

ASTM A213 T11 Alloy Steel Tube - Data Sheet

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

Supply range

Outside diameter 1/2 inch - 5 inch (12.7 - 127 mm), or by outside diameter

Wall thickness 0.9 - 12.7 mm (0.035 - 0.500 inch); ordered as minimum wall or average wall

Length SRL 5.8 m, DRL 11.8 m, or fixed length; U-bent on request

Ends Plain end, beveled end

Surface treatment Pickled, black, oiled, or as specified

Delivery condition Annealed; hot finished or cold drawn and heat treated

Manufacturing process Seamless, hot finished or cold drawn

Heat treatment Annealed; cold drawn tube is heat treated after the final drawing pass

Delivery standard ASTM A213 / ASME SA213, general requirements to A1016 / SA1016

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	Range	Element	Range
Carbon, C	0.05 - 0.15	Chromium, Cr	1.00 - 1.50
Manganese, Mn	0.30 - 0.60	Molybdenum, Mo	0.44 - 0.65
Phosphorus, P	0.025 max	Silicon, Si	0.50 - 1.00
Sulphur, S	0.025 max	Nickel, Ni	not specified

Mechanical properties

Grade	Tensile strength	Yield strength	Elongation	Hardness
T11 (ASTM A213)	415 MPa min (60,000 psi)	205 MPa min (30,000 psi)	30% min	163 HBW max

Source

Source: chemical composition requirements of ASTM A213 / ASME SA213. The standard is the governing document.

Source: tensile requirements of ASTM A213 / ASME SA213. The standard is the governing document.

T11 is 1.25Cr-0.5Mo with chromium between 1.00% and 1.50%, T22 is 2.25Cr-1Mo and T91 is 9Cr-1Mo-V. Each step moves the usable temperature band and the welding procedure with it. Source: this page's grade comparison table; the T11 chemistry table on the same page gives Cr 1.00-1.50%.

Page: <https://mejorsteel.com/standards/astm-a213-t11-tube/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.