

## Material: JIS C 3605 BD

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

**Group:** Non Ferrous Copper Alloys

**Sub Group:** JIS C 3605 BD 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		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 335 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % - Hardness in HV 80 min. Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
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-	-	-		
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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 BE	JIS	Japan	Rod
CuZn38Pb4	EN	European Union	Rod
CW609N	EN	European Union	Rod
CuZn38Pb4	AFNOR NF	France	Rod
CW609N	AFNOR NF	France	Rod

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