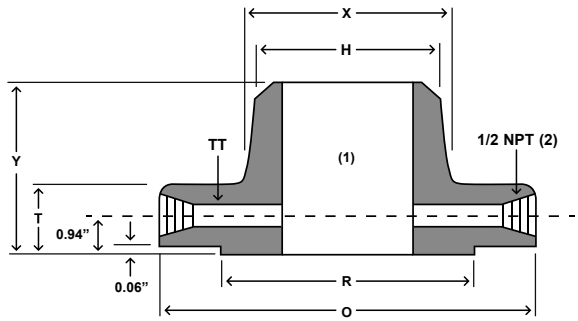
Welding Neck Orifice Class 300



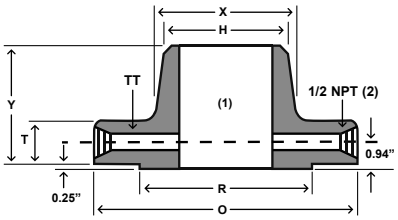
									Drilling			
	Nom Size	OD	Thickness	OD of RF	Dia at Base	Dia Bevel	LTH	Dia of Pressure Connection	Bolt Circle	Hole Dia	# of Holes	Bolt Dia
		O	T	R	X	H	Y	TT				
in	1	4.88	1.50	2.00	2.12	1.32	3.25	1/4	3.50	0.69	4	5/8
mm		124.0	38.1	50.8	53.8	33.5	82.6	6.4	88.9	17.5		15.9
in	1 1/2	6.12	1.50	2.88	2.75	1.90	3.38	1/4	4.50	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	6.50	1.50	3.62	3.31	2.38	3.38	1/4	5.00	0.69	8	5/8
mm		165.1	38.1	91.9	84.1	60.5	85.9	6.4	127.0	17.5		15.9
in	2 1/2	7.50	1.50	4.12	3.94	2.88	3.50	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	1.50	5.00	4.62	3.50	3.50	3/8	6.62	0.81	8	3/4
mm		209.6	38.1	127.0	117.3	88.9	88.9	9.5	168.1	20.6		19.1
in	4	10.00	1.50	6.19	5.75	4.50	3.62	1/2	7.88	0.81	8	3/4
mm		254.0	38.1	157.2	146.1	114.3	91.9	12.7	200.2	20.6		19.1
in	6	12.50	1.50	8.50	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	15.00	1.62	10.62	10.25	8.63	4.38	1/2	13.00	1.00	12	7/8
mm		381.0	41.1	269.7	260.4	219.2	111.3	12.7	330.2	25.4		22.2
in	10	17.50	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	20.50	2.00	15.00	14.75	12.75	5.12	1/2	17.75	1.25	16	1 1/8
mm		520.7	50.8	381.0	374.7	323.9	130.0	12.7	450.9	31.8		28.6
in	14	23.00	2.12	16.25	16.75	14.00	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	25.50	2.25	18.50	19.00	16.00	5.75	1/2	22.50	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	28.00	2.38	21.00	21.00	18.00	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	30.50	2.50	23.00	23.12	20.00	6.38	1/2	27.00	1.38	24	1 1/4
mm		774.7	63.5	584.2	587.2	508.0	162.1	12.7	685.8	35.1		31.8
in	24	36.00	2.75	27.25	27.62	24.00	6.62	1/2	32.00	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

NOTES: **WELD NECK FLANGES NPS 3" AND SMALLER ARE IDENTICAL TO CLASS 600 FLANGES AND MAY BE SO MARKED**

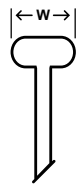
(1) Bore diameter to be specified by purchaser

