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Over 380 pages of Parts, Specs, and Pricing.



* 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. Elgiloy may be substituted with equivalent cobalt alloy at Lee Spring's discretion.



Stock Springs In-Stock, Ready to Ship

Call: 1-888-777-4647 (888-SPRINGS)
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Compression Springs	Comments	Materials and Finishes
Bantam™ Mini Series <i>Free Length: .039" – .625"</i>	Ends Not Ground	• Elgiloy® §
Instrument Series <i>Free Length: .039" – 2.087"</i>	Ends Square, Not Ground	• Pre-coated Music Wire • Passivated Type 302/304 Stainless • Passivated & Ultrasonically Cleaned Type 316 Stainless**
Lite Pressure™ Series <i>Free Length: .313" – 6"</i>	Ends Square, Not Ground	• Passivated & Ultrasonically Cleaned Type 316 Stainless**
Standard Series <i>Free Length: .173" – 11.417"</i>	Squared and Ground Ends	• Plated Music Wire • Passivated Type 302/304 Stainless • Passivated & Ultrasonically Cleaned Type 316 Stainless**
MIL SPEC MS24585 <i>Free Length: .250" – 1.5"</i>	Squared and Ground Ends	• Uncoated Music Wire • Cadmium Plated Music Wire • Zinc Plated Music Wire • Passivated Type 302 Stainless Steel
Heavy Duty Series <i>Free Length: .875" – 6"</i>	Squared and Ground Ends Shot-Peened and Pre-Set	• Plated Music Wire/Oil-Tempered Wire • Passivated Type 302/304 Stainless
High Pressure Series <i>Free Length: .250" – 4"</i>	Squared and Ground Ends Shot-Peened and Pre-Set	• Passivated Type 17-7 PH Stainless Steel
HEFTY™ Die Springs <i>Free Length: 1" – 12"</i>	Squared and Ground Ends Shot-Peened and Pre-Set Powder Coated Five color coded versions in various strengths	• Music Wire/Oil-Tempered Chrome Silicon
LeeP™ Plastic Composite Series <i>Free Length: .375" – 1.25"</i>	Available Color-Coded Strengths	• Ultem* Resin
DIN-Plus Series DIN2098 Part 2 <i>Free Length: .039" – 2.063"</i>	Ends Square, Not Ground	• Stainless Steel Grade EN 10270-3-1.4310-NS
DIN-Plus Series DIN2098 Part 1 <i>Free Length: .173" – 39.961"</i>	Squared and Ground Ends	• Spring Steel Grade EN 10270-1-SH
REDUX™ Wave Springs	Comments	Materials and Finishes
REDUX™ Wave Springs <i>Outside Diameter: .210" – 1.707"</i> <i>Free Height: .060" – 2"</i>		• Passivated Type 17-7 PH Stainless Steel
Bellefonte Washers	Comments	Materials and Finishes
Bellefonte Washers <i>Outside Diameter: .188" – 3.75"</i> <i>Free Height: .014" – .281"</i>		• Passivated 300 Series Stainless Steel
Extension Springs	Comments	Materials and Finishes
Instrument Series <i>Outside Diameter: .063" – .157"</i> <i>Free Length: .250" – 1.181"</i>	Loops in random position, full diameter machine or cross over center except those made to DIN 2097. Loop openings approximately one wire diameter	• Pre-coated Music Wire • Passivated Type 302/304 Stainless Steel • Passivated & Ultrasonically Cleaned Type 316 Stainless**
Standard Series <i>Outside Diameter: .098" – 2"</i> <i>Free Length: .311" – 11.417"</i>	Loops in random position, full diameter machine or cross over center except those made to DIN 2097. Loop openings approximately one wire diameter	• Plated Music Wire • Passivated Type 302/304 Stainless Steel • Passivated & Ultrasonically Cleaned Type 316 Stainless**
MIL SPEC MS24586 <i>Outside Diameter: .120" – 1"</i> <i>Free Length: 1" – 5"</i>	Loops inline position	• Uncoated Music Wire • Cadmium Plated Music Wire • Zinc Plated Music Wire • Passivated Type 302 Stainless Steel
Torsion Springs	Comments	Materials and Finishes
Standard Series <i>Outside Diameter: .103" – 2.141"</i> <i>Work Over Rod: .059" – 1.656"</i> <i>Leg Length: .375" – 4.25"</i>	Available in 7 Free Positions: 90°, 120°, 180°, 210°, 270°, 300°, 360°	• Pre-coated/Plated Music Wire • Passivated Type 302/304 Stainless Steel • Passivated & Ultrasonically Cleaned Type 316 Stainless**
Constant Force	Comments	Materials and Finishes
Constant Force Springs <i>Load Range: .23 lbs. – 16.5 lbs.</i> <i>Material Widths: .25" – 1.25"</i>		• Type 301 Stainless Steel
Specialty Springs	Comments	Materials and Finishes
Battery Springs	AAA, AA, C and D Battery Sizes Various Mount Types	• Nickel Coated Music Wire • Silver Coated Beryllium Copper
Continuous Length Extension	12", 24", and 36" Lengths	• Music Wire • Type 302 Stainless Steel

