

Ferritic Piping Solutions

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FerroPipe

Seamless Pipes and Tubes

EN 10084 Grade 16MnCr5

CARBON
STEEL

Case hardening steel pipes and tubes

Material Description

EN 10084 Grade 16MnCr5 Carbon Steel Seamless Pipes and Tubes are Low Carbon Steel Pipes and Tubes with 0.14-0.19 % carbon content with combination of 1.00-1.30 % manganese. EN 10084 Grade 16MnCr5 Carbon Steel Seamless Pipes and Tubes are also known as Also known as mild steel pipes and tubes. EN 10084 Grade 16MnCr5 Pipes and Tubes are low-cost Pipes and Tubes easy to form and shape. These pipes are manufactured as per EN 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
0.14-0.19	max 0.40	1.00-1.30	0.035	0.035	-	-	0.80-1.10	-	-

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 EN 10084 Grade 16MnCr5 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 Pipe And Tube, Ferritic Steel Pipe And Tube, Carbon Steel Seamless Pipe And Tube, En 10084 Grade 16MnCr5 Seamless Pipe And Tube, 16MnCr5 Pipe And Tube, Seamless Steel Pipe And Tube, Ferritic Carbon Steel Pipe And Tube, En 10084 Seamless Pipe And Tube, Seamless Pipe and Tube, Steel Pipe and Tube

Equivalent Designation

European Standard EN 10084 Grade 16MnCr5	DIN Specification DIN 17210 Grade 16MnCr5
ASME Specification -	ASTM Specification -
British Standard BS 970 : 1983 Grade 590 H 17	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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