(2) Other NPT and SW connections available upon request

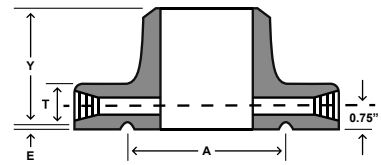
Welding Neck Orifice Class 400



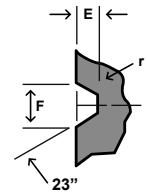
RAISED FACE



SPECIAL 1 OR 2 PIECE RING AND ORIFICE PLATE ASSEMBLY



RING TYPE JOINT



GROOVE DETAIL

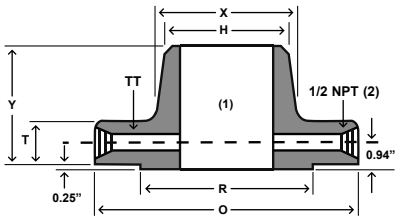
									Drilling						Ring Type Joint			
	Nom Size	OD	Thickness	OD of RF	Dia at Base	Dia Bevel	LTH	Dia of Pressure Connection	Bolt Circle	Hole Dia	# of holes	Bolt Dia	Grove #	Pitch Dia	Groove Depth	Groove width	Rad at Bottom	Spec Oval RH
		O	T	R	X	H	Y	TT						P	E	F	r max	W
in	4	10.00	1.50	6.19	5.75	4.50	3.50	1/2	7.88	1.00	8	7/8	R37	5.875	0.312	0.469	0.03	1.06
mm		254.0	38.1	157.2	146.1	114.3	88.9	12.7	200.2	25.4		22.2		149.225	7.925	11.913	0.8	26.9
in	6	12.50	1.62	8.50	8.12	6.63	4.06	1/2	10.62	1.00	12	7/8	R45	8.312	0.312	0.469	0.03	1.06
mm		317.5	41.1	215.9	206.2	168.4	103.1	12.7	269.7	25.4		22.2		211.125	7.925	11.913	0.8	26.9
in	8	15.00	1.88	10.62	10.25	8.63	4.62	1/2	13.00	1.12	12	1	R49	10.625	0.312	0.469	0.03	1.06
mm		381.0	47.8	269.7	260.4	219.2	117.3	12.7	330.2	28.4		25.4		269.875	7.925	11.913	0.8	26.9
in	10	17.50	2.12	12.75	12.62	10.75	4.88	1/2	15.25	1.25	16	1 1/8	R53	12.750	0.312	0.469	0.03	1.06
mm		444.5	53.8	323.9	320.5	273.1	124.0	12.7	387.4	31.8		28.6		323.850	7.925	11.913	0.8	26.9
in	12	20.50	2.25	15.00	14.75	12.75	5.38	1/2	17.75	1.38	16	1 1/4	R57	15.000	0.312	0.469	0.03	1.06
mm		520.7	57.2	381.0	374.7	323.9	136.7	12.7	450.9	35.1		31.8		381.000	7.925	11.913	0.8	26.9
in	14	23.00	2.39	16.25	16.75	14.00	5.88	1/2	20.25	1.38	20	1 1/4	R61	16.500	0.312	0.469	0.03	1.06
mm		584.2	60.7	412.8	425.5	355.6	149.4	12.7	514.4	35.1		31.8		419.100	7.925	11.913	0.8	26.9
in	16	25.50	2.50	18.50	19.00	16.00	6.00	1/2	22.50	1.50	20	1 3/8	R65	18.500	0.312	0.469	0.03	1.19
mm		647.7	63.5	469.9	482.6	406.4	152.4	12.7	571.5	38.1		34.9		469.900	7.925	11.913	0.8	30.2
in	18	28.00	2.62	21.00	21.00	18.00	6.50	1/2	24.75	1.50	24	1 3/8	R69	21.000	0.312	0.469	0.03	1.19
mm		711.2	66.5	533.4	533.4	457.2	165.1	12.7	628.7	38.1		34.9		533.400	7.925	11.913	0.8	30.2
in	20	30.50	2.75	23.00	23.12	20.00	6.62	1/2	27.00	1.62	24	1 1/2	R73	23.000	0.375	0.531	0.06	1.25
mm		774.7	69.9	584.2	587.12	508.0	168.1	12.7	685.8	41.1		38.1		584.200	9.525	13.487	1.5	31.8
in	24	36.00	3.00	27.25	27.62	24.00	6.88	1/2	32.00	1.89	24	1 3/4						
mm		914.4	76.2	692.2	701.5	609.6	174.8	12.7	812.8	48.0		44.5						

NOTES: **WELD NECK FLANGES NPS 3" AND SMALLER ARE IDENTICAL TO CLASS 600 FLANGES AND MAY BE SO MARKED**

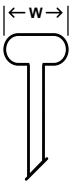
(1) Bore diameter to be specified by purchaser

