

Material: BS 503 LT 60

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: BS 503 LT 60 Steel Castings for General Engineering Purposes

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Casting

| Chemical Composition | | |
|----------------------|------|---------------|
| Carbon | C % | 0.120 max. |
| Silicon | Si % | 0.600 max. |
| Manganese | Mn % | 0.800 max. |
| Phosphorus | P % | 0.030 max. |
| Sulphur | S % | 0.030 max. |
| Nickel | Ni % | 3.000 - 4.000 |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|--|
| As Cast or Annealing or Normalizing or Hardening and Tempering |

| Mechanical Properties | |
|-------------------------|-----------|
| Tensile Strength in Mpa | 460 min. |
| Yield Strength in Mpa | 280 min. |
| Elongation in % | 20 min. |
| Reduction of Area in % | - |
| Hardness in BHN | 134 - 187 |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|-----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| BL2 | BS | British | Casting |
| 2074/L3A | AS | Australia | Casting |
| 20 N12-M | AFNOR NF | France | Casting |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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