

Material: AS 2074/H2A

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Stainless Steel Alloys

Sub Group: AS 2074/H2A 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 % | 0.200 max. |
| Silicon | Si % | 1.000 max. |
| Manganese | Mn % | 0.300 - 0.700 |
| Phosphorus | P % | 0.040 max. |
| Sulphur | S % | 0.040 max. |
| Chromium | Cr % | 8.000 - 10.000 |
| Molybdenum | Mo % | 0.900 - 1.200 |
| Nickel | Ni % | 0.400 max. |
| Copper | Cu % | 0.300 max. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

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

| Mechanical Properties | |
|-------------------------|-----------|
| Tensile Strength in Mpa | 620 min. |
| Yield Strength in Mpa | 415 min. |
| Elongation in % | 13 min. |
| Reduction of Area in % | - |
| Hardness in BHN | 179 - 229 |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| B6 | BS | British | Casting |
| 629 | BS | British | Casting |
| B4 | BS | British | Casting |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

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