

MS PIPE SCH.40 ERW 6MTR

Schedule 40 · ERW · Mild Steel · 6 Metre Length

SCHEDULE 40

ERW

SIZE 1/2" TO 24"

LENGTH 6 M



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

PRODUCT OVERVIEW

MS Pipe SCH.40 ERW 6MTR is electric resistance welded mild steel pipe with a schedule 40 wall. ERW pipe is formed from strip and welded along a longitudinal seam, which gives consistent wall thickness and a lower cost than seamless for the same duty.

Schedule 40 is the general purpose wall for water, air and low to moderate pressure service, and it is the wall that standard butt weld fittings are matched to. Dimensions follow ASME B36.10M so the pipe fits directly with standard fittings and flanges.

Product type	Welded pipe
Material	Mild steel, ASTM A53 / A106
Schedule	SCH 40
Size range	1/2" to 24" NPS
Length	6 m
Ends	Plain end, square cut

TECHNICAL SPECIFICATION

Dimensional standard	ASME B36.10M	Surface	Black, mill finish
Material standard	ASTM A53 / A106	OD tolerance	Per the dimensional standard
Manufacturing process	ERW	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 24" NPS



CONSTRUCTION AND MATERIAL

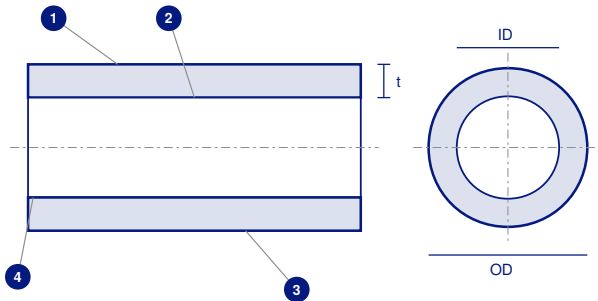


FIG. 2 | SECTIONAL ARRANGEMENT AND END VIEW

#	ITEM	DETAIL
1	Material	Mild steel, ASTM A53 / A106
2	Manufacture	ERW
3	Dimensional standard	ASME B36.10M
4	Length	6 m standard mill length
5	Ends	Plain end, square cut, bevelled on request
6	Surface	Black, mill finish, light varnish on request
7	Marking	Size, schedule, heat number, standard
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	1.27	7.6
3/4"	20	26.7	2.87	21.0	1.69	10.1
1"	25	33.4	3.38	26.6	2.50	15.0
1.1/4"	32	42.2	3.56	35.1	3.39	20.4
1.1/2"	40	48.3	3.68	40.9	4.05	24.3
2"	50	60.3	3.91	52.5	5.44	32.6
2.1/2"	65	73.0	5.16	62.7	8.63	51.8
3"	80	88.9	5.49	77.9	11.29	67.8
4"	100	114.3	6.02	102.3	16.08	96.5
5"	125	141.3	6.55	128.2	21.77	130.6
6"	150	168.3	7.11	154.1	28.26	169.6
8"	200	219.1	8.18	202.7	42.55	255.3
10"	250	273.0	9.27	254.5	60.29	361.8
12"	300	323.8	10.31	303.2	79.71	478.2
14"	350	355.6	11.13	333.3	94.55	567.3
16"	400	406.4	12.70	381.0	123.31	739.8
18"	450	457.2	14.27	428.7	155.88	935.3
20"	500	508.0	15.09	477.8	183.43	1100.6
24"	600	610.0	17.48	575.0	255.43	1532.6

Outside diameters and wall thicknesses are the nominal values published in ASME B36.10M. Masses are calculated for plain end pipe from the nominal OD and wall using a density of 7 850 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	MS PIPE SCH.40 ERW 6MTR
Size	1/2" to 24" NPS
Schedule	SCH 40
Material	Mild steel, ASTM A53 / A106
Length	6 m standard. Cut lengths on request
Ends	Plain end standard. Bevelled or threaded on request
Order example	MS PIPE SCH.40 ERW 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 B36.10M
- Material to ASTM A53 or ASTM A106 as specified
- Hydrostatic or eddy current tested at the mill
- EN 10204 3.1 mill test certificate on request
- Third party inspection can be arranged

HANDLING AND INSTALLATION

- Lift with slings, do not drag pipe over concrete or steel
- Cut square and remove all internal burr before welding
- Bevel to ASME B16.25 for butt welded joints
- Protect galvanising and coatings from weld spatter

TYPICAL APPLICATIONS

- Process and utility pipework
- Structural and support steelwork
- Firewater and cooling water mains
- Compressed air and steam distribution
- Oil and gas surface piping
- General fabrication

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

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