

Material: DIN 1.0414

Standard Specification for Wire Rod for Cold Drawing

Group: Ferrous Mild Steel Alloys

Sub Group: DIN 1.0414 Wire Rod for Cold Drawing

Application: Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry: Cold Rolling and Rod

Chemical Composition			Heat Treatment	
Carbon	C %	0.180 - 0.230	Annealing or Normalizing or Hardening + Tempering	
Silicon	Si %	0.100 - 0.300		
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Copper	Cu %	0.200 max.		
Iron	Fe %	Balance		
-	-	-		
-	-	-	Mechanical Properties Tensile Strength in Mpa 414 min. Yield Strength in Mpa 276 min. Elongation in % 24 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
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-	-	-		
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
J02002	UNS	USA	Casting
1020	AISI	USA	Forging, Bar, Wire, and Shape
1.1137	EN	European Union	Cold Rolling and Rod
A216 WCB	ASTM	USA	Casting
1.0619	DIN	Germany	Casting
A352 LCA	ASTM	USA	Casting
A732 1A	ASTM	USA	Casting

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