GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN EN 12164 CuNi7Zn39Pb3Mn2 (CW400J)

Standard Specification for Copper-Nickel-Zinc Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - DIN EN 12164 CuNi7Zn39Pb3Mn2 Copper-Nickel-Zinc Alloy Rod

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

Grade Belongs to the Industry - Rod

Chemical Composition		
Iron	Fe %	0.100 max.
Manganese	Mn %	1.500 - 3.000
Nickel	Ni %	6.000 - 8.000
Lead	Pb %	2.300 - 3.300
Tin	Sn %	0.200 max.
Other	Ot %	0.200 max.
Copper	Cu %	47.000 - 50.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	510 min.
Yield Strength in Mpa	400 min.
Elongation in %	8 min.
Reduction of Area in %	-
Hardness in HV	150 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CuNi7Zn39Pb3Mn2	ONORM	Australia	Rod
CW400J	ONORM	Australia	Rod
CuNi7Zn39Pb3Mn2	BDS	Bulgaria	Rod
CW400J	BDS	Bulgaria	Rod
CuNi7Zn39Pb3Mn2	CSN	Czech Republic	Rod
CW400J	CSN	Czech Republic	Rod
CW400J	EN	European Union	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