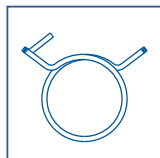
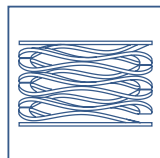
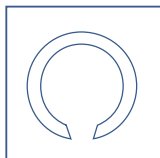
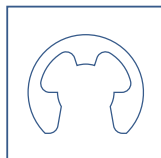
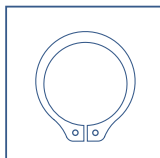
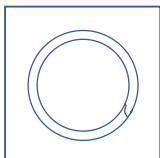
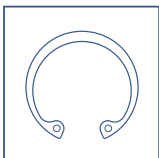


# PRODUCT OVERVIEW

[ROTORCLIP.COM](https://rotorclip.com)

**CIRCLIPS / RETAINING RINGS | SNAP RINGS | SPIRAL RETAINING RINGS  
WAVE SPRINGS | SELF-COMPENSATING HOSE CLAMPS**



# APPLICATION DRIVEN SOLUTIONS™



Rotor Clip products deliver quality and strength, backed by traceability, expertise and customer trust.

## YOUR APPLICATION, YOUR SOLUTION, WE MAKE THEM ALL

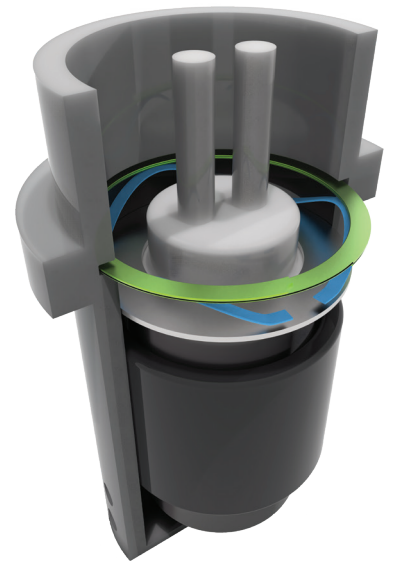
Rotor Clip is the global leader in the manufacture of Circlips, Wave Springs and Hose Clamps. With over 20,000 standard parts, we specialize in engineering the right part for the right application, every time, whether it is a standard or custom.

## **20,000 STANDARDS, ENDLESS CUSTOM CAPABILITIES**

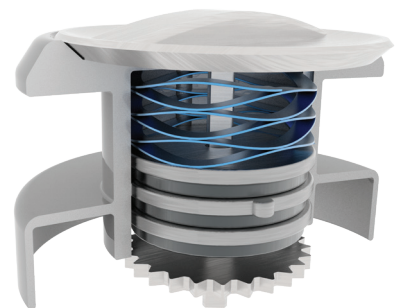
If our stock items are not the right fit, we are able to support your application requirements with a custom solution. We have designed and manufactured thousands of custom solutions across nearly every industry.

Our team of design, metallurgical and manufacturing engineers are available to consult with customers to solve difficult problems and ensure they receive the highest-quality, highest-performing products.

Throughout the years, Rotor Clip has received numerous quality awards from major OEMs, automotive manufacturers and distributors.



Exhaust sensor with flat end wave spring and spiral ring



Spinner reel with multi-turn wave spring

## **OUR PRODUCT OFFERINGS**

- Circlips
- Snap Rings
- Spiral Rings
- Wave Springs
- Hose Clamps
- Installation Tools



Linear worm actuator with internal circlip

## **OUR CERTIFICATIONS**

AS 9100	IATF 16949	ISO 9001	ISO 14001	ISO 13485	TISAX
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Learn about our extensive capabilities. Watch now.



## CIRCLIPS

- Axially Assembled - Internal/External
- Radially Assembled - External
- Self-Locking - External
- DIN - Inch - ANSI Metric - JIS
- Standards: 1mm to 1300mm / .040" to 15"
- Can accommodate higher thrust loadings
- Installation tools available
- Various materials and finishes available



## SNAP RINGS

- Axially Installed - Internal/External
- DIN - Metric - Inch
- Uniform material width - 3 point contact with groove when installed
- Offers more clearance than a tapered section ring
- Standards: 4mm to 450mm / .157" to 10"
- Highly customizable
- Various materials and finishes available



## SPIRAL RINGS

- Axially Installed - Internal/External
- DIN - Metric - Inch
- 360 degree contact with groove
- More clearance than tapered section rings
- Low thrust load applications
- Standards: 6mm to 400mm / .250" to 10"
- Highly customizable
- Various materials and finishes available including special alloys



