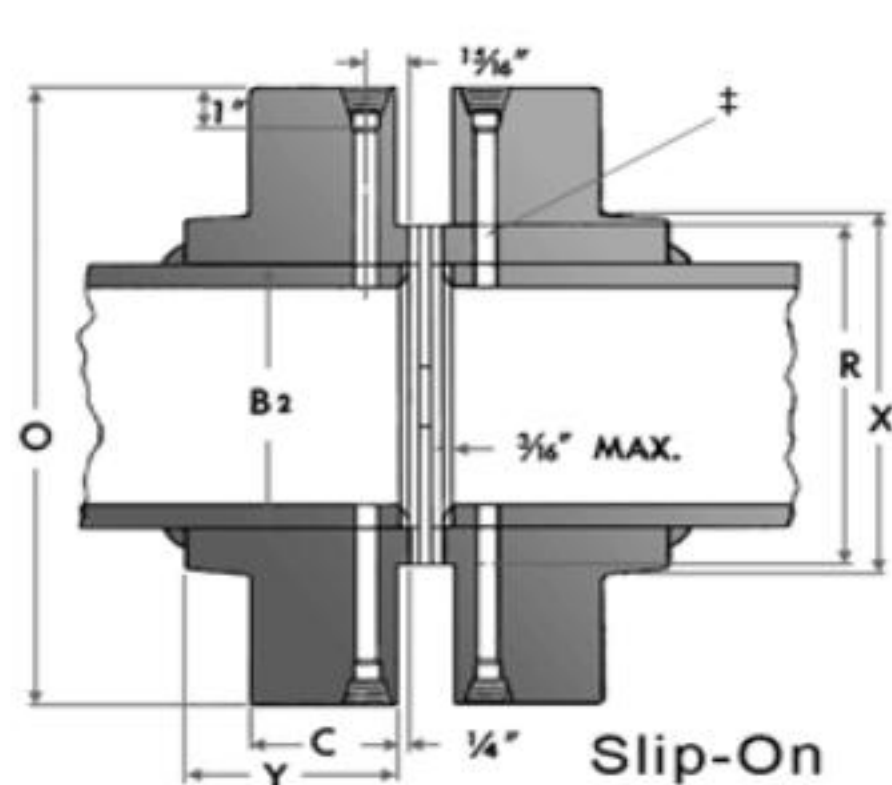
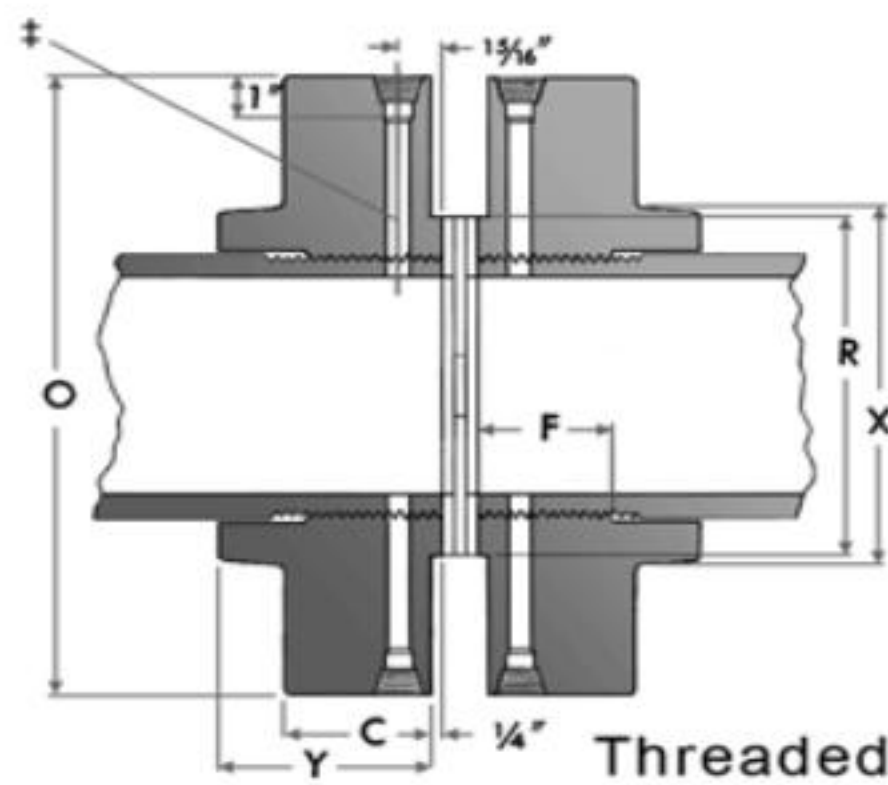
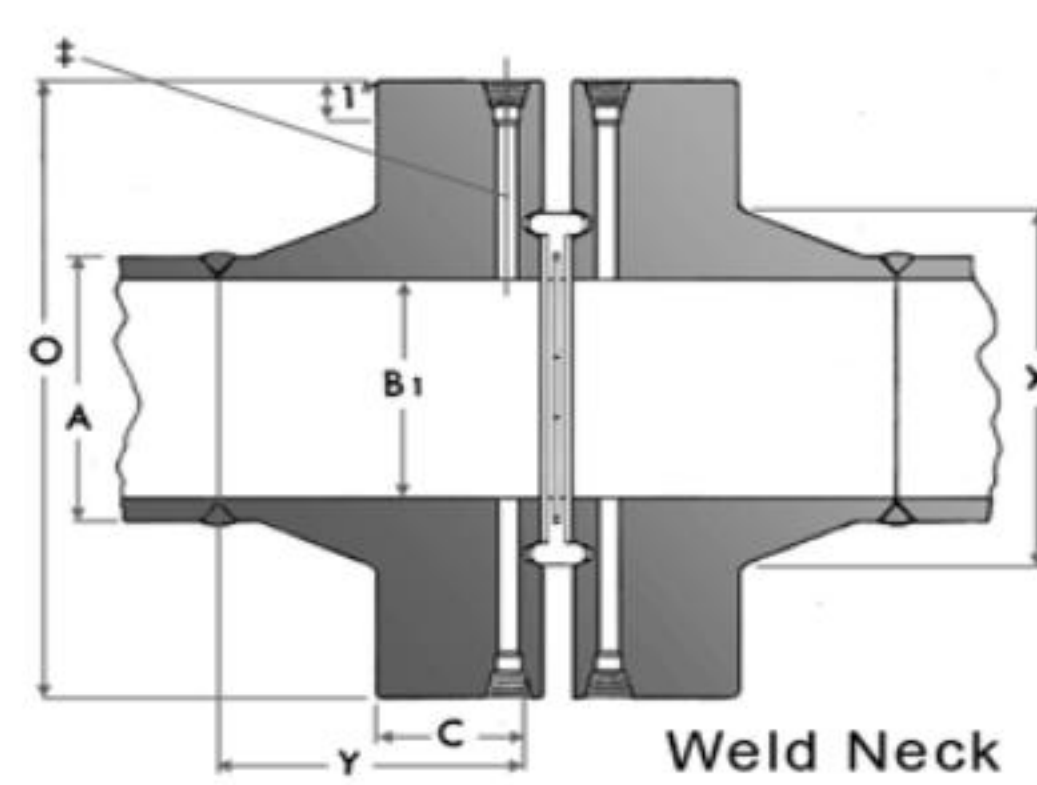




