

Material: ISO 4954 C2C

Standard Specification for Carbon Steel Wire Rods for Cold Heading and Cold Forging

Group: Ferrous Mild Steel Alloys

Sub Group: ISO 4954 C2C Carbon Steel Wire Rods for Cold Heading and Cold Forging

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

Grade Belongs to the Industry: Wire Rod and Forging

Chemical Composition			Heat Treatment	
Carbon	C %	0.030 max.	As Raw or Normalizing or Annealing or Hardening and Tempering	
Silicon	Si %	0.100 max.		
Manganese	Mn %	0.200 - 0.400		
Phosphorus	P %	0.020 max.		
Sulphur	S %	0.025 max.		
Aluminium	Al %	0.020 - 0.060		
Chromium	Cr %	0.300 max.		
Copper	Cu %	0.300 max.		
Molybdenum	Mo %	0.100 max.		
Nickel	Ni %	0.300 max.		
Iron	Fe %	Balance	Mechanical Properties Tensile Strength in Mpa 450 max. Yield Strength in Mpa - Elongation in % - Reduction of Area in % 68 min. Hardness in BHN - Impact in Joule -	
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		
-	-	-		

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SWRCH 6A	JIS	Japan	Wire Rod and Forging
SWCH 6A	JIS	Japan	Wire Rod and Forging
SWRCH6A	MS	Malaysia	Wire Rod and Forging
C4C	ISO	International	Wire Rod and Forging
SWRCH6A	KS	Korea	Wire Rod and Forging
-	-	-	-
-	-	-	-

Disclaimer: All information displayed in our data sheets are for reference purpose only and are sole property of their respective owners. Information and or material are used for educational purposes only. Data at actual may vary at actual and case to case basis. ICAST Alloys LLP does not guarantee validity of these parameters. Warranties and liabilities are exclusive to our terms and conditions of business.

Customer Care: +91-99090 45075 Email: info@icastllp.com