Coned Extension Springs or Conical End Reduced Extension Springs are made by coiling two or three or even four coils of the spring body gradually smaller in diameter.

As with straight-bodied extension springs, a wide variety of ends are available for Coned Extension Springs including machine (twist) loops, crossover center loops, side loops, threaded inserts, swivel hooks, and extended hooks.The most common configurations can be made in conjunction with the manufacture of the conical extension springs bodies.

Coned Extension Springs are best suited for heavy duty or high cycle applications. The hooks can be designed for extended life, as compared to standard extension springs of similar dimensions. Swivel hook configurations can be particularly advantageous in that the ends are free to rotate to assure alignment and reduce hook stress.

Comprehensive Capabilities

End Configurations:

- Machine (Twist) Loops • Crossover Center Loops
- Side Loops • Threaded Inserts • Regular Extended Hook
- Crossover Center Hooks • Swivel hooks

Secondaries:

- Stress Relieve • Heat Treating • Passivation
- Plating • Painting

Wire sizes from .002" through .625"

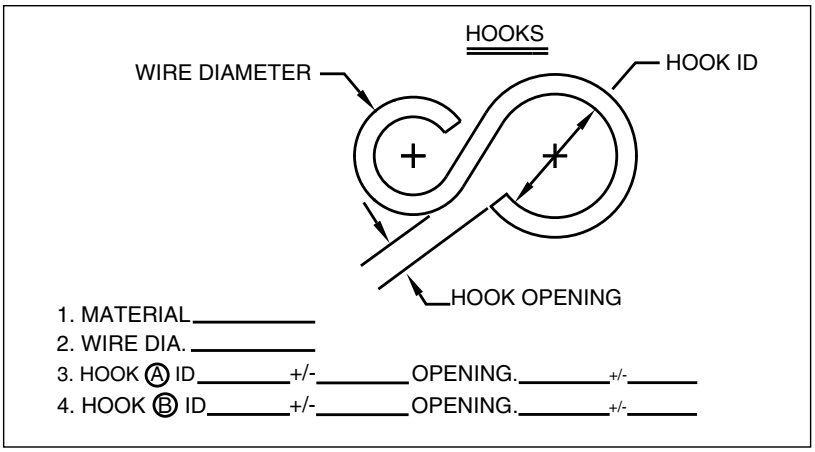
Materials:

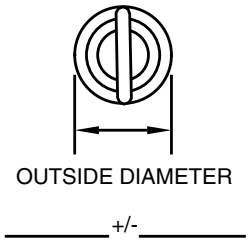
- Carbon Steels • Alloy Steels
- Stainless Steel 17-7, 302, 304 and 316 • Phosphor Bronze
- Hastelloy • Inconel 600, 718 and x750
- Beryllium Copper • Elgiloy®†

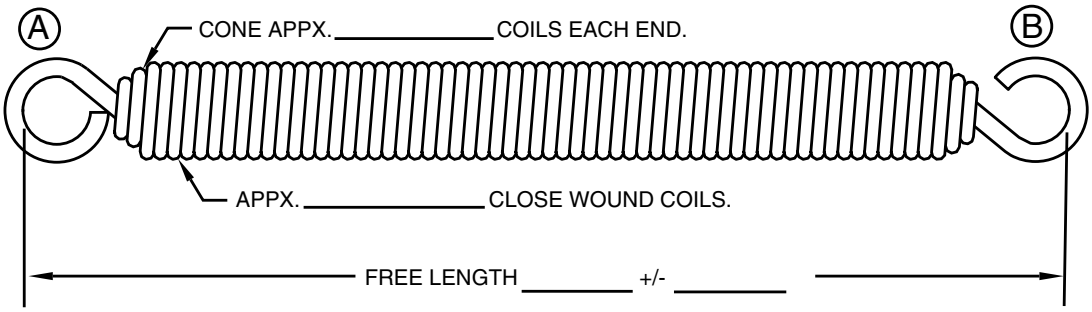
† Elgiloy is a trademark of Elgiloy Ltd. Partnership.

CUSTOM CONED EXTENSION SPRINGS

SPECIFICATION FORM







INDICATE UNITS OF MEASURE (IN. & LB.), (MM & KG)

1. **MATERIAL** _____
2. **WIRE DIAMETER** _____
3. **DIRECTION OF WIND** OPT LH RH
4. **IT** _____ +/- _____
5. **RATE** _____ +/- _____ BETWEEN _____ & _____
6. **LOAD 1** _____ +/- _____ @ _____
7. **LOAD 2** _____ +/- _____ @ _____
8. **MAXIMUM EXTENDED LENGTH (INSIDE ENDS) WITHOUT SET** _____
9. **FINISH** _____
10. **FREQUENCY OF EXTENSION**
    _____ CYCLES/SEC. AND WORKING RANGE
    _____ IN. TO _____ IN. OF LENGTH
11. **OPERATING TEMP.** _____ °F
12. **OTHER:** _____

COMPANY: _____

ADDRESS: _____

_____

CITY: _____

STATE: _____ ZIP: _____

CONTACT: _____

PHONE: _____

FAX: _____

EMAIL: _____

QUANTITIES TO BE QUOTED: _____

END USE OR APPLICATION: _____

_____

_____

_____