Slip-On



Threaded



Weld Neck

(enlarge)

(enlarge)

(enlarge)

Nominal Size ± NPS	COMMON DIMENSIONS					Bore Slip-On	LENGTH THRU HUB Y				Diam. Hub at Bevel	Face to Hub Counter- bore
	Outside Diameter Flange	O.D of Raised Face	Diameter at Base of Hub	Thickness Minimum C			Welding Neck		Slip-On and Threaded			
				R.F.	R.T.J.		R.F.	R.T.J.	R.F.	R.T.J.		
	O	R	X	R.F.	R.T.J.	B2	R.F.	R.T.J.	R.F.	R.T.J.	A	F
1	5.875	2.000	2.063	1.375	1.250	1.36	3.125	3.00	1.875	1.750	1.32	1.500
1¼	6.250	2.500	2.500	1.375	1.250	1.70	3.125	3.00	1.875	1.750	1.66	1.500
1½	7.000	2.875	2.750	1.375	1.250	1.95	3.375	3.250	1.875	1.750	1.90	1.500
2	8.500	3.625	4.125	1.500	1.500	2.44	4.000	4.000	2.250	2.250	2.38	1.750
2½	9.625	4.125	4.875	1.625	1.625	2.94	4.125	4.125	2.500	2.500	2.88	2.125
3	9.500	5.000	5.000	1.500	1.500	3.57	4.000	4.000	2.125	2.125	3.50	1.875
4	11.500	6.188	6.250	1.750	1.750	4.57	4.500	4.500	2.750	2.750	4.50	2.125
5	13.750	7.313	7.500	2.000	2.000	5.66	5.000	5.000	3.125	3.125	5.56	2.375
6	15.000	8.500	9.250	2.188	2.188	6.72	5.500	5.500	3.375	3.375	6.63	2.500
8	18.500	10.625	11.750	2.500	2.500	8.72	6.375	6.375	4.000	4.000	8.63	2.750
10	21.500	12.750	14.500	2.750	2.750	10.88	7.250	7.250	4.250	4.250	10.75	3.063
12	24.000	15.000	16.500	3.125	3.125	12.88	7.875	7.875	4.625	4.625	12.75	3.250

Nominal Size ± NPS	DRILLING			BOLTING			APPROXIMATE WEIGHT PER UNION (Pounds)			
	Bolt Circle Diameter	Number of Holes	Diameter of holes	Diameter of Bolts	Stud bolt Length †		Welding Neck		Slip-On and Threaded	
					R.F.	R.T.J.	R.F.	R.T.J.	R.F.	R.T.J.
1	4.000	4	1.000	0.875	5.500	5.750	29	28	26	26
1 1/4	4.375	4	1.000	0.875	5.500	5.750	31	31	29	29
1 1/2	4.375	4	1.125	1.000	5.750	6.000	38	40	36	38
2	6.500	8	1.000	0.875	5.750	6.250	63	72	63	71
2 1/2	7.500	8	1.125	1.000	6.250	6.750	90	100	90	100
3	7.500	8	1.000	0.875	5.500	6.250	75	84	65	74
4	9.250	8	1.250	1.125	7.000	7.250	125	140	130	145
5	11.000	8	1.375	1.250	7.500	8.000	205	225	200	215
6	12.500	12	1.250	1.125	7.625	8.250	260	290	260	285
8	15.500	12	1.500	1.375	9.000	9.250	420	450	410	435
10	18.500	16	1.500	1.375	9.250	9.750	610	660	580	620
12	21.000	20	1.500	1.375	10.000	10.750	760	820	760	820

All Dimensions are in inches. [Click here to switch to Metric.](#)

B1 Weld Neck bore to be specified by purchaser.

† Lengths include thickness of two nuts but not height of crown.

‡ 3/4" Pipe Taps • 1/2" Drill for sizes 4" and over • 3/8" Drill for size 3" • 1/4" Drill for sizes 2 1/2" and under.

± Available in any required larger size.