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Technical Data Sheet

API 5CT Seamless Tubing – Grade H40

Product	Seamless steel tubing (oil country tubular goods) for oil and gas wells
Specification	API Spec 5CT, 11th Ed. / ISO 11960
Grade / Group	H40 / Group 1
Heat Treatment	As per API 5CT
Application	Low-strength tubing for shallow, low-pressure, non-sour wells.
End Finish	Plain end, non-upset (NUE), external upset (EUE) or integral joint, with API threads and couplings
Length (Range)	R1: 6.10–7.32 m | R2: 8.53–9.75 m | R3: 11.58–12.80 m

1. Chemical Composition (% by mass)

Element	Min (%)	Max (%)	Test Method
P – Phosphorus	–	0.030	ASTM E415 / E1019
S – Sulphur	–	0.030	ASTM E415 / E1019

Elements shown shall be reported in the product analysis. No other elements are specified for this grade.

2. Mechanical Properties

Property	Min	Max	Test Method
Yield Strength, MPa (ksi)	276 (40)	552 (80)	API 5CT / ASTM A370 (tensile test)
Tensile Strength, MPa (ksi)	414 (60)	–	API 5CT / ASTM A370 (tensile test)
Hardness	Not specified	–	ASTM E18 (Rockwell C)

3. Dimensions and Weights

OD, in (mm)	Nominal Weight, lb/ft (kg/m)	Wall (mm)	ID (mm)	Drift (mm)
2-3/8 (60.33)	4.6 / 4.7 (6.85 / 7.00)	4.83	50.67	48.28
2-7/8 (73.03)	6.4 / 6.5 (9.52 / 9.67)	5.51	62.00	59.61
3-1/2 (88.90)	9.2 / 9.3 (13.69 / 13.84)	6.45	76.00	72.82
3-1/2 (88.90)	10.2 (15.18)	7.34	74.22	71.04
4-1/2 (114.30)	12.6 / 12.75 (18.75 / 18.97)	6.88	100.53	97.36

Other sizes and weights per API 5CT on request. Tolerances per API 5CT: OD ±0.79 mm (below 114.30 mm), +1.0% / −0.5% (114.30 mm and above); wall thickness −12.5%. Dimensions verified per API 5CT; drift per API 5B.

4. Supply Details

Product Specification Level	PSL-1 (PSL-2 / PSL-3 on request)
Marking and Packing	Paint stencil and die-stamp marking per API 5CT; thread protectors fitted; bundled with steel strapping
Inspection and Documents	Mill test certificate (EN 10204 3.1) and third-party inspection on request

Disclaimer: Information is typical and based on the API 5CT specification; Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without notice. Buyers should confirm requirements against the purchase order and applicable standard before ordering.

Keywords: API 5CT H40 tubing, OCTG tubing, oil country tubular goods, seamless tubing, production tubing, EUE tubing, NUE tubing, Ochnology Solution Pvt. Ltd.