

## Material: JIS C 3712 BE

### Standard Specification for Copper and Copper Alloy Rod for Free Machining Purpose

**Group:** Non Ferrous Copper Alloys

**Sub Group:** JIS C 3712 BE Copper and Copper Alloy Rod for Free Machining Purpose

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

**Grade Belongs to the Industry:** Rod

Chemical Composition			Heat Treatment			
Arsenic	As %	0.020 max.	As Raw or Solution Heat Treated			
Fe + Sn	Fe% + Sn%	0.800 max.				
Nickel	Ni %	0.200 max.				
Lead	Pb %	0.250 - 1.200				
Copper	Cu %	58.000 - 62.000				
Zinc	Zn %	Balance				
-	-	-				
-	-	-	<b>Mechanical Properties</b>			
-	-	-			Tensile Strength in Mpa	315 min.
-	-	-			Yield Strength in Mpa	-
-	-	-			Elongation in %	15 min.
-	-	-			Reduction of Area in %	-
-	-	-			Hardness in BHN	-
-	-	-			Impact in Joule	-
-	-	-				
-	-	-				
-	-	-				

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn39Pb0.5	DIN	Germany	Rod
5163	SS	Sweden	Rod
C 2800 W	JIS	Japan	Rod
C 3710 R	JIS	Japan	Rod
C 3712 BD	JIS	Japan	Rod
C 3712 BF	JIS	Japan	Rod
C 4640 P	JIS	Japan	Rod

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Customer Care: +91-99090 45075 Email: [info@icastllp.com](mailto:info@icastllp.com)