

Ferritic Piping Solutions

sales@ferropipe.com



Seamless Tubes

ASME SA 161 Grade C

CARBON STEEL

Seamless carbon steel pipe for atmospheric and lower temperatures

Material Description

ASME SA 161 Grade C Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with 0.10-0.20 % carbon content with combination of 0.30-0.80 % manganese. ASME SA 161 Grade C Carbon Steel Seamless Tubes are also known as Also known as mild steel pipes and tubes. ASME SA 161 Grade C Tubes are low-cost Tubes easy to form and shape. These pipes are manufactured as per ASME Specification and commercially referred as cs pipes or ms pipes. Low Carbon Steel Pipes are not as hard as high carbon steel pipes, though carburizing can increase its surface hardness.

Chemical Properties

Carbon	Silicon	Manganese	Phosphorous	Sulphur	Molybdenum	Nickel	Chromium	Copper	Other Elements
0.10-0.20	max 0.25	0.30-0.80	0.035	0.035	-	-	-	-	-

Mechanical Properties

Yield Stress (0.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
179	26	324	-	47	35

Production Programme

The diameter, tolerances and surface finish of component are the same as those stated for the full length tube.  
 Outer diameter: 6.25-1800mm Nominal Dia: 1/4"-72"  
 Schedule: 10 - XXS / Thk 1mm-150mm  
 Single random Lengths: 4-7 meters  
 Double random Lengths: 7-13 meters  
 Chamfering can be done at fixed lengths.  
 Pipes are externally varnished with black paint or Bare.  
 Hot deep Galvanised Pipes with threaded ends are provided.

Certifications

Pipes and Tubes manufactured as per ASME SA 161 Grade C are certified with En 10204 Type 3.1/3.2. IBR, NACE, HIC, IGC, IMPACT are adhered as supplementary testing requirements.

Product Marking

Each Pipe/tube is marked with tube type, heat number, steel grade and size. Other markings, such as stamping, can be made on request.

Reference Documents

A 530/A 530M, E29, B36.10

Related Keywords

Carbon Steel Tubing, Ferritic Steel Tubing, Carbon Steel Seamless Tubing, Asme Sa 161 Grade C Seamless Tubing, Sa 161 Tubing, Seamless Steel Tubing, Ferritic Carbon Steel Tubing, Asme Sa 161 Seamless Tubing

Equivalent Designation

European Standard	DIN Specification
-	-
ASME Specification ASME SA 161 Grade C	ASTM Specification ASTM A161 Grade C
British Standard	Japanese Standard
-	-

Pipes Make: ISMT, MSL, JSL, TATA, BHUSHAN, JINDAL, SUMITOMO, TENARIS, ARCELOR MITTAL

#4/217, Deccan Bank Bldg,  
 R. R. Roy Road,  
 Mumbai - 400 004,  
 Maharashtra, INDIA

India's Largest Stockist & Dealers of Carbon Steel Pipes & Alloy Steel Pipes

sales@ferropipe.com  
 00-91-22-66157017  
 www.FerroPipe.com  
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