

Material: UNS D50950

Standard Specification for Alloy Steel Casting

Group: Ferrous Mild Steel Alloys

Sub Group: UNS D50950 Alloy steel casting

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

Grade Belongs to the Industry: Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|------------|---|----------|
| Phosphorus | P % | 0.050 max. | Annealing or Normalizing or Hardening + Tempering | |
| Sulphur | S % | 0.050 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | - |
| - | - | - | Yield Strength in Mpa | 655 min. |
| - | - | - | Elongation in % | - |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| A148 Grade 80-50 | ASTM | USA | Casting |
| A148 Grade 90-60 | ASTM | USA | Casting |
| A148 Grade 105-85 | ASTM | USA | Casting |
| A148 Grade 160-145 | ASTM | USA | Casting |
| A148 Grade 130-115 | ASTM | USA | Casting |
| Grade 135-125 | ASTM | USA | Casting |
| A148 Grade 115-95 | ASTM | USA | Casting |

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