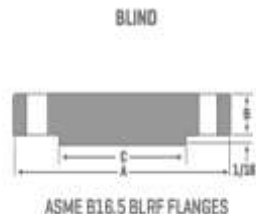
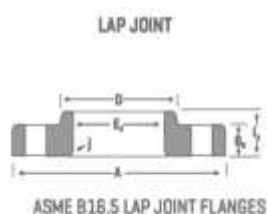
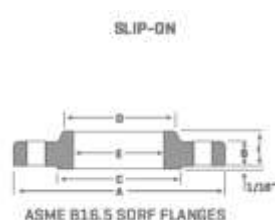
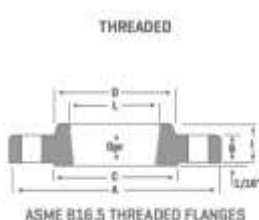
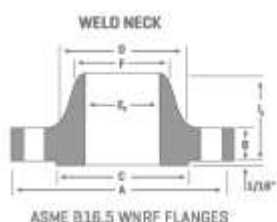
ASME B16.5 Class 900 Forged Flanges

Notes

- Dimensions (in inches)
- The diameter of hole is 1/8" larger than the diameter for bolt.
- The dimensions for standard bore are stated to bore chart.
- The dimensions is normally linked to 'true' lap joints.
- The industry standard as per ASME is to make slip on length through the hub

ASME B16.5 Class 900 Forged Flanges

NPS	A	B	C	D	Diameter of Bolt Holes	Bolt Circle	E	E ₂ ³	E ₃	F	I	I ₂	I ₃ ⁴	J	L	Opr
(Similar to class 1500 are sizes ½" through 2 ½")							(Similar to class 1500 are sizes ½" through 2 ½")									
3	9.50	1.50	5.00	5.00	8-1.00	7.50	3.57	Purchaser Specification required	3.60	3.50	2.12	4.00	2.12	0.38	3.63	1.62
4	11.50	1.75	6.19	6.25	8-1.25	9.25	4.57		4.60	4.50	2.75	4.50	2.75	0.44	4.63	1.88
5	13.75	2.00	7.31	7.50	8-1.38	11.00	5.66		5.69	5.56	3.12	5.00	3.12	0.44	5.69	2.12
6	15.00	2.19	8.50	9.25	12-1.25	12.50	6.72		6.75	6.63	3.38	5.50	3.38	0.50	6.75	2.25
8	18.50	2.50	10.63	11.75	12-1.50	15.50	8.72		8.75	8.63	4.00	6.38	4.50	0.50	8.75	2.50
10	21.50	2.75	12.75	14.50	16-1.50	18.50	10.88		10.92	10.75	4.25	7.25	5.00	0.50	10.88	2.81
12	24.00	3.12	15.00	16.50	20-1.50	21.00	12.88		12.92	12.75	4.63	7.88	5.62	0.50	12.94	3.00
14	25.25	3.38	16.25	17.75	20-1.63	22.00	14.14		14.18	14.00	5.12	8.38	6.12	0.50	14.19	3.25
16	27.75	3.50	18.50	20.00	20-1.75	24.25	16.16		16.19	16.00	5.25	8.50	6.50	0.50	16.19	3.38
18	31.00	4.00	21.00	22.25	20-2.00	27.00	18.18		18.20	18.00	6.00	9.00	7.50	0.50	18.19	3.50
20	33.75	4.25	23.00	24.50	20-2.13	29.50	20.20		20.25	20.00	6.25	9.75	8.25	0.50	20.19	3.62
24	41.00	5.50	27.25	29.50	20-2.63	35.50	24.25		24.25	24.00	8.00	11.50	10.50	0.50	24.19	4.00



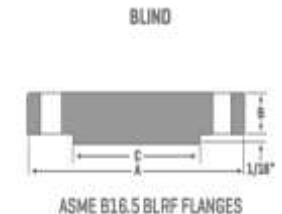
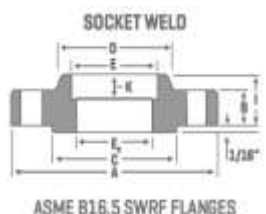
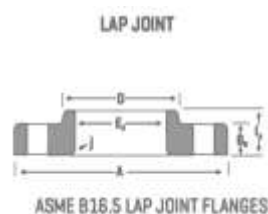
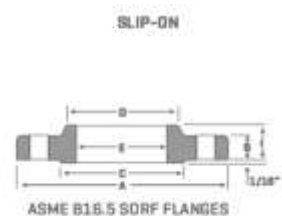
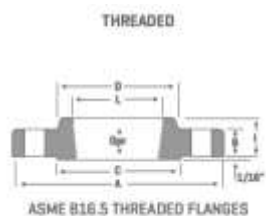
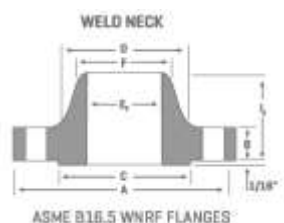
ASME B16.5 Class 1500 Forged Flanges

