

## Material: DIN 2.4367

### Standard Specification for Nickel and Nickel-Copper Alloy Casting

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN 2.4367 Nickel and Nickel-Copper Alloy Casting

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

**Grade Belongs to the Industry:** Casting

| Chemical Composition |           |                 |
|----------------------|-----------|-----------------|
| Carbon               | C %       | 0.250 max.      |
| Silicon              | Si %      | 2.700 - 3.700   |
| Magnesium            | Mg %      | 0.120 max.      |
| Copper               | Cu %      | 27.000 - 33.000 |
| Iron                 | Fe %      | 1.000 - 2.500   |
| Aluminium            | Al %      | 0.500 - 1.500   |
| sulphur              | S %       | 0.010 max.      |
| Lead                 | Pb %      | 0.010 max.      |
| Titanium             | Ti %      | 0.200 max.      |
| Other                | Ot%       | 1.000 max.      |
| Ni + Co              | Ni% + Co% | 61.000 - 68.000 |
| -                    | -         | -               |
| -                    | -         | -               |
| -                    | -         | -               |
| -                    | -         | -               |

| Heat Treatment                       |
|--------------------------------------|
| As-Cast or Annealing or Age Hardning |

| Mechanical Properties   |          |
|-------------------------|----------|
| Tensile Strength in Mpa | 650 min. |
| Yield Strength in Mpa   | 350 min. |
| Elongation in %         | 10 min.  |
| Reduction of Area in %  | -        |
| Hardness in HB          | 220 min. |
| Impact in Joule         | -        |

| Cross Reference Table |          |         |                              |
|-----------------------|----------|---------|------------------------------|
| Material              | Standard | Country | Grade Belong to the Industry |
| G-NiCu30Si3           | DIN      | Germany | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |

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