

ASTM A106 Grade B Pipe - Data Sheet

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

Supply range

Outside diameter 1/2 inch - 24 inch (12.7 - 610 mm), seamless

Wall thickness SCH 10 - SCH 160 and heavier; typically 2.11 - 40 mm

Length SRL 5.8 m, DRL 11.8 m, 20 FT, 40 FT, or random 4 - 12 m

Ends Plain end, beveled end, threaded with coupling

Surface treatment Black varnish, bare, oiled, hot dip galvanized on request

Manufacturing process Hot rolled seamless only - welded pipe is not permitted by A106

Heat treatment No heat treatment required as supplied; normalizing or stress relieving available on request

Delivery standard ASTM A106 / ASME SA106

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	Grade A	Grade B	Grade C
Carbon, C	0.25 max	0.30 max	0.35 max
Manganese, Mn	0.27 - 0.93	0.29 - 1.06	0.29 - 1.06
Phosphorus, P	0.035 max	0.035 max	0.035 max
Sulphur, S	0.035 max	0.035 max	0.035 max
Silicon, Si	0.10 min	0.10 min	0.10 min
Chromium, Cr	0.40 max	0.40 max	0.40 max
Molybdenum, Mo	0.15 max	0.15 max	0.15 max
Nickel, Ni	0.40 max	0.40 max	0.40 max
Copper, Cu	0.40 max	0.40 max	0.40 max
Vanadium, V	0.08 max	0.08 max	0.08 max

Mechanical properties

Grade	Tensile strength min	Yield strength min	Elongation min	Maximum hardness
Grade A	330 MPa (48,000 psi)	205 MPa (30,000 psi)	35%	not specified
Grade B	415 MPa (60,000 psi)	240 MPa (35,000 psi)	30%	not specified
Grade C	485 MPa (70,000 psi)	275 MPa (40,000 psi)	30%	not specified

Source

Source: chemical composition requirements of ASTM A106 / ASME SA106, Table 1. The standard is the governing document.

Source: tensile requirements of ASTM A106 / ASME SA106, Table 1. The standard is the governing document.

Grade B sits between Grade A and Grade C: 415 MPa minimum tensile against 330 and 485, with the carbon ceiling rising from 0.25 to 0.30 and 0.35 max. Source: this page's composition and tensile tables.

Page: <https://mejorsteel.com/standards/astm-a106-grade-b-pipe/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.