

Dichtomatik Wear Rings assure concentric operation of rods and pistons. This enables the cylinder to handle higher pressures and side loading. Dichtomatik Wear Rings allow your cylinders to run smoother and increase seal life.



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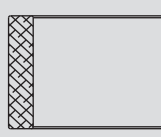
Dichtomatik Wear Rings



ADVANTAGES

- Extends Cylinder Service Life
- Maintains Concentricity within the Cylinder
- Prevents Metal to Metal Contact
- High Load Bearing Capability
- High Wear Resistance

Standard Wear Rings provide a precision tolerance of $\pm 0.0025"$ on the ring cross section. If tighter tolerances are required, Dichtomatik can also provide Wear Rings with a $\pm 0.0015"$, $\pm 0.0010"$, or $\pm 0.0005"$ cross section tolerance.



Standard Wear Rings are manufactured with a butt cut. Scarf cuts are available upon request.

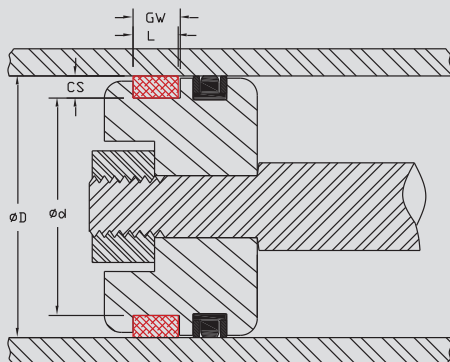
Standard Wear Rings are manufactured with a 0.125" cross section

Materials

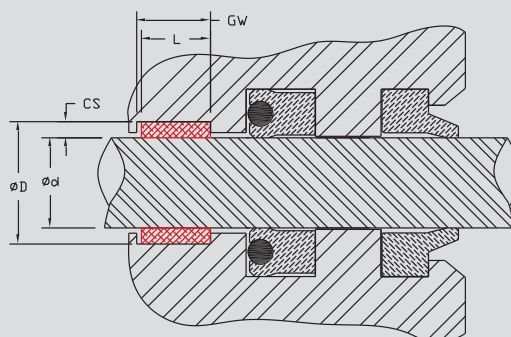
| Abbreviation | Full Material Name | Advantages |
|--|-------------------------|---|
| 40% Glass filled Nylon (Standard Material) | Polyamide | Nylon provides high compressive strength and load bearing capabilities with low wear properties. |
| 40% Bronze filled PTFE | Polytetrafluoroethylene | PTFE has improved elongation characteristics, chemical resistance, and a low coefficient of friction. |

$$GW = L + 0.010"$$

Piston Application



Rod Application



Part numbers call out $\varnothing D$ and L and will only call out the CS if it does not equal 0.125"
Example: WR-1750x500 is a 1.750" $\varnothing D$ x 0.500" L
(1.500" $\varnothing d$) with the 0.125" CS

While the WR series works well in most piston and/or rod applications, for challenging cylinder assemblies try our WRR series Wear Ring designed specifically for rod applications.

D = Outside Diameter
 d = Inside Diameter
 CS = Cross Section
 L = Wear Ring Length
 GW = Groove Width

*Call customer service for pricing and availability.



DICHTOMATIK

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Dichtomatik Americas Products

Fluid Power Seals

- NuPac Seals - O-Ring energized U-Cups
- Tee Seals
- Polyurethane U-Cups
 - MA25: Symmetrical U-Cup
 - MA39: Double Lip Rod Seal
 - MA28: Asymmetrical Piston Seal
- NBR U-Cups
 - AN6226 series
 - 8400/8500 series
- PTFE Seals
- Wear Rings
- Rod Wipers — AN, D, H, Metal Clad
- Back-Up Rings

Spliced Rings and Extruded Cord

- Spliced O-Rings, precision vulcanized
- Extruded Cord in various compounds and cross-sections
- Splicing Kits

Radial Shaft Seals

- Oil Seals
- Grease Seals
- Medium Duty Oil Bath Seals
- AP Excluder Seals
- Axial Face Seals
- V-Rings
- Valve Stem Seals
- End Caps
- SHAFT-EZE Shaft Sleeves

Fitting and Fastener Seals

- Thread Seals
- Fastener Seals
- Bonded Seals

Custom Molded Rubber

- Rubber Only
- Rubber-to-Metal Bonded
- Unique shapes and materials to your specifications

O-Rings

- All AS568 sizes in stock, including
 - NBR 70 and 90
 - FKM 75 Black and Brown
 - EP70
 - Silicone 70
- Metric O-Rings
- Select sizes of:
 - PTFE-Encapsulated FKM and Silicone
 - Polyurethane
 - Solid PTFE
- Wide variety of materials available
- O-Ring Kits
- X-Rings
- D-Rings
- Square Rings
- Back-Up Rings

... and many more products — just call us!