GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - DIN EN 12164 CuNi12Zn30Pb1 (CW406J)

Standard Specification for Copper-Nickel-Zinc Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - DIN EN 12164 CuNi12Zn30Pb1 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 %	0.300 max.
Manganese	Mn %	0.500 max.
Nickel	Ni %	11.000 - 13.000
Lead	Pb %	0.500 - 1.500
Tin	Sn %	0.200 max.
Other	Ot %	0.200 max.
Copper	Cu %	56.000 - 58.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	420 min.
Yield Strength in Mpa	280 min.
Elongation in %	12 min.
Reduction of Area in %	-
Hardness in HV	130 min.
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
Ns5712Pb	DIN	Germany	Rod
2.078	DIN	Germany	Rod
CuNi12Zn30Pb1	BS	British	Rod
CW406J	BS	British	Rod
CuNi12Zn30Pb1	UNE	Spain	Rod
CW406J	UNE	Spain	Rod
CW406J	NS	Norway	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