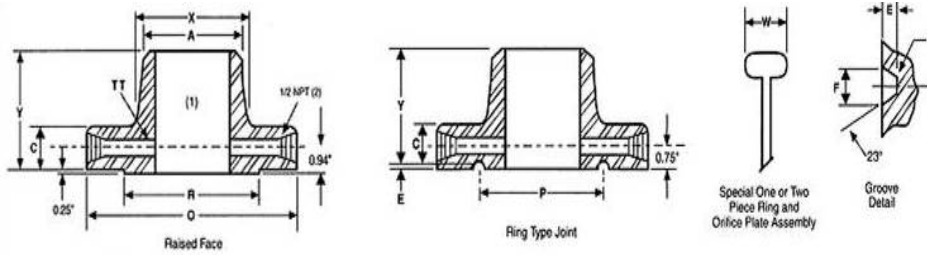


Welding Neck Orifice Class 2500 Flanges



The welding neck flange is normally referred to as the "high hub" Flange. It is designed to transfer stresses to the pipe, thereby reducing high stress concentrations at the base of the Flange. The welding neck flange is the best designed butt-welded flange of those currently available because of its inherent structural value. It is expensive because of the design.

	Nom Size								Drilling				Ring Type Joint			
		OD	Thickn ss	OD of RF	Dia at Base	Dia Bevel	LTH	Dia of Pressure Connection	Bolt Circle	Hole Dia	# of holes	Pitch Dia	Groove Depth	Groove Width	Rad at Bottom	Spec Oval RH
		O	C	R	X	A	Y	TT				P	E	F	r max	W
in	1	6.25	1.5	2	2.25	1.32	3.62	1/4	4.25	1	4	2.375	0.25	0.344	0.03	1
mm		158.8	38.1	50.8	57.2	33.5	91.9	6.4	108	25.4		60.325	6.35	8.738	0.8	25.4
in	1 1/2	8	1.75	2.88	3.12	1.9	4.38	1/4	5.75	1.25	4	3.25	0.312	0.469	0.03	1.06
mm		203.2	44.5	73.2	79.2	48.3	111.3	6.4	146.1	31.8		82.55	7.925	11.913	0.8	26.9
in	2	9.25	2	3.62	3.75	2.38	5	1/4	6.75	1.12	8	4	0.312	0.469	0.03	1.06
mm		235	50.8	91.9	95.3	60.5	127	6.4	171.5	28.4		101.6	7.925	11.913	0.8	26.9
in	2 1/2	10.5	2.25	4.12	4.5	2.88	5.62	1/4	7.75	1.25	8	4.375	0.375	0.531	0.06	1.19
mm		266.7	57.2	104.6	114.3	73.2	142.7	6.4	196.9	31.8		111.125	9.525	13.487	1.5	30.2
in	3	12	2.62	5	5.25	3.5	6.62	3/8	9	1.38	8	5	0.375	0.531	0.06	1.19
mm		304.8	66.5	127	133.4	88.9	168.1	9.5	228.6	35.1		127	9.525	13.487	1.5	30.2
in	4	14	3	6.19	6.5	4.5	7.5	1/2	10.75	1.62	8	.....	.....	.....	.....	.....
mm		355.6	76.2	157.2	165.1	114.3	190.5	12.7	273.1	41.1		.....	.....	.....	.....	.....
in	6	19	4.25	8.5	9.25	6.63	10.75	1/2	14.5	2.12	8	.....	.....	.....	.....	.....
mm		482.6	108	215.9	235	168.4	273.1	12.7	368.3	53.8		.....	.....	.....	.....	.....
in	8	21.75	5	10.62	12	8.63	12.5	1/2	17.25	2.12	12	.....	.....	.....	.....	.....
mm		552.5	127	269.7	304.8	219.2	317.5	12.7	438.2	53.8		.....	.....	.....	.....	.....
in	10	26.5	6.5	12.75	14.75	10.75	16.5	1/2	21.25	2.62	12	.....	.....	.....	.....	.....
mm		673.1	165.1	323.9	374.7	273.1	419.1	12.7	539.8	66.5		.....	.....	.....	.....	.....
in	12	30	7.25	15	17.38	12.75	18.25	1/2	24.38	2.88	12	.....	.....	.....	.....	.....
mm		762	184.2	381	441.5	323.9	463.6	12.7	619.3	73.2		.....	.....	.....	.....	.....

1. Bore diameter to be specified by purchaser.
2. Other NPT and SW connections available upon request.

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