

Material: AISI 1015

Standard Specification for Steel Castings for General Engineering Purposes

Group: Ferrous Mild Steel Alloys

Sub Group: AISI 1015 Steel Castings for General Engineering Purposes

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

Grade Belongs to the Industry: *Casting*

Heat Treatment

| Mechanical Properties | |
|-------------------------|-----------|
| Tensile Strength in Mpa | 310 - 655 |
| Yield Strength in Mpa | 190 min. |
| Elongation in % | 5 min. |
| Reduction of Area in % | 40 - 50 |
| Hardness in BHN | 241 max. |
| Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| AW1 | BS | British | Casting |
| 1015 | SAE | USA | Casting |
| A 1040 1015 | ASTM | USA | Casting |
| A 108 Grade 1015 | ASTM | USA | Casting |
| A 29 1015 | ASTM | USA | Casting |
| A 510 1015 | ASTM | USA | Casting |
| A 512 Grade 1015 | ASTM | USA | Casting |

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