

PIPE – STAINLESS, ALUMINUM, AND NICKEL



For the very best in stainless, aluminum, and nickel pipe products, turn to TW Metals. We have the products, processing, pricing, and quality you're looking for.

The pipe products you need – when you need them.

TW Metals stocks the pipe inventory you need, including:

Stainless Steel Pipe

A complete selection of welded and seamless pipe in a full range of sizes:

- Grades:.....304/L, 316/L, 321
- Specs:.....ASTM A312, ASME SA312
- Sizes:.....Special fabricated sizes available

Aluminum Pipe

An extensive size range of drawn and extruded aluminum pipe products that are suitable for a wide range of applications – including marine, cryogenics, and power generation.

- Grades:5000 series, especially 5083 and 5086
6000 series, especially 6061 and 6063
- Specs:.....Latest revision of ASTM specs

Nickel Pipe

TW Metals is your source for welded and seamless nickel pipe, with decades of experience in serving such industries as corrosion and heat treatment, oil and gas, pulp and paper, and pharmaceuticals.

- Grades:.....200, 400, 600, 601, 625, 800, 800H, 800HT, C276, Alloy 20
- Specs:.....Latest revision of ASTM and ASME specs

TW Metals also provides complementary products such as bar, tubing and pipe fittings.

And because we maintain a deep inventory at each of our nationwide locations, you're assured of delivery in two days or less.



METALS

800-203-8000
www.twmetals.com

**The Best Specialty Metals,
Long Products Service Center**

In the **TUBESALES** tradition.

TW Metals carries on the quality tradition of Tubesales, one of the most respected names in metal long products and services. As a result, we bring decades of specialized experience to your order.

Full processing capabilities.

TW Metals offers specialized cutting facilities for all types of long products, ensuring accurate, straight, and distortion-free cut lengths to the tolerances you require.

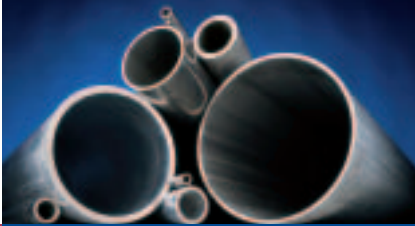
ISO 9001:2000 certified quality.

We insist that suppliers meet the highest quality standards in their industries, and conduct regular inspections. And, we maintain test certificates to ensure full material traceability, along with a library of all current international standards and customer specifications.

Competitive prices.

Best of all, TW Metals delivers all this quality, service, and value at highly competitive prices. And remember that additional products and alloys are available through customized supply programs tailored to your needs.

So when you want the best in tube, pipe, bar/rod, or extrusions in stainless, aluminum, nickel, alloy, or titanium, think TW Metals. Call us today at 1-800-203-8000.



