

ASME SA 192 TUBE SPECIFICATIONS

GENERAL CHARACTERISTICS

This specification covers minimum-wall thickness, seamless carbon steel boiler and super heater tubes for high pressure service of [ASTM SA 192 Tube](#). The tubing sizes and thicknesses usually furnished to this specification are 1/2 in. to 7 in. [12.7 to 177.8 mm] outside diameter and 0.085 to 1.000 in. [2.2 to 25.4 mm], inclusive, in minimum wall thickness. Tubing having other dimensions may be furnished, provided such tubes comply with all other requirements of this specification. Mechanical property requirements do not apply to tubing smaller than 1/8 in [3.2 mm] inside diameter or 0.015 in. [0.4 mm] thickness.

MANUFACTURING:

Tubes shall be made by the seamless process and shall be either hot-finished or cold-finished, as specified.

ASTM SA 192 CHEMICAL COMPOSITION FOR TUBE:

Designation		%C	%Mn	%S	%P	%Si
ASTM SA192 Tube	Min	0.06	0.27	--	--	--
	Max	0.18	0.63	0.035	0.035	0.25

MECHANICAL PROPERTIES OF ASME SA 192 TUBE:

Mechanical properties	UTS ksi (MPa)	YS ksi (MPa)	%EL	Hardness (HRB)
ASME SA 192	325	180	35	≤ 77
				≤ 137

HEAT TREATMENT:

Hot-finished tubes need not be heat treated. Cold finished tubes shall be heat treated after the final cold finished at a temperature of 1200°F [650°C] or higher.

For more details visit: [ASME SA 192 Tube Supplier](#)

Related Searches:

asme sa 192 tube size chart

astm a192 pdf

asme sa 192

sa 192 tubes chemical composition

astm sa 192 tube price

sa 192 tube properties

sa192 tube specification