

## Material: JIS C 3771 BE

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

**Group:** Non Ferrous Copper Alloys

**Sub Group:** JIS C 3771 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%	1.000 max.				
Nickel	Ni %	0.200 max.				
Lead	Pb %	1.000 - 2.500				
Copper	Cu %	57.000 - 61.000				
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 CuZn38Pb2	DIN	Germany	Rod
C 3560 P	JIS	Japan	Rod
C 3603 W	JIS	Japan	Rod
C 3771 BD	JIS	Japan	Rod
C 3771 BF	JIS	Japan	Rod
CuZn38Pb2	AFNOR NF	France	Rod
CW608N	AFNOR NF	France	Rod

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