

**19,000+** stock springs

### LeeP™ Plastic Composite Compression Springs

**Size Range:**

Fit in Hole: .375" - 1" / 9.53 mm - 25.4 mm  
Free Length: .375" - 1.25" / 9.53 mm - 31.75 mm

- Six Color-Coded Strengths
- Ultem\* Resin

### Stock Compression Springs

**Size Range:**

Outside Diameter: .025" - 1.937" / .64 mm - 49.20 mm  
Free Length: .025" - 6" / .64 mm - 152.40 mm  
Wire Size: .0040" - .177" / .10 mm - 4.50 mm

**Products and Materials:**

**Bantam Mini Compression Springs**

- Elgiloy®†

**Instrument Compression Spring** (Inch and Metric)

- Ends square, not ground
- Pre-coated Music Wire or Passivated Type 302/304 Stainless
- Passivated & Ultrasonically Cleaned Type 316 Stainless\*\*

**Lite Pressure Compression Spring Series** (Inch)

- Passivated & Ultrasonically Cleaned Type 316 Stainless\*\*

**Standard Compression Springs** (Inch\* and Metric)

- Squared and Ground Ends
- Plated Music Wire or Passivated Type 302/304 Stainless
- Passivated & Ultrasonically Cleaned Type 316 Stainless\*\*

**Heavy Duty Compression Spring (Inch)**

- Squared and Ground Ends
- Shot-Peened and Pre-Set
- Plated Music Wire/Oil Tempered MB Wire or Passivated Stainless

### REDUX™ Wave Springs

**Size Range:**

Outside Diameter: .224" - 1.688" / 5.69 mm - 42.88 mm  
Free Height: .075" - 1.75" / 1.90 mm - 44.45 mm

**Material:**

Passivated 17 - 7 PH Stainless Steel

### HEFTY™ Die Springs

**Size Range:**

Fit in Hole: .375" - 2" / 9.53 mm - 50.80 mm  
Free Length: 1" - 6" / 25.40 mm - 152.40 mm

**Products and Materials:**

Five Color Coded Series Reflecting Increasing Strengths

- Medium; Medium Plus
- Medium Heavy, Heavy, Extra Heavy
- Round Music Wire or Chrome Silicon
- Squared and Ground Ends
- Powder Coated
- Shot-Peened and Pre-set

### Stock Extension Springs

**Size Range:**

Outside Diameter: .063" - 2.0" / 1.60 mm - 50.80 mm  
Free Length: .250" - 10.0" / 6.35 mm - 254.00 mm  
Wire Size: .007" - .207" / .18 mm - 5.26 mm

**Loop Configuration:**

- Random position, full diameter machine or crossover center
- Loop openings approximately one wire diameter
- Direction of wind optional

**Products and Materials:**

**Instrument Extension Spring Series** (Inch and Metric)

- Pre-coated Music Wire or Passivated Stainless Steel

**Standard Extension Spring Series** (Inch and Metric)

- Plated Music Wire or Passivated Stainless Steel

### Stock Torsion Springs

**Size Range:**

Outside Diameter: .105" - 2.141" / 2.667 mm - 54.38 mm  
Work Over Rod: .062" - 2.141" / 1.58 mm - 54.38 mm  
Leg Length: .375" - 4.25" / 9.53 mm - 107.95 mm

**Products and Materials:**

- Free Position of Legs: 90°, 180°, 270°, 360°
- Choice of Left hand wound or Right hand wound
- Plated Music Wire or Passivated Stainless Steel

### Belleville Washers

**Size Range:**

Outside Diameter: .188" - 2.500" / 4.78 mm - 63.50 mm  
Inside Diameter: .093" - 1.25" / 2.36 mm - 31.75 mm

**Material:**

Passivated 300 Series Stainless Steel

### Specialty Products

**MIL-SPEC Springs**

- 24585 Compression
- 24586 Extension

**Battery Springs**

- Nickel Plated Music Wire or Silver Coated Beryllium Copper
- Multiple configurations to fit AA, AAA, C or D

**Stainless Steel Constant Force Springs**

### Contact Information

**USA AND CANADA**

140 58th Street, Brooklyn, NY 11220 • 1.888.SPRINGS (1.888.777.4647)  
Email: sales@leespring.com

**EUROPE Lee Spring Limited**

Latimer Road, Wokingham, Berkshire, RG41 2WA, England  
Phone: (011) 44 118 978 1800 • Fax: (011) 44 118 977 4832 • Email: sales@leespring.co.uk

**MEXICO AND LATIN AMERICA Lee Spring de México**

Ave. Apolo 519, Edificio 22, Parque Industrial Kalos del Poniente, Santa Catarina, N.L. 66367  
Phone: 01 (800) 590 0717 (Mexico) • (011) 52 818 308 7070  
Fax: (011) 52 818 308 7080 • Email: ventas@leespring.com

**CHINA AND ASIA Lee Spring (Suzhou) Co., Ltd.**

2nd Floor, Building 1, 15 Dong Hong Road, Suzhou Industrial Park Suzhou, Jiangsu China, 215123  
Phone: (011) 86 512 6706 7227, (011) 86 512 6706 7228

[www.leespring.com](http://www.leespring.com)

**Notes:**

\* Ultem is a registered trademark of SABIC Innovative Plastics IP BV

\*\* Type 316 Stainless Steel Stock option only available on Inch Compression Stock Springs.