PIPE SIZE	O.D. IN INCHES	PIPE SCHEDULES																		
		5s	5	10s	10	20	+	30	40s & E.H.	40	⊕	60	80s & E.H.	80	100	120	140	160	DBL. E.H.	
1/8	.405		.035 .1383	.049 .1863	.049 .1863				.068 .2447	.068 .2447			.095 .3145	.095 .3145	BLACK WALL THICKNESS IN INCHES					
1/4	.540		.049 .2570	.065 .3297	.065 .3297				.088 .4248	.088 .4248			.119 .5351	.119 .5351	RED STEEL WEIGHT PER FOOT IN POUNDS					
3/8	.675		.049 .3276	.065 .4235	.065 .4235				.091 .5676	.091 .5676			.126 .7388	.126 .7388	BLUE ALUMINUM WEIGHT PER FOOT IN POUNDS					
1/2	.840	.065 .5383	.065 .5383	.083 .6710	.083 .6710				.109 .8510	.109 .8510			.147 .1088	.147 .1088					.187 1.304	.294 1.714
3/4	1.050	.065 .6838	.065 .6838	.083 .8572	.083 .8572				.113 1.131	.113 1.131			.154 1.474	.154 1.474					.218 1.937	.308 2.441
1	1.315	.065 .8678	.065 .8678	.109 1.404	.109 1.404				.133 1.679	.133 1.679			.179 2.172	.179 2.172					.250 2.844	.358 3.659
1 1/4	1.660	.065 1.107	.065 1.107	.109 1.806	.109 1.806				.140 2.273	.140 2.273			.191 2.997	.191 2.997					.250 3.765	.382 5.214
1 1/2	1.900	.065 1.274	.065 1.274	.109 2.085	.109 2.085				.145 2.718	.145 2.718			.200 3.631	.200 3.631					.281 4.859	.400 6.408
2	2.375	.065 1.604	.065 1.604	.109 2.638	.109 2.638				.154 3.653	.154 3.653			.218 5.022	.218 5.022					.344 7.462	.436 9.029
2 1/2	2.875	.083 2.475	.083 2.475	.120 3.531	.120 3.531				.203 5.793	.203 5.793			.276 7.661	.276 7.661					.375 10.01	.552 13.70
3	3.500	.083 3.029	.083 3.029	.120 4.332	.120 4.332				.216 7.576	.216 7.576			.300 10.25	.300 10.25					.438 14.32	.600 18.58
3 1/2	4.000	.083 3.472	.083 3.472	.120 4.937	.120 4.937				.226 9.109	.226 9.109			.318 12.51	.318 12.51					.636 22.85	
4	4.500	.083 3.915	.083 3.915	.120 5.613	.120 5.613				.237 10.79	.237 10.79			.337 14.98	.337 14.98					.531 22.51	.674 27.54
4 1/2	5.000								.247 12.54				.355 17.61							
5	5.563	.109 6.349	.109 6.349	.134 7.770	.134 7.770				.258 14.62	.258 14.62			.375 20.78	.375 20.78					.500 27.04	.750 38.55
6	6.625	.109 7.585	.109 7.585	.134 9.289	.134 9.289				.280 18.97	.280 18.97			.432 28.57	.432 28.57					.562 36.39	.864 53.16
7	7.625								.301 23.54				.500 38.04							.875 63.08
8	8.625	.109 9.914	.109 9.914	.148 13.40	.148 13.40	.250 22.36	.175 5.463	.277 8.543	.322 28.55	.322 28.55			.500 43.39	.500 43.39	.594 50.95	.719 60.71	.812 67.76	.906 74.79	.875 72.42	
9	9.625								.342 33.91				.500 48.73							
10	10.75	.134 15.19	.134 15.19	.165 18.65	.165 18.65	.250 28.04	.279 10.79	.307 11.34	.365 40.48	.365 40.48			.500 54.74	.500 54.74	.594 64.43	.719 77.03	.844 82.29	1.000 104.1	1.125 115.6	1.000 104.1
11	11.75								.375 45.56				.500 60.08							
12	12.75	.156 21.07	.165 22.18	.180 24.16	.180 24.16	.250 33.38	.375 17.14	.330 43.77	.375 49.56	.375 49.56	.500 22.63		.562 73.15	.500 65.42	.688 88.63	.844 107.3	1.000 125.5	1.125 136.7	1.312 160.3	1.000 125.5
14	14.00	.156 23.07		.188 27.73	.250 36.71	.312 45.61		.375 54.57	.375 54.57	.438 63.44			.594 85.05	.500 72.09	.750 106.1	.938 130.9	1.094 150.8	1.250 170.2	1.406 189.1	
16	16.00	.165 27.90		.188 31.75	.250 42.05	.312 52.27		.375 62.58	.375 62.58	.500 82.77			.656 107.5	.500 82.77	.844 136.6	1.031 164.8	1.219 192.4	1.438 223.6	1.594 254.3	
18	18.00	.165 31.43		.188 35.76	.250 47.39	.312 58.94		.438 82.15	.375 70.59	.562 104.7			.750 138.2	.500 93.45	.938 170.9	1.156 208.0	1.375 244.1	1.562 274.2	1.781 308.5	
20	20.00	.188 39.78		.218 46.05	.250 52.73	.375 78.60		.500 104.1	.375 78.60	.594 123.1			.812 166.4	.500 104.1	1.031 208.9	1.281 256.1	1.500 296.4	1.750 341.1	1.969 379.2	
24	24.00	.218 55.37		.250 63.41	.250 63.41	.375 96.42		.562 140.7	.375 94.62	.688 171.3			.969 238.4	.500 125.5	1.219 296.6	1.531 367.4	1.812 429.4	2.062 483.1	2.344 542.1	
26	26.00			.312 85.60	.500 136.17				.375 102.63				.500 136.17							
28	28.00			.312 92.26	.500 146.85			.625 182.73	.375 110.64											
30	30.00	.250 79.43		.312 98.93	.500 157.53			.625 196.08	.375 118.65				.500 157.53							
32	32.00			.312 105.59	.500 168.21			.625 209.43	.375 126.66	.688 230.08			.500 168.21							
34	34.00			.312 112.25	.500 178.89			.625 222.78	.375 134.67	.688 244.77										
36	36.00			.312 118.92	.500 189.57			.625 236.13	.375 142.68	.750 282.35			.500 189.57							

For nickel and alloy produced to these pipe sizes apply these factors to the red numbers:

Nickel 200	1.1343	Incoloy* 800	1.0247	Inconel* 600	1.0742
Nickel 201	1.1378	Monel* 400	1.1272	Incoloy*	1.0389

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For aluminum TUBING alloys produced to the blue numbers listed pipe sizes — apply these factors:

1100 Wt. as shown	2014 Wt. times 1.03	5086 Wt. times .98
6061 Wt. as shown	2024 Wt. times 1.02	7075 Wt. times 1.03
6063 Wt. as shown	3003 Wt. times 1.01	

COLUMNS + and ⊕ ARE WALL THICKNESS PRODUCED TO PIPE TOLERANCES