

Standard Specification for Steel Castings, Austenitic Manganese

Sub Group: UNS J91340 Austenitic Manganese Steel Casting

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

Grade Belongs to the Industry: *Casting*

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|---------------|---|---|
| Carbon | C % | 1.050 - 1.350 | Annealing or Normalizing or Hardening + Tempering | |
| Silicon | Si % | 1.000 max. | | |
| Manganese | Mn % | 6.000 - 8.000 | | |
| Phosphorus | P % | 0.070 max. | | |
| Molybdenum | Mo % | 0.900 - 1.200 | | |
| Iron | Fe % | Balance | | |
| - | - | - | | |
| - | - | - | Mechanical Properties | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| - | - | - | | |
| | | | Tensile Strength in Mpa | - |
| | | | Yield Strength in Mpa | - |
| | | | Elongation in % | - |
| | | | Reduction of Area in % | - |
| | | | Hardness in BHN | - |
| | | | Impact in Joule | - |

[illegible]

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