



Steel Pipe Specifications & Working Pressures (PN/Bar)
No Dig Israel Technical Hub

Size (in)	DN	OD (mm)	Grade B (WT/Bar)	Sch 10 (WT/Bar)	STD (WT/Bar)	Sch 40 (WT/Bar)	Sch 80 (WT/Bar)
1/2"	15	21.3	2.65 / 16	2.11 / 273	2.77 / 359	2.77 / 359	3.73 / 483
3/4"	20	26.7	2.65 / 16	2.11 / 218	2.87 / 297	2.87 / 297	3.91 / 404
1"	25	33.4	3.25 / 16	2.77 / 229	3.38 / 279	3.38 / 279	4.55 / 376
1 1/4"	32	42.2	3.25 / 16	2.77 / 181	3.56 / 233	3.56 / 233	4.85 / 317
1 1/2"	40	48.3	3.25 / 16	2.77 / 158	3.68 / 210	3.68 / 210	5.08 / 290
2"	50	60.3	3.65 / 16	2.77 / 127	3.91 / 179	3.91 / 179	5.54 / 254
2 1/2"	65	73.0	3.65 / 16	3.05 / 115	5.16 / 195	5.16 / 195	7.01 / 265
3"	80	88.9	4.05 / 16	3.05 / 95	5.49 / 170	5.49 / 170	7.62 / 237
4"	100	114.3	4.5 / 16	3.05 / 74	6.02 / 145	6.02 / 145	8.56 / 207
5"	125	141.3	4.85 / 16	3.4 / 66	6.55 / 128	6.55 / 128	9.53 / 186
6"	150	168.3	4.85 / 16	3.4 / 56	7.11 / 117	7.11 / 117	10.97 / 180
8"	200	219.1	- / -	3.76 / 47	8.18 / 103	8.18 / 103	12.7 / 160
10"	250	273.1	- / -	4.19 / 42	9.27 / 94	9.27 / 94	15.09 / 153
12"	300	323.9	- / -	4.57 / 39	9.53 / 81	9.53 / 81	17.48 / 149
14"	350	355.6	- / -	6.35 / 49	9.53 / 74	9.53 / 74	19.05 / 148
16"	400	406.4	- / -	6.35 / 43	9.53 / 65	9.53 / 65	21.44 / 146
18"	450	457.2	- / -	6.35 / 38	9.53 / 58	9.53 / 58	23.83 / 144
20"	500	508.0	- / -	6.35 / 34	9.53 / 52	9.53 / 52	26.19 / 142
24"	600	609.6	- / -	6.35 / 29	9.53 / 43	9.53 / 43	30.96 / 140

* WT = Wall Thickness (mm) | Bar = Max Working Pressure (Bar) at room temperature.
* Grade B: Based on Israeli Standard IS 103 (Medium), Nominal Pressure PN16.
* Schedules & STD: Based on ASME B36.10M. Working Pressure calculated per Barlow's formula.
* Assumptions: ASTM A53 Grade B Seamless, Allowable Stress 20,000 psi (138 MPa).