



Material - MS 1795 SWRCH18A

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

Group - Ferrous Mild Steel Alloys

Sub Group - MS 1795 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 | As Raw or Normalizing or Annealing or Hardening and Tempering | |
| Silicon | Si % | 0.100 max. | | |
| Manganese | Mn % | 0.600 - 0.900 | | |
| Phosphorus | P % | 0.030 max. | | |
| Sulphur | S % | 0.035 max. | | |
| Aluminium | Al % | 0.020 min. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 559 max. Yield Strength in Mpa - Elongation in % - Reduction of Area in % 47 min. Hardness in BHN - Impact in Joule - | |
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| 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 |
| C17C | ISO | International | Wire Rod and Forging |
| SWRCH18A | 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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