

Ferritic Piping Solutions

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Seamless Pipes

ASME SA 519 Grade 620-460

CARBON STEEL

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

Material Description

ASME SA 519 Grade 620-460 Carbon Steel Seamless Pipes are Low Carbon Steel Pipes with 0.10-0.15 % carbon content with combination of 0.40-0.70 % manganese. ASME SA 519 Grade 620-460 Carbon Steel Seamless Pipes are also known as Also known as mild steel pipes and tubes. ASME SA 519 Grade 620-460 Pipes are low-cost Pipes easy to form and shape. These pipes are manufactured as per ASME 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
0.10-0.15	0.10-0.35	0.40-0.70	0.035	0.035	0.45-0.65	-	0.70-1.10	-	Al max 0.020

Mechanical Properties

Yield Stress (0.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
180	-	460	610	-	22

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 ASME SA 519 Grade 620-460 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 370, E59, MIL-STD-129, MIL-STD-163 Steel, Fed. Std. No. 151

Related Keywords

Carbon Steel Pipe, Ferritic Steel Pipe, Carbon Steel Seamless Pipe, Asme Sa 519 Grade 620-460 Seamless Pipe, 620-460 Pipe, Seamless Steel Pipe, Ferritic Carbon Steel Pipe, Asme Sa 519 Seamless Pipe

Equivalent Designation

European Standard	DIN Specification
-	-
ASME Specification ASME SA 519 Grade 620-460	ASTM Specification ASTM A519 Grade 620-460
British Standard	Japanese Standard
-	-

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

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