

Ferritic Piping Solutions

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Seamless Tubes

DIN 17210 Grade C10

CARBON STEEL

Case hardening steel pipes and tubes

Material Description

DIN 17210 Grade C10 Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with 0.07-0.13 % carbon content with combination of 0.30-0.60 % manganese. DIN 17210 Grade C10 Carbon Steel Seamless Tubes are also known as Also known as mild steel pipes and tubes. DIN 17210 Grade C10 Tubes are low-cost Tubes easy to form and shape. These pipes are manufactured as per DIN 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
0.07-0.13	max 0.40	0.30-0.60	0.045	0.045	-	-	-	-	-

Mechanical Properties

Yield Stress (0.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
-	-	-	-	-	-

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 DIN 17210 Grade C10 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

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Related Keywords

Carbon Steel Tube, Ferritic Steel Tube, Carbon Steel Seamless Tube, Din 17210 Grade C10 Seamless Tube, C10 Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, Din 17210 Seamless Tube, Seamless Tube, Steel Tube

Equivalent Designation

European Standard EN Grade C10	DIN Specification DIN 17210 Grade C10
ASME Specification ASME SA 519 Grade 1008	ASTM Specification ASTM A519 Grade 1008
British Standard BS 970 : 1983 Grade 040 A 10	Japanese Standard -

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

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