



Material - DIN CuNi 18 Zn 19 Pb

Standard Specification for Copper-Nickel-Zinc Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - DIN CuNi 18 Zn 19 Pb Copper-Nickel-Zinc Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Iron	Fe %	0.300 max.	As Raw or Solution Heat Treated	
Manganese	Mn %	0.700 max.		
Nickel	Ni %	17.000 - 19.000		
Lead	Pb %	0.300 - 1.500		
Tin	Sn %	0.200 max.		
Other	Ot %	0.100 max.		
Copper	Cu %	59.000 - 63.000		
Zinc	Zn %	Balance		
-	-	-	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	430 - 530
-	-	-	Yield Strength in Mpa	290 min.
-	-	-	Elongation in %	6 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	160 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi18Zn19Pb1	DIN	Germany	Rod
Ns6218Pb	DIN	Germany	Rod
C 7941 B	JIS	Japan	Rod, Bar and Wire
MZN181	PN	Poland	Rod
NS 113	BS	British	Plate
CuNi18Zn19Pb1	UNI	Italy	Rod
CW408J	UNI	Italy	Rod

Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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