

ASME SA 179 TUBE SPECIFICATIONS

GENERAL CHARACTERISTICS

This specification of [ASTM SA 179 tube](#) covers minimum-wall-thickness, seamless cold-drawn low-carbon steel tubes for tubular heat exchangers, condensers, and similar heat transfer apparatus. This specification covers tubes 1/8 to 3 in. [3.2 to 76.2 mm], inclusive, in outside diameter. Tubing smaller in outside diameter and having a thinner wall than indicated in this specification is available. Mechanical property requirements do not apply to tubing smaller than 1/8 in. [3.2 mm] in outside diameter or with a wall thickness under 0.015 in. [0.4 mm].

ASTM SA 179 CHEMICAL COMPOSITION FOR TUBE:

Designation		%C	%Mn	%S	%P	%Si
ASTM A179 Tube	Min	0.06	0.27	--	--	--
	Max	0.18	0.63	0.035	0.035	--

MECHANICAL PROPERTIES OF ASME SA 179 TUBE:

Mechanical properties	UTS ksi (MPa)	YS ksi (MPa)	%EL	Hardness (HRB)
ASME SA 179	325	180	35	≤ 72

HEAT TREATMENT:

Tubes shall be heat treated after the final cold draw pass at a temperature of 1200°F [650°C] or higher.

For more details visit: [ASME SA 179 Tube Supplier](#)

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