

# 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		
Lead	Pb %	0.030 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
Hardening or Annealing

Mechanical Properties	
Tensile Strength in Mpa	415 min.
Yield Strength in Mpa	-
Elongation in %	8 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
P-CuNi18Zn20	UNI	Italy	Rod and Bar
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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