

Pipe Bore Schedule for DSI® Pressure Seal Valves

CAST & FORGED STEEL

Pipe Size (in)	Pipe Sched. No.	Valve Pressure Class				Nom. Pipe O.D.	Valve O.D.	Pipe I.D.	Weld Lip Bore	Pipe Wall Thick.
		600	900	1500	2500					
2 1/2"	40	X	X	X	X	2.875	27/8	2.469	2.479	0.203
	80	X	X	X	X			2.323	2.351	0.276
	160		X	X	X			2.125	2.178	0.375
	XXS			X	X			1.771	1.868	0.552
3"	40	X	X	X	X	3.500	319/32	3.068	3.081	0.216
	80	X	X	X	X			2.900	2.934	0.300
	160		X	X	X			2.624	2.692	0.438
	XXS			X	X			2.300	2.409	0.600
4"	40	X	X	X	X	4.500	45/8	4.026	4.044	0.237
	80	X	X	X	X			3.826	3.869	0.337
	120	X	X	X	X			3.624	3.692	0.438
	160		X	X	X			3.438	3.530	0.531
6"	40	X	X	X	X	6.625	625/32	6.065	6.094	0.280
	80	X	X	X	X			5.761	5.828	0.432
	120	X	X	X	X			5.501	5.600	0.562
	160	X	X	X	X			5.187	5.326	0.719
8"	40	X	X	X	X	8.625	825/32	7.981	8.020	0.322
	60	X	X	X	X			7.813	7.873	0.406
	80	X	X	X	X			7.625	7.709	0.500
	100	X	X	X	X			7.437	7.544	0.594
10"	120	X	X	X	X	10.750	1015/16	7.187	7.326	0.719
	140		X	X	X			7.001	7.163	0.812
	XXS			X	X			6.875	7.053	0.875
	160			X	X			6.813	6.998	0.906
12"	40	X	X	X	X	12.750	1231/32	10.020	10.070	0.365
	60	X	X	X	X			9.750	9.834	0.500
	80	X	X	X	X			9.564	9.670	0.594
	100	X	X	X	X			9.312	9.451	0.719
14"	120	X	X	X	X	14.000	141/4	9.062	9.232	0.844
	140		X	X	X			8.750	8.959	1.000
	XXS			X	X			8.500	8.740	1.125
	160			X	X			8.250	8.500	1.250

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		600	900	1500	2500					
14"	STD	X	X	X	X	14.000	141/4	13.250	13.303	0.375
	40	X	X	X	X			13.124	13.192	0.438
	XS	X	X	X	X			13.000	13.084	0.500
	60	X	X	X	X			12.812	12.920	0.594
16"	80	X	X	X	X	16.000	161/4	12.500	12.646	0.750
	100	X	X	X	X			12.124	12.318	0.938
	120	X	X	X	X			11.812	12.044	1.094
	140		X	X	X			11.500	11.771	1.250
18"	160			X	X	18.000	189/32	11.188	11.498	1.406
	STD	X	X	X	X			15.250	15.303	0.375
	40	X	X	X	X			15.000	15.084	0.500
	60	X	X	X	X			14.688	14.811	0.656
20"	80	X	X	X	X	20.000	205/16	14.312	14.482	0.844
	100	X	X	X	X			13.938	14.155	1.031
	120	X	X	X	X			13.562	13.826	1.219
	140			X	X			13.124	13.442	1.438
24"	160			X	X	24.000	243/8	12.812	13.170	1.594
	STD	X	X	X	X			17.250	17.303	0.375
	XS	X	X	X	X			17.000	17.084	0.500
	40	X	X	X	X			16.876	16.975	0.562
28"	60	X	X	X	X	28.000	281/2	16.500	16.646	0.750
	80	X	X	X	X			16.124	16.318	0.938
	100	X	X	X	X			15.688	15.936	1.156
	120	X	X	X	X			15.250	15.553	1.375
30"	140		X	X	X	30.000	301/2	14.876	15.225	1.562
	160			X	X			14.438	14.842	1.781
	STD	X	X	X	X			19.250	19.303	0.375
	XS	X	X	X	X			19.000	19.084	0.500
36"	40	X	X	X	X	36.000	361/2	18.812	18.920	0.594
	60	X	X	X	X			18.376	18.538	0.812
	80	X	X	X	X			17.938	18.155	1.031
	100		X	X	X			17.438	17.717	1.281
42"	120		X	X	X	42.000	421/2	17.000	17.334	1.500
	140			X	X			16.500	16.896	1.750
	160			X	X			16.062	16.513	1.969
	STD	X	X	X	X			23.250	23.303	0.375
48"	XS	X	X	X	X	48.000	481/2	23.000	23.084	0.500
	30	X	X	X	X			22.876	22.975	0.562
	40	X	X	X	X			22.624	22.755	0.688
	60	X	X	X	X			22.062	22.263	0.969
54"	80	X	X	X	X	54.000	541/2	21.562	21.826	1.219
	100	X	X	X	X			20.938	21.280	1.531
	120	X	X	X	X			20.376	20.788	1.812
	140		X	X	X			19.876	20.350	2.062
60"	160			X	X	60.000	601/2	19.312	19.857	2.344
	STD	X	X	X	X			26.250	26.303	0.375

The ends of the valve bodies do not contain enough extra material to match the wall thickness of all pipe schedules. The 'X' indicates the schedules which can be supplied for each size and pressure class of valve bodies.