

A GUIDE

TO PIPE SIZES



BOYD
METALS



To identify the dimensions and strengths of different pipe, it is common to use 'schedule' terminology taken from the ANSI pipe schedule chart. The pipe schedule chart on the following page provides specific details about the most common types of pipe that we have available including:

- Schedule 5
- Schedule 10
- Schedule 20
- Schedule 30
- Schedule 40
- Standard Weight (STD)
- Schedule 60
- Extra Strong (XH)
- Schedule 80
- Schedule 100
- Schedule 120
- Schedule 140
- Schedule 160
- Double Extra Strong (XXH)

PIPE

Continuous Butt weld

This is a general purpose pipe for use in steam, gas and air lines. It is not intended for close coiling, bending or high temperature service. No minimum mechanical properties are specified for this product, but it is typically stocked with a standard black lacquer coating. Continuous butt weld meets ASTM A-53 Type F Specifications (which has replaced the obsolete ASTM A-120 Specifications.)

Electric Resistance Welded (ERW)

This pipe is suitable for welding, coiling, bending, flaring and flanging. It is pressure tested and is typically stocked with a standard black lacquer coating with plain beveled edges. ERW meets ASTM A-53 Gr. B Type E Specifications.

Seamless Pipe

This carbon steel pipe is lower in cost than its butt weld and ERW counterparts. It is most applicable where precise dimensions and high-pressure requirements are of utmost importance. It also meets ASTM A-519 specifications.

