

Ferritic Piping Solutions

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Seamless Tubings

ASME SA 519 Grade 1022

CARBON STEEL

Seamless carbon and alloy steel mechanical tubing

Material Description

ASME SA 519 Grade 1022 Carbon Steel Seamless Tubings are Low Carbon Steel Tubings with 0.18-0.23 % carbon content with combination of 0.70-1.00 % manganese. ASME SA 519 Grade 1022 Carbon Steel Seamless Tubings are also known as Also known as mild steel pipes and tubes. ASME SA 519 Grade 1022 Tubings are low-cost Tubings 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 |
|-----------|---------|-----------|-------------|---------|------------|--------|----------|--------|----------------|
| 0.18-0.23 | - | 0.70-1.00 | 0.04 | 0.05 | - | - | - | - | - |

Mechanical Properties

| Yield Stress (0.2% Offset) | | Tensile Strength | | | Elongation |
|----------------------------|---------|------------------|---------|---------|------------|
| min MPa | min MPa | min MPa | max MPa | min ksi | A5 min |
| - | - | - | - | - | - |

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 1022 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. 138

Related Keywords

Carbon Steel Tubing, Ferritic Steel Tubing, Carbon Steel Seamless Tubing, Asme Sa 519 Grade 1022 Seamless Tubing, 1022 Tubing, Seamless Steel Tubing, Ferritic Carbon Steel Tubing, Asme Sa 519 Seamless Tubing

Equivalent Designation

| | |
|----------------------------------------------|--------------------------------------------|
| European Standard | DIN Specification |
| - | - |
| ASME Specification ASME SA 519 Grade 1022 | ASTM Specification ASTM A519 Grade 1022 |
| British Standard | Japanese Standard |
| - | JIS S22C Grade G 4051 |

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

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