

Precision-Engineered Retaining Rings

MW Components manufactures custom, precision-engineered coiled retaining rings available in various end configurations, wire shapes, and finishes. The rings are used in a range of applications serving markets such as automotive, agriculture, construction, and general industrial.

Function of Retaining Rings

Retaining rings are designed for use on shafts or in bores. The ring installs into a groove, creating a shoulder to accurately position and retain other components of an assembly.

Retaining Rings vs. Traditional Fasteners

The advantages of using retaining rings include their ease of assembly, low cost to manufacture, and accuracy of positioning when compared to traditional fasteners. Retaining rings only require a groove where traditional fasteners require threaded components, mating threaded holes, access holes, or counter-bores. Retaining rings function with a minimal amount of surface preparation to either the shaft or the housing.

Retaining rings are also known as coil rings, coiled rings, snap rings, round wire rings, circlips, square section rings, rectangular section rings, custom shaped section rings, or tapered section rings.



MW Components Retaining Rings

- Wire rolling of standard sizes to custom sizes in-house
- Square and rectangular cross-section wire rings
- Special ends including notch, butterfly, angle
- Internal and external
- Grind to thickness
- Tight tolerances
- Low volume quantities
- Warehousing availability
- Lower raw material costs as part of the MW family of companies
- Engineered and manufactured in the USA



**Contact Us
to Learn
More!**

Retaining Rings Capabilities

Offering a Wide Variety of Retaining Rings for Your Dastening Needs



Retaining Rings Capabilities

Engineering

- Design & Development
- Print Development
- Samples
- Testing

Wire Rolling

- Rounded Edges:
 - Round to Rectangular
 - Round to Square
- Square Edges:
 - Rectangular to Square
 - Square to Rectangular
- 0.500" Maximum Material Width

Wire Shape

- Round
- Square
- Rectangular
- L-shaped
- Keystone
- Beveled Edge

Production

- Ring Coiling Machines
- Slide Machines

Secondary Processes & Finishes

- OD Grinding: 0.75" - 7.5"
- Shot Peen
- Vibra Finish
- Plating
- Phosphate Coating
- Phosphate and Oil

Materials

- Carbon Steel (SAE 1060-1090)
- TMB ASTM A229
- Chrome Silicon
- Phosphor Bronze
- Stainless Steel

Packaging

- Bulk Stacked
- Oriented and Roll Wrapped
- Plastic Shrink Wrapped

Certifications

- ISO 9001:2008
- ISO/TS 16949:2009
- ITAR Compliant



Ring Ends



Reverse angle cut ends with slight dubb cut.



Round wire angle cut ends.



Straight cut ends.



Custom formed ends.



Straight cut ends with OD notches.



Rounded ends with ID notches.



Angle cut ends.



Custom shaped & formed ends with holes.



Butterfly cut & straight cut ends.



Butterfly cut both ends.



Dubb cut both ends.



Custom shape cut ends.

To learn more visit MWComponents.com or contact us at 704.280.8875 | sales@mwcomponents.com