(2) Other NPT and SW connections available upon request

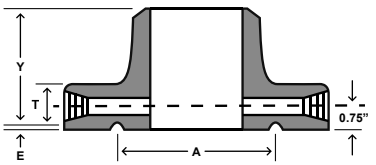
Welding Neck Orifice Class 600



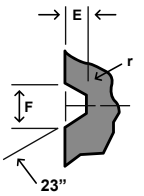
RAISED FACE



SPECIAL 1 OR 2 PIECE RING AND ORIFICE PLATE ASSEMBLY



RING TYPE JOINT



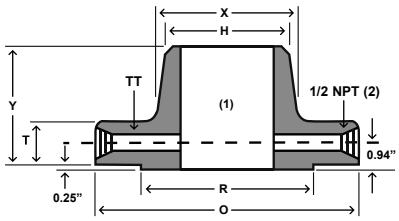
GROOVE DETAIL

									Drilling							Ring Type Joint			
	Nom Size	OD	Thickness	OD of RF	Dia at base	Dia Bevel	LTH	Dia of Pressure Connection	Bolt Circle	Hole Dia		# of holes	Bolt Dia	Grove #	Pitch Dia	Groove Depth	Groove width	Rad at Bottom	Spec Oval RH
		O	T	R	X	H	Y	TT		RF	RJ				P	E	F	r max	W
in	1	4.88	1.50	2.00	2.12	1.32	3.25	1/4	3.50	0.69	0.75	4	5/8	R16	2.000	0.250	0.344	0.03	1.00
mm		124.0	38.1	50.8	53.8	33.5	82.6	6.4	88.9	17.50	19.1		15.9		50.800	6.350	8.738	0.8	25.4
in	1 1/2	6.12	1.50	2.88	2.75	1.90	3.38	1/4	4.50	0.81	0.88	4	3/4	R20	2.688	0.250	0.344	0.03	1.00
mm		155.4	38.1	73.2	69.9	48.3	85.9	6.4	114.3	20.60	22.4		19.1		68.275	6.350	8.738	0.8	25.4
in	2	6.50	1.50	3.62	3.31	2.38	3.38	1/4	5.00	0.69	0.75	8	5/8	R23	3.250	0.312	0.469	0.03	1.06
mm		165.1	38.1	91.9	84.1	60.5	85.9	6.4	127.00	17.50	19.1		15.9		82.550	7.925	11.913	0.8	26.9
in	2 1/2	7.50	1.50	4.12	3.94	2.88	3.50	1/4	5.88	0.81	0.88	8	3/4	R26	4.000	0.312	0.469	0.03	1.06
mm		190.5	38.1	104.6	100.1	73.2	88.9	6.4	149.35	20.60	22.4		19.1		101.600	7.925	11.913	0.8	26.9
in	3	8.25	1.50	5.00	4.62	3.50	3.50	3/8	6.62	0.81	0.88	8	3/4	R31	4.875	0.312	0.469	0.03	1.06
mm		209.6	38.1	127.0	117.3	88.9	88.9	9.5	168.15	20.60	22.4		19.1		123.825	7.925	11.913	0.8	26.9
in	4	10.75	1.50	6.19	6.00	4.50	4.00	1/2	8.50	1.00	1.00	8	7/8	R37	5.875	0.312	0.469	0.03	1.06
mm		273.1	38.1	157.2	152.4	114.3	101.6	12.7	215.9	25.40	25.4		22.2		149.225	7.925	11.913	0.8	26.9
