

## Material: JIS C 3710 R

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

**Group:** Non Ferrous Copper Alloys

**Sub Group:** JIS C 3710 R 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	
Iron	Fe %	0.100 max.	As Raw or Solution Heat Treated	
Lead	Pb %	0.600 - 1.200		
Copper	Cu %	58.000 - 62.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	375 - 510
-	-	-	Yield Strength in Mpa	-
-	-	-	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
EN 12164 CuZn39Pb0.5	DIN	Germany	Rod
5163	SS	Sweden	Rod
C 2800 W	JIS	Japan	Rod
C 3712 BD	JIS	Japan	Rod
C 3712 BE	JIS	Japan	Rod
C 3712 BF	JIS	Japan	Rod
C 4640 P	JIS	Japan	Rod

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