

Buttweld End Dimensions

Standard Dimensions

Conforming To Requirements ANSI B16.25

Nominal Pipe Size	Pipe Schedule Number	[A] Nominal Pipe O.D.	Valve Outside Diameter	[B] Inside Diameter Of Pipe	[C] Bore Of Wlding Lip	Wall Thickness Of Pipe	Pipe Schedule Number	Nominal Pipe Size
2½"	40	2.875	2 ^{7/8}	2.469	2.479	0.203	40	2½"
	80			2.323	2.351	0.276	80	
	160			2.125	2.178	0.375	160	
	XXS			1.771	1.868	0.552	XXS	
3"	40	3.500	3 ^{19/32}	3.068	3.081	0.216	40	3"
	80			2.900	2.934	0.300	80	
	160			2.624	2.692	0.438	160	
	XXS			2.300	2.409	0.600	XXS	
4"	40	4.500	4 ^{5/8}	4.026	4.044	0.237	40	4"
	80			3.826	3.869	0.337	80	
	120			3.624	3.692	0.438	120	
	160			3.438	3.530	0.531	160	
	XXS			3.152	3.279	0.674	XXS	
5"	40	5.563	5 ^{11/16}	5.047	5.070	0.258	40	5"
	80			4.813	4.866	0.375	80	
	120			4.563	4.647	0.500	120	
	160			4.313	4.428	0.625	160	
	XXS			4.063	4.209	0.750	XXS	
6"	40	6.625	6 ^{25/32}	6.065	6.097	0.280	40	6"
	80			5.761	5.825	0.432	80	
	120			5.501	5.600	0.562	120	
	160			5.189	5.327	0.719	160	
	XXS			4.897	5.072	0.864	XXS	
8"	40	8.625	8 ^{25/32}	7.981	8.020	0.322	40	8"
	60			7.813	7.873	0.406	60	
	80			7.625	7.709	0.500	80	
	100			7.439	7.546	0.594	100	
	120			7.189	7.327	0.719	120	
	140			7.001	7.163	0.812	140	
	XXS			6.875	7.053	0.875	XXS	
	160			6.813	6.998	0.906	160	
10"	40	10.750	10 ^{15/16}	10.020	10.070	0.365	40	10"
	60			9.750	9.834	0.500	60	
	80			9.564	9.671	0.594	80	
	100			9.314	9.452	0.719	100	
	120			9.064	9.234	0.844	120	

	140			8.750	8.959	1.000	140	
	160			8.500	8.740	1.125	160	
	STD.			12.00	12.053	0.375	STD.	
	40			11.938	11.999	0.406	40	
	XS			11.750	11.834	0.500	XS	
	60			11.626	11.725	0.562	60	
12"	80	12.750	12 ^{31/32}	11.376	11.507	0.688	80	12"
	100			11.064	11.234	0.844	100	
	120			10.750	10.959	1.000	120	
	140			10.500	10.740	1.125	140	
	160			10.125	10.413	1.312	160	
	STD.			13.250	13.303	0.375	STD.	
	40			13.124	13.192	0.438	40	
	XS			13.000	13.064	0.500	XS	
	60			12.814	12.921	0.594	60	
14"	80	14.000	14 ^{1/4}	12.500	12.646	0.750	80	14"
	100			12.126	12.319	0.938	100	
	120			11.814	12.046	1.094	120	
	140			11.500	11.771	1.250	140	
	160			11.188	11.498	1.406	160	
	STD.			15.250	15.303	0.375	STD.	
	40			15.000	15.084	0.500	40	
	60			14.688	14.811	0.656	60	
	80			14.314	14.484	0.844	80	
16"	100	16.000	16 ^{1/4}	13.938	14.155	1.031	100	16"
	120			13.564	13.827	1.219	120	
	140			13.124	13.442	1.438	140	
	160			12.814	13.171	1.594	160	
	40			16.876	16.975	0.562	40	
	60			16.500	16.646	0.750	60	
	80			16.126	16.319	0.938	80	
18"	100	18.000	18 ^{9/32}	15.688	15.936	1.156	100	18"
	120			15.250	15.553	1.375	120	
	140			14.876	15.225	1.562	140	
	160			14.438	14.842	1.781	160	
	40			18.814	18.921	0.594	40	
	60			18.376	18.538	0.812	60	
	80			17.938	18.155	0.031	80	
20"	100	20.000	20 ^{5/16}	17.438	17.717	1.281	100	20"
	120			17.000	17.334	1.500	120	
	140			16.500	16.896	1.750	140	
	160			16.064	16.515	1.969	160	
	30			22.876	22.975	0.562	30	
24"	40	24.000	24 ^{3/8}	22.626	22.757	0.688	40	24"
	60			22.064	22.265	0.969	60	

80	21.564	21.827	1.219	80
100	20.938	21.280	1.531	100
120	20.378	20.788	1.812	120
140	19.876	20.350	2.062	140
160	19.314	19.859	2.344	160

All Dimensions are given in Inches

STD. = Standard Wall Thickness.

XS = Extra Strong Wall Thickness.

XXS = Double Extra Strong Wall Thickness.