Notes

- Dimensions (in inches)
- The diameter of hole is 1/8" larger than the diameter for bolt.
- The dimensions for standard bore are stated to bore chart.
- The dimensions is normally linked to 'true' lap joints.
- The industry standard as per ASME is to make slip on length through the hub

ASME B16.5 Class 1500 Forged Flanges

NPS	A	B	C	D	Diameter of Bolt Holes	Bolt Circle	E	E ₂ ³	E ₃	F	I	I ₂	I ₄ ³	J	L	K	Opr
½	4.75	0.88	1.38	1.50	4-0.88	3.25	0.88	Purchaser Specification required	0.90	0.84	1.25	2.38	1.25	0.12	0.93	0.38	0.88
¾	5.12	1.00	1.69	1.75	4-0.88	3.50	1.09		1.11	1.05	1.38	2.75	1.38	0.12	1.14	0.44	1.00
1	5.88	1.12	2.00	2.06	4-1.00	4.00	1.36		1.38	1.32	1.62	2.88	1.62	0.12	1.41	0.50	1.12
1¼	6.25	1.12	2.50	2.50	4-1.00	4.38	1.70		1.72	1.66	1.62	2.88	1.62	0.19	1.75	0.56	1.19
1½	7.00	1.25	2.88	2.75	4-1.12	4.88	1.95		1.97	1.90	1.75	3.25	1.75	0.25	1.99	0.62	1.25
2	8.50	1.50	3.63	4.12	8-1.00	6.50	2.44		2.46	2.38	2.25	4.00	2.25	0.31	2.50	0.69	1.50
2½	9.62	1.62	4.13	4.88	8-1.12	7.50	2.94		2.97	2.88	2.50	4.12	2.50	0.31	3.00	0.75	1.88
3	10.50	1.88	5.00	5.25	8-1.25	8.00	....		3.60	3.50	....	4.62	2.88	0.38	....	....	....
4	12.25	2.12	6.19	6.38	8-1.38	9.50	....		4.60	4.50	....	4.88	3.56	0.44	....	....	....
5	14.75	2.88	7.31	7.75	8-1.63	11.50	....		5.69	5.56	....	6.12	4.12	0.44	....	....	....
6	15.50	3.25	8.50	9.00	12-1.50	12.50	....		6.75	6.63	....	6.75	4.69	0.50	....	....	....
8	19.00	3.62	10.63	11.50	12-1.75	15.50	....		8.75	8.63	....	8.38	5.62	0.50	....	....	....
10	23.00	4.25	12.75	14.50	12-2.00	19.00	....		10.92	10.75	....	10.00	7.00	0.50	....	....	....
12	26.50	4.88	15.00	17.75	16-2.12	22.50	....		12.92	12.75	....	11.12	8.62	0.50	....	....	....
14	29.50	5.25	16.25	19.50	16-2.38	25.00	....		14.18	14.00	....	11.75	9.50	0.50	....	....	....
16	32.50	5.75	18.50	21.75	16-2.63	27.75	....		16.19	16.00	....	12.25	10.25	0.50	....	....	....
18	36.00	6.38	21.00	23.50	16-2.88	30.50	....		18.20	18.00	....	12.88	10.88	0.50	....	....	....
20	38.75	7.00	23.00	25.25	16-3.12	32.75	....		20.25	20.00	....	14.00	11.50	0.50	....	....	....
24	46.00	8.00	27.25	30.00	16-3.63	39.00	....		24.25	24.00	....	16.00	13.00	0.50	....	....	....



