Ferritic Piping Solutions

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FerroPipE

Seamless Tubes

EN 10216-3 Grade P460NL1

ALLOY STEEL

Seamless fine grain steel steel tubes for pressure purpose

Material Description

EN 10216-3 Grade P460NL1 Alloy Steel Seamless Tubes are Carbon Steel Tubes with subsequent addition of chromium, molybdenum and sometimes vanadium are known as chrome moly Tubes.EN Specification alloy steel Tubes are used for high temperature service applications.Seamless Alloy Steel Tubes according to EN 10216-3 Grade P460NL1 are reheated and furnished in full annlealed,isothermal annealed or normalised quenched and tempered condition.EN 10216-3 Grade P460NL1 Alloy Steel Seamless Tubes have a typical chemistry with additions of max 0.30 Chromium and max 0.10 Molybdenum.Bearing minimum tensile strength of 560 Mpa and maximum tensile strength 730 Mpa, EN 10216-3 Grade P460NL1 Tubes have a minimum yield strength of 460 Mpa.

Chemical Properties

Carbon	Silicon	Manganese	Phosphorous	Sulphur	Molybdenum	Nickel	Chromium	Copper	Other Elements
max 0.20	max 0.60	1.00-1.70	0.025	0.008	max 0.10	max 0.80	max 0.30	max 0.70	V max 0.20

Mechanical Properties

Yeild Stress (O.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
460	-	560	730	-	19

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 10216-3 Grade P460NL1 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

Alloy Steel Tube, Chrome Moly Tube, Alloy Steel Seamless Tube, En 10216-3 Grade P460Nl1 Seamless Tube, P460Nl1 Tube, Seamless Steel Tube, Ferritic Alloy Steel Tube, En 10216-3 Seamless Tube, Seamless Tube, Steel Tube

Equivalent Designation

European Standard	DIN Specification
EN 10216-3 Grade P460NL1	DIN 17178/17179 Grade FGP 47 T
ASME Specification	**ASTM Specification**
ASME SA 381 Grade Y 65	ASTM A 381 Grade Y 65
British Standard	**Japanese Standard**
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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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