in	6	14.00	1.88	8.50	8.75	6.63	4.62	1/2	11.50	1.12	1.12	12	1	R45	8.312	0.312	0.469	0.03	1.06
mm		355.6	47.8	215.9	222.3	168.4	117.3	12.7	292.1	28.40	28.4		25.4		211.125	7.925	11.913	0.8	26.9
in	8	16.50	2.19	10.62	10.75	8.63	5.25	1/2	13.75	1.25	1.25	12	1 1/8	R49	10.625	0.312	0.469	0.03	1.06
mm		419.1	55.6	269.7	273.1	219.2	133.4	12.7	349.25	31.80	31.8		28.6		269.875	7.925	11.913	0.8	26.9
in	10	20.00	2.50	12.75	13.50	10.75	6.00	1/2	17.00	1.38	1.38	16	1 1/4	R53	12.750	0.312	0.469	0.03	1.06
mm		508.0	63.5	323.9	342.9	273.1	152.4	12.7	431.8	35.10	35.1		31.8		323.850	7.925	11.913	0.8	26.9
in	12	22.00	2.62	15.00	15.75	12.75	6.12	1/2	19.25	1.38	1.38	20	1 1/4	R57	15.000	0.312	0.469	0.03	1.06
mm		558.8	66.5	381.0	400.1	323.9	155.4	12.7	488.95	35.10	35.1		31.8		381.000	7.925	11.913	0.8	26.9
in	14	23.75	2.75	16.25	17.00	14.00	6.50	1/2	20.75	1.50	1.50	20	1 3/8	R61	16.500	0.312	0.469	0.03	1.06
mm		603.3	69.9	412.8	431.8	355.6	165.1	12.7	527.05	38.10	38.1		35.1		419.100	7.925	11.913	0.8	26.9
in	16	27.00	3.00	18.50	19.50	16.00	7.00	1/2	23.75	1.60	1.60	20	1 1/2	R65	18.500	0.312	0.469	0.03	1.19
mm		685.8	76.2	469.9	495.3	406.4	177.8	12.7	603.25	41.10	41.1		38.1		469.900	7.925	11.913	0.8	30.2
in	18	29.25	3.25	21.00	21.50	18.00	7.25	1/2	25.75	1.75	1.75	20	1 5/8	R69	21.000	0.312	0.469	0.03	1.19
mm		743.0	82.6	533.4	546.1	457.2	184.2	12.7	654.05	44.50	44.5		41.3		533.400	7.925	11.913	0.8	30.2
in	20	32.00	3.50	23.00	24.00	20.00	7.50	1/2	28.50	1.75	1.75	24	1 5/8	R73	23.000	0.375	0.531	0.06	1.25
mm		812.8	88.9	584.2	609.6	508.0	190.5	12.7	723.9	44.50	44.5		41.3		584.200	9.525	13.487	1.5	31.8
in	24	37.00	4.00	27.25	28.25	24.00	8.00	1/2	33.00	2.00	2.00	24	1 7/8						
mm		939.8	101.6	692.2	717.6	609.6	203.2	12.7	838.2	50.80	50.8		47.6						

