

Schedule 60

- What is Schedule 60
- Size of Schedule 60
- Pressure of Schedule 60
- Application of Schedule 60



•What is Schedule 60

Schedule 60 steel pipe is abbreviated as sch60. schedule 60 steel pipe is an industrially used steel pipe specification that belongs to one of the wall thickness grades in the American Standard (ASME B36.10/B36.19). Sch60 pipe wall thickness refers to the wall thickness relative to the diameter of the pipe. This pipe is available in sizes ranging from 1/8 inch to 32 inches. It is available in a very wide range of sizes to provide a variety of options for projects. This pipe is available in carbon steel, stainless steel, and alloy steel to meet the needs of different applications.

•Size of Schedule 60

Nominal size [inches]	schedule 60 OD [in inches]	schedule 60 OD [in mm]	schedule 60 thickness [in inches]	schedule 60 Wall thickness [in mm]	Weight [lb/ft]	Weight [kg/m]
1/4	0.540	13.7	0.088	2.24	0.42	0.84
1/2	0.840	21.3	0.109	2.77	0.85	1.27
3/4	1.050	26.7	0.113	2.87	1.13	1.69
1	1.315	33.4	0.133	3.38	1.68	2.50
1 1/4	1.660	42.2	0.140	3.56	2.27	3.39
1 1/2	1.900	48.3	0.145	3.68	2.72	4.05

2	2.375	60.3	0.154	3.91	3.65	5.44
2 1/2	2.875	73.0	0.203	5.16	5.79	8.63
3	3.500	88.9	0.216	5.49	7.58	11.29
3 1/2	4.000	101.6	0.226	5.74	9.11	13.57
4	4.500	114.3	0.237	6.02	10.79	16.07
5	5.563	141.3	0.258	6.55	14.62	21.77
6	6.625	168.3	0.280	7.11	18.97	28.26
8	8.625	219.1	0.322	8.18	28.55	42.55
10	10.750	273.0	0.365	9.27	40.48	60.31
12	12.750	323.8	0.406	10.31	53.52	79.73
14	14	355.6	0.375	11.13	54.57	94.55
16	16	406.4	0.500	12.70	82.77	123.30
18	18	457.0	0.562	14.27	104.67	155.80
20	20	508.0	0.594	15.09	123.11	183.42
24	24	610.0	0.688	17.48	171.29	255.41

•Pressure of Schedule 60

Maximum Allowable Pressure(psi)(kPa)		
NPS (in)	Outside Diameter (in) (mm)	Schedule 60
8	8.625	2307
	219	15907
10	10.75	2279
	273	15714
12	12.75	2160
	324	14893
14	14	2079
	356	14335
16	16	2009
	406	13852
18	18	2042
	457	14080
20	20	1989
	508	13714

22	22	1949
	559	13438
24	24	1978
	610	13638

●Application of Schedule 60

- Oil & Gas: oil pipelines are most commonly used for this type of pipe. The pressure of oil pipeline is high, ordinary pipe is easy to burst, the thickness of schedule 60 is just right.
- Chemical industry: chemical plant pipelines should be corrosion resistant. schedule 60 pipe can transport sulfuric acid, hydrochloric acid and these strong acids.
- Construction industry: schedule 60 steel pipe is used for structural columns in super high-rise buildings.
- Ocean Ships Industry: for example, ballast water pipes for ships. Seawater is highly corrosive and the pipes need to withstand water pressure. Marine pipes must be certified by classification societies, and stainless steel pipes from schedule 60 fulfill this need.