

SS316 PIPE SCH.40 SMLS 6MTR

Schedule 40 · Seamless · Stainless Steel 316 · 6 Metre Length

SCHEDULE 40

SEAMLESS

SIZE 1/2" TO 12"

LENGTH 6 M



FIG. 1 | SS316 PIPE SCH.40 SMLS 6MTR

PRODUCT OVERVIEW

SS316 Pipe SCH.40 SMLS 6MTR is seamless stainless steel 316 pipe with a schedule 40S wall. With no weld seam there is no preferential corrosion path along the length, which matters in aggressive and hygienic service.

Schedule 40S is the general purpose wall for stainless process lines and matches standard stainless butt weld fittings and flanges. Grade 316 and 316L are both available, with 316L preferred where welding is extensive.

Product type	Seamless pipe
Material	Stainless steel 316 / 316L
Schedule	SCH 40
Size range	1/2" to 12" NPS
Length	6 m
Ends	Plain end, square cut

TECHNICAL SPECIFICATION

Dimensional standard	ASME B36.19M	Surface	Pickled and passivated
Material standard	ASTM A312	OD tolerance	Per the dimensional standard
Manufacturing process	Seamless	Wall tolerance	Minus 12.5% per the dimensional standard
Schedule	SCH 40	Testing	Hydrostatic or eddy current at mill
Standard length	6 m	Certification	EN 10204 3.1 on request
End finish	Plain end, bevel on request	Size range	1/2" to 12" NPS



PRODUCT DATA SHEET

SS316 PIPE SCH.40 SMLS 6MTR

Rev. 01

CONSTRUCTION AND MATERIAL

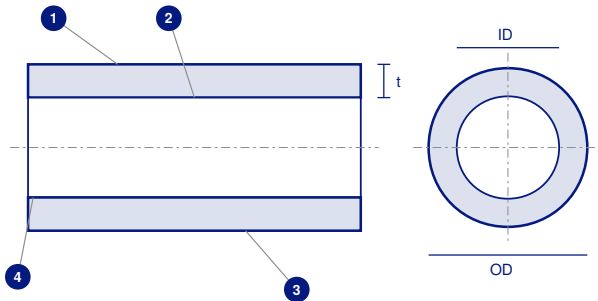


FIG. 2 | SECTIONAL ARRANGEMENT AND END VIEW

#	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	2.77	15.8	1.29	7.7
3/4"	20	26.7	2.87	21.0	1.71	10.3
1"	25	33.4	3.38	26.6	2.54	15.3
1.1/4"	32	42.2	3.56	35.1	3.45	20.7
1.1/2"	40	48.3	3.68	40.9	4.12	24.7
2"	50	60.3	3.91	52.5	5.53	33.2
2.1/2"	65	73.0	5.16	62.7	8.78	52.7
3"	80	88.9	5.49	77.9	11.48	68.9
4"	100	114.3	6.02	102.3	16.34	98.1
5"	125	141.3	6.55	128.2	22.13	132.8
6"	150	168.3	7.11	154.1	28.73	172.4
8"	200	219.1	8.18	202.7	43.25	259.5
10"	250	273.0	9.27	254.5	61.29	367.7
12"	300	323.8	9.53	304.7	75.08	450.5

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.



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ORDERING INFORMATION

FIELD	OPTIONS
Product description	SS316 PIPE SCH.40 SMLS 6MTR
Size	1/2" to 12" NPS
Schedule	SCH 40
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.40 SMLS 6MTR / 2" / SCH 40 / 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

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

- 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

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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Pipes and Tubes

The information in this data sheet is provided in good faith and is believed to be accurate at the date of issue. Dimensions, weights and ratings are nominal and may vary with the manufacturer and production batch. It remains the responsibility of the purchaser to confirm that the product is suitable for the intended service conditions. Sunel Wala Building Materials Trading Co. LLC reserves the right to amend specifications without prior notice. This document does not form part of any contract of sale.