Ferritic Piping Solutions

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FerroPipE

# Seamless Tubes

# DIN 17124 Grade EStE 355

CARBON STEEL

Seamless circular tubes of fine grain steel for engineering purposes

## Material Description

DIN 17124 Grade EStE 355 Carbon Steel Seamless Tubes are Low Carbon Steel Tubes with max 0.18 % carbon content with combination of 0.90-1.65 % manganese.DIN 17124 Grade EStE 355 Carbon Steel Seamless Tubes are also known as Also known as mild steel pipes and tubes.DIN 17124 Grade EStE 355 Tubes are low-cost Tubes easy to form and shape.These pipes are manufactured as per DIN 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 |
|---|---|---|---|---|---|---|---|---|---|
| max 0.18 | 0.10-0.50 | 0.90-1.65 | 0.025 | 0.015 | max 0.08 | max 0.30 | max 0.30 | max 0.20 | Al min 0.020 |

## Mechanical Properties

| Yeild Stress (O.2% Offset) | | Tensile Strength | | | Elongation |
|---|---|---|---|---|---|
| min MPa | min MPa | min MPa | max MPa | min ksi | A5 min |
| 355 | - | 490 | 630 | - | 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 DIN 17124 Grade EStE 355 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 Tube, Ferritic Steel Tube, Carbon Steel Seamless Tube, Din 17124 Grade Este 355 Seamless Tube, Este 355 Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, Din 17124 Seamless Tube, Seamless Tube, Steel Tube

## Equivalent Designation

| | |
|---|---|
| European Standard<br>- | DIN Specification<br>DIN 17124 Grade EStE 355 |
| ASME Specification<br>- | ASTM Specification<br>- |
| British Standard<br>- | Japanese Standard<br>- |

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

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