



Material - STAS T 100 NiMn 130

Standard Specification for Steel Castings, Austenitic Manganese

Group - Ferrous Austenitic Manganese Steel Alloy

Sub Group - STAS T 100 NiMn 130 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 % | 0.700 - 1.300 | Annealing or Normalising or Hardening + Tempering | |
| Silicon | Si % | 1.000 max. | | |
| Manganese | Mn % | 11.500 - 14.000 | | |
| Phosphorus | P % | 0.070 max. | | |
| Sulphur | S % | 0.050 max. | | |
| Nickel | Ni % | 3.000 - 4.000 | | |
| 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 | - |

| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| J91459 | UNS | USA | Casting |
| A128 Grade D | ASTM | USA | Casting |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |
| - | - | - | - |

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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