



Data Sheet for:

1/2" – 6" ASH0001 Seamless Steel Tube

1) Material Description

Hot finished seamless carbon steel tubes in accordance with ASTM A106 / API 5L - supplied to product specification level 1 (PSL 1), ASME A/SA 106 & EN10216-2 Grades B, X42 & P265GH (5" + 6" to API/ASTM 106 grade B only)

Material must comply with NACE MR 01-75, ISO15156-9, and NACE MR 0103 para 2.1. (All specifications to the latest edition)

2) Chemical Composition

The chemical composition shall comply with the requirements specified in the product specification.

C	0.20% max	Mn	1.06% max
Si	0.10% min / 0.40% max	P	0.025% max
S	0.01% max	Cr	0.30% max
Ni	0.30% max	Mo	0.08% max
Cu	0.50% max	V	0.20% max
Al	0.02% min	Ti	0.04% max
Nb	0.10% max	CEV	0.41% max (long formula)

3) Mechanical Properties

The mechanical properties shall comply with the superior grade, with the following restrictions:

Yield Strength:	MPa (min) 290
Tensile Strength:	MPa (min) 415

4) Visual Inspection and Appearance

- The tubes shall comply with the most restrictive requirements
- Pipes must be free from loose mill scale

5) Tolerances

The tolerances shall comply with the most restrictive requirements.

6) Lengths and End Finish

Tube lengths will be stated and are to be supplied as either: -

- Single Lengths (SRL): L = 6m +100/-0 mm
- Double Lengths (DRL): L = 12m +100/-0 mm
- Pipe ends are to be finished in accordance with API Specification 5L.
- Sizes 1 1/2" NB and below plain ends, square cut
- Sizes 2" NB and above shall be beveled 30 Degree with a tolerance of +5° -0°

7) Testing

The tubes shall be subject to the tests required by ASTM A106 / API Specification 5L, ASME A/SA 106 & EN10216-1.

The following shall be carried out as a minimum:

- Visual Inspection
- Dimensional testing/Inspection
- Tensile test
- Flattening test

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- e) Hydraulic test
- f) Bending test

8) Certification

The tubes shall be certified in accordance with ASTM A106 / API Specification 5L / ASME A/SA 106 & EN10216-2—Grades B, X42 PSL1 & P265GH as a minimum.

All test certificates carry a statement of conformance to:

NACE MR 01-75, ISO15156, and NACE MR 0103 (All specifications to the latest edition)

Certification as follows:

- A verified copy of the original EN 10204:2004 3.1 material/mechanical certificate, fully traceable to the source of manufacture, supplied in English.
- A copy of the manufacturer's ISO9001:2015 certificate.
- Certified in accordance with the requirements of the PED 97/23/EC Annex 1 para 4.3.

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**Ashworth, Mill Hill Street, Bolton, Greater Manchester, BL2 2AB,
Tel: 0161 967 0400**

Enquiries@Ashworth.uk.com

Technical.services@Ashworth.uk.com