

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.



O'Neal High-Performance Metals Group

800-203-8000
twmetals.com

**Specialty Metals Leadership.
Supply Chain Innovation.**

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.

Certified quality system.

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.



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PIPE SIZE	O.D. 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 .1304	.294 .4510
3/4	1.050	.065 .6838	.065 .6838	.083 .8572	.083 .8572				.113 .1131	.113 .1131			.154 .1474	.154 .1474					.218 .1937	.308 .2441
1	1.315	.065 .8678	.065 .8678	.109 .1404	.109 .1404				.133 .1679	.133 .1679			.179 .2172	.179 .2172					.250 .2844	.358 .3659
1 1/4	1.660	.065 .1107	.065 .1107	.109 .1806	.109 .1806				.140 .2273	.140 .2273			.191 .2997	.191 .2997					.250 .3765	.382 .5214
1 1/2	1.900	.065 .1274	.065 .1274	.109 .2085	.109 .2085				.145 .2718	.145 .2718			.200 .3631	.200 .3631					.281 .4859	.400 .6408
2	2.375	.065 .1604	.065 .1604	.109 .2638	.109 .2638				.154 .3653	.154 .3653			.218 .5022	.218 .5022					.344 .7462	.436 .9029
2 1/2	2.875	.083 .2475	.083 .2475	.120 .3531	.120 .3531				.203 .5793	.203 .5793			.276 .7661	.276 .7661					.375 .1001	.552 .1370
3	3.500	.083 .3029	.083 .3029	.120 .4332	.120 .4332				.216 .7576	.216 .7576			.300 .1025	.300 .1025					.438 .1432	.600 .1858
3 1/2	4.000	.083 .3472	.083 .3472	.120 .4937	.120 .4937				.226 .9109	.226 .9109			.318 .1251	.318 .1251					.636 .2285	
4	4.500	.083 .3915	.083 .3915	.120 .5613	.120 .5613				.237 .1079	.237 .1079			.337 .1498	.337 .1498				.438 .1900	.531 .2251	.674 .2754
4 1/2	5.000								.247 .1254				.355 .1761							
5	5.563	.109 .6349	.109 .6349	.134 .7770	.134 .7770				.258 .1462	.258 .1462			.375 .2078	.375 .2078				.500 .2704	.625 .3296	.750 .3855
6	6.625	.109 .7585	.109 .7585	.134 .9289	.134 .9289				.280 .1857	.280 .1857			.432 .2857	.432 .2857				.562 .3639	.719 .4335	.864 .5316
7	7.625								.301 .2354				.500 .3804							.875 .6308
8	8.625	.109 .9914	.109 .9914	.148 .1340	.148 .1340		.175 .5463	.277 .2470	.322 .2855	.322 .2855		.406 .3564	.500 .4339	.500 .4339	.594 .5095	.719 .6071	.812 .6776	.906 .7479	.875 .7254	
9	9.625								.342 .3391				.500 .4873							
10	10.75	.134 .1519	.134 .1519	.165 .1865	.165 .1865	.250 .2804	.279 .1079	.307 .3424	.365 .4048	.365 .4048		.500 .5474	.594 .6443	.594 .6443	.719 .7703	.844 .8229	1.000 .1041	1.125 .1156	1.000 .1041	
11	11.75								.375 .4556				.500 .6008							
12	12.75	.156 .2107	.165 .2218	.180 .2416	.180 .2416	.250 .3338	.375 .1714	.330 .4377	.375 .4956	.375 .4956		.500 .2263	.562 .7315	.500 .6542	.688 .8863	.844 .107.3	1.000 .125.5	1.125 .136.7	1.312 .160.3	1.000 .125.5
14	14.00	.156 .2307		.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		.375 .82.15	.375 .82.15	.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 .96.42	.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	.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				.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