## WAVE SPRINGS

- Up to 50% space savings compared to coil springs
- Metric - Inch
- Single-Turn and Multi-Turn designs
- Improve bearing and application life
- Available in plain ends, shim ends, and patented flat ends
- Various materials and finishes available including special alloys
- Custom configurations, sizes and materials



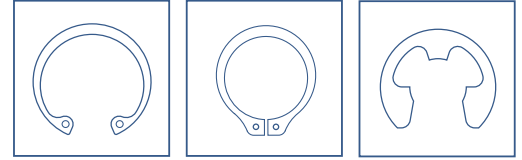
## HOSE CLAMPS

- Single Wire - Double Wire
- Constant Tension Band
- Self-compensating - No screws required
- Cannot be over/under tightened
- Expand and contract with temperature shifts
- Uniform hose pressure
- Installation ease



REQUEST  
SAMPLES

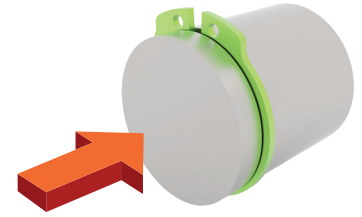
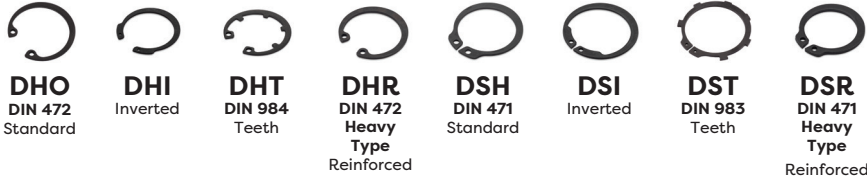
# PRODUCT INDEX



## Metric Standard Circlips, Axially Assembled

### Internal

### External



Axially Assembled

## E-Clips & Crescent Rings

## Self-Locking, Push-On & Grip Rings

### External

### External

### Internal



## ANSI Metric Circlips, Axially Assembled

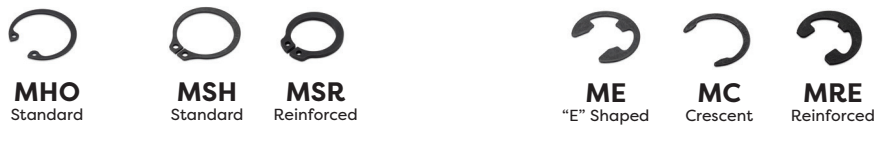
## ANSI Metric E-Clips & Crescent Rings

## JIS "E" Rings

### Internal External

### External

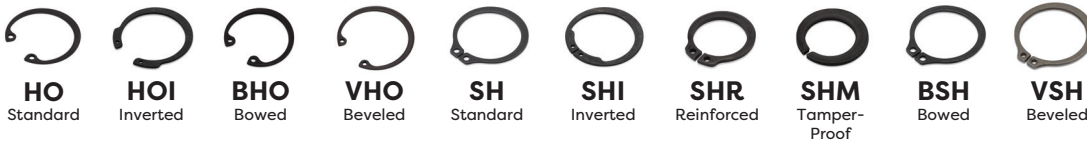
### External



## Inch Standard Circlips, Axially Assembled

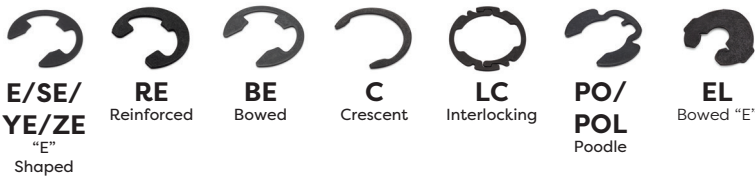
### Internal

### External



## Inch E-Rings and Crescent Rings

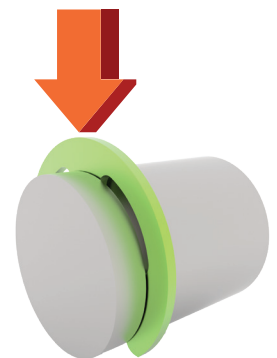
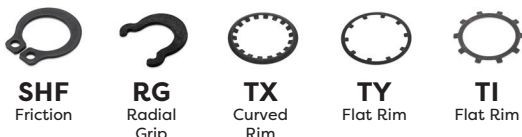
### External



