

ASTM A269 Stainless Steel Tubing - Data Sheet

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

Supply range

Outside diameter 1/4 in (6.4 mm) and larger, to the size fixed on the order

Wall thickness 0.020 in (0.51 mm) and larger

Length Straight lengths or coils, cut to the ordered length

Ends Plain end, cut square, or as specified

Surface finish Annealed and pickled, bright annealed, or as specified

Manufacturing process Seamless or welded

Heat treatment Solution annealed

Delivery standard ASTM A269 / A269M

Delivery condition Annealed

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	TP304	TP316
Carbon, C	0.08 max	0.08 max
Manganese, Mn	2.00 max	2.00 max
Silicon, Si	0.75 max	0.75 max
Phosphorus, P	0.045 max	0.045 max
Sulphur, S	0.030 max	0.030 max
Chromium, Cr	18.0 - 20.0	16.0 - 18.0
Nickel, Ni	8.0 - 11.0	10.0 - 14.0
Molybdenum, Mo	-	2.00 - 3.00

Mechanical properties

Grade	Tensile strength	Yield strength	Elongation
TP304	515 MPa min (75,000 psi)	205 MPa min (30,000 psi)	35% min
TP316	515 MPa min (75,000 psi)	205 MPa min (30,000 psi)	35% min
TP304L	485 MPa min (70,000 psi)	170 MPa min (25,000 psi)	35% min
TP316L	485 MPa min (70,000 psi)	170 MPa min (25,000 psi)	35% min

Source

A269 is ordered by actual outside diameter and wall, with the inside diameter equal to the outside diameter minus twice the wall. The specification starts at 1/4 in (6.4 mm) outside diameter and 0.020 in (0.51 mm) wall. Source: this page's size range and specification table.

Source: chemical composition requirements of ASTM A269 / A269M. The standard is the governing document.

Source: tensile and hardness requirements of ASTM A269 / A269M. The standard is the governing document.

Page: <https://mejorsteel.com/standards/astm-a269-tube/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.