Ferritic Piping Solutions

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FerroPipE

Seamless Tubes

PN-H 84023-7 Grade R45

CARBON STEEL

Steel for higher purposes steel tubes

Material Description

PN-H 84023-7 Grade R45 Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with 0.16 - 0.22 % carbon content with combination of 0.60 - 1.2 % manganese.PN-H 84023-7 Grade R45 Carbon Steel Seamless Tubes are also known as Also known as mild steel pipes and tubes.PN-H 84023-7 Grade R45 Tubes are low-cost Tubes easy to form and shape.These pipes are manufactured as per PN-H 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
0.16 - 0.2	0.12 - 0.35	0.60 - 1.2	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
-	-	-	-	-	-

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 PN-H 84023-7 Grade R45 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, Pn-H 84023-7 Grade R45 Seamless Tube, R45 Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, Pn-H 84023-7 Seamless Tube, Seamless Tube, Steel Tube

Equivalent Designation

European Standard -	DIN Specification -
ASME Specification -	ASTM Specification -
British Standard -	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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