



## Material - DIN EN 12164 CuZn40Mn1Pb1FeSn (CW722R)

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

Group - Non Ferrous Copper Alloys

Sub Group - DIN EN 12164 CuZn40Mn1Pb1FeSn 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			Heat Treatment	
Aluminium	Al %	0.100 max.	As Raw or Solution Heat Treated	
Iron	Fe %	0.200 - 1.200		
Manganese	Mn %	0.800 - 1.800		
Nickel	Ni %	0.300 max.		
Lead	Pb %	0.800 - 1.600		
Tin	Sn %	0.200 - 1.000		
Other	Ot %	0.300 max.		
Copper	Cu %	56.500 - 58.500		
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	440 min.
-	-	-	Yield Strength in Mpa	200 min.
-	-	-	Elongation in %	10 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	120 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
C37710	UNS	USA	Rod
CuZn40Mn1Pb1FeSn	NBN	Belgium	Rod
CW722R	NBN	Belgium	Rod
CuZn40Mn1Pb1FeSn	MSZ	Hungary	Rod
CW722R	MSZ	Hungary	Rod
CuZn40Mn1Pb1FeSn	AFNOR NF	France	Rod
CW722R	AFNOR NF	France	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](mailto:marketing@gravitycastindia.com)**

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