



PARTNERS IN EXCELLENCE

RETAINING RINGS AND WAVE SPRINGS

Together, Smalley and TFC have earned a reputation for unsurpassed selection, reliability, and performance.

WORKING TOGETHER

Smalley and TFC have built a reputation for unsurpassed quality and an expert, collaborative engineering team.

Whether you need precision engineered products for the aerospace and medical industries, or the variety and availability for the industrial and oil & gas industries, we work together to give your products a true performance edge.



TFC
brings it together

Local engineering support and stock management solutions

TFC is the leading European supplier of Smalley Spirolox® Retaining Rings, Snap Rings, and Wave Springs. TFC provides customers with regional stock holding and the advantage of vendor managed inventory services. If we don't have the exact part to fit your needs, TFC's Product Managers and a team of fully trained engineers are available for a design consultation. This support ensures that you get the most effective solution for your application.



SMALLEY
THE ENGINEER'S CHOICE®

World-class manufacturing and innovative design

Smalley is the world leader in the manufacture and development of precision rings and springs. Smalley has more than 10,000 parts stocked in carbon and stainless steel. Our advanced manufacturing process allows for fast prototyping and the economical production of custom parts with **No-Tooling-Cost™**

DLF / VMI / KANBAN

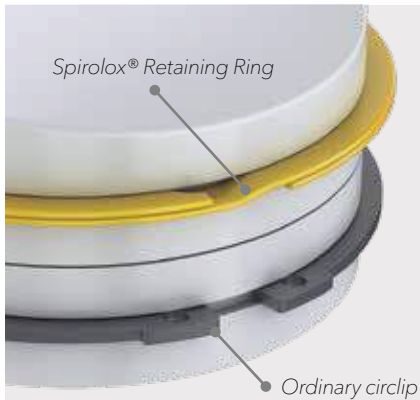
TECHNICAL SUPPORT

LOCAL STOCK



TO WORK FOR YOU

RETAINING RINGS



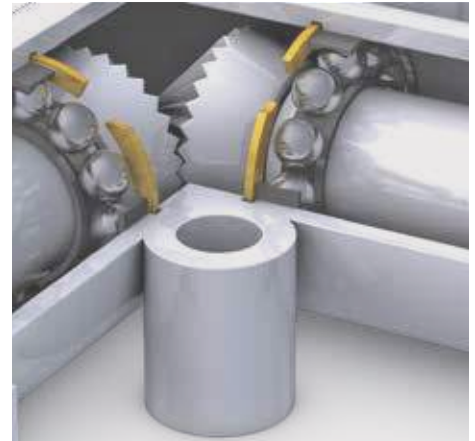
- No Ears to Interfere® with mating assembly components
- Easy to assemble and remove with no special tools
- Interchangeable with standard circlip grooves
- Over 6,000 standard parts available in carbon, 302 & 316 stainless steel

SMALLEY WAVE SPRINGS



- Reduction of spring height by 50% over ordinary coil springs
- Same force and deflection as ordinary springs
- Standard parts available in stainless steel
- Exotic Alloys available

CONSTANT SECTION RINGS



- Specified for heavy-duty and impact loading applications
- Large variety of end configurations to meet application requirements
- Interchangeable with Eaton style rings
- Over 1,000 standard parts in stock

A partnership you can trust:

- Local and factory engineering support
- Cross-industry design experience
- Over 10,000 standard parts
- Stainless steel standards and special alloys readily available
- Manufactured to ISO 9001:2008, TS 16949 AS 9100C, ISO 14001
- Custom designs from 4 mm to 3000 mm

A passion for our customers and their businesses

Together, our commitment to quality, customer service, and finding the most cost-effective solution is unmatched. Need a solution fast? Call your TFC Representative:

UNITED KINGDOM

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w: www.tfc-de.com

More than 10,000 products in stock for any application.



Wavo® Spring



Crest-to-Crest®
Wave Spring

Crest-to-Crest® Wave
Spring with Shims



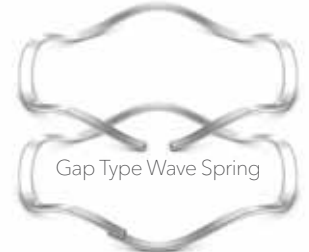
Interlaced Wave Spring



Spirolox® Retaining Rings



WaveRing®



Gap Type Wave Spring

Overlap Type Wave Spring



Laminar Seal Rings



Nested Wave® Spring



Constant Section Rings



Hoopster® Rings



Linear Springs

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