

Material: JIS G 3539 SWRCH 6R

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

Group: Ferrous Mild Steel Alloys

Sub Group: JIS G 3539 SWRCH 6R 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 %	0.080 max.	As Raw or Normalizing or Annealing or Hardening and Tempering	
Manganese	Mn %	0.600 max.		
Phosphorus	P %	0.040 max.		
Sulphur	S %	0.040 max.		
Iron	Fe %	Balance		
-	-	-	Mechanical Properties Tensile Strength in Mpa 294 min. Yield Strength in Mpa - Elongation in % 15 min. Reduction of Area in % - Hardness in HRB 80 max. Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SWCH 6R	JIS	Japan	Wire Rod and Forging
SWRM 6	KS	Korea	Wire Rod and Forging
SWRMF 6	KS	Korea	Wire Rod and Forging
SWRCH6R	KS	Korea	Wire Rod and Forging
SWRM 6	JIS	Japan	Wire Rod and Forging
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