Ferritic Piping Solutions

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FerroPipE

Seamless Tubes

DIN 17175 Grade St 45-8

CARBON STEEL

Seamless steel tubes for elevated temperatures

Material Description

DIN 17175 Grade St 45-8 Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with max 0.21 % carbon content with combination of 0.40-1.20 % manganese.DIN 17175 Grade St 45-8 Carbon Steel Seamless Tubes are also known as Also known as mild steel pipes and tubes.DIN 17175 Grade St 45-8 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 hig carbon steel pipes,Though carburizing can increase its surface hardness.

Chemical Properties

Carbon	Silicon	Manganese	Phosphorous	Sulphur	Molybdenum	Nickel	Chromium	Copper	Other Elements
max 0.21	0.10-0.35	0.40-1.20	0.04	0.04	-	-	-	-	-

Mechanical Properties

Yeild Stress (O.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
255	-	410	530	-	21

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 17175 Grade St 45-8 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 17175 Grade St 45-8 Seamless Tube, St 45-8 Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, Din 17175 Seamless Tube, Seamless Tube, Steel Tube

Equivalent Designation

European Standard -	DIN Specification DIN 17175 Grade St 45-8
ASME Specification ASME A106 Grade Grade B	ASTM Specification ASTM A106 Grade Grade B
British Standard BS 3059-2 Grade 440	Japanese Standard -

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

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

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