



## Material - DIN CuZn40MnPb

### Standard Specification for Copper and Copper Zinc Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - DIN CuZn40MnPb Copper and Copper Zinc Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.600 max.	As Raw or Solution Heat Treated	
Iron	Fe %	0.500 max.		
Manganese	Mn %	0.400 - 1.800		
Nickel	Ni %	1.000 max.		
Lead	Pb %	1.000 - 2.000		
Silicon	Si %	0.400 max.		
Tin	Sn %	0.500 max.		
Other	Ot %	0.500 max.		
Copper	Cu %	57.000 - 59.000	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	390 min.
-	-	-	Yield Strength in Mpa	150 min.
-	-	-	Elongation in %	12 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	95 - 140
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn40Mn1Pb1	DIN	Germany	Rod
2.058	DIN	Germany	Rod
CuZn40Mn1Pb	DIN	Germany	Rod
SoMs58Pb	DIN	Germany	Rod
CU6	EN	European Union	Rod, Bolt, Screw, Stud and Nut
CuZn40Mn1Pb1	UNI	Italy	Rod
C37710	UNS	USA	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](mailto:marketing@gravitycastindia.com)**

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