



Material - KS D 3592 SWRCH15R

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

Group - Ferrous Mild Steel Alloys

Sub Group - KS D 3592 SWRCH15R 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 % | 0.130 - 0.180 | As Raw or Normalizing or Annealing or Hardening and Tempering | |
| Manganese | Mn % | 0.300 - 0.600 | | |
| Phosphorus | P % | 0.040 max. | | |
| Sulphur | S % | 0.040 max. | | |
| Chromium | Cr % | 0.200 max. | | |
| Copper | Cu % | 0.300 max. | | |
| Nickel | Ni % | 0.200 max. | | |
| Iron | Fe % | Balance | | |
| - | - | - | Mechanical Properties Tensile Strength in Mpa 340 min. Yield Strength in Mpa - Elongation in % - Reduction of Area in % 45 min. Hardness in HRC 90 max. Impact in Joule - | |
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| Cross Reference Table | | | |
|-----------------------|----------|---------|------------------------------|
| Material | Standard | Country | Grade Belong to the Industry |
| SWRCH 15R | JIS | Japan | Wire Rod and Forging |
| SWCH 15R | JIS | Japan | Wire Rod and Forging |
| SWRM 15 | 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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