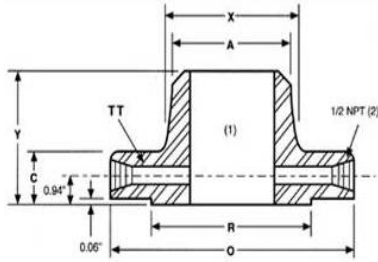


Welding Neck Orifice Class 300 Flanges



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.

weld neck orifice flange

									Drilling			
	Nom Size	OD	Thickne ss	OD of RF	Dia at Base	Dia Bevel	LTH	Dia of Pressu re Connec tion	Bolt Circle	Hole Dia	# of Holes	Bolt Dia
in	1	4.88	1.5	2	2.12	1.32	3.25	1/4	3.5	0.69	4	5/8
mm		124	38.1	50.8	53.8	33.5	82.6	6.4	88.9	17.5		15.9
in	1 1/2	6.12	1.5	2.88	2.75	1.9	3.38	1/4	4.5	0.81	4	3/4
mm		155.4	38.1	73.2	69.9	48.3	85.9	6.4	114.3	20.6		19.1
in	2	6.5	1.5	3.62	3.31	2.38	3.38	1/4	5	0.69	8	5/8
mm		165.1	38.1	91.9	84.1	60.5	85.9	6.4	127	17.5		15.9
in	2 1/2	7.5	1.5	4.12	3.94	2.88	3.5	1/4	5.88	0.81	8	3/4
mm		190.5	38.1	104.6	100.1	73.2	88.9	6.4	149.4	20.6		19.1
in	3	8.25	1.5	5	4.62	3.5	3.5	3/8	6.62	0.81	8	3/4
mm		209.6	38.1	127	117.3	88.9	88.9	9.5	168.1	20.6		19.1
in	4	10	1.5	6.19	5.75	4.5	3.62	1/2	7.88	0.81	8	3/4
mm		254	38.1	157.2	146.1	114.3	91.9	12.7	200.2	20.6		19.1
in	6	12.5	1.5	8.5	8.12	6.63	3.94	1/2	10.62	0.88	12	3/4
mm		317.5	38.1	215.9	206.2	168.4	100.1	12.7	269.7	22.4		19.1
in	8	15	1.62	10.62	10.25	8.63	4.38	1/2	13	1	12	7/8
mm		381	41.1	269.7	260.4	219.2	111.3	12.7	330.2	25.4		22.2
in	10	17.5	1.88	12.75	12.62	10.75	4.62	1/2	15.25	1.12	16	1
mm		444.5	47.8	323.9	320.5	273.1	117.3	12.7	387.4	28.4		25.4
in	12	20.5	2	15	14.75	12.75	5.12	1/2	17.75	1.25	16	1 1/8
mm		520.7	50.8	381	374.7	323.9	130	12.7	450.9	31.8		28.6
in	14	23	2.12	16.25	16.75	14	5.62	1/2	20.25	1.25	20	1 1/8
mm		584.2	53.8	412.8	425.5	355.6	142.7	12.7	514.4	31.8		28.6
in	16	25.5	2.25	18.5	19	16	5.75	1/2	22.5	1.38	20	1 1/4
mm		647.7	57.2	469.9	482.6	406.4	146.1	12.7	571.5	35.1		31.8
in	18	28	2.38	21	21	18	6.25	1/2	24.75	1.38	24	1 1/4
mm		711.2	60.5	533.4	533.4	457.2	158.8	12.7	628.7	35.1		31.8
in	20	30.5	2.5	23	23.12	20	6.38	1/2	27	1.38	24	1 1/4
mm		774.7	63.5	584.2	587.2	508	162.1	12.7	685.8	35.1		31.8
in	24	36	2.75	27.25	27.62	24	6.62	1/2	32	1.62	24	1 1/2
mm		914.4	69.9	692.2	701.5	609.6	168.1	12.7	812.8	41.1		38.1

Note: Weld Neck flanges NPS 3" and smaller are identical to Class 600 flanges and may be so marked.

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

flange forged flange flanges flange