GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - DIN G-NiCu30Nb

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

**Group - Non-Ferrous Nickel Alloys**

**Sub Group - DIN G-NiCu30Nb 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 % | 0.150 max. |
| Silicon | Si % | 0.500 - 1.500 |
| Manganese | Mn % | 0.500 - 1.500 |
| Copper | Cu % | 26.000 - 33.000 |
| Iron | Fe % | 1.000 - 2.500 |
| Aluminium | Al % | 0.500 max. |
| Magnesium | Mg % | 0.120 max. |
| sulphur | S % | 0.010 max. |
| Titanium | Ti % | 0.200 max. |
| Niobium | Nb % | 1.000 - 1.500 |
| Lead | Pb % | 0.010 max. |
| Other | Ot% | 1.000 max. |
| Ni + Co | Ni% + Co% | 62.000 - 68.000 |
| - | - | - |
| - | - | - |

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

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 450 min. |
| Yield Strength in Mpa | 220 min. |
| Elongation in % | 25 min. |
| Reduction of Area in % | - |
| Hardness in BHN | 120 min. |
| Impact in Joule | - |

| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| 2.4365 | DIN | Germany | Casting |
| - | - | - | - |
| - | - | - | - |
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**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com**