



Material - JIS C 3771 BF

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

Group - Non Ferrous Copper Alloys

Sub Group - JIS C 3771 BF 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	
Fe + Sn	Fe% + Sn%	1.000 max.		
Nickel	Ni %	0.200 max.		
Lead	Pb %	1.000 - 2.500		
Copper	Cu %	57.000 - 61.000		
Zinc	Zn %	Balance		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
			Mechanical Properties	
			Tensile Strength in Mpa	315 min.
			Yield Strength in Mpa	-
			Elongation in %	15 min.
			Reduction of Area in %	-
			Hardness in BHN	-
			Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
EN 12164 CuZn38Pb2	DIN	Germany	Rod
C 3560 P	JIS	Japan	Rod
C 3603 W	JIS	Japan	Rod
C 3771 BD	JIS	Japan	Rod
C 3771 BE	JIS	Japan	Rod
CuZn38Pb2	AFNOR NF	France	Rod
CW608N	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

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