

The bursting pressure below is based on [Barlow's formula](#). The working pressure is based on factor 8. Dimensions are based on [ASME/ANSI B36.10/19](#).

Standard Wrought Steel Pipes - STD - Schedule 40

Pipe Dimension (inches)	Standard - STD - Sch. 40	
	Bursting Pressure (psi)	Working Pressure (psi)
1/2	10380	1300
3/4	8610	1080
1	8090	1010
1 1/4	6745	840
1 1/2	6100	760
2	5185	650
2 1/2	5650	710
3	4940	620
3 1/2	5610	700
4	5270	660
5	4630	580
6	4220	530
7	3940	490
8	3720	470
9	3540	445

10	3380	420
12	2930	370

- $1 \text{ psi (lb/in}^2\text{)} = 6,894.8 \text{ Pa (N/m}^2\text{)} = 6.895 \times 10^{-3} \text{ N/mm}^2 = 6.895 \times 10^{-2} \text{ bar} = 27.71 \text{ in H}_2\text{O at } 62^\circ\text{F (16.7}^\circ\text{C)} = 703.1 \text{ mm H}_2\text{O at } 62^\circ\text{F (16.7}^\circ\text{C)} = 2.0416 \text{ in mercury at } 62^\circ\text{F (16.7}^\circ\text{C)} = 51.8 \text{ mm mercury at } 62^\circ\text{F (16.7}^\circ\text{C)} = 703.6 \text{ kg/m}^2 = 0.06895 \text{ atm} = 2.307 \text{ Ft. H}_2\text{O}$

Extra Strong Wrought Steel Pipes - XS - Schedule 80

Pipe Dimension (inches)	Extra Strong - XS - Schedule 80	
	Bursting Pressure (psi)	Working Pressure (psi)
1/2	14000	1750
3/4	11730	1470
1	10890	1360
1 1/4	9200	1150
1 1/2	8420	1050
2	7340	920
2 1/2	7680	955
3	6860	860
3 1/2	7950	990
4	7480	940
5	6740	840

6	6510	810
7	6540	820
8	5770	720
9	5185	650
10	4645	580
12	3910	490

Double Extra Strong Wrought Steel Pipes - XXS

Pipe Dimension (inches)	Double Extra Strong - XXS	
	Bursting Pressure (psi)	Working Pressure (psi)
1/2	28000	3500
3/4	23460	2930
1	21780	2720
1 1/4	18400	2300
1 1/2	16840	2110
2	14680	1840
2 1/2	15355	1920
3	13710	1710
3 1/2	15900	1990

4	14965	1870
5	13475	1690
6	13035	1630
7	11465	1430
8	10140	1270