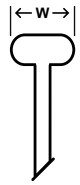
(1) Bore diameter to be specified by purchaser

(2) Other NPT and SW connections available upon request

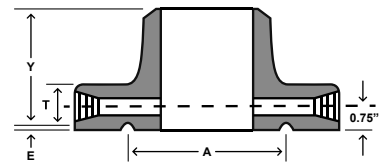
Welding Neck Orifice Class 900



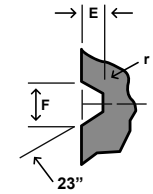
RAISED FACE



SPECIAL 1 OR 2 PIECE RING AND ORIFICE PLATE ASSEMBLY



RING TYPE JOINT



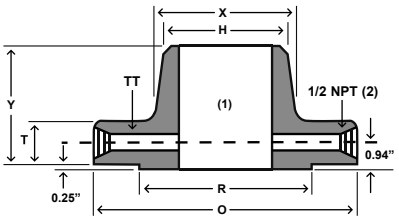
GROOVE DETAIL

									Drilling						Ring Type Joint			
	Nom Size	OD	Thickness	OD of RF	Dia at Base	Dia Bevel	LTH	Dia of Pressure Connection	Bolt Circle	Hole Dia	# of holes	Bolt Dia	Grove #	Pitch Dia	Groove Depth	Groove Width	Rad at Bottom	Spec Oval RH
		O	T	R	X	H	Y	TT						P	E	F	r max	W
in	3	9.50	1.50	5.00	5.00	3.50	4.00	3/8	7.50	1.00	8	7/8	R31	4.875	0.312	0.469	0.03	1.06
mm		241.3	38.1	127.0	127.0	88.9	101.6	9.5	190.5	25.40		22.2		123.825	7.925	11.913	0.8	26.9
in	4	11.50	1.75	6.19	6.25	4.50	4.50	1/2	9.25	1.25	8	1 1/8	R37	5.875	0.312	0.469	0.03	1.06
mm		292.1	44.5	157.2	158.8	114.3	114.3	12.7	235.0	31.80		28.6		149.225	7.925	11.913	0.8	26.9
in	6	15.00	2.19	8.50	9.25	6.63	5.50	1/2	12.50	1.25	12	1 1/8	R45	8.312	0.312	0.469	0.03	1.06
mm		381.0	55.6	215.9	235.0	168.4	139.7	12.7	317.5	31.80		28.6		211.125	7.925	11.913	0.8	26.9
in	8	18.50	2.50	10.62	11.75	8.63	6.38	1/2	15.50	1.50	12	1 3/8	R49	10.625	0.312	0.469	0.03	1.06
mm		469.9	63.5	269.7	298.5	219.2	162.1	12.7	393.7	38.10		34.9		269.875	7.925	11.913	0.8	26.9
in	10	21.50	2.75	12.75	14.50	10.75	7.25	1/2	18.50	1.50	16	1 3/8	R53	12.750	0.312	0.469	0.03	1.06
mm		546.1	69.9	323.9	368.3	273.1	184.2	12.7	469.9	38.10		34.9		323.850	7.925	11.913	0.8	26.9
in	12	24.00	3.12	15.00	16.50	12.75	7.88	1/2	21.00	1.50	20	1 3/8	R57	15.000	0.312	0.469	0.03	1.06
mm		609.6	79.2	381.0	419.1	323.9	200.2	12.7	533.4	38.10		34.9		381.000	7.925	11.913	0.8	26.9
in	14	25.25	3.38	16.25	17.75	14.00	8.38	1/2	22.00	1.62	20	1 1/2						
mm		641.4	85.9	412.8	450.9	355.6	212.9	12.7	558.8	41.10		38.1						
in	16	27.75	3.50	18.50	20.00	16.00	8.50	1/2	24.30	1.75	20	1 5/8						
mm		704.9	88.9	469.9	508.0	406.4	215.9	12.7	616.0	44.50		41.3						
in	18	31.00	4.00	21.00	22.25	18.00	9.00	1/2	27.00	2.00	20	1 7/8						
mm		787.4	101.6	533.4	565.2	457.2	228.6	12.7	685.8	50.80		47.6						
in	20	33.75	4.25	23.00	24.50	20.00	9.75	1/2	29.50	2.12	20	2						
mm		857.3	108.0	584.2	622.3	508.0	247.7	12.7	749.3	53.80		50.8						
in	24	41.00	5.50	27.25	29.50	24.00	11.50	1/2	35.50	2.62	20	2 1/2						
mm		1041.4	139.7	692.2	749.3	609.6	292.1	12.7	901.7	66.50		63.5						

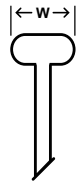
(1) Bore diameter to be specified by purchaser

