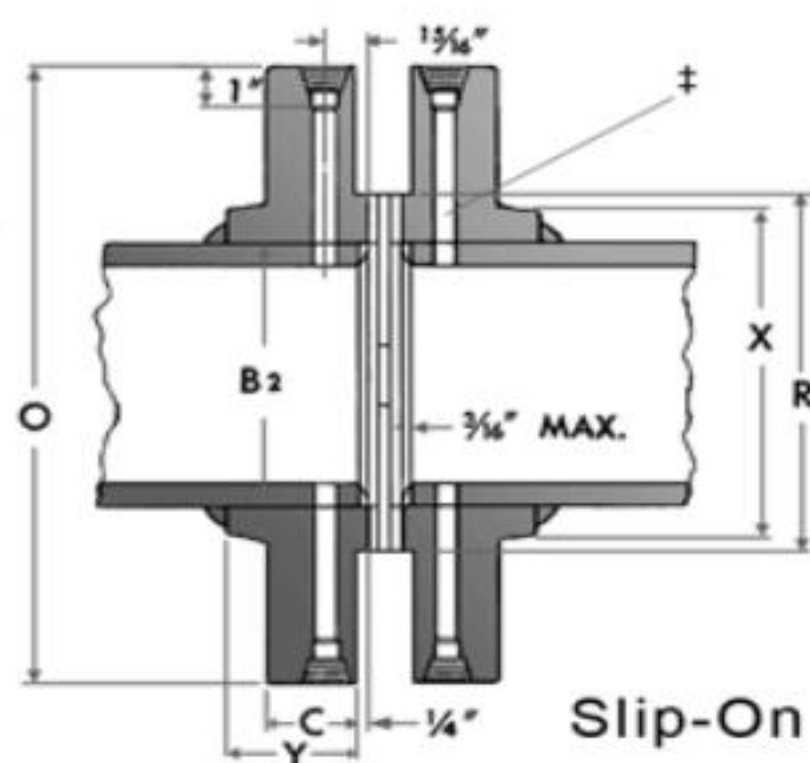
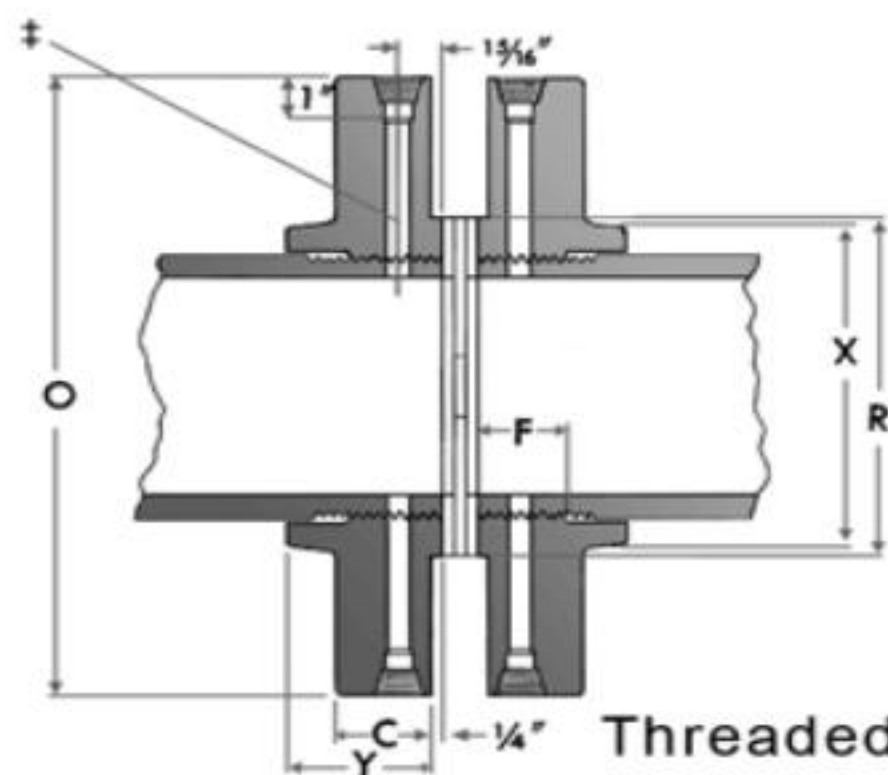
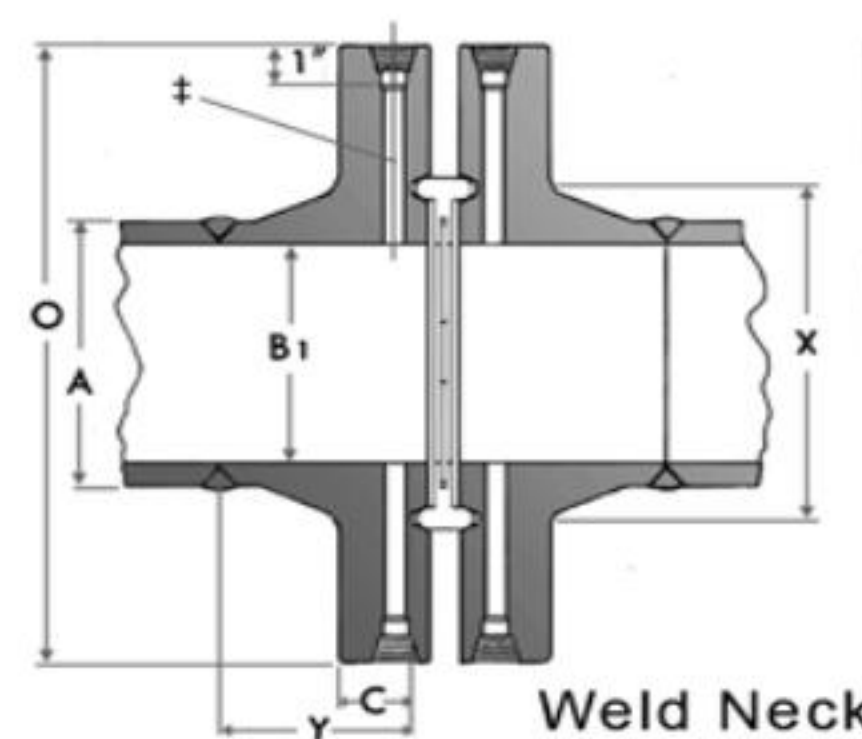




