

## Ferritic Piping Solutions

sales@ferropipe.com

FerroPipe

## Seamless Tubes

## EN 10297-1 Grade C60E

CARBON  
STEEL

Seamless circular steel tubes for mechanical and general engineering purpose

## Material Description

EN 10297-1 Grade C60E Carbon Steel Seamless Tubes are High Carbon Steel Tubes with 0.57-0.65 % carbon content with combination of 0.60-0.90 % manganese. EN 10297-1 Grade C60E Carbon Steel Seamless Tubes are used for applications where spring action is a concern. EN 10297-1 Grade C60E Tubes are strong Tubes and it holds shape memory very well. These Tubes are manufactured as per EN 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 |
|-----------|----------|-----------|-------------|---------|------------|--------|----------|--------|----------------|
| 0.57-0.65 | 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     |
| 390                        | -       | 710              | -       | -       | 10         |

## 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 10297-1 Grade C60E 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

-

## Related Keywords

Carbon Steel Tube, Ferritic Steel Tube, Carbon Steel Seamless Tube, EN 10297-1 Grade C60E Seamless Tube, C60E Tube, Seamless Steel Tube, Ferritic Carbon Steel Tube, EN 10297-1 Seamless Tube, Seamless Tube, Steel Tube

## Equivalent Designation

|                                                  |                                           |
|--------------------------------------------------|-------------------------------------------|
| European Standard<br>EN 10297-1 Grade C60E       | DIN Specification<br>DIN 17204 Grade C60  |
| ASME Specification<br>-                          | ASTM Specification<br>ASTM SAE Grade 1060 |
| British Standard<br>BS 970 : 1983 Grade 060 A 62 | Japanese Standard<br>-                    |

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

#4/217, Deccan Bank Bldg,  
R. R. Roy Road,  
Mumbai – 400 004.  
Maharashtra, INDIA

India's Largest Stockist &amp; Dealers of Carbon Steel Pipes &amp; Alloy Steel Pipes

sales@ferropipe.com  
00-91-22-66157017  
www.FerroPipe.com  
Copyright 2015 FerroPipe