

Stainless Steel Pipe Datasheet

Shaanxi Jiade Group Co Ltd — alloyworld.cn

Seamless and welded stainless pipe from 10 mm to 1219 mm, in round square and rectangular section, across 201 304 316L 317 321 310S and 904L.

Capability

- Outside diameter from 10 mm to 1219 mm and wall from 0.6 mm to 150 mm
- Round, square and rectangular sections from the same mill
- Lengths to 13000 mm on the heat resistant and super austenitic grades
- Mill pickled or 180 240 and 320 grit polished surface
- Solution annealed delivery condition on 310S 321 and 904L

Problems This Category Solves

- Weld decay in unstabilised pipe after site welding
- Pitting in chloride and acid service where 304 or 316L was specified on price
- Scaling and loss of section in hot gas lines
- Fixed random lengths that add avoidable field joints and NDT

Products and Specifications

ASTM A213 TP347 Cold Finished Seamless Pipe 168.3 x 4.2 x 8000 mm

Standard	ASME B36.19 dimensions, ASTM A213 material
Grade	TP347
Outside Diameter	168.3 mm, 6 inch, DN150
Wall Thickness	4.2 mm
Length	8000 mm
Section Shape	Round
Type	TP347 seamless pipe
Surface Treatment	Pickled, 2B, No.4, BA, hairline, mirror
Chromium	17.0 to 20.0 percent
Nickel	9.0 to 13.0 percent
Carbon	0.08 percent maximum
Manganese	2.0 percent maximum
Silicon	0.75 percent maximum
Phosphorus	0.04 percent maximum
Sulphur	0.30 percent maximum
Application	Construction, oil, gas
Place of Origin	Xi'an, Shaanxi, China
Packing	Standard export packing or to buyer specification
Delivery	7 to 20 days

904L Stainless Steel Pipe

Grade	904L, 1.4539, X1NiCrMoCu25-20-5, UNS S08904
Standard	ASTM A249, A312, A213, A409, A358, A790, JIS G3459, JIS G3463
Outside Diameter	10 to 1067 mm
Wall Thickness	1.5 to 150 mm
Length	1000 to 13000 mm
Surface Finish	180, 240 or 320 grit polished, mill pickled
Delivery Condition	Solution annealed
Surface Treatment	Mill finished or polished

310S Stainless Steel Pipe

Grade	310S, 1.4845, X8CrNi25-21, UNS S31008
Standard	ASTM A249, A312, A213, JIS G3459, JIS G3463
Outside Diameter	10 to 1067 mm
Wall Thickness	1.5 to 150 mm
Length	1000 to 13000 mm
Chromium	24.0 to 26.0 percent
Maximum Service Temperature	Up to 1100 C theoretically
Surface Finish	180, 240 or 320 grit polished, mill pickled
Delivery Condition	Solution annealed
Packing	Woven bags and wooden cases

321 Stainless Steel Pipe

Grade	321, 1.4541, X6CrNiTi18-10, UNS S32100
Standard	ASTM A409, ASTM A312, JIS G3459, JIS G3463
Outside Diameter	10 to 1067 mm
Wall Thickness	1 to 150 mm
Length	1000 to 13000 mm
Chromium	17.00 to 19.00 percent
Surface Treatment	Mill finished, polished
Related Grade	321H

316L Stainless Steel Pipe

Grade	316L
Process	Seamless and welded
Shapes	Round, square, rectangular
Round Size	10 to 1219 mm
Square Size	20 x 20 mm to 500 x 500 mm
Rectangular Size	20 x 30 mm to 400 x 600 mm
Wall Thickness	0.6 to 62 mm
Length	3000 mm, 5800 mm
Standard	ASTM A213, A312, A249, A269, A409, A358, A511, A554
Surface Treatment	Pickled, polished

317 Stainless Steel Pipe

Grade	317
Process	Seamless and welded
Shapes	Round, square, rectangular
Round Size	10 to 1219 mm
Square Size	20 x 20 mm to 500 x 500 mm
Rectangular Size	20 x 30 mm to 400 x 600 mm
Wall Thickness	0.6 to 62 mm
Length	3000 mm, 5800 mm, 6000 mm, 11800 mm, 12000 mm
Standard	ASTM A213, A312, A249, A269, A409, A358, A511, A554
Surface Treatment	Pickled, polished
Nickel	11 percent minimum

304 Stainless Steel Pipe

Grade	304
Process	Welded and seamless
Shapes	Round, square, rectangular
Round Size	10 to 1219 mm
Square Size	20 x 20 mm to 500 x 500 mm
Rectangular Size	20 x 30 mm to 400 x 600 mm
Wall Thickness	0.6 to 62 mm
Length	1000 to 12000 mm
Standard	ASTM A213, A312, A249, A269, A409, A358, A511, A554

Frequently Asked Questions

Which stainless grade should I use for a chloride bearing line

316L is the usual first step above 304 because the molybdenum lifts pitting and crevice resistance. Where chlorides are concentrated, move to 2205 duplex or to a nickel alloy such as Hastelloy C-276.

What is the largest diameter you can supply

1219 mm outside diameter on the 304, 316L and 317 programmes, and 1067 mm on 310S, 321 and 904L.

Do you supply seamless and welded pipe

Yes. Both processes are produced across the range, with seamless preferred for pressure duty and welded for structural and general service.

Can you cut pipe to our length

Yes. Lengths are available from 1000 mm up to 13000 mm depending on the grade, which removes field joints on long runs.

What surface finishes are available

Mill pickled, mill finished and polished to 180, 240 or 320 grit.

What documentation comes with the pipe

A mill test certificate with each heat, with EN 10204 3.1 documents and third party inspection by SGS, BV or others arranged on request.