



## Material - MS 1795 SWRCH10K

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

**Group - Ferrous Mild Steel Alloys**

**Sub Group - MS 1795 SWRCH10K 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 - 0.130	As Raw or Normalizing or Annealing or Hardening and Tempering	
Silicon	Si %	0.100 - 0.350		
Manganese	Mn %	0.300 - 0.600		
Phosphorus	P %	0.030 max.		
Sulphur	S %	0.035 max.		
Iron	Fe %	Balance		
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-	-	-	<b>Mechanical Properties</b> Tensile Strength in Mpa      340 min. Yield Strength in Mpa      250 min. Elongation in %      14 min. Reduction of Area in %      53 min. Hardness in BHN      - Impact in Joule      35 J @ RT	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
SWRCH 10K	JIS	Japan	Wire Rod and Forging
SWCH 10K	JIS	Japan	Wire Rod and Forging
C10GC	ISO	International	Wire Rod and Forging
SWRCH10K	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](mailto:marketing@gravitycastindia.com)**

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