SS316 PIPE SCH.80 SMLS 6MTR

Schedule 80 · Seamless · Stainless Steel 316 · 6 Metre Length

SCHEDULE 80 | SEAMLESS | SIZE 1/2" TO 12" | LENGTH 6 M



FIG. 1 | SS316 PIPE SCH.80 SMLS 6MTR

PRODUCT OVERVIEW

SS316 Pipe SCH.80 SMLS 6MTR is seamless stainless steel 316 pipe with a heavier schedule 80S wall, for corrosive service that also carries significant pressure.

The extra wall raises the pressure capability and provides a corrosion allowance where the medium is aggressive. It is a common specification on chemical process plant, offshore utility lines and seawater systems.

Product type	**Seamless pipe**
Material	**Stainless steel 316 / 316L**
Schedule	**SCH 80**
Size range	**1/2" to 12" NPS**
Length	**6 m**
Ends	**Plain end, square cut**

TECHNICAL SPECIFICATION

Dimensional standard	**ASME B36.19M**
Material standard	**ASTM A312**
Manufacturing process	**Seamless**
Schedule	**SCH 80**
Standard length	**6 m**
End finish	**Plain end, bevel on request**

Surface	**Pickled and passivated**
OD tolerance	**Per the dimensional standard**
Wall tolerance	**Minus 12.5% per the dimensional standard**
Testing	**Hydrostatic or eddy current at mill**
Certification	**EN 10204 3.1 on request**
Size range	**1/2" to 12" NPS**

CONSTRUCTION AND MATERIAL

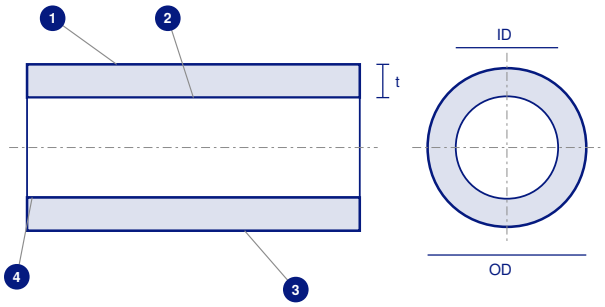


FIG. 2 | SECTIONAL ARRANGEMENT AND END VIEW

#	ITEM	DETAIL
1	Material	Stainless steel 316 / 316L
2	Manufacture	Seamless
3	Dimensional standard	ASME B36.19M
4	Length	6 m standard mill length
5	Ends	Plain end, square cut, bevelled on request
6	Surface	Pickled and passivated
7	Marking	Size, schedule, grade, heat number
8	Certification	EN 10204 3.1 mill certificate on request

Grade, schedule and end preparation are confirmed against the mill certificate at order stage. Cut lengths and bevelling can be arranged through our machining service.

DIMENSIONS AND WEIGHTS

NPS	DN	OD (MM)	WALL T (MM)	ID (MM)	MASS (KG/M)	PER 6 M (KG)
1/2"	15	21.3	3.73	13.8	1.64	9.9
3/4"	20	26.7	3.91	18.9	2.23	13.4
1"	25	33.4	4.55	24.3	3.29	19.7
1.1/4"	32	42.2	4.85	32.5	4.54	27.2
1.1/2"	40	48.3	5.08	38.1	5.50	33.0
2"	50	60.3	5.54	49.2	7.61	45.6
2.1/2"	65	73.0	7.01	59.0	11.60	69.6
3"	80	88.9	7.62	73.7	15.53	93.2
4"	100	114.3	8.56	97.2	22.69	136.1
5"	125	141.3	9.53	122.2	31.48	188.9
6"	150	168.3	10.97	146.4	43.27	259.6
8"	200	219.1	12.70	193.7	65.72	394.3
10"	250	273.0	15.09	242.8	97.57	585.4
12"	300	323.8	12.70	298.4	99.05	594.3

Outside diameters and wall thicknesses are the nominal values published in ASME B36.19M for schedules 40S and 80S, and ASME B36.10M for schedule 160. Masses are calculated for plain end pipe from the nominal OD and wall using a density of 7 980 kg/m³ and exclude coatings. The product page does not list a size selector, so the range shown is the standard commercially available range. Confirm stocked sizes at enquiry.

ORDERING INFORMATION

FIELD	OPTIONS
Product description	SS316 PIPE SCH.80 SMLS 6MTR
Size	1/2" to 12" NPS
Schedule	SCH 80
Material	Stainless steel 316 / 316L
Length	6 m standard. Cut lengths on request
Ends	Plain end standard. Bevelled or threaded on request
Order example	**SS316 PIPE SCH.80 SMLS 6MTR / 2" / SCH 80 / 6 M / PLAIN END**

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

- Dimensions to ASME B36.19M
- Material to ASTM A312 TP316 / TP316L
- Solution annealed, pickled and passivated
- Hydrostatic or eddy current tested at the mill
- EN 10204 3.1 mill test certificate on request

TYPICAL APPLICATIONS

- Chemical and petrochemical process lines
- Marine and offshore systems
- Food, beverage and pharmaceutical plant
- Desalination and water treatment
- Instrument and hydraulic tubing
- Corrosive and hygienic service

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

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

Sunel Wala Building Materials
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SALES ENQUIRIES

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Pipes and Tubes

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