GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - SAE J 463 UNS C67400

Standard Specification for Wrough Copper and Copper Alloys

Group - Non-Ferrous Copper Alloys

Sub Group - SAE J 463 UNS C67400 Wrough Copper and Copper Alloys

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

Grade Belongs to the Industry - Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes

Chemical Composition		
Iron	Fe %	0.350 max.
Lead	Pb %	0.500 max.
Tin	Sn %	0.300 max.
Manganese	Mn %	2.000 - 3.500
Nickel	Ni %	0.250 max.
Aluminium	Al %	0.500 - 2.000
Silicon	Si %	0.500 - 1.500
Copper	Cu %	57.000 - 60.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Raw or Annealing or Hardening

Mechanical Properties	
Tensile Strength in Mpa	450 min.
Yield Strength in Mpa	205 min.
Elongation in %	15 min.
Reduction of Area in %	-
Hardness in HRB	75 max.
Impact in Joule	-

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Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
C67400	UNS	USA	Sheet, Strip, Bar, Plate, Rod, Wire, Tube and Shapes
12164 CuZn37Mn3Al2PbSi	EN	European Union	Rods
12164 CW713R	EN	European Union	Rods
12167 CuZn37Mn3Al2PbSi	EN	European Union	Bars
12167 CW713R	EN	European Union	Bars
12165 CuZn37Mn3Al2PbSi	EN	European Union	Forging
12165 CW713R	EN	European Union	Forging

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.