† Elgiloy is a trademark of Elgiloy Ltd. Partnership.

Type 302 may be substituted with Type 304 at Lee Spring's discretion.

# Custom Springs, Wire Forms, Stampings & Fourslide Parts

## Lee Spring offers support for every stage of custom design, manufacturing and distribution:

- Application/Concurrent Engineering staff
- Regulatory expertise including RoHS, REACH and DFARS
- Proof of concept methodologies
- CAD assisted product design, drawing and modeling
- In-house prototype production services (rapid turnaround)
- Factories outfitted to effectively accommodate both short and long production run
- In-house tooling production including EDM
- Extensive experience working with Aerospace/Military specifications (AS9100), Automotive Specifications (TS16949) and FDA Trial Support (21 CFR Part 820)
- Proprietary integrated quality control system
- State of the art computerized spring testing equipment
- Global supply chain network for both production and distribution
- Blanket agreement and consignment inventory management capabilities
- Pull/Kanban capabilities
- Ongoing Customer/Supplier improvement initiatives
- ISO 9001 Registered Quality Management System

## From Start to Finish, Lee Spring Has the Custom Capabilities You Need!

### Compression Springs:

Outside Diameter: 0.025 – 5.75" / 0.64 – 146.1 mm  
Wire Diameter : 0.004" – 0.625" / 0.10 mm – 15.88 mm

### Extension Springs:

Outside Diameter: 0.025 – 5.75" / 0.64 – 146.1 mm  
Wire Diameter: 0.005" – 0.625" / 0.13 mm – 15.88 mm

### Torsion Springs:

Outside Diameter: 0.025 – 5.75" / 0.64 – 146.1 mm  
Wire Diameter : 0.005" – 0.187" / 0.13 mm – 4.75 mm

### Wave Springs:

Outside Diameter: 0.200" – 8.000" / 5.08 mm – 203.2 mm  
Inside Diameter: 0.150" – 4.54" / 3.81 mm – 115.32 mm

### Constant Force Springs:

Min. Outside Diameter: 0.340" – 8.636 mm  
Inside Diameter: 0.280" – 1.97" / 7.11 mm – 50.04 mm  
Min Length: 11.80" / 299.72 mm

## Distinct Production Capabilities:

- **Plastic Compression Springs** • **Drawbar Springs** • **Cone Springs** • **Double Torsion Springs** • **Extension Springs with Swivel Hooks**
- **Wire Forms:** Wire Diameters: 0.010" – 0.24" / 0.25 mm – 6 mm • Maximum Finished Length: 60' / 1524 mm
- **Stampings:** Strip Width: up to 3" / 76.20 mm • Strip Thickness: 0.005 to 0.062" / 0.13 mm – 1.57 mm
- **Fourslide Parts:** Strip Width: 0.010" – 0.500" / 0.25 mm – 12.70 mm  
Strip Thickness: 0.003" – 0.125" / 0.08 mm – 3.18 mm • Wire Diameter: 0.005" – 0.187" / 0.13 mm – 4.75 mm

## Secondary Operations and Finishing:

- Assembly • Color Coding • Electropolishing • Grinding • Heat Treating • Looping
- Passivation • Powder Coating • Shot Peening • Spring Setting • Plating: Nickel, Zinc, Cadmium
- Special Finishes (e.g., Black Oxide)

## Materials:

- Beryllium Copper • Beryllium Copper, Silver Coated • Carbon Steel, Hard Drawn
  - Carbon Steel, Oil Tempered • Chrome Silicon, Oil Tempered • Chrome Vanadium, Oil Tempered
  - Elgiloy®\*\* • Hastelloy®\*\*\* • Inconel®† 600, 718 & x750 • Music Wire • Phosphor Bronze
  - Plastic Composites • Stainless Steel, 300 Series • Stainless Steel, 17-7
- Please inquire regarding other materials.

\*Elgiloy is a trademark of Elgiloy Ltd. Partnership.

\*\*Hastelloy is a registered trademark of Haynes International Inc.

† Inconel is registered trademark of Special Metals Corporation.