

## SMALLEY SPIRAL RETAINING RINGS

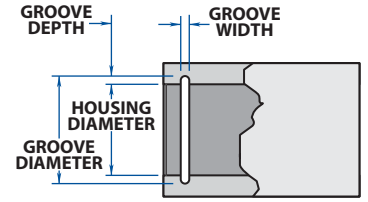
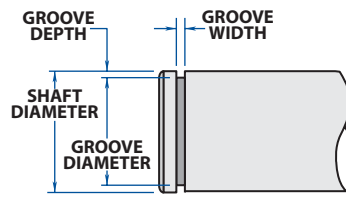
**FAX TO: (847) 719-5999**

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 \_\_\_\_\_

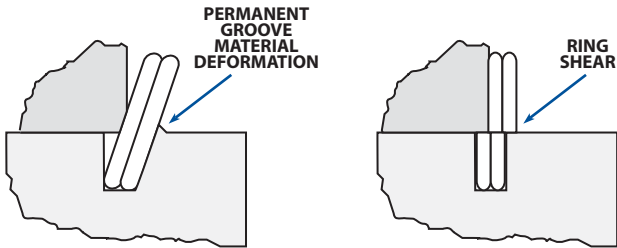
**DIMENSIONS IN:**     Standard Units     Metric Units

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

### MATERIAL

Consider the environment:  
 Temperature \_\_\_\_\_ °  F  C  
 Corrosive Media \_\_\_\_\_  
 \_\_\_\_\_  
 \* Carbon Steel   
 \* 302 Stainless Steel   
 \* 316 Stainless Steel   
 Inconel X-750   
 A-286   
 Other \_\_\_\_\_

### FINISH

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

\* Standards

### SKETCH

**QUANTITY:** Prototype \_\_\_\_\_  
 Production \_\_\_\_\_

**APPLICATION:** (Description)

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
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