

Material: DIN CuSi 3 Mn

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

Group: Non Ferrous Copper Alloys

Sub Group: DIN CuSi 3 Mn 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	
Phosphorus	P %	0.003 - 0.012	As Raw or Solution Heat Treated	
Sulphur	S %	0.200 - 0.700		
Other	Ot %	0.100 max.		
Copper	Cu %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
-	-	-	Tensile Strength in Mpa	340 - 600
-	-	-	Yield Strength in Mpa	100 min.
-	-	-	Elongation in %	5 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	75 - 180
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuSP	DIN	Germany	Rod
2.1525	DIN	Germany	Rod
SB-Cu	DIN	Germany	Rod
CuS	PN	Poland	Rod
MI	PN	Poland	Rod
CuSP	BS	British	Rod
CW114C	BS	British	Rod

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