Hydraulic Pipe Table

Physical Dimensions and Pressure Ratings

Schedule 40 (Standard Weight) Pipe

Pipe Size	O.D.	I.D.	Wall Thickness	Inside Area	Working PSI*	Burst PSI
1/8	.405	.269	.068	.0568	2238	13,432
1/4	.540	.364	.088	.1040	2173	13,037
3/8	.675	.493	.091	.1908	1797	10,785
1/2	.840	.622	.109	.3037	1730	10,380
3/4	1.050	.824	.113	.5330	1435	8609
1	1.315	1.049	.133	.8649	1348	8091
1¼	1.660	1.380	.140	1.495	1124	6747
1½	1.900	1.610	.145	2.035	1017	6105
2	2.375	2.067	.154	3.354	864	5187
2½	2.875	2.469	.203	4.785	941	5648
3	3.500	3.068	.216	7.390	823	4937

Schedule 80 (Extra Strong Weight) Pipe

Pipe Size	O.D.	I.D.	Wall Thickness	Inside Area	Working PSI*	Burst PSI
1/8	.405	.215	.095	.0363	3128	18,765
1/4	.540	.302	.119	.0716	2938	17,630
3/8	.675	.423	.126	.1405	2489	14,933
1/2	.840	.546	.147	.2340	2333	14,000
3/4	1.050	.742	.154	.4320	1955	11,733
1	1.315	.957	.179	.7190	1815	10,890
1¼	1.660	1.278	.191	1.282	1534	9205
1½	1.900	1.500	.200	1.766	1403	8421
2	2.375	1.939	.218	2.951	1224	7343
2½	2.875	2.323	.276	4.236	1280	7680
3	3.500	2.900	.300	6.600	1143	6857

Schedule 160 Pipe

Pipe Size	O.D.	I.D.	Wall Thickness	Inside Area	Working PSI*	Burst PSI
1/2	.840	.464	.188	.1690	2984	17,904
3/4	1.050	.612	.219	.2940	2781	16,686
1	1.315	.815	.250	.5214	2535	15,200
1¼	1.660	1.160	.250	1.056	2008	12,048
1½	1.900	1.338	.281	1.405	1972	11,831
2	2.375	1.687	.344	2.234	1931	11,587
2½	2.875	2.125	.375	3.545	1739	10,435
3	3.500	2.624	.438	5.405	1668	10,011

*Working PSI at a safety factor of 6:1.