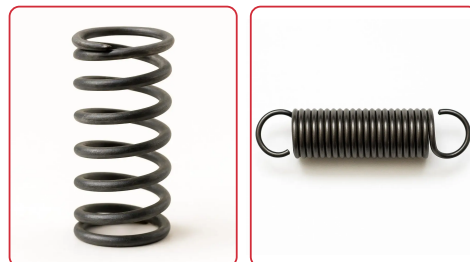


JACKSON SPRING

Custom Springs, Wireforms & Fourslide Components | Elk Grove Village, IL | Est. 1962

Jackson Spring has been manufacturing precision springs and wireforms in the U.S. since 1962. Engineers and procurement teams across aerospace, defense, medical, firearms, and industrial markets rely on Jackson Spring when they need tight-tolerance springs with full documentation – from prototype through multi-million piece



Compression

- Wire 0.2 mm – 12.0 mm
- Cylindrical, conical, barrel, hourglass
- Closed ends ground or unground
- Variable pitch for progressive rate
- Stress relief, shot peen, end grind

Extension

- Wire 0.25 mm – 6.0 mm
- Crossover, German, extended hooks
- Side loops available
- Initial tension to print spec
- Stress relief & shot peen

Torsion

- Wire 0.25 mm – 6.0 mm
- Straight leg, hook, hinge ends
- Custom end configs to print
- Left & right-hand wind
- Stress relief standard

Wireforms / Fourslide

- Wire 0.2 mm – 6.0 mm
- CNC wireforming & fourslide
- Complex 2D & 3D geometries
- Clips, brackets, retaining forms
- Plating, coating, assembly, kitting

SPECIFICATIONS

Materials	Music Wire, SS 302/304/316/17-7, HDMB, Oil Tempered, Chrome Silicon, Phosphor Bronze, Inconel, Pre-plated, 3-Strand, Rocket/Missile Wire
Wire Diameters	0.008" – 0.312" (0.20 – 7.9 mm)
Part Envelope	OD to ~6"; lengths to ~24". Broader ranges on review.
Tolerances	OD ± 0.005 ", free length ± 0.010 ", rate/force per print or DIN/ASME
Volumes	Prototype through multi-million pcs/yr. Blanket POs w/ scheduled releases.
Lead Times	NPI: 2–4 wks Production: 4–8 wks Expedites available
Secondary Ops	End grind, stress relief, heat treat, shot peen, plating, coatings, assembly, kitting

EQUIPMENT

- 40+ CNC Wire Formers
- 45+ CNC Coilers
- 10 Mechanical Wire Formers
- 4 Mechanical 4-Slide Machines
- 20+ Spring Grinders

MARKETS SERVED

- Aerospace & Defense
- Automotive OE & Aftermarket
- Firearms & Military
- Medical & Healthcare
- Industrial Valve & Safety Relief
- Rotary Sealing
- Agriculture & Lawn/Garden
- Trucking & Heavy Equipment

IN-HOUSE CAPABILITIES

- Grinding
- Welding
- Passivation
- Tumbling
- Color Coating
- Stress Relieving
- Assembly & Kitting
- Cycle Testing
- 3D Printing
- PPAP Services
- Full QA Lab

