

Material: JIS C 3712 BD

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

Group: Non Ferrous Copper Alloys

Sub Group: JIS C 3712 BD 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		
-	-	-		
-	-	-	Mechanical Properties 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 BE	JIS	Japan	Rod
C 3712 BF	JIS	Japan	Rod
C 4640 P	JIS	Japan	Rod

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com