Ferritic Piping Solutions

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FerroPipE

Seamless Tubes

NFA 49-213 Grade TU 13CD4-04

CARBON STEEL

Seamless unalloyed and mo-cr-mo alloy steel tubes for high temperature service

Material Description

NFA 49-213 Grade TU 13CD4-04 Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with 0.08-0.20 % carbon content with combination of 0.30-0.80 % manganese.NFA 49-213 Grade TU 13CD4-04 Carbon Steel Seamless Tubes are also known as Also known as mild steel pipes and tubes.NFA 49-213 Grade TU 13CD4-04 Tubes are low-cost Tubes easy to form and shape.These pipes are manufactured as per NFA 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
0.08-0.20	0.05-0.40	0.30-0.80	0.035	0.035	0.41-0.69	max 0.30	0.65-1.15	max 0.25	Sn max 0.03

Mechanical Properties

Yeild Stress (O.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
290	-	440	590	-	22

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 NFA 49-213 Grade TU 13CD4-04 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, Nfa 49-213 Grade Tu 13Cd4-04 Seamless Tube, Tu 13Cd4-04 Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, Nfa 49-213 Seamless Tube, Seamless Tube, Steel Tube

Equivalent Designation

European Standard -	DIN Specification DIN 17175 Grade 13CrMo44
ASME Specification ASME SA 213 Grade T12	ASTM Specification ASTM A213 Grade T12
British Standard BS 3059-2 Grade 620-460	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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