



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN 2.4600

Standard Specification for Nickel and Nickel-Iron Alloy Casting

Group - Non-Ferrous Nickel Alloys

Sub Group - DIN 2.4600 Nickel and Nickel-Iron Alloy Casting

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

Grade Belongs to the Industry - Casting

Chemical Composition			Chemical Composition		
Carbon	C %	0.010 max.	Nickel	Ni %	65.000 min.
Silicon	Si %	0.100 max.	-	-	-
Manganese	Mn %	3.000 max.	-	-	-
Iron	Fe %	1.000 - 6.000	-	-	-
Molybdenum	Mo %	26.000 - 32.000	-	-	-
Aluminium	Al %	0.100 - 0.500	Heat Treatment		
Cobalt	Co %	3.000 max.	As-Cast or Annealing or Age Hardning		
Chromium	Cr %	0.500 - 3.000	Mechanical Properties		
Copper	Cu %	0.500 max.	Tensile Strength in Mpa	700 - 1000	
Phosphorus	P %	0.025 max.	Yield Strength in Mpa	325 min.	
Sulphur	S %	0.015 max.	Elongation in %	35 min.	
Titanium	Ti %	0.200 max.	Reduction of Area in %	-	
Vanadium	V %	0.200 max.	Hardness in BHN	250 max.	
Tungsten	W %	3.000 max.	Impact in Joule	-	
Nb + Ta	Nb% + Ta%	0.400 max.			

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
NiMo29Cr	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

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.

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