



**GRAVITY CAST PVT. LTD.**  
GRAVITY GROUP OF COMPANIES

## Material - DIN G-NiCu30Si4

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

**Group - Non-Ferrous Nickel Alloys**

**Sub Group - DIN G-NiCu30Si4 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			Heat Treatment															
Carbon	C %	0.250 max.	As-Cast or Annealing or Age Hardning															
Silicon	Si %	3.500 - 4.500																
Manganese	Mn %	0.500 - 1.500																
Copper	Cu %	27.000 - 31.000																
Iron	Fe %	1.000 - 2.500																
Aluminium	Al %	0.500 max.																
Magnesium	Mg %	0.120 max.																
sulphur	S %	0.010 max.																
Phosphorus	P %	0.010 max.																
Titanium	Ti %	0.200 max.																
Other	Ot%	1.000 max.	<table border="1"> <thead> <tr> <th colspan="2">Mechanical Properties</th> </tr> </thead> <tbody> <tr> <td>Tensile Strength in Mpa</td> <td>750 min.</td> </tr> <tr> <td>Yield Strength in Mpa</td> <td>500 min.</td> </tr> <tr> <td>Elongation in %</td> <td>1 min.</td> </tr> <tr> <td>Reduction of Area in %</td> <td>-</td> </tr> <tr> <td>Hardness in HB</td> <td>260 min.</td> </tr> <tr> <td>Impact in Joule</td> <td>-</td> </tr> </tbody> </table>		Mechanical Properties		Tensile Strength in Mpa	750 min.	Yield Strength in Mpa	500 min.	Elongation in %	1 min.	Reduction of Area in %	-	Hardness in HB	260 min.	Impact in Joule	-
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Hardness in HB	260 min.																	
Impact in Joule	-																	
Ni + Co	Ni% + Co%	61.000 - 68.000																
-	-	-																
-	-	-																
-	-	-																
-	-	-																

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.4368	DIN	Germany	Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

**ONE STOP SOLUTION FOR METAL PARTS**