

## Alloy Steel Pipe Grade along with their Corresponding Specifications

<b>Alloy Steel Grade</b>	<b>ASTM/ASME Standard</b>
<b>ASTM A335 P5</b>	<b>Seamless Ferritic Alloy Steel Pipe for High-Temperature Service</b>
<b>ASTM A335 P9</b>	<b>Seamless Ferritic Alloy Steel Pipe for High-Temperature Service</b>
<b>ASTM A335 P11</b>	<b>Seamless Ferritic Alloy Steel Pipe for High-Temperature Service</b>
<b>ASTM A335 P22</b>	<b>Seamless Ferritic Alloy Steel Pipe for High-Temperature Service</b>
<b>ASTM A335 P91</b>	<b>Seamless Ferritic Alloy Steel Pipe for High-Temperature Service</b>
<b>ASTM A213 T5</b>	<b>Seamless Ferritic and Austenitic Alloy Steel Boiler, Superheater, and Heat-Exchanger Tubes</b>
<b>ASTM A213 T9</b>	<b>Seamless Ferritic and Austenitic Alloy Steel Boiler, Superheater, and Heat-Exchanger Tubes</b>
<b>ASTM A213 T11</b>	<b>Seamless Ferritic and Austenitic Alloy Steel Boiler, Superheater, and Heat-Exchanger Tubes</b>
<b>ASTM A213 T22</b>	<b>Seamless Ferritic and Austenitic Alloy Steel Boiler, Superheater, and Heat-Exchanger Tubes</b>
<b>ASTM A213 T91</b>	<b>Seamless Ferritic and Austenitic Alloy Steel Boiler, Superheater, and Heat-Exchanger Tubes</b>
<b>ASTM A519 4130</b>	<b>Seamless Carbon and Alloy Steel Mechanical Tubing</b>



## Alloy Steel Pipe Dimensions and Weight

Nominal Pipe Size (NPS)	Outside Diameter (OD)	Schedule (SCH)	Wall Thickness (t)	Weight per Foot (lb/ft)
1/2"	0.84"	40	0.109"	0.85
3/4"	1.05"	40	0.113"	1.13
1"	1.315"	40	0.133"	1.68
1 1/4"	1.66"	40	0.14"	2.27
1 1/2"	1.9"	40	0.145"	2.72
2"	2.375"	40	0.154"	3.66
2 1/2"	2.875"	40	0.203"	5.79
3"	3.5"	40	0.216"	7.58
4"	4.5"	40	0.237"	10.79
6"	6.625"	40	0.28"	18.97
8"	8.625"	40	0.322"	28.55
10"	10.75"	40	0.365"	40.48
12"	12.75"	40	0.406"	53.52

## Alloy Steel Tube Dimensions & Weight

Nominal Pipe Size (NPS)	Outside Diameter (OD)	Wall Thickness (in)	Wall Thickness (mm)	Weight per Unit Length (lb/ft)	Weight per Unit Length (kg/m)
1/2"	0.840"	0.083"	2.11	0.84	1.25
3/4"	1.050"	0.113"	2.87	1.13	1.68
1"	1.315"	0.133"	3.38	1.68	2.50
1 1/4"	1.660"	0.140"	3.56	2.27	3.38
1 1/2"	1.900"	0.145"	3.68	2.72	4.05
2"	2.375"	0.154"	3.91	3.65	5.44
2 1/2"	2.875"	0.203"	5.16	5.80	8.64
3"	3.500"	0.216"	5.49	7.58	11.28
4"	4.500"	0.237"	6.02	10.80	16.08