GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN EN 12164 CuZn36Pb3 (CW603N)

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

Group - Non Ferrous Copper Alloys

Sub Group - DIN EN 12164 CuZn36Pb3 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		
Aluminium	Al %	0.050 max.
Iron	Fe %	0.300 max.
Nickel	Ni %	0.300 max.
Lead	Pb %	2.500 - 3.500
Tin	Sn %	0.200 max.
Other	Ot %	0.200 max.
Copper	Cu %	60.000 - 62.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	340 min.
Yield Strength in Mpa	160 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HV	90 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
MO61	PN	Poland	Rod
CZ 124	BS	British	Rod
C 3601 BD	JIS	Japan	Rod
C 3601 W	JIS	Japan	Rod
C 3602 BD	JIS	Japan	Rod
C 3602 BE	JIS	Japan	Rod
C 3602 BF	JIS	Japan	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