Slip-On



Threaded



Weld Neck

(enlarge)

(enlarge)

(enlarge)

Nominal Size ± NPS	COMMON DIMENSIONS					Bore Slip-On B2	LENGTH THRU HUB Y				Diam. Hub at Bevel A	Face to Hub Counter- bore F
	Outside Diameter Flange O	O.D of Raised Face R	Diameter at Base of Hub X	Thickness Minimum C			Welding Neck		Slip-On and Threaded			
				R.F.	R.T.J.		R.F.	R.T.J.	R.F.	R.T.J.		
1	4.875	2.000	2.125	1.500	1.250	1.36	3.250	3.000	1.875	1.625	1.32	1.250
1¼	5.250	2.500	2.500	1.500	1.250	1.70	3.313	3.063	1.813	1.563	1.66	1.250
1½	6.125	2.875	2.750	1.500	1.250	1.95	3.375	1.125	1.875	1.625	1.90	1.250
2	6.500	3.625	3.313	1.500	1.250	2.44	3.375	3.125	1.938	1.688	2.38	1.500
2½	7.500	4.125	3.938	1.500	1.250	2.94	3.500	3.250	2.000	1.750	2.88	1.750
3	8.250	5.000	4.625	1.500	1.250	3.57	3.500	3.250	2.063	1.813	3.50	1.750
4	10.000	6.188	5.750	1.375	1.375	4.57	3.500	3.500	2.000	2.000	4.50	1.688
5	11.000	7.313	7.000	1.500	1.500	5.66	4.000	4.000	2.125	2.125	5.56	1.938
6	12.500	8.500	8.125	1.625	1.625	6.72	4.063	4.063	2.250	2.250	6.63	2.063
8	15.000	10.625	10.250	1.875	1.875	8.72	4.625	4.625	2.688	2.688	8.63	2.250
10	17.500	12.750	12.625	2.125	2.125	10.88	4.875	4.875	2.875	2.875	10.75	2.438
12	20.500	15.000	14.750	2.250	2.250	12.88	5.375	5.375	3.125	3.125	12.75	2.625

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	3.500	4	.688	.625	4.000	4.750	18	20	15	17
1¼	3.875	4	.688	.625	4.000	4.750	21	23	17	20
1½	4.500	4	.813	.750	4.250	5.000	28	38	24	28
2	5.000	8	.688	.625	4.000	4.750	33	36	27	31
2½	5.875	8	.813	.750	4.250	5.000	43	46	36	42
3	6.625	8	.813	.750	4.250	5.000	48	52	42	48
4	7.875	8	1.000	.875	5.500	6.000	83	92	65	74
5	9.250	8	1.000	.875	5.750	6.250	99	110	75	85
6	10.625	12	1.000	.875	6.250	6.500	135	145	110	120
8	13.000	12	1.125	1.000	6.750	7.250	205	225	165	180
10	15.250	16	1.250	1.125	7.625	8.000	300	325	235	255
12	17.750	16	1.375	1.250	8.000	8.500	420	445	330	355

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.

± 1/2" 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.