

SS316 TUBE 6MTR

Stainless Steel 316 Tube · ASTM A269 / A213 · Specified by OD and Wall · 6 Metre Length

STAINLESS STEEL 316

ASTM A269 / A213

OD X WALL

LENGTH 6 M



FIG. 1 | SS316 TUBE 6MTR

PRODUCT OVERVIEW

SS316 Tube 6MTR is stainless steel 316 tube supplied to an outside diameter and wall thickness rather than to a nominal pipe size and schedule. It is made to the close tolerances that compression and bite type fittings need in order to seal reliably.

Grade 316 resists chlorides, which makes the tube suitable for marine, coastal and chemical duty where 304 would pit. It is supplied to ASTM A269 for general service or ASTM A213 for heat exchanger duty. Both metric and imperial series are stocked, and wall thickness must be stated on the enquiry.

Product type	Stainless steel 316 tube
Material standard	ASTM A269 / A213
Specified by	Outside diameter and wall thickness
Series	Metric 6 mm to 25 mm, imperial 1/8" to 2"
Length	6 m
Surface	Bright annealed or pickled

TECHNICAL SPECIFICATION

Material standard	ASTM A269 / A213	OD tolerance	Close tolerance, per ASTM A269
Dimensional reference	ASME B36.19M where applicable	Wall tolerance	Per ASTM A269
Specified by	OD x wall thickness	Condition	Solution annealed
Manufacturing process	Seamless or welded	Bending	Suitable for cold bending
Standard length	6 m	Certification	EN 10204 3.1 on request
Surface	Bright annealed or pickled	Wall thickness	To be specified at enquiry



CONSTRUCTION AND MATERIAL

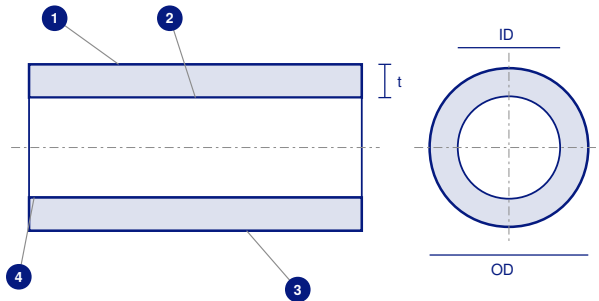


FIG. 2 | SECTIONAL ARRANGEMENT AND END VIEW

#	ITEM	DETAIL
1	Material	Stainless steel 316 / 316L
2	Material standard	ASTM A269 / A213
3	Manufacture	Seamless or welded tube
4	Specified by	OD and wall thickness
5	Length	6 m standard
6	Ends	Plain end, square cut
7	Surface	Bright annealed or pickled and passivated
8	Certification	EN 10204 3.1 on request

Tube is not interchangeable with pipe. A 1 inch tube has a 25.4 mm outside diameter, whereas 1 inch NPS pipe has a 33.4 mm outside diameter. Instrument fittings are sized on tube OD.

DIMENSIONS AND WEIGHTS

SIZE	OD (MM)	SERIES	WALL T (MM)	ID (MM)
6 mm	6.00	Metric	Specify	Specify
8 mm	8.00	Metric	Specify	Specify
10 mm	10.00	Metric	Specify	Specify
12 mm	12.00	Metric	Specify	Specify
16 mm	16.00	Metric	Specify	Specify
18 mm	18.00	Metric	Specify	Specify
20 mm	20.00	Metric	Specify	Specify
22 mm	22.00	Metric	Specify	Specify
25 mm	25.00	Metric	Specify	Specify
1/8"	3.18	Imperial	Specify	Specify
1/4"	6.35	Imperial	Specify	Specify
3/8"	9.53	Imperial	Specify	Specify
1/2"	12.70	Imperial	Specify	Specify
3/4"	19.05	Imperial	Specify	Specify
1"	25.40	Imperial	Specify	Specify
1.1/4"	31.75	Imperial	Specify	Specify
1.1/2"	38.10	Imperial	Specify	Specify
2"	50.80	Imperial	Specify	Specify

Outside diameters shown are the metric and imperial series listed on the product page, which quotes a range of 6 mm to 101.6 mm OD. Wall thickness is not fixed by the size and must be stated on the enquiry, so it is shown as Specify. Sizes above 25 mm and 2 inch are available against enquiry.



ORDERING INFORMATION

FIELD	OPTIONS
Product description	SS316 Tube 6MTR
Outside diameter	6, 8, 10, 12, 16, 18, 20, 22, 25 mm or 1/8" to 2"
Wall thickness	State in mm or inch, required
Grade	316 or 316L
Standard	ASTM A269 general, A213 heat exchanger
Length	6 m standard. Cut lengths on request
Order example	SS316 TUBE / 12 MM OD / 1.5 MM WALL / A269 / 6 M

Stock held in Dubai for fast despatch across the UAE and GCC. Contact our sales desk for pricing, availability, project quantities and certification requirements.

COMPLIANCE AND QUALITY

- Material to ASTM A269 for general service
- Material to ASTM A213 for heat exchanger service
- Solution annealed and pickled or bright annealed
- Close OD and wall tolerances for compression fittings
- EN 10204 3.1 mill test certificate on request

HANDLING AND INSTALLATION

- Use dedicated stainless tooling, never carbon steel wire brushes
- Purge the bore with argon when welding to protect the root
- Cut square and deburr before fitting compression fittings
- Repassivate any area where the surface has been ground

TYPICAL APPLICATIONS

- Instrument and impulse lines
- Hydraulic and pneumatic control lines
- Marine and offshore systems
- Chemical and process plant
- Food, beverage and pharmaceutical
- Heat exchanger and condenser tubing

STORAGE

- Store clear of the ground on timber or steel supports at even spacing
- Keep stainless steel apart from carbon steel to avoid iron contamination
- Retain end caps and protectors until the pipe is installed
- Support the full length to prevent permanent bow in thin wall sizes

COMPANY

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Pipes and Tubes

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