GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 319 Grade1

Standard Specification for Free Cutting Brass Bars, Rods and Section

Group - Non-Ferrous Copper Alloy

Sub Group - IS 319 Grade1 Free Cutting Brass Bars, Rods and Section

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Bars and Rods

Chemical Composition		
Copper	Cu %	56.000 - 59.000
Lead	Pb %	2.000 - 3.500
Iron	Fe %	0.350 max.
Other	Ot %	0.700 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast Annealing or Half Hardening or Hardening

Mechanical Properties	
Tensile Strength in Mpa	345 min.
Yield Strength in Mpa	-
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HV	100 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 8364 Grade 1	IS	India	Wire
2874 CZ 121 Pb3	BS	British	Rods and Forging
EN 12164 CuZn39Pb3	BS	British	Rods
EN 12164 CW614N	BS	British	Rods
H 3250 C 3601	JIS	Japan	Bars and Rods
H 3250 C 3602	JIS	Japan	Bars and Rods
H 3250 C 3603	JIS	Japan	Bars and Rods

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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