Smalley® Steel Ring Company

APPLICATION CHECKLIST

CUSTOM ORDERS...OUR SPECIALTY

SMALLEY WAVE SPRINGS

FAX TO: (847) 719-5999

Quick Delivery on Custom Orders • No-Tooling-Cost™ • Precise Specifications • Engineering/Design Assistance

Complete this application checklist and challenge Smalley's Engineering staff.

Name _____ Title _____ Date _____

Company _____ Phone _____ Fax _____

Address _____ Email _____

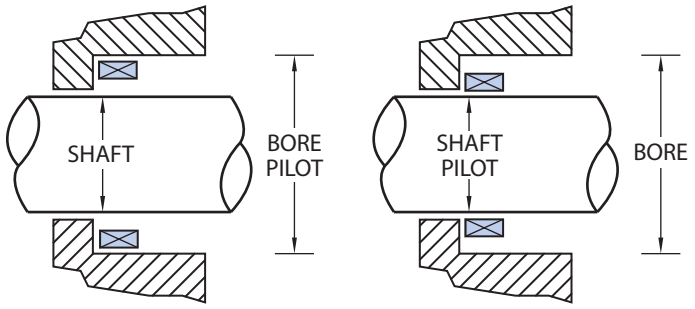
City _____ State _____ Zip Code _____ Country _____

DIMENSIONS IN: ◯ Standard Units ◯ Metric Units

Operates in _____ bore diameter

Inside diameter clears _____ shaft

Specify which diameter the spring should pilot closest to: ◯ Bore ◯ Shaft



LOAD DEFLECTION (Select One)

Group A

_____ (Min - Max Load) @ _____ (Work Height) ◯ lb @ in ◯ N @ mm

Free Height _____ Approximately

Group B

_____ (Minimum Load) @ _____ (Work Height 1) ◯ lb @ in ◯ N @ mm

_____ (Maximum Load) @ _____ (Work Height 2) ◯ lb @ in ◯ N @ mm

Free Height _____ Approximately

Group C (No load specified and spring rate is theoretical)

Free Height _____ (min) - _____ (max)

# of Waves _____ Material Thickness _____

Radial Wall _____

SKETCH

MATERIAL

Consider the environment:

Temperature _____ ° ◯ F ◯ C

Corrosive Media _____

_____

* Carbon Steel ◯
* 17-7 PH/C Stainless ◯
302 Stainless Steel ◯
316 Stainless Steel ◯
Inconel X-750 ◯
Other _____ ◯

_____

FINISH

* Oil dipped (Carbon Steel) ◯
* Vapor degreased and ultrasonic cleaned (Stainless Steel) ◯
Passivate ◯
Black Oxide ◯
Phosphate Coat ◯
Vibratory Deburr ◯
Other _____ ◯

_____

* Standards

FATIGUE: Specify estimated cycle life

◯ Static Application
◯ Under 10^5 Cycle Life
◯ 10^5 Cycle Life
◯ 10^6 Cycle Life
◯ Over 10^6 Cycle Life

QUANTITY: Prototype _____

Production _____

APPLICATION: (Description)

_____

_____

_____

_____

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