Ferritic Piping Solutions

sales@ferropipe.com

FerroPipE

Seamless Pipes

ASTM A53 Grade A

CARBON STEEL

Welded and seamless black and hot-dipped/zinc-coated steel pipes

Material Description

ASTM A53 Grade A Carbon Steel Seamless Pipes are Low Carbon Steel Pipes with 0.25 % carbon content with combination of 0.95 % manganese.ASTM A53 Grade A Carbon Steel Seamless Pipes are also known as Also known as mild steel pipes and tubes.ASTM A53 Grade A Pipes are low-cost Pipes easy to form and shape.These pipes are manufactured as per ASTM 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
0.25	-	0.95	0.05	0.045	0.15	0.4	0.4	0.4	V0.08

Mechanical Properties

Yeild Stress (O.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
-	205	30	330	-	48

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 ASTM A53 Grade A 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

A 90/A 90M,A 370,A 530/A 530M, A 700 ,A 751 ,A 865 ,B6 ,E 29,E 213,E 309,E 570,ASC X12,B1.20.1,B36.10,MIL-STD-129,MIL-STD-163,Fed. Std. No. 123 ,Fed. Std. No.183,API 5L

Related Keywords

Carbon Steel Pipe, Ferritic Steel Pipe, Carbon Steel Seamless Pipe, Astm A53 Grade A Seamless Pipe, A53 Pipe, Seamless Steel Pipe, Ferritic Carbon Steel Pipe, Astm A53 Seamless Pipe

Equivalent Designation

European Standard -	DIN Specification DIN 17175 Grade St 35-8
ASME Specification ASME SA 53 Grade A	ASTM Specification ASTM A53 Grade A
British Standard BS 3059 : Part 2 Grade 360	Japanese Standard JIS G 3454 Grade STPG 370

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

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