ASME B16.5 Class 2500 Forged Flanges

Notes

- Dimensions (in inches)
- The diameter of hole is 1/8" larger than the diameter for bolt.
- The dimensions for standard bore are stated to bore chart.
- The dimensions is normally linked to 'true' lap joints.
- The industry standard as per ASME is to make slip on length through the hub

ASME B16.5 Class 2500 Forged Flanges

NPS IN	A	B	C	D	Diameter of Bolt Holes	Bolt Circle	E ₂ ³	E ₃	F	I	I ₂	I ₃ ₄	J	L	Opr
½	5.25	1.19	1.38	1.69	4-0.88	3.5	Purchaser Specification required	0.9	0.84	1.56	2.88	1.56	0.12	0.93	1.12
¾	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		1.72	1.66	2.06	3.75	2.06	0.19	1.75	1.5
1½	8	1.75	2.88	3.12	4-1.25	5.75		1.97	1.9	2.38	4.38	2.38	0.25	1.99	1.75
2	9.25	2	3.63	3.75	8-1.12	6.75		2.46	2.38	2.75	5	2.75	0.31	2.5	2
2½	10.5	2.25	4.13	4.5	8-1.25	7.75		2.97	2.88	3.12	5.62	3.12	0.31	3	2.25
3	12	2.62	5	5.25	8-1.38	9		3.6	3.5	....	6.62	3.62	0.38	....	....
4	14	3	6.19	6.5	8-1.63	10.75	Purchaser Specification required	4.6	4.5	....	7.5	4.25	0.44	....	....
5	16.5	3.62	7.31	8	8-1.88	12.75		5.69	5.56	....	9	5.12	0.44	....	....
6	19	4.25	8.5	9.25	8-2.12	14.5		6.75	6.63	....	10.75	6	0.5	....	....
8	21.75	5	10.63	12	12-2.12	17.25		8.75	8.63	....	12.5	7	0.5	....	....

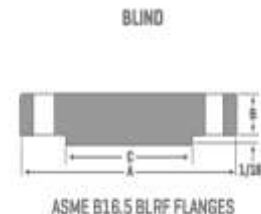
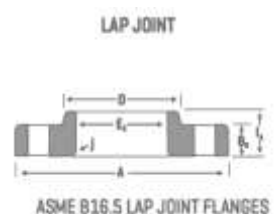
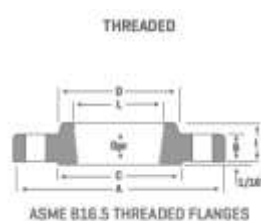
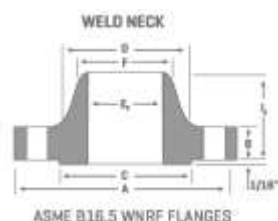


TABLE OF WEIGHT (Approx) (LBS)
ASME B16.5 Size $\frac{1}{2}$ " - 24" Forged Flanges



CATEGORY	Nominal pipe size NPS (Inches)	Slip on Flange	Threaded Flange	SORF Flange	Lap Join Flange	BLRF Flange	WNRF Neck Flange
150 IB	½	1	1	2	1	2	2
	¾	2	2	2	2	2	2
	1	2	2	2	2	2	3
	1¼	3	3	3	3	3	3
	1½	3	3	3	3	4	4
	2	5	5	5	5	5	6
	2½	8	8	8	8	7	10
	9	9	9	9	9	9	11.5
	3½	11	12	11	11	13	12
	4	13	13	13	13	17	16.5
	5	15	15	15	15	20	21
	6	19	19	19	19	27	26
	8	30	30	30	30	47	42
	10	43	43	43	43	70	54
	12	64	64	64	64	123	88
	14	90	90	90	105	140	114
	16	106	98	98	140	180	140
	18	130	130	130	160	220	165
	20	165	165	165	195	285	197
	22	185	185	185	245	355	225
	24	220	220	220	275	430	268
CATEGORY	Nominal pipe size NPS (Inches)	Slip on Flange	Threaded Flange	SORF Flange	Lap Join Flange	BLRF Flange	WNRF Neck Flange
300 IB	½	2	2	3	2	2	2
	¾	3	3	3	3	3	3
	1	3	3	3	3	4	4
	1¼	4.5	4.5	4	4.5	6	5
	1½	6.5	6.5	6	6.5	7	7
	2	7	7	7	7	8	9
	2½	10	10	10	10	12	12
	9	13	14	13	14.5	16	18
	3½	17	17	17	17	21	20
	4	23.5	24	22	24	28	26.5
	5	29	31	28	28	37	36
	6	39	39	39	39	50	45
	8	58	58	58	58	81	69
	10	81	81	81	91	124	100
	12	115	115	115	140	185	142
	14	165	165	165	190	250	206
	16	210	220	190	234	315	250
	18	253	280	250	305	414	320
	20	315	325	315	375	515	400
	22	370	370	370	435	640	465
	24	490	490	475	550	800	580



