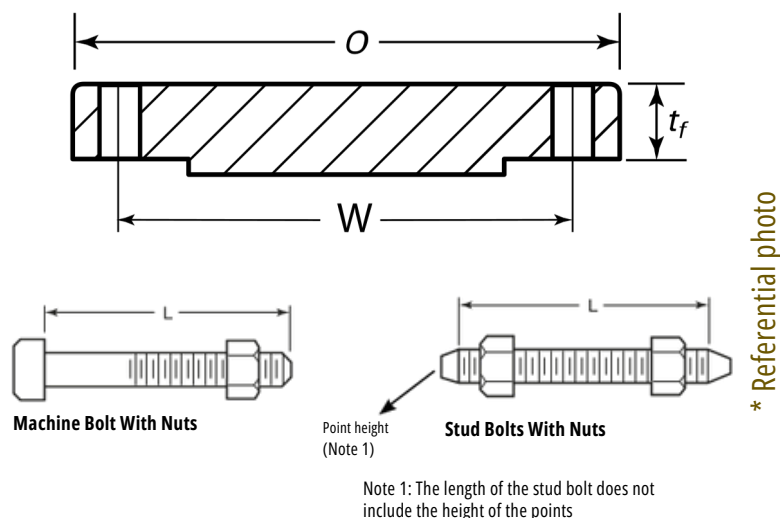




Dimensions are in mm

Nominal Pipe Size, NPS	Outside Diameter of Flange (O)	Minimum Thickness of Flange, (t _f)	Diameter of Bolt Circle (W)	Diameter of Bolt Holes (inch)	Number of Bolts	Diameter of Bolts (inch)	Length of Bolts (L)			Weight Approx. (kg)
							Stud Bolts		Machine Bolts	
							1.5 mm Raised Face	Ring Joint	1.5 mm Raised Face	
1/2"	95	12.7	66.7	5/8	4	1/2	65	75	55	0.62
3/4"	117	14.2	82.6	3/4	4	5/8	75	90	65	1.16
1"	124	15.7	88.9	3/4	4	5/8	75	90	65	1.42
1 1/4"	133	17.5	98.4	3/4	4	5/8	85	95	70	1.79
1 1/2"	155	19.0	114.3	7/8	4	3/4	90	100	75	2.68
2"	165	20.6	127.0	3/4	8	5/8	90	100	75	3.09
2 1/2"	190	23.9	149.2	7/8	8	3/4	100	115	85	4.75
3"	210	26.9	168.3	7/8	8	3/4	110	120	90	6.79
3 1/2"	229	28.4	184.2	7/8	8	3/4	110	125	95	-
4"	254	30.2	200.0	7/8	8	3/4	115	125	95	12.00
5"	279	33.3	235.0	7/8	8	3/4	120	135	110	15.96
6"	318	35.1	269.9	7/8	12	3/4	120	140	110	21.20
8"	381	39.6	330.2	1	12	7/8	140	150	120	34.60
10"	444	46.0	387.4	1 1/8	16	1	160	170	140	55.34
12"	521	49.3	450.8	1 1/4	16	1 1/8	170	185	145	78.90
14"	584	52.3	514.4	1 1/4	20	1 1/8	180	190	160	107.05
16"	648	55.6	571.5	1 3/8	20	1 1/4	190	205	165	139.25
18"	711	58.7	628.6	1 3/8	24	1 1/4	195	210	170	176.90
20"	775	62.0	685.8	1 3/8	24	1 1/4	205	220	185	223.17
22"	838	65.0	743.0	1 5/8	24	1 1/2	230	255	205	-
24"	914	68.3	812.8	1 5/8	24	1 1/2	230	255	205	342.00

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