

## Material: DIN 2.4122

### Standard Specification for Nickel and Nickel Alloy Castings

**Group:** Non-Ferrous Nickel Alloys

**Sub Group:** DIN 2.4122 Nickel and Nickel Alloy Castings

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

**Grade Belongs to the Industry:** Casting

| Chemical Composition |      |               |
|----------------------|------|---------------|
| Carbon               | C %  | 0.050 max.    |
| Silicon              | Si % | 1.000 - 2.000 |
| Manganese            | Mn % | 1.000 - 3.000 |
| Copper               | Cu % | 0.100 max.    |
| Iron                 | Fe % | 0.300 max.    |
| Magnesium            | Mg % | 0.150 max.    |
| Sulphur              | S %  | 0.010 max.    |
| Aluminium            | Al % | 1.000 - 2.000 |
| Nickel               | Ni % | 94.000 min.   |
| -                    | -    | -             |
| -                    | -    | -             |
| -                    | -    | -             |
| -                    | -    | -             |
| -                    | -    | -             |
| -                    | -    | -             |

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

| 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 |
| NiMn3Al               | DIN      | Germany | Casting                      |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |
| -                     | -        | -       | -                            |

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