## Inch Self-Locking, Push-On & Grip Rings

### External

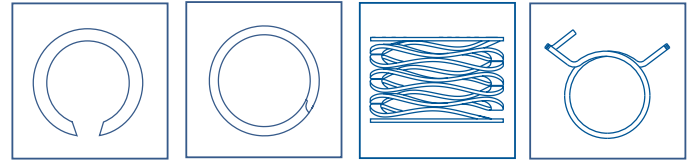
### Internal



Radially Assembled



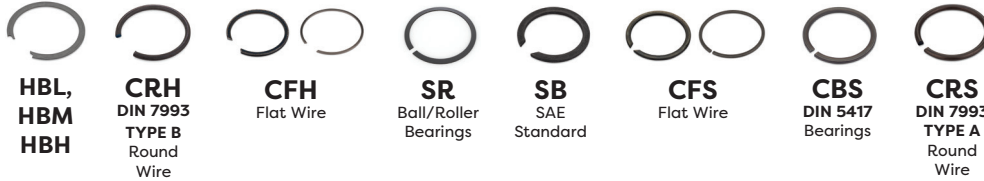
# PRODUCT INDEX



## Metric Snap Rings

Internal

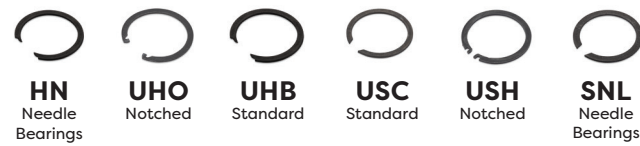
External



## Inch Snap Rings

Internal

External



## Shims

Internal/External



## Metric Spiral Retaining Rings

Internal

External



## Inch Spiral Retaining Rings

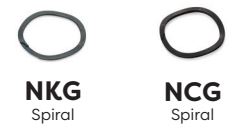
Internal

External



## Spiral Wave Rings

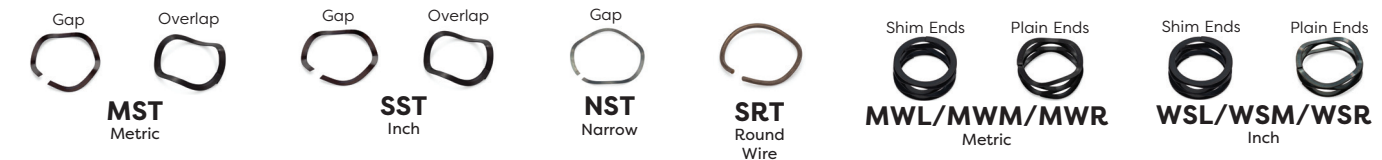
Internal External



## Wave Springs

Single-Turn

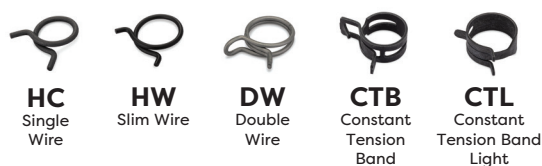
Multi-Turn



## Self-Compensating Hose Clamps

Wire Clamps

Band Clamps





## Coiled or Stamped, Engineered for You

- ® Every ring, every style,  
one manufacturer
- ® Standard & custom  
capabilities
- ® Diameters as small as 1mm
- ® Stainless steel &  
exotic alloys  
readily available

# Your Application, Your Solution, We Make Them All

® Reduce operating  
heights by 50%

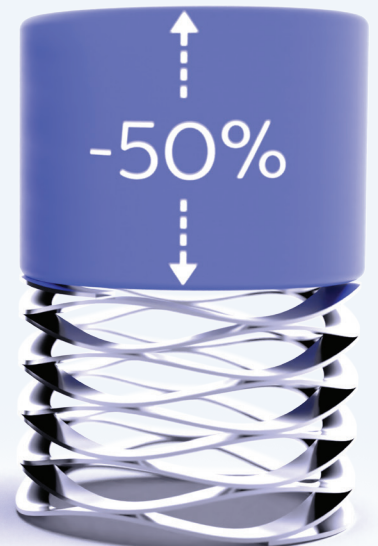
® Standard &  
custom capabilities

® Diameters as  
small as 3mm

® Stainless steel &  
exotic alloys  
readily available



Traditional Coil Spring



Rotor Clip  
Multi-Turn Wave Spring

Manufacturing, Sales,  
& Engineering 

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