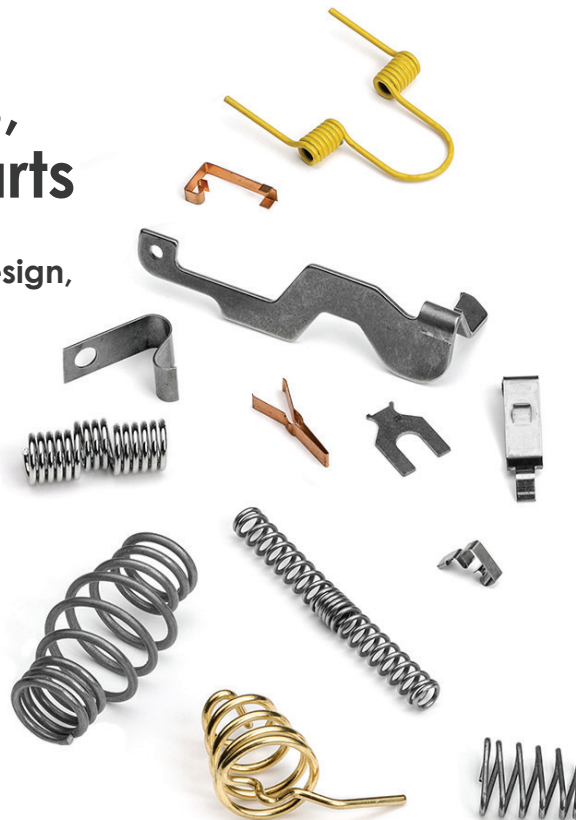


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Custom Springs, Wire Forms, Stampings and Fourslide Parts

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 for rapid turnaround
- Global supply chain network for both production and distribution
- Blanket agreement and consignment inventory management capabilities
- Short and long production run capabilities
- In-house tooling production including EDM
- Proprietary integrated quality control system
- Extensive experience working with Aerospace/Military specifications (AS9100), automotive specifications (TS16949) and FDA Trial Support (21 CFR Part 820)
- ISO 9001 registered quality management system



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

Spring Types and Dimensions		
Compression Springs	<i>Outside Diameter:</i> 0.010" – 5.75"/0.25 mm – 146.1 mm	<i>Wire Diameter:</i> 0.002" – 0.625"/0.05 mm – 15.88 mm
Extension Springs	<i>Outside Diameter:</i> 0.010" – 5.75"/0.25 mm – 146.1 mm	<i>Wire Diameter:</i> 0.002" – 0.625"/0.05 mm – 15.88 mm
Torsion Springs	<i>Outside Diameter:</i> 0.010" – 5.75"/0.25 mm – 146.1 mm	<i>Wire Diameter:</i> 0.002" – 0.625"/0.05 mm – 15.88 mm
Wave Springs	<i>Outside Diameter:</i> 0.210" – 5.000"/5.33 mm – 127.0 mm	<i>Inside Diameter:</i> 0.150" – 4.54"/3.81 mm – 115.32 mm
Constant Force	<i>Min. Outside Diameter:</i> 0.340"/8.636 mm <i>Min Length:</i> 11.80"/299.72 mm	<i>Inside Diameter:</i> 0.280" – 1.97"/7.11 mm – 50.04 mm
Wire Forms	<i>Wire Diameters:</i> 0.010" – 0.24" /0.25 mm – 6 mm	<i>Maximum Finished Length:</i> 60"/ 1524 mm
Stampings	<i>Strip Width:</i> up to 3" / 76.20 mm	<i>Strip Thickness:</i> 0.005 to 0.062" /0.13mm – 1.57 mm
Fourslide Parts	<i>Strip Width:</i> 0.010" – 0.500"/0.25 mm – 12.70 mm <i>Strip Thickness:</i> 0.003" – 0.125"/ 0.08 mm – 3.18 mm	<i>Wire Diameter:</i> 0.005" – 0.187"/ 0.13 mm – 4.75 mm

Distinct Production Capabilities including: Plastic Compression, Drawbar, Cone, Double Torsion, Specialty Extension and more.

Materials	
• Beryllium Copper	• Inconel®§
• Brass	• Monel®§
• Carbon Steel, Hard Drawn	• Music Wire
• Carbon Steel, Oil Tempered	• Phosphor Bronze
• Chrome Silicon, Oil Tempered	• Plastic Composites
• Chrome Vanadium, Oil Tempered	• Stainless Steel, 300 Series
• Elgiloy**	• Stainless Steel, 17-7
• Hastelloy***	

Inquire regarding additional materials.

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

* Elgiloy is a trademark of Elgiloy Ltd. Partnership

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

§ Inconel & Monel are registered trademarks of Special Metals Corporation.



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