

API 11B Grade D Sucker Rod - Data Sheet

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Supply range

Outside diameter 5/8, 3/4, 7/8, 1 and 1-1/8 inch (15.9 - 28.6 mm); other API 11B sizes on request

Length 25 ft (7.62 m) and 30 ft (9.14 m) standard; pony rods shorter, for adjusting string length

Ends Pin (male) rod ends joined by box-and-box couplings, so the made-up joint is pin and box; thread form to API 11B

Surface treatment Bare and oiled, or with a corrosion-resistant coating or inhibitor as specified

Delivery condition Quenched and tempered to a minimum tensile strength of 115,000 psi (793 MPa)

Manufacturing process Hot rolled or cold finished bar, upset forged at both ends, threads machined to API 11B

Heat treatment Quenched and tempered

Delivery standard API 11B; threads, gauging and couplings to the same specification

Types Grade D among the API 11B grades - Grades K and C at 90,000 psi (621 MPa) and the D-family grades at 115,000 psi (793 MPa) minimum tensile strength

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.

Mechanical properties

Grade	Minimum tensile strength	Yield strength	Ductility	Hardness
Grade D (API 11B)	793 MPa min (115,000 psi); 965 MPa max (140,000 psi)	not tabulated as a grade requirement - see the note	minimum elongation and reduction of area tabulated in the standard	not specified by the grade

Source

Source: chemical composition requirements of API 11B. The standard is the governing document.

Source: tensile requirements of API 11B. The standard is the governing document.

Grades K and C carry a 621 MPa (90,000 psi) minimum tensile strength, and the D-family grades 793 MPa (115,000 psi) with a 965 MPa (140,000 psi) maximum. Each grade is a different steel and treatment, not a different strength level of the same steel. Source: this page's API 11B sucker rod grade table.

Page: <https://mejorsteel.com/standards/api-11b-grade-d-sucker-rod/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.