

RINGS

Gestión de Compras have the means to produce a wide variety of industrial rings on different material, sizes, forms and finishes.

PRODUCT:

RETAINING RINGS

Also called as snap rings, are fastener parts that retain a component or assembly on a shaft or housing, for this purpose is necessary a groove on the shaft/housing. The followings are the principal types of retaining rings.

Internal retaining ring.

Internal retaining rings or circlip, are compressed into the inside of a housing or a bore for a secure fit. The assembly of this type of retaining part is axially. Once installed in the groove of a housing/bore, the portion of the ring protruding from the groove (also called a "shoulder") holds an assembly in place.



External retaining ring.

External Rings fit into the groove of a shaft. The portion of the ring that protrudes from the groove holds the assembly in place. The installation of external retaining rings are axial.



E-type

A specific type of retaining ring, is named for its rounded "E" shape. E-Clip fasteners require a slotted shaft to hold items in place, such as bearings. This type of ring is fixed radially on a groove from a shaft. The three prongs of the E-Clip make contact with the bottom of the groove and provide a shoulder for effective retention of the assemblies.



Spiral Ring

These retaining rings are easy to install and remove. They are circular grain, have no burrs and are created with a uniform cross-section, so they do not interfere with mating components or inhibit assembly processes. This type of retaining rings are manufactured by flat wire coiling.



Self-locking

Also called push-on, could be external or internal retaining rings. This ring features a curved outer rim with a series of prongs protruding into the center for external applications or protruding outward for internal. The ends create interference with the shaft or the housing when the ring is installed and a load introduced to the other side.



WIRE BENDING RINGS

O-ring

Metal O-Rings are designed to provide a sealing option for special applications especially high pressure/temperature that require minimal spring back. This rings are made from high strength metal tubing that is coiled, cut and welded to size. Typical applications include performance engines, plastic extrusion, military specifications, aerospace and chemical processing. Besides sealing applications are also used as fasteners for belts, bags, straps, or tie downs, etc.



D-rings

Exist a wide variety of D rings in multiple finishes, materials and sizes. D rings are used for all sorts of bag hardware such as handbag hardware, purse hardware, lasing points, briefcase hardware, and belt hardware.



The before mentioned rings are only some examples, our suppliers can produce wide variety of rings, such as, metal loops, V-Rings, special retaining rings, or custom rings.

PRODUCTION:

In **Gestión de Compras** we have the means to produce a wide variety of industrial rings on different material, sizes, forms and finishes. Our suppliers are capable of produce standard and custom rings by different methods such as stamping, wire bending, welding, etc.

Exist rings with different wire types. It can be round wire, square wire, rectangular wire or specially shaped wire.

Besides we offer a wide variety of finishes, in order to meet customer needs.

- Vinyl coated
- Passivation.
- Phosphate.
- Zinc plating.
- Oil finish.
- Cadmium plating.
- Etc.

MATERIALS:

For general purposes metallic rings is common use the following three metals:

- Carbon spring steel (SAE 1060-1090/UNS G10600-G10900).
- Stainless steel (PH-15-7Mo/UNS S15700)
- Beryllium copper (Alloy #25/UNS C17200)

For special applications is possible produce industrial rings in others metals, such as Monel, aluminum or titanium, and polymeric materials. For example, to produce O-rings for sealing purposes is common use different kinds of polymers and rubbers.

STANDARD AND CERTIFICATES:

We have the means to ensure our products comply the general regulation and the specific certificated regulations in manufacturing products that requires them.

- ISO 9001 and ISO 14001.
- TS 16949.
- OHSAS 18001.
- DIN 471, DIN 472, DIN 983...
- ANSI B27.7.



CONTACT:

In **Gestión de Compras** work with a wide range of customers from different sectors but have in common the search for products that suit your needs at the best Price and the guaranteed maximum quality. Check with us about any product. We have a qualified staff who will advise you.

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