



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN 2.4634

Standard Specification for Nickel and Nickel Alloy Casting

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4634 Nickel and Nickel 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 %	0.120 - 0.170	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 max.		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	14.000 - 15.700		
Aluminium	Al %	4.500 - 4.900		
Copper	Cu %	0.200 max.		
Cobalt	Co %	18.000 - 22.000		
Boron	B %	0.003 - 0.010		
Iron	Fe %	1.000 max.		
Molybdenum	Mo %	4.500 - 5.500		
Phosphorus	P %	0.045 max.	Mechanical Properties	
Sulphur	S %	0.015 max.	Tensile Strength in Mpa	986 min.
Titanium	Ti %	0.900 - 1.500	Yield Strength in Mpa	800 min.
Zirconium	Zr %	0.150 max.	Elongation in %	7 min.
Nickel	Ni %	Balance	Reduction of Area in %	7 min.
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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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

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