

# 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		
Iron	Fe %	0.300 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

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

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