

Special Heavy Duty Compression Springs



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CUSTOM SPRINGS

A custom spring is any spring that has:

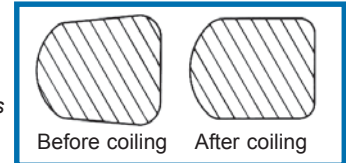
- ◆ Unique physical attributes
 - Special wire material, plating or paint
 - Custom free lengths, diameters, solid heights, rates, number of coils or custom loads at a given deflection
- ◆ Critical tolerances
- ◆ Specific inspection or certification requirements
 - Military specifications
 - 100% inspection of critical characteristics
- ◆ Statistical reports
- ◆ Computer controlled multi-point tests



MANUFACTURING CAPABILITIES

- ◆ Outside diameters from 3/8" to 2 1/2" (9.5mm to 63.5mm)
- ◆ Free length from 1" to 17" (25.4mm to 431.8mm)
- ◆ Round Spring wire 0.043" minimum to 1/2" (1.1mm to 12.7mm)
- ◆ Standard rectangular wire up to 0.375" x 0.469" (9.5mm to 11.9mm)

Modified trapezoidal cross section of rectangular wire springs changes to a "D" cross section during coiling to achieve a low stress level that means longer spring life.



COATINGS AVAILABLE

- ◆ Plain, no paint
- ◆ Oiled
- ◆ Cadmium Plate
- ◆ Dacromet®
- ◆ Electroless Nickel
- ◆ Any paint Color
- ◆ Powder Coating
- ◆ E-coat

SPRING SPECIALS QUOTING PROCESS

- ◆ Submit custom spring print
- ◆ Submit application information
 - Include description of application
 - Life expectations
 - Critical dimensions, tolerances, certifications required
- ◆ Use Special Quote form in catalog

Compression Spring Special Requirement Quote Sheet	
Company Information	
Company: _____	Title: _____
Contact: _____	Address: _____
Address: _____	City: _____ State: _____ Zip: _____
Phone: _____	Fax: _____
Sales Requirements	
Estimated Annual Volume: _____	Order Quantity: _____
Delivery Date Required: _____	
Compression Spring Specifications	
Spring Material: _____	Wire Size: _____
Outside Diameter: _____	Inside Diameter: _____
Free Length: _____	Maximum Solid Height: _____
Ends (Closed & Ground or Closed & Unground): _____	
Specify One of the Next Three Attributes	
Total Coils: _____	Spring Rate: _____
Load at a Given Rate: _____	
Application Explanation	

Finish (Painted, Unpainted, Plating)	

Critical Tolerances, Certifications or Inspections Required	

Other Anchor Lamina Spring Products

Anchor Lamina supplies the most extensive selection of springs and pressure control devices used in die sets, molds, fixtures and machines. Among the products Anchor Lamina stocks are the following:



Disc Springs

- ◆ Efficient use of space, providing high spring forces with small deflections
- ◆ May be used in series or parallel
- ◆ Available in a variety of sizes



DieMax™ L Die Springs

- ◆ Yields reliable, trouble-free performance
- ◆ High tensile strength chrome silicon material
- ◆ Optimal rectangular wire design



Marsh Mellow® Die Springs

- ◆ An effective alternative to costly nitrogen gas springs
- ◆ Widely used in the automotive and metal stamping industries
- ◆ Available from 1-1/8" to 6" O.D.



MRO Utility Springs

- ◆ Engineered for durability
- ◆ Unlimited applications for general utility and industry
- ◆ Available in a variety of compression and extension springs



Formathane® Urethane

- ◆ Specially formulated for metalforming
- ◆ Greater abrasion resistance
- ◆ Higher pressures with added durability

Distributed by:



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