

Material: UNI G X 40 CrNi 26-20

Standard Specification for Austenitic Stainless Steel Heat Resisting Steel and Alloy Sand Castings

Group: Ferrous Stainless Steel Alloys

Sub Group: UNI G X 40 CrNi 26-20 Austenitic Stainless Steel Heat Resisting 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 % | 0.200 - 0.600 | As - Cast | |
| Silicon | Si % | 2.500 max. | | |
| Manganese | Mn % | 2.000 max. | | |
| Phosphorus | P % | 0.040 max. | | |
| Sulphur | S % | 0.035 max. | | |
| Chromium | Cr % | 24.000 - 28.000 | | |
| Nickel | Ni % | 18.000 - 22.000 | | |
| Molybdenum | Mo % | 0.500 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 440 min. |
| - | - | - | Yield Strength in Mpa | 240 min. |
| - | - | - | Elongation in % | 10 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| 310C40 | BS | British | Casting |
| 1.4848 | DIN | Germany | Casting |
| J94224 | UNS | USA | Casting |
| 422952 | CSN | Czech Republic | Casting |
| 40 CrNiSi 25-20 | MSZ | Hungary | Casting |
| 393 G X 40 CrNi 25-20 | SFS | Finland | Casting |
| A297 Grade HK | ASTM | USA | Casting |

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