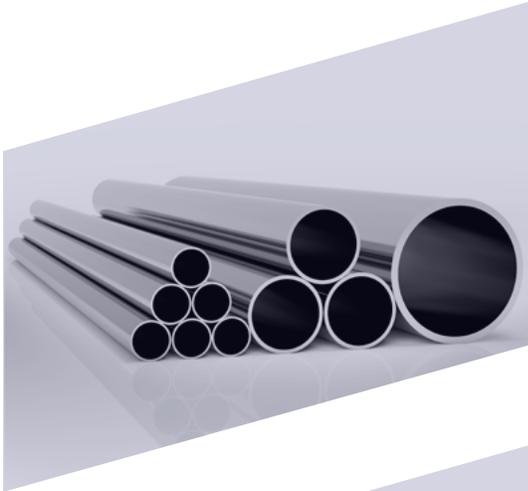
ANSI Pipe Schedules



Blue figures indicate wall thickness in inches

Grey figures indicate weight per foot in pounds

Pipe Size	O.D.	5	10	20	30	STD	40	60	XH	80	100	120	140	160	XXH
1/8	.405	.035 .138	.049 .186			.068 .245	.068 .245		.095 .315	.095 .315					
1/4	.54	.049 .257	.065 .33			.088 .425	.088 .425		.119 .535	.119 .535					
3/8	.675	.049 .424	.065 .424			.091 .568	.091 .568		.126 .739	.126 .739					
1/2	.84	.065 .538	.083 .671			.109 .851	.109 .851		.147 1.09	.147 1.09					
3/4	1.05	.065 .683	.083 .857			.113 1.13	.113 1.13		.154 1.47	.154 1.47					
1	1.315	.065 .087	.109 1.40			.133 1.68	.133 1.68		.179 2.17	.179 2.17				.250 2.84	.358 3.66
1 1/4	1.66	.065 1.11	.109 1.81			.140 2.27	.140 2.27		.191 3	.191 3				.250 3.77	.382 5.22
1 1/2	1.9	.065 1.28	.109 2.09			.145 2.72	.145 2.72		.200 3.63	.200 3.63				.281 4.86	.400 .641
2	2.375	.065 1.61	.109 2.64			.154 3.66	.154 3.66		.218 5.03	.218 5.03				.344 7.47	.436 9.04
2 1/2	2.875	.083 2.48	.120 3.53			.203 5.80	.203 5.80		.276 7.67	.276 7.67				.375 10.02	.552 13.71
3	3.5	.083 3.03	.120 4.34			.216 7.58	.216 7.58		.300 10.26	.300 10.26				.438 14.34	.600 18.60
3 1/2	4	.083 3.48	.120 4.98			.226 9.12	.226 9.12		.318 12.52	.318 12.52					.636 22.87
4	4.5	.083 3.92	.120 5.62			.237 10.80	.237 10.80	.281 12.67	.337 15	.337 15		.437 19.02		.531 22.53	.674 27.57
4 1/2	5					.247 12.55			.355 17.63						.710 32.56
5	5.563	.109 6.36	.134 7.77			.258 14.63	.258 14.63		.375 20.80	.375 20.80		.500 27.06		.625 32.99	.750 38.59
6	6.625	.109 7.59	.134 9.29			.280 18.99	.280 18.99		.432 28.60	.432 28.60		.562 36.43		.719 45.39	.864 53.21
8	8.625	.109 9.92	.148 13.40	.250 22.38	.277 24.72	.322 28.58	.322 28.58	.406 35.67	.500 43.43	.500 43.43	.593 50.92	.718 60.69	.812 67.82	.906 74.76	.875 72.49
10	10.75	.134 15.21	.165 18.65	.250 28.06	.307 34.27	.365 40.52	.365 40.52	.500 54.79	.500 54.79	.594 64.49	.719 77.10	.844 89.38	1.00 104.23	1.13 115.75	1.00 104.23
12	12.75	.165 22.20	.180 24.16	.250 33.41	.330 43.81	.375 49.61	.406 53.57	.562 73.22	.500 65.48	.688 88.71	.843 107.30	1.00 125.61	1.125 139.81	1.31 160.42	1.00 125.61
14	14		.250 36.71	.312 45.65	.375 54.62	.375 54.62	.438 63.50	.594 85.13	.500 72.16	.750 106.23	.937 130.85	1.09 150.81	1.25 170.37	1.41 189.29	
16	16		.250 42.05	.312 52.32	.375 62.64	.375 62.64	.500 82.85	.656 107.60	.500 82.85	.844 136.74	1.031 164.98	1.22 192.61	1.44 223.85	1.59 245.48	
18	18		.250 47.39	.312 58.99	.438 82.23	.375 70.65	.562 104.76	.750 138.30	.500 93.54	.938 171.08	1.156 208.15	1.38 244.37	1.56 274.48	1.78 308.79	
20	20		.250 52.78	.375 78.67	.500 104.23	.375 78.67	.593 123.02	.812 166.56	.500 104.23	1.031 209.06	1.281 256.34	1.50 296.65	1.75 341.41	1.97 379.53	
22	22		.250 58.13	.375 86.69	.500 114.92	.375 86.69		.875 197.60	.500 114.92	1.125 251.05	1.375 303.16	1.63 353.94	1.88 403.38	2.13 451.49	
24	24		.250 63.47	.375 94.71	.562 140.81	.375 94.71	.688 171.45	.969 238.57	.500 125.61	1.219 296.86	1.531 367.74	1.81 429.79	2.06 483.57	2.343 542.44	
26	26		.312 85.60	.500 136.30		.375 102.72			.500 136.30						
28	28		.312 92.26	.500 146.99	.625 182.90	.375 110.74			.500 146.99						
30	30		.312 99.02	.500 157.68	.625 196.26	.375 118.76			.500 157.68						



PIPE AND TUBE

- A106 Seamless Pipe
- A53 Black Welded Pipe
- All Thread
- Aluminum Pipe
- Carbon Pipe
- Sanitary Tube
- T304 Stainless Pipe

VALVES

- Ball Valves
- Butterfly Valves
- Check Valves
- Diaphragm Valves
- Float Valves
- Gate Valves
- Globe Valves
- Needle Valves
- Plug Valves
- Pressure Relief Valves
- Solenoid Valves



FLANGES

- ASME/ANSI B16.5
- Class 150 through Class 2500
- Domestic or Import
- Flange Gaskets
- Forges, Cast or Stainless
- Installation Kits
- Slip-Ons, Socket Welds, Weld Necks
- Threaded, Lap Joint or Blind



PIPE FITTINGS

- Caps
- Couplings
- Elbows
- Ferrules
- Nipples
- Plugs
- Tees
- Unions



PIPE HANGING PRODUCTS

- Threaded and Coupled Black Pipe
- Threaded and Coupled Galvanized Pipe
- Clevis Hangers
- U-Bolts
- All Other Ancillary Pipe Hanging Products

Each Boyd Metals location has in-house processing services to meet your most exacting requirements. Visit our website for more details. We offer processing services including:

- Bending
- Blanking
- Cutting to Length from Coils
- Flame Cutting
- Forming
- Galvanizing
- Miter Cutting
- Pickling
- Plasma Cutting
- Production Saw Cutting to Length
- Production Shearing
- Rolling
- Slitting
- Splitting Tees from Beams
- Hi-Definition Plasma Cutting



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