

Material: ISO 4954 C4C

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

Group: Ferrous Mild Steel Alloys

Sub Group: ISO 4954 C4C 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 %	0.020 - 0.060	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 470 max. Yield Strength in Mpa - Elongation in % - Reduction of Area in % 66 min. Hardness in BHN - Impact in Joule -	
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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
C2C	ISO	International	Wire Rod and Forging
SWRCH6A	KS	Korea	Wire Rod and Forging
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