GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - AFNOR NF CuZn37Mn3Al2PbSi

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

Group - Non Ferrous Copper Alloys

Sub Group - AFNOR NF CuZn37Mn3Al2PbSi 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 %	1.300 - 2.300
Iron	Fe %	1.000 max.
Manganese	Mn %	1.500 - 3.000
Nickel	Ni %	1.000 max.
Lead	Pb %	0.200 - 0.800
Silicon	Si %	0.300 - 1.300
Tin	Sn %	0.400 max.
Other	Ot %	0.300 max.
Copper	Cu %	57.000 - 59.000
Zinc	Zn %	Balance
-	-	-
-	-	-
-	-	-
-	-	-
-	-	-

Heat Treatment
As Raw or Solution Heat Treated

Mechanical Properties	
Tensile Strength in Mpa	540 min.
Yield Strength in Mpa	200 min.
Elongation in %	5 min.
Reduction of Area in %	-
Hardness in HV	140 - 200
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
CuZn37Mn3Al2PbSi	DIN	Germany	Rod
CW713R	AFNOR NF	France	Rod
CuZn37Mn3Al2PbSi	MSZ	Hungary	Rod
CW713R	MSZ	Hungary	Rod
CuZn37Mn3Al2PbSi	CSN	Czech Republic	Rod
CW713R	CSN	Czech Republic	Rod
CW713R	DIN	Germany	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