



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

## Material - IS 10757 CuNi18Zn20

### Standard Specification for Nickel Silver Rods and Bars

Group - Non-Ferrous Copper Alloy

Sub Group - IS 10757 Nickel Silver Rods and Bars

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

Grade Belongs to the Industry - Rod and Bar

Chemical Composition			Heat Treatment	
Lead	Pb %	0.030 max.	Hardening or Annealing	
Iron	Fe %	0.300 max.		
Manganese	Mn %	0.700 max.		
Nickel	Ni %	17.000 - 19.000		
Other	Ot%	0.300 max.		
Copper	Cu %	60.000 - 64.000		
Zinc	Zn %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      415 min. Yield Strength in Mpa      - Elongation in %      8 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
P-CuNi18Zn20	UNI	Italy	Rod and Bar
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-	-	-	-
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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**