

## Material: JIS C 7941 B

### Standard Specification for Copper Beryllium Alloy, Phosphor Bronze and Nickel Silver Rod, Bar and Wire

**Group:** Non Ferrous Copper Alloys

**Sub Group:** JIS C 7941 B Copper Beryllium Alloy, Phosphor Bronze and Nickel Silver Rod, Bar and Wire

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

**Grade Belongs to the Industry:** Rod, Bar and Wire

Chemical Composition		
Iron	Fe %	0.250 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	16.500 - 19.500
Lead	Pb %	0.800 - 1.800
Copper	Cu %	60.000 - 64.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As Raw or Solution Heat Treated	

Mechanical Properties	
Tensile Strength in Mpa	410 - 685
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HV	110 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuNi18Zn19Pb1	DIN	Germany	Rod
CuNi 18 Zn 19 Pb	DIN	Germany	Rod
Ns6218Pb	DIN	Germany	Rod
MZN181	PN	Poland	Rod
NS 113	BS	British	Plate
CuNi18Zn19Pb1	UNI	Italy	Rod
CW408J	UNI	Italy	Rod

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