ASTM A179

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●Production Standard of ASTM A179

●ASTM A179

ASTM A179 tubing is renowned for its seamless cold-drawn low-carbon steel tubes, making it an ideal choice for tubular heat exchangers, condensers, and similar heat transfer apparatus. The production process is seamless, and the tubes are cold drawn to provide superior strength and durability. ASTM A179 tubing plays an important role in petroleum, chemical, electric power, shipbuilding and other industries.

●Dimensions and Sizes of ASTM A179

Outside Diameter：	1⁄8 to 3 in. [3.2 to 76.2 mm]
Wall Thickness：	–
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].	

●Chemical Composition of ASTM A179

Chemical Composition	
Carbon, %	0.06–0.18

Manganese, %	0.27–0.63
Phosphorus, max, %	0.035
Sulfur, max, %	0.035

●Mechanical Properties Tensile Strength and Yield Strength of ASTM A179

Tensile Properties	
Tensile strength, min, ksi [MPa]	47 [325]
Yield strength, min, ksi [MPa]	26 [180]
Elongation in 2 in. or 50 mm, min, %	35