

ASTM A179 Heat Exchanger Tube - Data Sheet

Mejor Steel, export sourcing for steel pipe and OCTG | <https://mejorsteel.com/get-a-quote/>

Supply range

Outside diameter 1/4 inch - 3 inch (6.35 - 76.2 mm), the usual heat exchanger tube range; larger on request

Wall thickness 0.035 - 0.300 inch (0.89 - 7.62 mm), by minimum wall or average wall

Length Straight lengths as ordered, or U-bent to drawing

Ends Plain end, or prepared for the tube sheet

Surface treatment Bare, oiled, or pickled on request

Manufacturing process Seamless, cold drawn only

Heat treatment Not required as delivered; annealing or stress relieving on request

Delivery standard ASTM A179 / ASME SA179, general requirements to ASTM A450

Delivery condition Cold drawn

Inspection and documentation

Inspection Inspected by the producing mill's own inspection department, which is independent of production, against the delivery standard above. Third-party inspection - SGS, BV or TUV, or an inspector you send yourself - can be arranged at the mill or before shipment; give us the dates and the scope at the order stage.

Certificate A mill test certificate to EN 10204 3.1 showing the heat number, the chemical composition and the mechanical results is standard on every order. EN 10204 3.2, countersigned by the inspector you nominate, is available on request.

Documents with the goods The mill test certificate and the packing list travel with the shipment, and the heat number is traceable from cast through to the finished product.

Packing Sea-worthy export packing: bundled by size with end protection, corrosion protection on request, stencilled with the size, grade and heat number.

MOQ One bundle or one truckload; mixed sizes within a bundle accepted.

Lead time Counted from order confirmation, not from the enquiry. Stock sizes 7-15 days; mill run or non-stock 4-6 weeks. The delivery window is fixed on the quotation.

How we supply Sourced through partner mills; the producing mill is named on the quotation.

Chemical composition

Element	Requirement	Element	Requirement
Carbon, C	0.06 - 0.18	Silicon, Si	not specified
Manganese, Mn	0.27 - 0.63	Nickel, Ni	not specified
Phosphorus, P	0.035 max	Chromium, Cr	not specified
Sulphur, S	0.035 max	Molybdenum, Mo	not specified

Mechanical properties

Grade	Tensile strength	Yield strength	Elongation	Delivery condition
A179 (ASTM A179)	325 MPa min (47,000 psi)	180 MPa min (26,000 psi)	35% min	Seamless, cold drawn

Source

Source: chemical composition requirements of ASTM A179 / ASME SA179. The standard is the governing document.

Source: tensile requirements of ASTM A179 / ASME SA179. The standard is the governing document.

Under minimum wall every reading along the tube has to be at or above the nominal wall, which forces the mill to start from a heavier hollow. Under average wall the average has to reach nominal, and individual readings may fall thinner. Source: this page's minimum wall and average wall ordering table.

Page: <https://mejorsteel.com/standards/astm-a179-pipe/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.