



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

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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-	-	-	-
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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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ONE STOP SOLUTION FOR METAL PARTS