

Material: UNI G X 50 NiCr 35-25

Standard Specification for Stainless Steel and Alloy Sand Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: UNI G X 50 NiCr 35-25 Stainless Steel and Alloy Sand Castings

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

Grade Belongs to the Industry: Casting

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|-------------------------|----------|
| Carbon | C % | 0.300 - 0.700 | As - Cast | |
| Silicon | Si % | 2.500 max. | | |
| Manganese | Mn % | 2.000 max. | | |
| Phosphorus | P % | 0.040 max. | | |
| Sulphur | S % | 0.035 max. | | |
| Chromium | Cr % | 23.000 - 27.000 | | |
| Molybdenum | Mo % | 0.500 max. | | |
| Nickel | Ni % | 33.000 - 37.000 | | |
| Iron | Fe % | Balance | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 440 min. |
| - | - | - | 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 |
| 1.4857 | DIN | Germany | Casting |
| G X 40 NiCrSi 35-25 | DIN | Germany | Casting |
| 40 NiCrSi 35-25 | MSZ | Hungary | Casting |
| N08705 | UNS | USA | Casting |
| SCH 24 | JIS | Japan | Casting |
| A297 Grade HP | ASTM | USA | Casting |
| - | - | - | - |

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