



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

## Material - IS S-Ni6

### Standard Specification for Specification for Nickel and Nickel Alloy Bar Solid Rods and Electrodes

Group - Non-Ferrous Nickel Alloys

Sub Group - IS S-Ni6 Specification for Nickel and Nickel Alloy Bar Solid Rods and Electrodes

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

Grade Belongs to the Industry - Bar and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.070 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	0.500 max.		
Manganese	Mn %	0.500 max.		
Chromium	Cr %	16.000 - 20.000		
Sulphur	S %	0.015 max.		
Molybdenum	Mo %	5.000 - 9.000		
Aluminium	Al %	1.700 - 2.500		
Boron	B %	0.005 max.		
Copper	Cu %	0.200 max.		
Cobalt	Co %	12.000 - 16.000		
Titanium	Ti %	1.500 - 3.000		
Zirconium	Zr %	0.060 max.		
Iron	Fe %	1.000 max.		
Nickel	Ni %	Balance		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
Nimonic Alloy PK33	Gravity	India	Pipe, Tube, Sheet, Strip, Plate, Hexagon and Wire
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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**