



Material - BS 316 S 17

Austenitic Stainless Steel Wire for Cold Forged Fasteners

Group - Ferrous Stainless Steel Alloys

Sub Group - BS 3111-2 Austenitic Stainless Steel Wire for Cold Forged Fasteners

Application - Intended for Valve, Pump, General Engineering, Automotive and Other Industries

Grade Belongs to the Industry - Wire

| Chemical Composition | | | Heat Treatment | |
|----------------------|------|-----------------|-------------------------|----------|
| Carbon | C % | 0.070 max. | Solution Annealing | |
| Silicon | Si % | 1.000 max. | | |
| Manganese | Mn % | 2.000 max. | | |
| Phosphorus | P % | 0.450 max. | | |
| Sulphur | S % | 0.030 max. | | |
| Chromium | Cr % | 16.500 - 18.500 | | |
| Nickel | Ni % | 12.000 - 14.000 | | |
| Molybdenum | Mo % | 2.000 - 3.000 | | |
| Iron | Fe % | Balance | Mechanical Properties | |
| - | - | - | Tensile Strength in Mpa | 485 min. |
| - | - | - | Yield Strength in Mpa | 205 min. |
| - | - | - | Elongation in % | 30 min. |
| - | - | - | Reduction of Area in % | - |
| - | - | - | Hardness in BHN | - |
| - | - | - | Impact in Joule | - |

| Cross Reference Table | | | |
|-----------------------|----------|----------------|---|
| Material | Standard | Country | Grade Belong to the Industry |
| 1.4409 | DIN | Germany | Casting |
| 1.4409 | EN | European Union | Casting |
| 316 | AISI | USA | Bar, Wire, Strip, Plat, Sheet and Forging |
| SUS 316 | JIS | Japan | Bar |
| 03CH17N14M3 | GOST | Russia | Pipes, Fittings, Bar, Sheet and Forging |
| A743 CF8M | ASTM | USA | Casting |
| A351 CF8M | ASTM | USA | Casting |

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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