Ferritic Piping Solutions

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FerroPipE

# Seamless Tubes

# EN 10216-1 Grade P235TR2

ALLOY STEEL

Seamless steel tubes for pressure purpose

## Material Description

EN 10216-1 Grade P235TR2 Alloy Steel Seamless Tubes are Carbon Steel Tubes with subsequent addition of chromium, molybdenum and sometimes vanadium are known as chrome moly Tubes.EN Specification alloy steel Tubes are used for high temperature service applications.Seamless Alloy Steel Tubes according to EN 10216-1 Grade P235TR2 are reheated and furnished in full annlealed,isothermal annealed or normalised quenched and tempered condition.EN 10216-1 Grade P235TR2 Alloy Steel Seamless Tubes have a typical chemistry with additions of max 0.30 Chromium and max 0.30 Molybdenum.Bearing minimum tensile strength of 360 Mpa and maximum tensile strength 500 Mpa, EN 10216-1 Grade P235TR2 Tubes have a minimum yield strength of 235 Mpa.

## Chemical Properties

| Carbon | Silicon | Manganese | Phosphorous | Sulphur | Molybdenum | Nickel | Chromium | Copper | Other Elements |
|---|---|---|---|---|---|---|---|---|---|
| max 0.16 | max 1.20 | 0.025 | 0.015 | max 0.30 | max 0.30 | max 0.08 | max 0.30 | - | V max 0.02 |

## Mechanical Properties

| Yeild Stress (O.2% Offset) | | Tensile Strength | | | Elongation |
|---|---|---|---|---|---|
| min MPa | min MPa | min MPa | max MPa | min ksi | A5 min |
| 235 | - | 360 | 500 | - | 25 |

## 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 EN 10216-1 Grade P235TR2 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

Alloy Steel Tube, Chrome Moly Tube, Alloy Steel Seamless Tube, En 10216-1 Grade P235Tr2 Seamless Tube, P235Tr2 Tube, Seamless Steel Tube, Ferritic Alloy Steel Tube, En 10216-1 Seamless Tube, Seamless Tube, Steel Tube

## Equivalent Designation

| | |
|---|---|
| European Standard<br>EN 10216-1 Grade P235TR2 | DIN Specification<br>- |
| 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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India's Largest Stockist & Dealers of Carbon Steel Pipes & Alloy Steel Pipes

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