

Ferritic Piping Solutions

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Seamless Tubes

ASME SA 192

CARBON STEEL

Seamless carbon steel boiler tubes for high pressure service

Material Description

ASME SA 192 Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with 0.06-0.18 % carbon content with combination of 0.27-0.63 % manganese. ASME SA 192 Carbon Steel Seamless Tubes are also known as mild steel pipes and tubes. ASME SA 192 Tubes are low-cost Tubes 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
0.06-0.18	max 0.25	0.27-0.63	0.035	0.035	-	-	-	-	-

Mechanical Properties

Yield Stress (0.2% Offset)		Tensile Strength			Elongation
min MPa	min MPa	min MPa	max MPa	min ksi	A5 min
180	-	325	-	47	35

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 192 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 450/A 450M

Related Keywords

Carbon Steel Tubing, Ferritic Steel Tubing, Carbon Steel Seamless Tubing, Asme Sa 192 Seamless Tubing, Sa 192 Tubing, Seamless Steel Tubing, Ferritic Carbon Steel Tubing, Asme Sa 192 Seamless Tubing

Equivalent Designation

European Standard EN P235GH Grade 10216-2	DIN Specification DIN 17175 Grade St 35.8
ASME Specification ASME SA 192	ASTM Specification ASTM A192
British Standard BS 3602 : Part 1 Grade 360	Japanese Standard JIS STPT370 Grade G3456

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

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