

API 5CT Q125 Casing - Data Sheet

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

Supply range

Outside diameter 4-1/2 inch - 13-3/8 inch (114.3 - 339.7 mm), including 7-5/8 inch (193.7 mm) and 10-3/4 inch (273.1 mm)

Wall thickness by the API 5CT weight designation in lb/ft, or by wall thickness on request

Length R1 4.88 - 7.62 m, R2 7.62 - 10.36 m, R3 10.36 - 14.63 m

Ends BTC or premium connection; premium connections are the norm at this strength level

Surface treatment Bare, varnish, phosphate, or as specified

Delivery condition Quenched and tempered, with mandatory impact testing; no maximum hardness is specified for the grade

Manufacturing process Seamless

Heat treatment Quenched and tempered

Delivery standard API 5CT / ISO 11960, threads to API 5B

Types One delivery condition only - Q125 is quenched and tempered and impact tested as a requirement of the grade, and it is a casing grade rather than a tubing grade

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
Phosphorus, P	0.030 max	Carbon, C	not specified
Sulphur, S	0.030 max	Manganese, Mn	not specified
Silicon, Si	not specified	Chromium, Cr	not specified
Nickel, Ni	not specified	Molybdenum, Mo	not specified

Mechanical properties

Grade	Yield strength	Tensile strength	Elongation	Impact test	Hardness
Q125 (API 5CT)	862 - 1,034 MPa (125,000 - 150,000 psi)	931 MPa min (135,000 psi)	per the API 5CT formula	mandatory Charpy V-notch testing; minimum absorbed energy and test temperature tabulated in the standard	no maximum hardness is specified for Q125; hardness variation is controlled (Table C.5, note b)

Source

Source: chemical composition requirements of API 5CT / ISO 11960. The standard is the governing document.

Source: tensile requirements of API 5CT / ISO 11960. The standard is the governing document.

Q125 spans 125,000-150,000 psi, which is 862-1,034 MPa, against a 110,000 psi minimum yield for P110. The extra 15,000 psi of minimum yield is paid for in handling discipline and a tighter yield window. Source: this page's Q125 mechanical properties table and the P110 minimum yield quoted on the same page.

Page: <https://mejorsteel.com/standards/api-5ct-q125-casing/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.