

Material: DIN 1.3401

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: DIN 1.3401 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 | | | Heat Treatment | |
|----------------------|------|-----------------|---|--|
| Carbon | C % | 1.100 - 1.300 | As Cast or Annealing or Normalizing or Hardening and Tempering | |
| Silicon | Si % | 0.300 - 0.500 | | |
| Manganese | Mn % | 12.000 - 13.000 | | |
| Phosphorus | P % | 0.100 max. | | |
| Sulphur | S % | 0.040 max. | | |
| Chromium | Cr % | 1.500 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 800 - 1000 Yield Strength in Mpa 350 min. Elongation in % 40 min. Reduction of Area in % - Hardness in BHN - Impact in Joule - | |
| - | - | - | | |
| - | - | - | | |
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| Cross Reference Table | | | |
|-----------------------|----------|-----------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| BW10 | BS | British | Casting |
| Z 120 M 12 M | AFNOR NF | France | Casting |
| 1.3802 | ONORM | Australia | Casting |
| 1.3802 | NBN | Belgium | Casting |
| 1.3802 | BDS | Bulgaria | Casting |
| GX120Mn13 | BDS | Bulgaria | Casting |
| GX120Mn13 | NBN | Belgium | Casting |

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