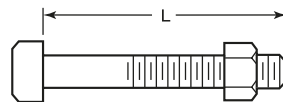
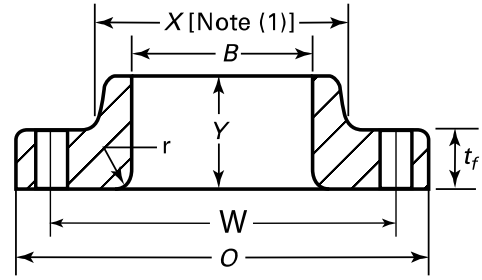
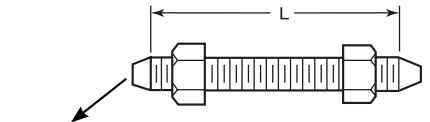




* Referential photo



Machine Bolt With Nuts



Stud Bolts With Nuts

Point height (Note 1)

Note 1: The length of the stud bolt does not include the height of the points

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Dimensions are in mm

Nominal Pipe Size, NPS		Outside Diameter of Flange (O)	Minimum Thickness of Flange, (t _f)	Diameter of Hub (X)	Length Through Hub (Y)	Bore Minimum (B)	Corner Bore Radius of Lapped Flange and Pipe (r)	Diameter of Bolt Circle (W)	Diameter of Bolt Holes (inch)	Number of Bolts	Diameter of Bolts (inch)	Length of Bolts (L)			Weight Approx. (kg)
inch	mm											Stud Bolts		Machine Bolts	
												2mm Raised Face	Ring Joint	2mm Raised Face	
1/2"	12	90	11.2	30	16	22.9	3	60.3	5/8	4	1/2	55	...	50	0.51
3/4"	18	100	12.7	38	16	28.2	3	69.9	5/8	4	1/2	65	...	50	0.64
1"	25	110	14.3	49	17	34.9	3	79.4	5/8	4	1/2	65	75	55	0.93
1 1/4"	31	115	15.9	59	21	43.7	5	88.9	5/8	4	1/2	70	85	55	1.16
1 1/2"	38	125	17.5	65	22	50.0	6	98.4	5/8	4	1/2	70	85	65	1.51
2"	50	150	19.1	78	25	62.5	8	120.7	3/4	4	5/8	85	95	70	2.38
2 1/2"	63	180	22.3	90	29	75.4	8	139.7	3/4	4	5/8	90	100	75	3.60
3"	75	190	23.9	108	30	91.4	10	152.4	3/4	4	5/8	90	100	75	4.04
3 1/2"	88	215	23.9	122	32	104.1	10	177.8	3/4	8	5/8	90	100	75	-
4"	100	230	23.9	135	33	116.8	11	190.5	3/4	8	5/8	90	100	75	5.96
5"	125	255	23.9	164	36	144.4	11	215.9	7/8	8	3/4	95	110	85	6.44
6"	150	280	25.4	192	40	171.4	13	241.3	7/8	8	3/4	100	115	85	7.59
8"	200	345	28.6	246	44	222.2	13	298.5	7/8	8	3/4	110	120	90	12.66
10"	250	405	30.2	305	49	277.4	13	362.0	1	12	7/8	115	125	100	16.78
12"	300	485	31.8	365	56	328.2	13	431.8	1	12	7/8	120	135	100	28.30
14"	350	535	35.0	400	79	360.2	13	476.3	1 1/8	12	1	135	145	115	41.50
16"	400	595	36.6	457	87	411.2	13	539.8	1 1/8	16	1	135	145	115	52.98
18"	450	635	39.7	505	97	462.3	13	577.9	1 1/4	16	1 1/8	145	160	125	59.00
20"	500	700	42.9	559	103	514.4	13	635.0	1 1/4	20	1 1/8	160	170	140	72.12
22"	550	750	46.1	610	108	565.2	13	692.2	1 3/8	20	1 1/4	170	185	150	-
24"	600	815	47.7	663	111	616.0	13	749.3	1 3/8	20	1 1/4	170	185	150	99.02

Note (1) This dimension is for large end of hub, which may be straight or tapered. Taper shall not exceed 7 deg on threaded, slip-on, socket-welding, and lapped flanges. This dimension is defined as the diameter at the intersection between the hub taper and back face of the flange.

* Note : Dimensions, design and materials are subject to change without notice. Reference weights

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