

Material: JIS G 3539 SWCH 8R

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

Group: Ferrous Mild Steel Alloys

Sub Group: JIS G 3539 SWCH 8R 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 %	0.100 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	290 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	45 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HRC	85 max.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SWRCH 8R	JIS	Japan	Wire Rod and Forging
SWRM 8	KS	Korea	Wire Rod and Forging
SWRMF8	KS	Korea	Wire Rod and Forging
SWRCH8R	KS	Korea	Wire Rod and Forging
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