

Material: JIS C 3712 BF

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

Group: Non Ferrous Copper Alloys

Sub Group: JIS C 3712 BF 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		
Arsenic	As %	0.020 max.
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
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

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 BD	JIS	Japan	Rod
C 3712 BE	JIS	Japan	Rod
C 4640 P	JIS	Japan	Rod

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