



Material - JIS G 3539 SWRCH 6A

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

Group - Ferrous Mild Steel Alloys

Sub Group - JIS G 3539 SWRCH 6A 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.		
Silicon	Si %	0.100 max.	As Raw or Normalizing or Annealing or Hardening and Tempering	
Manganese	Mn %	0.600 max.		aaling or Hardoning and
Phosphorus	P %	0.030 max.		· ·
Sulphur	S %	0.035 max.		
Aluminium	Al %	0.020 min.		
Iron	Fe %	Balance		
-	-	-		-
-	-	-	Mechanical Properties	
-	-		Tensile Strength in Mpa	294 min.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	15 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardn <mark>ess in HR</mark> B	80 max.
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
SWCH 6A	JIS	Japan	Wire Rod and Forging	
SWRCH6A	MS	Malaysia	Wire Rod and Forging	
C2C	ISO	International	Wire Rod and Forging	
C4C	ISO	International	Wire Rod and Forging	
SWRCH6A	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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