

API 5CT J55 Casing - Data Sheet

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Supply range

Outside diameter 4-1/2 inch - 13-3/8 inch (114.3 - 339.7 mm), other API 5CT sizes on request

Wall thickness 4.83 - 22.22 mm as a wall thickness, or by the API 5CT weight designation in lb/ft

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

Ends STC, LTC, BTC, or premium connection

Surface treatment Bare, varnish, phosphate, or as specified

Delivery condition Not fixed by the grade; the steelmaking route is the manufacturer's choice provided the mechanical requirements are met

Manufacturing process Seamless or ERW (electric resistance welded)

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

Types One grade only - there is no impact-tested variant of J55, so toughness has to be added as an order requirement if it is needed

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
J55 (API 5CT)	379 - 552 MPa (55,000 - 80,000 psi)	517 MPa min (75,000 psi)	per the API 5CT formula	not required by the standard	not specified at delivery

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.

J55 and K55 share the same 379-552 MPa yield range, but K55 carries a 655 MPa minimum tensile strength against 517 MPa for J55. Neither grade carries an impact requirement in the standard, so both are bought on strength rather than toughness. Source: this page's API 5CT grade comparison table.

Page: <https://mejorsteel.com/standards/api-5ct-j55-casing/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.