Cat® Hydraulic Cylinder Rod Seals



Cat wiper, U-cup and buffer seals are designed to work together to provide optimum sealing performance in Cat hydraulic systems.

Better designs, better material, better value.

When it's time for repairs, you shouldn't overlook any part, regardless of size. Even parts as small as seals have a big impact on machine performance, contamination control and operating costs. That's why selecting the right seals is so important, and why Caterpillar is dedicated to designing the best-performing seals in the industry.

Cat rod seals are designed to work together to deliver optimum sealing performance and lower operating costs in Cat hydraulic systems, something you risk when purchasing other brands of seals. All Cat rod seals—wiper, U-cup and buffer—feature a proprietary urethane material and patented designs.

When you need new hydraulic cylinder rod seals, don't install doubt. Turn to us for genuine Cat seals. Discover the difference better designs and better material make.

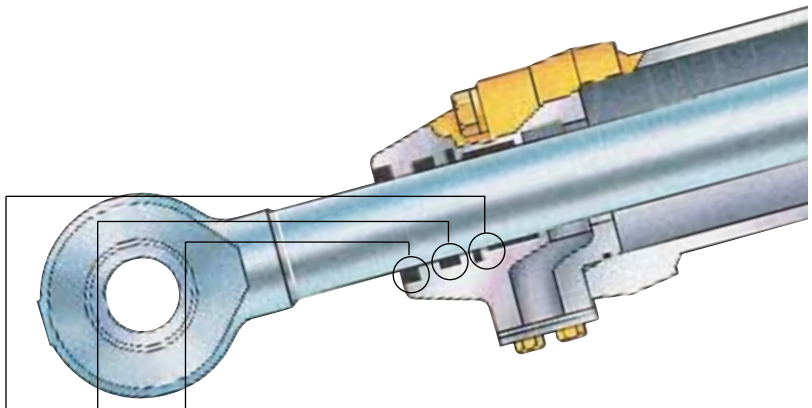
Caterpillar. The difference counts.™

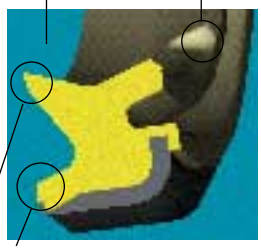
Cat Dealers define world-class product support. We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investments.

CATERPILLAR®

Cat Hydraulic Cylinder Rod Seals





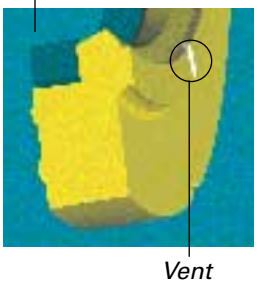
Wiper Seal

Cat wiper seals feature a patented double-lip design that provides optimum contact with the rod to keep out contaminants. Also, vents molded into the radius of the internal lip help prevent these seals from unseating themselves during operation.



U-cup Seal

Cat U-cup seals also feature a double lip. This design ensures uniform contact of the oil-sealing lip, helping deliver top performance and wear life. Cat U-cup seals work together with the buffer seals to optimize sealing performance while minimizing pressure buildup.



Buffer Seal

Cat buffer seals last longer because they're designed to be pressure-activated. Unlike compression buffer seals, these Cat seals exert pressure on the rod, only when necessary. And because vents provide a passage for high pressure to be relieved back into the cylinder, Cat buffer seals minimize pressure buildup, reducing U-cup failure.

For more information about Cat hydraulic cylinder rod seals or your other hydraulic system needs, see us today or visit our Web site at www.cat.com.

Better Design

Cat wiper, U-cup and buffer seals feature design improvements that enhance performance, reduce leakage and increase seal life.

Better Material

Cat hydraulic cylinder rod seals feature a proprietary urethane material that delivers improved performance over the material used in previous seals. This proprietary material provides:

- *Better compression set.* Compression set measures a material's ability to rebound to its original shape after compression. Cat urethane material offers up to 25% improvement in compression set capabilities over previous materials, without sacrificing tensile strength or seal hardness levels.
- *Wider temperature application.* Cat hydraulic cylinder rod seals can work in a wider range of operating temperatures than previous designs, without seal degradation.

Better Value

In our shop, resealing hydraulic cylinders involves more than installing new seals. To help you get the full life of the new seals, we light hone cylinder tubes. We also practice contamination control, have tooling for proper disassembly and assembly, reassemble to Cat specs, and have pressure test capability.

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