

# SS316 PIPE SCH.40 ERW 6MTR

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

SCHEDULE 40

ERW

SIZE 1/2" TO 12"

LENGTH 6 M



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

## PRODUCT OVERVIEW

SS316 Pipe SCH.40 ERW 6MTR is welded stainless steel 316 pipe with a schedule 40S wall. Grade 316 contains molybdenum, which is what gives it the resistance to chlorides and pitting that 304 does not have.

Welded pipe is the economical choice for the many stainless applications that need corrosion resistance rather than high pressure. The pipe is solution annealed, pickled and passivated so the surface is clean and the weld zone is not left sensitised.

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

## TECHNICAL SPECIFICATION

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



## PRODUCT DATA SHEET

SS316 PIPE SCH.40 ERW 6MTR

Rev. 01

### CONSTRUCTION AND MATERIAL

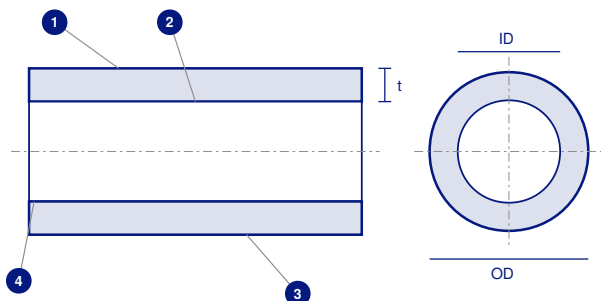


FIG. 2 | SECTIONAL ARRANGEMENT AND END VIEW

| # | ITEM                 | DETAIL                                     |
|---|----------------------|--------------------------------------------|
| 1 | Material             | Stainless steel 316 / 316L                 |
| 2 | Manufacture          | ERW                                        |
| 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/m<sup>3</sup> 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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Rev. 01

### ORDERING INFORMATION

| FIELD               | OPTIONS                                                           |
|---------------------|-------------------------------------------------------------------|
| Product description | SS316 PIPE SCH.40 ERW 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       | <b>SS316 PIPE SCH.40 ERW 6MTR / 2" / SCH 40 / 6 M / PLAIN END</b> |

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**  
Trading Co. LLC (SWBM)  
Dubai, United Arab Emirates

#### SALES ENQUIRIES

[info@swbm-fittings.com](mailto:info@swbm-fittings.com)  
Tel: +971 4 238 5652  
Mobile / WhatsApp: +971 50 748 1772

#### ONLINE

[www.swbm-fittings.com](http://www.swbm-fittings.com)  
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.