



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

## Material - Gravity Inconel 617

### Standard Specification for Rolled Alloys, Product Data Sheets

Group - Non-Ferrous Nickel Alloys

Sub Group - Gravity Inconel 617 Rolled Alloys, Product Data Sheets

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

Grade Belongs to the Industry - Plate, Sheet and Strip

Chemical Composition			Heat Treatment	
Carbon	C %	0.080 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.030 max.		
Manganese	Mn %	0.050 max.		
Chromium	Cr %	22.000 max.		
Aluminium	Al %	1.000 max.		
Cobalt	Co %	12.500 max.		
Iron	Fe %	1.500 max.		
Molybdenum	Mo %	9.000 max.		
Titanium	Ti %	0.400 mix		
Nickel	Ni %	54.000 max.		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      655 min. Yield Strength in Mpa      241 min. Elongation in %      35 min. Reduction of Area in %      - Hardness in BHN      - Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Nicrofer 5520 Co	Gravity	India	Plate, Sheet and Strip
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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](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**