



## Material - JIS C 3605 BE

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

**Group - Non Ferrous Copper Alloys**

**Sub Group - JIS C 3605 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			Heat Treatment	
Arsenic	As %	0.020 max.	As Raw or Solution Heat Treated	
Iron	Fe %	0.500 max.		
Lead	Pb %	3.500 - 4.500		
Fe + Sn	Fe% + Sn%	0.800 max.		
Nickel	Ni %	0.200 max.		
Copper	Cu %	56.000 - 60.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-	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 CuZn38Pb4	DIN	Germany	Rod
C 3604 W	JIS	Japan	Rod
C 3605 BD	JIS	Japan	Rod
CuZn38Pb4	EN	European Union	Rod
CW609N	EN	European Union	Rod
CuZn38Pb4	AFNOR NF	France	Rod
CW609N	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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