

# ASTM A252 Steel Piling Pipe - Data Sheet

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

## Supply range

Outside diameter by outside diameter; commonly 8 inch - 36 inch (203 - 914 mm)

Wall thickness by nominal wall; commonly 6.4 - 19.1 mm (1/4 - 3/4 inch)

Length Random or fixed length, or cut to the splice plan

Ends Plain end, or beveled end for field welding; driving shoe or conical point welded before driving

Surface treatment Black, bare, or coated or galvanized where the structure requires it

Delivery condition As-rolled; no heat treatment required by the specification

Manufacturing process Seamless, ERW, LSAW, or SSAW spiral welded

Delivery standard ASTM A252 / ASME SA252; sizes and walls as agreed between purchaser and manufacturer

## 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 | 0.050 max     | Carbon, C     | not specified |
| Sulphur, S    | 0.050 max     | Manganese, Mn | not specified |
| Silicon, Si   | not specified | Chromium, Cr  | not specified |
| Nickel, Ni    | not specified | Copper, Cu    | not specified |

## Mechanical properties

| Grade   | Tensile strength         | Yield strength           | Elongation | Chemistry specified |
|---------|--------------------------|--------------------------|------------|---------------------|
| Grade 1 | 345 MPa min (50,000 psi) | 207 MPa min (30,000 psi) | 20% min    | P and S only        |
| Grade 2 | 414 MPa min (60,000 psi) | 241 MPa min (35,000 psi) | 20% min    | P and S only        |
| Grade 3 | 455 MPa min (66,000 psi) | 310 MPa min (45,000 psi) | 20% min    | P and S only        |

## Source

Source: chemical composition requirements of ASTM A252 / ASME SA252. The standard is the governing document.

Source: tensile requirements of ASTM A252 / ASME SA252. The standard is the governing document.

A252 separates the three grades by minimum tensile strength - 345, 414 and 455 MPa - with a 20% elongation requirement and a chemistry limited to phosphorus and sulphur at 0.050 maximum. Source: this page's ASTM A252 grade table.

Page: <https://mejorsteel.com/standards/astm-a252-piling-pipe/> | The standard is the governing document. MOQ, lead time and price are confirmed on request.