CATEGORY	Nominal pipe size NPS (Inches)	Slip on Flange	Threaded Flange	SORF Flange	Lap Join Flange	BLRF Flange	WNRF Neck Flange
400 IB	½	2	2	2	2	2	3
	¾	3	3	3	3	3	3.5
	1	3.5	3.5	3.5	3.5	4	4
	1¼	4.5	4.5	4.5	4.5	6	4.5
	1½	6.5	6.5	6.5	6.5	8	8
	2	8	8	8	8	10	10
	2½	12	12	12	11	15	14
	3	15	15	15	14	20	18
	3½	21	21	21	20	29	26
	4	26	26	26	25	33	35
	5	31	31	31	29	44	43
	6	44	44	44	42	61	57
	8	67	67	67	64	100	89
	10	91	91	91	110	155	125
	12	130	130	130	152	226	175
	14	191	191	191	210	310	233
	16	253	253	253	280	398	295
	18	310	310	310	345	502	360
	20	378	378	378	420	621	445
	22	405	405	405	455	720	505
	24	539	539	539	615	936	640
CATEGORY	Nominal pipe size NPS (Inches)	Slip on Flange	Threaded Flange	SORF Flange	Lap Join Flange	BLRF Flange	WNRF Neck Flange
600 IB	½	2	2	2	2	3	3
	¾	3	3	3	3	4	4
	1	4	4	4	4	4	4
	1¼	5	5	5	5	6	6
	1½	7	7	7	7	8	8
	2	9	9	9	9	10	12
	2½	13	13	13	12	15	18
	3	16	16	16	15	20	23
	3½	21	21	21	20	29	26
	4	37	37	37	36	41	42
	5	63	63	63	63	68	68
	6	80	80	80	78	86	81
	8	115	15	15	112	140	120
	10	177	177	177	195	231	190
	12	215	215	215	240	295	226
	14	259	259	259	290	378	347
	16	366	366	366	400	527	481
	18	476	476	476	469	665	555
	20	612	612	612	604	855	690
	22	590	590	590	670	1000	720
	24	876	876	876	866	1250	977



CATEGORY	Nominal pipe size NPS (Inches)	Slip on Flange	Threaded Flange	SORF Flange	Lap Join Flange	BLRF Flange	WNRF Neck Flange
900 IB	½	6	6	6	6	4	7
	¾	6	6	6	6	6	7
	1	7.5	7.5	7.5	7.5	9	8.5
	1¼	10	10	10	10	10	10
	1½	14	14	14	14	14	14
	2	22	22	22	21	25	24
	2½	31	31	31	25	32	31
	3	36	36	36	29	35	36
	4	53	53	53	51	54	53
	5	83	83	83	81	87	86
	6	110	110	110	105	115	110
	8	172	172	172	190	200	187
	10	245	245	245	277	290	268
	12	326	326	326	371	415	372
	14	400	400	400	415	520	562
	16	459	459	459	488	619	685
	18	647	647	647	670	880	924
	20	792	792	792	868	1107	1164
	24	1480	1480	1480	1659	2099	2107
	½	6	6	6	6	4	7
	¾	6	6	6	6	6	7
CATEGORY	Nominal pipe size NPS (Inches)	Slip on Flange	Threaded Flange	SORF Flange	Lap Join Flange	BLRF Flange	WNRF Neck Flange
1500 IB	1	8	8	8	8	9	9
	1¼	10	10	10	10	10	10
	1½	14	14	14	14	14	14
	2	25	25	25	25	25	25
	2½	36	36	36	35	35	36
	3	48	48	48	47	48	48
	4	73	73	73	75	73	73
	5	132	132	132	140	140	132
	6	165	165	165	170	160	165
	8	260	260	260	286	302	275
	10	436	436	436	485	510	455
	12	667	667	667	749	775	690
	14	940	940	940	890	975	940
	16	1250	1250	1250	1250	1300	1250
	18	1625	1625	1625	1475	1750	1625
	20	2050	2050	2050	1775	2225	2050
	24	2825	2825	2825	2825	3625	3325



CATEGORY	Nominal pipe size NPS (Inches)	Slip on Flange	Threaded Flange	SORF Flange	Lap Join Flange	BLRF Flange	WNRF Neck Flange
2550 IB	½	....	7	....	7	7	8
	¾	....	9	....	8	10	9
	1	....	12	....	12	12	13
	1¼	....	18	....	17	18	20
	1½	....	25	....	24	25	28
	2	....	38	....	37	39	42
	2½	....	55	....	53	56	52
	3	....	83	....	80	86	94
	4	....	127	....	122	133	146
	5	....	210	....	204	223	244
	6	....	323	....	314	345	378
	8	....	485	....	471	533	576
	10	....	925	....	897	1025	1068
	12	....	1300	....	1262	1464	1608

