

## Material: DIN EN 12164 CuSP (CW114C)

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

**Group:** Non Ferrous Copper Alloys

**Sub Group:** DIN EN 12164 CuSP 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	
Phosphorus	P %	0.003 - 0.012	As Raw or Solution Heat Treated	
Sulphur	S %	0.200 - 0.700		
Other	Ot %	0.100 max.		
Copper	Cu %	Balance		
-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa 250 min. Yield Strength in Mpa 200 min. Elongation in % 3 min. Reduction of Area in % - Hardness in HV 90 min. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
2.1525	DIN	Germany	Rod
CuSi 3 Mn	DIN	Germany	Rod
SB-Cu	DIN	Germany	Rod
CuS	PN	Poland	Rod
MI	PN	Poland	Rod
CuSP	BS	British	Rod
CW114C	BS	British	Rod

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