



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

## Material - DIN 2.4663

### Standard Specification for Strips and Sheets of Nickel and Nickel Alloys

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4663 Strips and Sheets of Nickel and Nickel Alloys

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

Grade Belongs to the Industry - Strip and Sheet

Chemical Composition			Heat Treatment	
Carbon	C %	0.050 - 0.100	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.200 max.		
Manganese	Mn %	0.200 max.		
Chromium	Cr %	20.000 - 23.000		
Cobalt	Co %	11.000 - 14.000		
Copper	Cu %	0.500 max.		
Molybdenum	Mo %	8.500 - 10.000		
Aluminium	Al %	0.700 - 1.400		
Boron	B %	0.006 max.		
Iron	Fe %	2.000 max.		
Phosphorus	P %	0.010 max.	<b>Mechanical Properties</b> Tensile Strength in Mpa      680 - 1000 Yield Strength in Mpa      330 min. Elongation in %      20 min. Reduction of Area in %      - Hardness in HB      250 min. Impact in Joule      80 @RT	
Sulphur	S %	0.010 max.		
Titanium	Ti %	0.200 - 0.600		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiCr23Co12Mo	DIN	Germany	Strip and Sheet
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

**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**