



Material - ISO 4954 C8C

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

Group - Ferrous Mild Steel Alloys

Sub Group - ISO 4954 C8C 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 %	0.060 - 0.100	As Raw or Normalizing or Annealing or Hardening and Tempering	
Silicon	Si %	0.100 max.		
Manganese	Mn %	0.250 - 0.450		
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 490 max. Yield Strength in Mpa - Elongation in % - Reduction of Area in % 63 min. Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SWRCH 8A	JIS	Japan	Wire Rod and Forging
SWCH 8A	JIS	Japan	Wire Rod and Forging
SWRCH8A	MS	Malaysia	Wire Rod and Forging
SWRCH8A	KS	Korea	Wire Rod and Forging
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Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email marketing@gravitycastindia.com

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