Ferritic Piping Solutions

sales@ferropipe.com

FerroPipE

Seamless Tubes

DIN 2391-2 Grade St 45

CARBON STEEL

Seamless precision steel tubes

Material Description

DIN 2391-2 Grade St 45 Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with max 0.21 % carbon content with combination of min 0.40 % manganese.DIN 2391-2 Grade St 45 Carbon Steel Seamless Tubes are also known as Also known as mild steel pipes and tubes.DIN 2391-2 Grade St 45 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	max 0.35	min 0.40	0.025	0.025	-	-	-	-	-

Mechanical Properties

Yeild Stress (O.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
255	-	440	570	-	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 2391-2 Grade St 45 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 2391-2 Grade St 45 Seamless Tube, St 45 Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, Din 2391-2 Seamless Tube, Seamless Tube, Steel Tube

Equivalent Designation

European Standard EN 1.0408 Grade S255GT	DIN Specification DIN 2391-2 Grade St 45
ASME Specification -	ASTM Specification -
British Standard BS 6323 Grade CFS 4	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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