



## Material - KS D 3592 SWRCH18A

Standard Specification for Carbon Steel Wire Rods for Cold Heading and Cold Forging Group - Ferrous Mild Steel Alloys

Sub Group - KS D 3592 SWRCH18A 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 %	0.150 - 0.200		
Silicon	Si %	0.100 max.	As Raw or Normalizing or Annealing or Hardening and Tempering	
Manganese	Mn %	0.650 - 0.900		aaling or Hardoning and
Phosphorus	P %	0.030 max.		· ·
Sulphur	S %	0.035 max.		ıg .
Aluminium	Al %	0.020 min.		
Chromium	Cr %	0.200 max.		
Copper	Cu %	0.300 max.		_
Nickel	Ni %	0.200 max.	Mechanical Properties	
Iron	Fe %	Balance	Tensile Strength in Mpa	610 max.
-	-	-	Yield Strength in Mpa	-
-	-	-	Elongation in %	-
-	-	-	Reduction of Area in %	56 min.
-	-	-	Hardn <mark>ess in BH</mark> N	-
-	-	-	Impac <mark>t in Joule</mark>	-

Cross Reference Table				
Material	Standard	Country	Grade Belong to the Industry	
SWRCH 18A	JIS	Japan	Wire Rod and Forging	
SWCH 18A	JIS	Japan	Wire Rod and Forging	
SWRCH18A	MS	Malaysia	Wire Rod and Forging	
C17C	ISO	International	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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