

# Material: JIS C 3604 BE

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

**Group:** Non Ferrous Copper Alloys

**Sub Group:** JIS C 3604 BE 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.
Iron	Fe %	0.500 max.
Lead	Pb %	1.800 - 3.700
Fe + Sn	Fe% + Sn%	0.800 max.
Nickel	Ni %	0.200 max.
Copper	Cu %	57.000 - 61.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	335 min.
Yield Strength in Mpa	-
Elongation in %	-
Reduction of Area in %	-
Hardness in HV	80 min.
Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn39Pb3	DIN	Germany	Rod
CuZn39Pb3	GOST	Russia	Rod
LS58-3	GOST	Russia	Rod
CuZn39Pb3	ISO	International	Rod
CU 3	ISO	International	Rod
C 3604 BD	JIS	Japan	Rod
C 3604 BF	JIS	Japan	Rod

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