



**GRAVITY CAST PVT. LTD.**  
**GRAVITY GROUP OF COMPANIES**

## Material - EN CU6

**Standard Specification for Copper and Copper Zinc Alloy Rod, Bolt, Screw, Stud and Nut**

**Group - Non Ferrous Copper Alloys**

**Sub Group - EN CU6 Copper and Copper Zinc Alloy Rod, Bolt, Screw, Stud and Nut**

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

**Grade Belongs to the Industry - Rod, Bolt, Screw, Stud and Nut**

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.200 max.	As Raw or Solution Heat Treated	
Iron	Fe %	0.300 max.		
Manganese	Mn %	0.500 - 1.500		
Nickel	Ni %	0.600 max.		
Lead	Pb %	1.000 - 2.000		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.300 max.		
Other	Ot %	0.300 max.		
Copper	Cu %	57.000 - 59.000	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	440 min.
-	-	-	Yield Strength in Mpa	180 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	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
CuZn40MnPb	DIN	Germany	Rod
SoMs58Pb	DIN	Germany	Rod
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)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.

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