



800-536-9933

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Schedule 40 Pipe Data

Nominal Dia (in)	Actual ID (in)	Actual OD (in)	Wt / Foot	Flange Dia (in)	Flange Thickness (in)	Bolt Cir Dia (in)	No of Bolts	Bolt Dia (in)	Bolt Length (in)
1/8	0.269	0.405	0.250						
1/4	0.364	0.540	0.430						
3/8	0.493	0.675	0.570						
1/2	0.622	0.840	0.860						
3/4	0.824	1.050	1.140						
1	1.049	1.315	1.680	4.250	0.438	3.125	4	0.500	1.750
1 1/4	1.380	1.660	2.280	4.625	0.500	3.500	4	0.500	2.000
1 1/2	1.610	1.900	2.720	5.000	0.563	3.875	4	0.500	2.000
2	2.067	2.375	3.660	6.000	0.625	4.750	4	0.625	2.250
2 1/2	2.469	2.875	5.800	7.000	0.688	5.500	4	0.625	2.500
3	3.068	3.500	7.580	7.500	0.750	6.000	4	0.625	2.500
3 1/2	3.548	4.000	9.110	8.500	0.813	7.000	8	0.625	2.750
4	4.029	4.500	10.800	9.000	0.938	7.500	8	0.625	3.000
5	5.047	5.563	14.700	10.000	0.938	8.500	8	0.750	3.000
6	6.065	6.625	19.000	11.000	1.000	9.500	8	0.750	3.250
8	7.981	8.625	28.600	13.500	1.125	11.750	8	0.750	3.500
10	10.020	10.750	40.500	16.000	1.188	14.250	12	0.875	3.750
12	11.938	12.750	53.600	19.000	1.250	17.000	12	0.875	3.750
14	13.126	14.000	63.300	21.000	1.375	18.750	12	1.000	4.250
16	15.000	16.000	82.800	23.500	1.438	21.250	16	1.000	4.500
18	16.876	18.000	105.000	25.000	1.563	22.750	16	1.125	4.750
20	18.814	20.000	123.000	27.500	1.688	25.000	20	1.125	5.000
24	22.626	24.000	171.000	32.000	1.875	29.500	20	1.250	5.500

Notes: Data is based on Schedule 40 Steel Pipe and 125# Flanges  
Bolt length is based on (2) washers, (1) lock washer and (1) nut

Nominal Dia (in)	Threads per inch	Tap Drill or Bore Size (in)	Length of Threads	Engagement by Hand	Engagement Tight
1/8	27.0	0.3438	0.260	0.180	0.2500
1/4	18.0	0.4375	0.400	0.200	0.3750
3/8	18.0	0.5781	0.410	0.240	0.3750
1/2	14.0	0.7031	0.530	0.320	0.5000
3/4	14.0	0.9063	0.550	0.340	0.5625
1	11.5	1.1406	0.680	0.400	0.6875
1 1/4	11.5	1.5000	0.710	0.420	0.6875
1 1/2	11.5	1.7188	0.720	0.420	0.6785
2	11.5	2.1875	0.760	0.440	0.7500
2 1/2	8.0	2.6875	1.140	0.680	0.9375
3	8.0	3.3125	1.200	0.770	1.0000
3 1/2	8.0	3.8125	1.250	0.820	1.0625
4	8.0	4.3125	1.300	0.840	1.1250
5	8.0	5.3750	1.410	0.940	1.2500
6	8.0	6.4375	1.510	0.960	1.3125
8	8.0	8.4375	1.710	1.060	1.4375
10	8.0	10.5625	1.930	1.210	1.6250
12	8.0	12.5625	2.130	1.360	1.7500
14	8.0	13.8125			
16	8.0	15.8125			
18	8.0	17.8125			
20	8.0	19.8125			
24	8.0	23.8125			