(2) Other NPT and SW connections available upon request

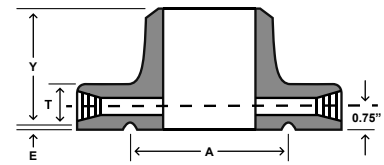
Welding Neck Orifice Class 1500



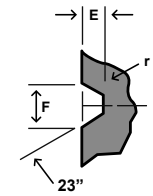
RAISED FACE



SPECIAL 1 OR 2 PIECE RING AND ORIFICE PLATE ASSEMBLY



RING TYPE JOINT



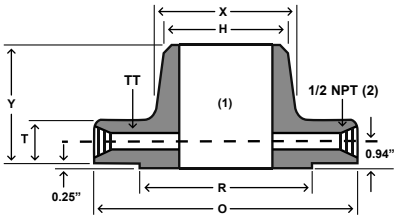
GROOVE DETAIL

									Drilling						Ring Type Joint			
	Nom Size	OD	Thickness	OD of RF	Dia at Base	Dia Bevel	LTH	Dia of Pressure Connection	Bolt Circle	Hole Dia	# of holes	Bolt Dia	Grove #	Pitch Dia	Groove Depth	Groove Width	Rad at Bottom	Spec Oval RH
		O	T	R	X	H	Y	TT						P	E	F	r max	W
in	1	5.88	1.50	2.00	2.06	1.32	3.25	1/4	4.00	1.00	4	7/8	R16	2.000	0.250	0.344	0.03	1.00
mm		149.4	38.1	50.8	52.3	33.5	82.6	6.4	101.6	25.4		22.2		50.800	6.350	8.738	0.8	25.4
in	1 1/2	7.00	1.50	2.88	2.75	1.90	3.50	1/4	4.88	1.12	4	1	R20	2.688	0.250	0.344	0.03	1.00
mm		177.8	38.1	73.2	69.9	48.3	88.9	6.4	124.0	28.4		25.4		68.275	6.350	8.738	0.8	25.4
in	2	8.50	1.50	3.62	4.12	2.38	4.00	1/4	6.50	1.00	8	7/8	R24	3.750	0.312	0.469	0.03	1.06
mm		215.9	38.1	91.9	104.6	60.5	101.6	6.4	165.1	25.4		22.2		95.250	7.925	11.913	0.8	26.9
in	2 1/2	9.62	1.62	4.12	4.88	2.88	4.12	1/4	7.50	1.12	8	1	R27	4.250	0.312	0.469	0.03	1.06
mm		244.3	41.1	104.6	124.0	73.2	104.6	6.4	190.5	28.4		25.4		107.950	7.925	11.913	0.8	26.9
in	3	10.50	1.88	5.00	5.25	3.50	4.62	3/8	8.00	1.25	8	1 1/8	R35	5.375	0.312	0.469	0.03	1.06
mm		266.7	47.8	127.0	133.4	88.9	117.3	9.5	203.2	31.8		28.6		136.525	7.925	11.913	0.8	26.9
in	4	12.25	2.12	6.19	6.38	4.50	4.88	1/2	9.50	1.38	8	1 1/4	R39	6.375	0.312	0.469	0.03	1.06
mm		311.2	53.8	157.2	162.1	114.3	124.0	12.7	241.3	35.1		31.8		161.925	7.925	11.913	0.8	26.9
in	6	15.50	3.25	8.50	9.00	6.63	6.75	1/2	12.50	1.50	12	1 3/8	R46	8.312	0.375	0.531	0.06	1.12
mm		393.7	82.6	215.9	228.6	168.4	171.5	12.7	317.5	38.1		34.9		211.125	9.525	13.487	1.5	28.4
in	8	19.00	3.62	10.62	11.50	8.63	8.38	1/2	15.50	1.75	12	1 5/8	.....	.....	.....	.....	.....	.....
mm		482.6	91.9	269.7	292.1	219.2	212.9	12.7	393.7	44.5		41.3	.....	.....	.....	.....	.....	.....
in	10	23.00	4.25	12.75	14.50	10.75	10.00	1/2	19.00	2.00	12	1 7/8	.....	.....	.....	.....	.....	.....
mm		584.2	108.0	323.9	368.3	273.1	254.0	12.7	482.6	50.8		47.6	.....	.....	.....	.....	.....	.....
in	12	26.50	4.88	15.00	17.75	12.75	11.12	1/2	22.50	2.12	16	2	.....	.....	.....	.....	.....	.....
mm		673.1	124.0	381.0	450.9	323.9	282.4	12.7	571.5	53.8		50.8	.....	.....	.....	.....	.....	.....
in	14	29.50	5.25	16.25	19.50	14.00	11.75	1/2	25.00	2.38	16	2 1/4	.....	.....	.....	.....	.....	.....
mm		749.3	133.4	412.8	495.3	355.6	298.5	12.7	635.0	60.5		57.2	.....	.....	.....	.....	.....	.....
in	16	32.50	5.75	18.50	21.75	16.00	12.25	1/2	27.80	2.60	16	2 1/2	.....	.....	.....	.....	.....	.....
mm		825.5	146.1	469.9	552.1	406.4	311.2	12.7	704.9	66.5		63.5	.....	.....	.....	.....	.....	.....
in	18	36.00	6.38	21.00	23.50	18.00	12.88	1/2	30.50	2.88	16	2 3/4	.....	.....	.....	.....	.....	.....
mm		914.4	162.1	533.4	596.9	457.2	327.2	12.7	774.7	73.2		69.9	.....	.....	.....	.....	.....	.....
in	20	38.75	7.00	23.00	25.25	20.00	14.00	1/2	32.75	3.12	16	3	.....	.....	.....	.....	.....	.....
mm		984.3	177.8	584.2	641.4	508.0	355.6	12.7	831.9	79.2		76.2	.....	.....	.....	.....	.....	.....
in	24	46.00	8.00	27.25	30.00	24.00	16.00	1/2	39.00	3.62	16	3 1/2	.....	.....	.....	.....	.....	.....
mm		1168.4	203.2	692.2	762.0	609.6	406.4	12.7	990.6	91.9		88.9	.....	.....	.....	.....	.....	.....

