

# Material: DIN 2.0371

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

**Group:** Non Ferrous Copper Alloys

**Sub Group:** DIN 2.0371 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		
Aluminium	Al %	0.050 max.
Iron	Fe %	0.300 max.
Nickel	Ni %	0.300 max.
Other	Ot %	0.200 max.
Lead	Pb %	1.000 - 2.000
Tin	Sn %	0.200 max.
Copper	Cu %	59.500 - 61.500
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment	
As Raw or Solution Heat Treated	

Mechanical Properties	
Tensile Strength in Mpa	330 min.
Yield Strength in Mpa	100 - 250
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in HV	75 - 165
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CuZn36Pb2Sn1	DIN	Germany	Rod
B 21 C48500	ASTM	USA	Rod, Bar and Shape
B 124 C48500	ASTM	USA	Rod, Bar and Shape
B 283 C48500	ASTM	USA	Forging
SB-283 C48500	ASME	USA	Forging
485	AS	Australia	Forging
C48500	AS	Australia	Ingot and Casting

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