

Ferritic Piping Solutions

sales@ferropipe.com

FerroPipe

Seamless Tubes

NFA 49-215 Grade TU 42BT

CARBON
STEEL

Seamless tubes for ferritic non alloy and alloy steel heat exchangers

Material Description

NFA 49-215 Grade TU 42BT Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with max 0.22 % carbon content with combination of max 1.15 % manganese. NFA 49-215 Grade TU 42BT Carbon Steel Seamless Tubes are also known as mild steel pipes and tubes. NFA 49-215 Grade TU 42BT 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 high carbon steel pipes. Though carburizing can increase its surface hardness.

Chemical Properties

Carbon	Silicon	Manganese	Phosphorous	Sulphur	Molybdenum	Nickel	Chromium	Copper	Other Elements
max 0.22	max 0.40	max 1.15	0.04	0.04	-	-	-	-	-

Mechanical Properties

Yield Stress (0.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
235	-	410	510	-	23

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 49-215 Grade TU 42BT 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 49-215 Grade TU 42BT Seamless Tube, TU 42BT Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, NFA 49-215 Seamless Tube, Seamless Tube, Steel Tube

Equivalent Designation

European Standard EN 10216-3 Grade P275NH	DIN Specification DIN 17179 Grade FGP 28 W
ASME Specification ASME SA 516 Grade 60	ASTM Specification ASTM A 516 Grade 60
British Standard -	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

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sales@ferropipe.com
00-91-22-66157017
www.FerroPipe.com
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