

# Springs Checklist

## Application Checklist Custom Orders...Our Specialty

Fax to: 847.719.5999

Smalley Wave Springs

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 \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_ Country \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

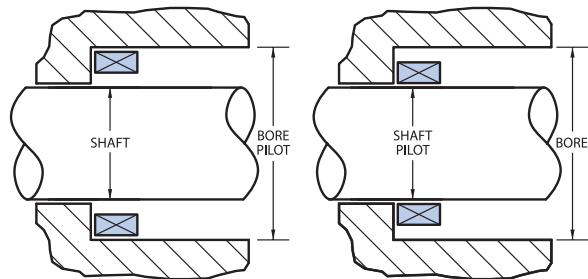
**Dimensions In:** ( ) Standard Units ( ) Metric Units

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 \_\_\_\_\_ Approximate

#### Group B

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

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

Free Height \_\_\_\_\_ Approximate

#### Group C

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 \_\_\_\_\_ ( )

### Fatigue:

Specify estimated cycle life

( ) Static Application ( ) 10<sup>6</sup> Cycle Life

( ) Under 10<sup>5</sup> Cycle Life ( ) Over 10<sup>6</sup> Cycle Life

( ) 10<sup>5</sup> Cycle Life

**Quantity:** Prototype \_\_\_\_\_

Production \_\_\_\_\_

**Application:** (Description)

\*Denotes standard material or finish.