



TRUE MANUFACTURING SOLUTIONS



**Aerospace products**

[americanring.com](http://americanring.com) | 800-635-1133

**AmericanRing**

American Ring manufactures and supplies retaining rings, snap rings, and Belleville disc springs. We are a family company committed to quality and service, providing our customers with true solutions. American Ring is big enough to matter and small enough to care. We pride ourselves on delivering service unmatched in the industry, taking our business personally, and always trying to ask the right questions.

### **1957**

Robert L. Morrissey creates R.L. Morrissey & Associates, based in Cleveland, OH. R.L. Morrissey & Associates operates as a manufacturer's representative for standard fastener companies.

### **1967**

R.L. Morrissey establishes a representation agreement with Anderton International of Bingley West Yorkshire, England. Anderton is a manufacturer of retaining rings and Belleville disc springs.

### **1976**

American Ring & Tool Company is created. The company becomes the United States Master Stockist for the Anderton International line of retaining rings and Belleville disc springs. American Ring & Tool establishes its warehouse and offices in Highland Heights, Ohio.

### **1979**

American Ring & Tool signs "Master Stockist Agreement" with Spirolox Retaining Ring, a Division of TRW INC., manufacturers of the "Spirolox" spiral-wound retaining ring.

### **1983**

Jack Morrissey, Robert Morrissey Jr. and James Morrissey take ownership of R.L. Morrissey & Associates, Inc., parent company of American Ring & Tool Co.

### **1989**

American Ring Manufacturing is founded by the Morrisseys and DH&S, Inc., with offices and production located in Romulus, Michigan.

### **1990**

American Ring acquires assets from Precision Ring Corp., consisting of ring coiling machines, heat-treat furnaces, wire drawing lines and residual tooling.

### **1998**

American Ring & Tool acquires Western Service & Supply of Santa Ana, California, a full line retaining ring distributor in the western United States servicing the aerospace and commercial markets.

### **2004**

American Ring & Tool acquires Meyer Retaining Ring of Milwaukee, Wisconsin, adding manufacturing and distribution software linking all operations.

### **2010**

American Ring Manufacturing moves manufacturing operation from Romulus, Michigan to 45,000 square foot facility in Livonia, Michigan.

### **2014**

New management team takes over day-to-day operation.

### **2017**

American Ring acquires Ringmasters LLC, (formerly Eaton Retaining Ring), a manufacturer of snap rings and circlips, and Alternative Surface Grinding, a double disc grinding and hyprolapping service provider for micro finishes and tight toleranced products/applications.

### **2018**

American Ring acquires the assets of S&M Retaining Ring, a manufacturer of tapered section inch, metric, and milspec retaining rings.

## Milspec Retaining Rings



**MSI6624**  
External



**MSI6625**  
Internal



**MSI6626**  
Inverted  
External



**MSI6627**  
Inverted  
Internal



**MSI6628**  
External  
Bowed



**MSI6629**  
Internal  
Bowed



**MSI6630**  
External  
Beveled



**MSI6631**  
Internal  
Beveled



**MSI6632**  
External  
Crescent



**MSI6633**  
External  
E-Ring



**MSI6634**  
External  
Crescent



**MS90707**  
External  
Grip



**MS90708**  
Interlocking



**MS3215**  
External  
Reinforced  
E-Ring



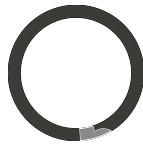
**MS3217**  
External  
Heavy Duty



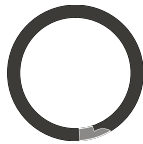
**M27426/1**  
External Medium  
Duty Spiral



**M27426/2**  
External Heavy  
Duty Spiral



**M27426/3**  
Internal Medium  
Duty Spiral



**M27426/4**  
Internal Heavy  
Duty Spiral

## Plating and Finishes

- 1 Cadmium Dichromate
- 2 Zinc Dichromate
- 3 Phosphate
- 4 PHI5-7 Stainless Steel
- 5 Beryllium Copper

*All finishes and materials manufactured in accordance with MIL-DTL-21248.*

## Milspec Pins

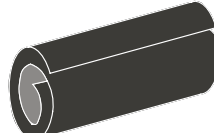
Slotted

MSI6562  
MSI71430  
MSI71790  
MS9047  
MS9048



Coiled

MS39086  
MS51923  
MS51987  
NAS1407  
NAS1407



Solid Dowel

MSI6555  
MSI6556  
MS3930



# Southco™ / DFCI™ / DZUS™ Quarter Turn Fasteners

## Draw Latches

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### 8415 / 7880 / 7883

- Compact design
- Multiple link options for application design and variances
- Padlockable options for added security



## 82 & 85 Lion series

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- High strength
- High cycle life
- High vibration resistance
- Variety of receptacle and head styles for application requirements



## D8 DZUS Panex Fasteners

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- Grip tolerant
- Moderate cycle life
- Moderate vibration resistance
- Variety of styles suited for your application



## Captive Screws

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- Stylized designer knob
- Knurled knob for hand operation
- Options to restrict access to service areas
- Variety of sizes, recesses, and installation options



## D4 DZUS Standard Line

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### 121J / 122J / 126J / 2350 / 2351 / 2500

- High clamping force
- High strength
- High vibration resistance



## D5 Panel Line

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### 3506-SC

- High strength
- High cycle life
- Vibration resistant
- Variety of receptacle and head styles for application requirements



## D5 Panel Line Receptacles

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### 3590-H320 3590-24865 3595-H320

- Available in angle, flat, and single hole varieties
- American Ring offers custom length options
- Highly customizable for specific application demands



## Why American Ring?

Our superior processes deliver greater efficiency. And we provide the very best service in the world. As quality and pricing can often be very similar across the industry, customers choose us because of a proven track record of value-oriented service.

Our philosophy extends from how we treat employees to how we manage the entire customer experience. A culture of integrity and respect drives business and improves the bottom line. Our service approach goes beyond parts and specifications; we are about delivering solutions, even ones our customers may not have known were possible.

## Engineering

Not all parts are created equal. Let our expert design and engineering team help you find the best part for your application. Whether it is a standard or a custom design, our engineers offer TRUE MANUFACTURING SOLUTIONS.

## Quality

American Ring meets the demand for quality through rigorous training, statistical analysis, empowered teams, new technologies and continuous process improvement. Our Quality System is certified to meet the requirements of ISO 9001:2015, AS9100D and AS9120B. Sustaining high quality allows us to give customers what they demand: low costs without sacrificing the highest quality in the industry.

Through continuous improvement, we will achieve zero mistakes to satisfy our customers.

## Contact

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