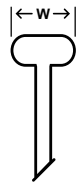
(1) Bore diameter to be specified by purchaser

(2) Other NPT and SW connections available upon request

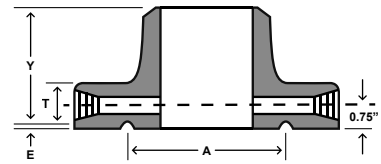
Welding Neck Orifice Class 2500



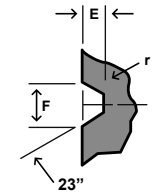
RAISED FACE



SPECIAL 1 OR 2 PIECE RING AND ORIFICE PLATE ASSEMBLY



RING TYPE JOINT



GROOVE DETAIL

									Drilling						Ring Type Joint			
	Nom Size	OD	Thickness	OD of RF	Dia at Base	Dia Bevel	LTH	Dia of Pressure Connection	Bolt Circle	Hole Dia	# of holes	Bolt Dia	Grove #	Pitch Dia	Groove Depth	Groove Width	Rad at Bottom	Spec Oval RH
		O	T	R	X	H	Y	TT						P	E	F	r max	W
in	1	6.25	1.50	2.00	2.25	1.32	3.62	1/4	4.25	1.00	4	7/8	R18	2.375	0.250	0.344	0.03	1.00
mm		158.8	38.1	50.8	57.2	33.5	91.9	6.4	108.0	25.4		22.2		60.325	6.350	8.738	0.8	25.4
in	1 1/2	8.00	1.75	2.88	3.12	1.90	4.38	1/4	5.75	1.25	4	1 1/8	R23	3.250	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		28.6		82.550	7.925	11.913	0.8	26.9
in	2	9.25	2.00	3.62	3.75	2.38	5.00	1/4	6.75	1.12	8	1	R26	4.000	0.312	0.469	0.03	1.06
mm		235.0	50.8	91.9	95.3	60.5	127.0	6.4	171.5	28.4		25.4		101.600	7.925	11.913	0.8	26.9
in	2 1/2	10.50	2.25	4.12	4.50	2.88	5.62	1/4	7.75	1.25	8	1 1/8	R28	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		28.6		111.125	9.525	13.487	1.5	30.2
in	3	12.00	2.62	5.00	5.25	3.50	6.62	3/8	9.00	1.38	8	1 1/4	R32	5.000	0.375	0.531	0.06	1.19
mm		304.8	66.5	127.0	133.4	88.9	168.1	9.5	228.6	35.1		31.8		127.000	9.525	13.487	1.5	30.2
in	4	14.00	3.00	6.19	6.50	4.50	7.50	1/2	10.75	1.62	8	1 1/2	.....	.....	.....	.....	.....	.....
mm		355.6	76.2	157.2	165.1	114.3	190.5	12.7	273.1	41.1		38.1	.....	.....	.....	.....	.....	.....
in	6	19.00	4.25	8.50	9.25	6.63	10.75	1/2	14.50	2.12	8	2	.....	.....	.....	.....	.....	.....
mm		482.6	108.0	215.9	235.0	168.4	273.1	12.7	368.3	53.8		50.8	.....	.....	.....	.....	.....	.....
in	8	21.75	5.00	10.62	12.00	8.63	12.50	1/2	17.25	2.12	12	2	.....	.....	.....	.....	.....	.....
mm		552.5	127.0	269.7	304.8	219.2	317.5	12.7	438.2	53.8		50.8	.....	.....	.....	.....	.....	.....
in	10	26.50	6.50	12.75	14.75	10.75	16.50	1/2	21.25	2.62	12	2 1/2	.....	.....	.....	.....	.....	.....
mm		673.1	165.1	323.9	374.7	273.1	419.1	12.7	539.8	66.5		63.5	.....	.....	.....	.....	.....	.....
in	12	30.00	7.25	15.00	17.38	12.75	18.25	1/2	24.38	2.88	12	2 3/4	.....	.....	.....	.....	.....	.....
mm		762.0	184.2	381.0	441.5	323.9	463.6	12.7	619.3	73.2		69.9	.....	.....	.....	.....	.....	.....

(1) Bore diameter to be specified by purchaser

(2) Other NPT and SW connections available upon request