

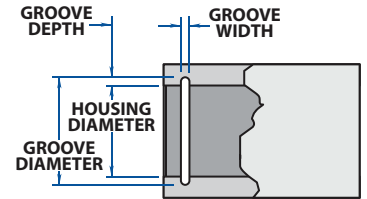
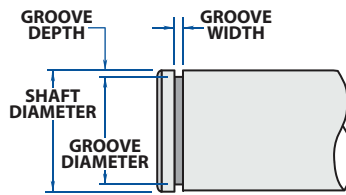
email to: info@smalley.com

Name _____ Title _____ Date _____
 Company _____ Phone _____ Fax _____
 Address _____ Email _____
 City _____ State _____ Zip Code _____ Country _____

DIMENSIONS IN Standard Units Metric Units

SPIROLOX® RETAINING RINGS

Housing Diameter _____
 Shaft Diameter _____
 Groove Diameter _____
 Groove Width _____
 RPM _____



Radial Wall _____

Ring Thickness _____

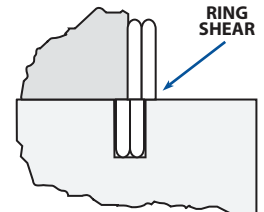
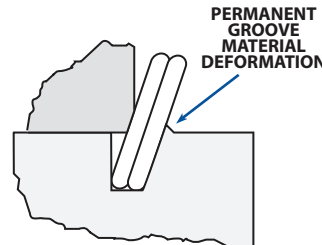
THRUST CAPACITY

1. Groove Deformation

Occurs when maximum capacity is limited by the groove material (groove material is soft)

2. Ring Shear

Occurs when maximum capacity is limited by the snap ring (groove material is hardened)



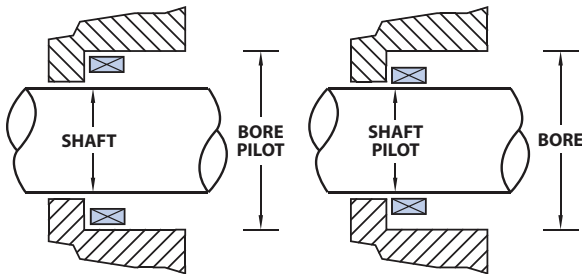
If thrust is a consideration specify _____

Groove Material _____

Maximum Capacity () lb () N _____

WAVE SPRINGS

Operates in _____ bore diameter or Inside diameter clears _____ shaft. Specify which diameter the spring should pilot closest to: () Bore or () Shaft



FATIGUE: Specify estimated cycle life

- () Static Application () 10⁶ Cycle Life
- () Under 10⁵ Cycle Life () Over 10⁶ Cycle Life
- () 10⁵ Cycle Life

LOAD DEFLECTION (Select One)

Group A

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

Free Height _____ Approximately

Group B

_____ @ _____ lb @ in N @ mm
 Minimum Load Work Height 1
 _____ @ _____ lb @ in N @ mm
 Maximum Load Work Height 2

Free Height _____ Approximately

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

Free Height _____ (min) - _____ (max)

of Waves _____ Material Thickness _____

Radial Wall _____

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MATERIAL	FINISH
Consider the environment: Temperature _____ ° <input type="radio"/> F <input type="radio"/> C	*Oil dipped (Carbon Steel) <input type="radio"/>
Corrosive Media _____	*Vapor degreased and ultrasonic cleaned (Stainless Steel) <input type="radio"/>
Carbon Steel ¹ <input type="radio"/>	Passivate <input type="radio"/>
17-7 PH/CH900 Stainless ² <input type="radio"/>	Black Oxide <input type="radio"/>
302 Stainless Steel ³ <input type="radio"/>	Phosphate Coat <input type="radio"/>
316 Stainless Steel ³ <input type="radio"/>	Vibratory Deburr <input type="radio"/>
Inconel X-750 <input type="radio"/>	Other _____ <input type="radio"/>
Other _____ <input type="radio"/>	_____ * Standard

NOTE: 1) STANDARD FOR RETAINING RINGS & WAVE SPRINGS; 2) STANDARD AVAILABLE FOR WAVE SPRINGS; 3) STANDARD AVAILABLE FOR RETAINING RINGS

QUANTITY
Prototype _____
Production _____
APPLICATION: (Description)

SKETCH

REQUEST SAMPLES	REQUEST CATALOGS
() Assorted Samples	() US Catalog
() Smalley Part Number: _____	() Metric Catalog
	() French Catalog
	() Linear Springs Supplement