

TECHNICAL DATA SHEET · PIPES

Stainless Steel Pipe

NPS 1/8"–24", Sch 5S to 160, stocked and supplied by Teshi Group.

STOCKIST & SUPPLIER Austenitic stainless steel pipe to ASTM A312 is used for corrosive, hygienic, high-temperature and cryogenic service. Low-carbon L grades resist sensitisation after welding.

Specification

Product	Stainless Steel Pipe
Supply	Stockist and supplier — sourced from approved mills; not manufactured by Teshi Group
Specifications	ASTM A312 / ASME SA312; dimensions to ASME B36.19M and B36.10M
Size range	NPS 1/8" to 24"
Wall thickness	Sch 5S, 10S, 40S, 80S, 160, XXS
Condition	Seamless or welded; solution annealed and pickled; plain or bevelled ends
Length	Single random (5–7 m), double random (10–12 m) or cut to length
Services	Cutting, bevelling to ASME B16.25, and supply with Teshi-manufactured flanges and fittings

Materials

Austenitic stainless steel	ASTM A312 TP304, ASTM A312 TP304L, ASTM A312 TP316, ASTM A312 TP316L
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Inspection and testing

- Mill testing to the pipe specification: chemical analysis, tensile, flattening or bend, and hydrostatic or NDT of every length.
- Teshi receiving inspection: verification of markings and heat numbers against the mill certificate, visual and dimensional check.
- PMI on alloy and stainless pipe before dispatch.
- Additional testing or third-party inspection on request.

Marking, documentation and packing

Marking	Mill stencil along each length: manufacturer, specification, grade, size, schedule, heat number and length.
Documentation	Original mill test certificate to EN 10204 3.1 for each heat supplied. IBR-certified material on request.
Packing	Bundled with steel straps, ends fitted with plastic caps; bevel protectors on bevelled pipe.

Typical applications

- Chemical, pharmaceutical and food process lines
- Corrosive and high-purity service
- Cryogenic piping



Ordering information

- Specification and grade
- Nominal size and schedule or wall thickness
- Seamless or welded
- Length and end finish
- IBR, NACE or third-party inspection requirements
- Quantity in metres or tonnes

Dimension charts

Stainless steel pipe schedule chart — ASME B36.19M; Pipe schedule chart — ASME B36.10M — www.teshigroup.com/dimensional-standards/

Reference information compiled from the published standard for convenience. It does not replace the current edition of the governing standard, which takes precedence. Verify critical dimensions and properties before design, purchase or fabrication. Teshi Engineers & Sales Promoters (P) Ltd accepts no liability for errors or omissions.

Teshi Group

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