GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

# Material - ASTM A313 Type 347

## Standard Specification for Stainless Steel Spring Wire

**Group - Ferrous Stainless Steel Alloys**

**Sub Group - ASTM A313 Type 347 Stainless Steel Spring Wire**

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

**Grade Belongs to the Industry - Wire**

| Chemical Composition | | |
|---|---|---|
| Carbon | C % | 0.080 max. |
| Manganese | Mn % | 2.000 max. |
| Phosphorus | P % | 0.045 max. |
| Sulphur | S % | 0.030 max. |
| Silicon | Si % | 1.000 max. |
| Chromium | Cr % | 17.000 - 19.000 |
| Nickel | Ni % | 9.000 - 13.000 |
| Nb + Ta | Nb% + Ta% | 0.010 min. |
| Iron | Fe % | Balance |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |
| - | - | - |

| Heat Treatment |
|---|
| As-Raw |

| Mechanical Properties | |
|---|---|
| Tensile Strength in Mpa | 860 - 1070 |
| Yield Strength in Mpa | - |
| Elongation in % | - |
| Reduction of Area in % | - |
| Hardness in HB | - |
| Impact in Joule | - |

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| Cross Reference Table | | | |
|---|---|---|---|
| **Material** | **Standard** | **Country** | **Grade Belong to the Industry** |
| S34700 | UNS | USA | Wire |
| J 405 30347 | SAE | USA | Steel |
| J 405 347 | SAE | USA | Steel |
| A 182 F 347 | ASTM | USA | Pipe and Forging |
| D 3698 STS 347 | KS | Korea | Plate, Sheet and Strip |
| G 4312 SUS 347 | JIS | Japan | Plate and Sheet |
| SA-409 TP347 | ASME | USA | Pipe |

**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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