



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

## Material - ASTM B 344 Ni35-Cr20

Standard Specification for Drawn or Rolled Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating Elements

Group - Non-Ferrous Nickel Alloys

Sub Group - ASTM B 344 Ni35-Cr20 Drawn or Rolled Nickel-Chromium and Nickel-Chromium-Iron Alloys for Electrical Heating Elements

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

Grade Belongs to the Industry - Wire & Strip with Hot & Cold Rolled

Chemical Composition			Heat Treatment	
Carbon	C %	0.150 max.	As-Cast or Annealing or Age Hardning	
Silicon	Si %	1.000 - 3.000		
Manganese	Mn %	1.000 max.		
Chromium	Cr %	18.000 - 21.000		
Sulphur	S %	0.010 max.		
Nickel	Ni %	34.000 - 37.000		
Iron	Fe %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa - Yield Strength in Mpa - Elongation in % 10 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
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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**