GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - UNI CW408J

Standard Specification for Copper-Nickel-Zinc Alloy Rod

Group - Non Ferrous Copper Alloys

Sub Group - UNI CW408J 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 %	0.700 max.
Nickel	Ni %	17.000 - 19.000
Lead	Pb %	0.500 - 1.500
Tin	Sn %	0.200 max.
Other	Ot %	0.200 max.
Copper	Cu %	59.500 - 62.500
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	420 min.
Yield Strength in Mpa	260 min.
Elongation in %	3 min.
Reduction of Area in %	-
Hardness in HV	115 - 190
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CuNi18Zn19Pb1	DIN	Germany	Rod
CuNi 18 Zn 19 Pb	DIN	Germany	Rod
Ns6218Pb	DIN	Germany	Rod
C 7941 B	JIS	Japan	Rod, Bar and Wire
MZN181	PN	Poland	Rod
NS 113	BS	British	Plate
CuNi18Zn19Pb1	UNI	Italy	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