Ferritic Piping Solutions

sales@ferropipe.com

FerroPipE

Seamless Pipes

API 5L Grade L450

CARBON STEEL

Specification for line pipe

Material Description

API 5L Grade L450 Carbon Steel Seamless Pipes are carbon steel pipes, strictly manufactured as per API (AMERICAN PETROLEUM INSTITUTE) to meet the clients requirements.API 5L Grade L450 carbon steel pipes are provided with multiple end connections like non-Upset ends and External Upset Ends.Ferropipe provides these api pipes with all mandatory non-destructive testing inclusive of eddy current tests,hydro testing.We offer API 5L pipes with both galvanized and black finish in single random length i.e 4-7 metres and double random lengths i.e 7-13 metres.In General these api pipes are used to transit oil ,gas and petroleum distilleries.Ferropipe is exclusively engaged in stocking and manufacturing API 5L Grade L450 carbon steel Pipes with certifications confirming to EN 10204- 3.1/3.2 with third party inspection services approved by TUV,DNV,SGS,LLOYDS,EIL.API 5L Grade L450 Carbon Steel Seamless Pipes are used to convey oil,gas & water in petroleum & gas industries.API 5L Grade L450 pipes are available in seamless and welded types, commercially known as API 5L line pipes.

Chemical Properties

Carbon	Silicon	Manganese	Phosphorous	Sulphur	Molybdenum	Nickel	Chromium	Copper	Other Elements
max 0.28	-	max 1.40	0.03	0.03	-	-	-	-	Nb+Ti+V max 0.15

Mechanical Properties

Yeild Stress (O.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
450	65	535	-	78	-

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 API 5L Grade L450 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 Pipe, Ferritic Steel Pipe, Carbon Steel Seamless Pipe, Api 5L Grade L450 Seamless Pipe, L450 Pipe, Seamless Steel Pipe, Ferritic Carbon Steel Pipe, Api 5L Seamless Pipe, Seamless Pipe, Steel Pipe

Equivalent Designation

European Standard	DIN Specification
-	-
ASME Specification	ASTM Specification
-	-
British Standard	Japanese Standard
-	-

Pipes Make: ISMT, MSL, JSL, TATA, BHUSHAN, JINDAL, SUMITOMO, TENARIS, ARCELOR MITTAL

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