

Material: DIN EN 12164 CuZn40Mn1Pb1 (CW720R)

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

Group: Non Ferrous Copper Alloys

Sub Group: DIN EN 12164 CuZn40Mn1Pb1 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 %	0.200 max.	As Raw or Solution Heat Treated	
Iron	Fe %	0.300 max.		
Manganese	Mn %	0.500 - 1.500		
Nickel	Ni %	0.600 max.		
Lead	Pb %	1.000 - 2.000		
Silicon	Si %	0.100 max.		
Tin	Sn %	0.300 max.		
Other	Ot %	0.300 max.		
Copper	Cu %	57.000 - 59.000	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	390 min.
-	-	-	Yield Strength in Mpa	200 min.
-	-	-	Elongation in %	20 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HV	110 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.0580	DIN	Germany	Rod
CuZn40Mn1Pb	DIN	Germany	Rod
CuZn40MnPb	DIN	Germany	Rod
SoMs58Pb	DIN	Germany	Rod
CU6	EN	European Union	Rod, Bolt, Screw, Stud and Nut
CuZn40Mn1Pb1	UNI	Italy	Rod
C37710	UNS	USA	Rod

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