

## Ferritic Piping Solutions

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FerroPipe

## Seamless Tubes

## DIN 17204 Grade Cm55

CARBON  
STEEL

Seamless steel circular quenched and tempered tubes

## Material Description

DIN 17204 Grade Cm55 Carbon Steel Seamless Tubes are High Carbon Steel Tubes with 0.52-0.60 % carbon content with combination of 0.60-0.90 % manganese. DIN 17204 Grade Cm55 Carbon Steel Seamless Tubes are used for applications where spring action is a concern. DIN 17204 Grade Cm55 Tubes are strong Tubes and it holds shape memory very well. These Tubes are manufactured as per DIN Specification and commercially referred as carbon steel Tubes. High Carbon Steel Pipes hard as compared to low and medium carbon steel pipes, making it ideal for springs and wire.

## Chemical Properties

| Carbon    | Silicon  | Manganese | Phosphorous | Sulphur | Molybdenum | Nickel | Chromium | Copper | Other Elements |
|-----------|----------|-----------|-------------|---------|------------|--------|----------|--------|----------------|
| 0.52-0.60 | max 0.40 | 0.60-0.90 | 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     |
| 370                        | -       | 670              | 820     | -       | 14         |

## 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 17204 Grade Cm55 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 17204 Grade Cm55 Seamless Tube, Cm55 Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, Din 17204 Seamless Tube, Seamless Tube, Steel Tube

## Equivalent Designation

|                                            |                                           |
|--------------------------------------------|-------------------------------------------|
| European Standard<br>EN 10083-2 Grade C55R | DIN Specification<br>DIN 17204 Grade Cm55 |
| 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 &amp; Dealers of Carbon Steel Pipes &amp; Alloy Steel Pipes

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