GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - IS 319 Grade2

Standard Specification for Free Cutting Brass Bars, Rods and Section

Group - Non-Ferrous Copper Alloy

Sub Group - IS 319 Grade2 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 %	60.000 - 63.000
Lead	Pb %	2.500 - 3.700
Iron	Fe %	0.350 max.
Other	Ot %	0.500 max.
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Cast Annealing or Half Hardening or Hardening

Mechanical Properties	
Tensile Strength in Mpa	325 min.
Yield Strength in Mpa	-
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HV	90 max.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
IS 8364 Grade 2	IS	India	Wire
EN 12164 CuZn36Pb3	BS	British	Rods
EN 12164 CW603N	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
H 3250 C 3604	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

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.