Ferritic Piping Solutions

sales@ferropipe.com

FerroPipE

Seamless Tubes

EN 10216-3 Grade P460N

ALLOY STEEL

Seamless fine grain steel steel tubes for pressure purpose

Material Description

EN 10216-3 Grade P460N 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 P460N are reheated and furnished in full annlealed,isothermal annealed or normalised quenched and tempered condition.EN 10216-3 Grade P460N 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 P460N 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	0.02	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 P460N 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 P460N Seamless Tube, P460N Tube, Seamless Steel Tube, Ferritic Alloy Steel Tube, En 10216-3 Seamless Tube, Seamless Tube, Steel Tube

Equivalent Designation

European Standard EN 10216-3 Grade P460N	DIN Specification DIN 17178/17179 Grade FGP 47
ASME Specification ASME SA 225 Grade C	ASTM Specification ASTM A 225 Grade C
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

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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