



## Material - BS CZ 120

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

Group - Non Ferrous Copper Alloys

Sub Group - BS CZ 120 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	
Other	Ot %	0.300 max.	As Raw or Solution Heat Treated	
Lead	Pb %	1.500 - 2.500		
Copper	Cu %	58.000 - 60.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	510 min.
			Yield Strength in Mpa	-
			Elongation in %	5 min.
			Reduction of Area in %	-
			Hardness in HV	110 - 190
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn39Pb2	DIN	Germany	Rod
M059	PN	Poland	Rod
B 124 CW612N	ASTM	USA	Rod
Ms58	DIN	Germany	Rod
C37700	UNS	USA	Rod
CuZn40	AFNOR NF	France	Rod
CW509L	AFNOR NF	France	Rod

**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

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