

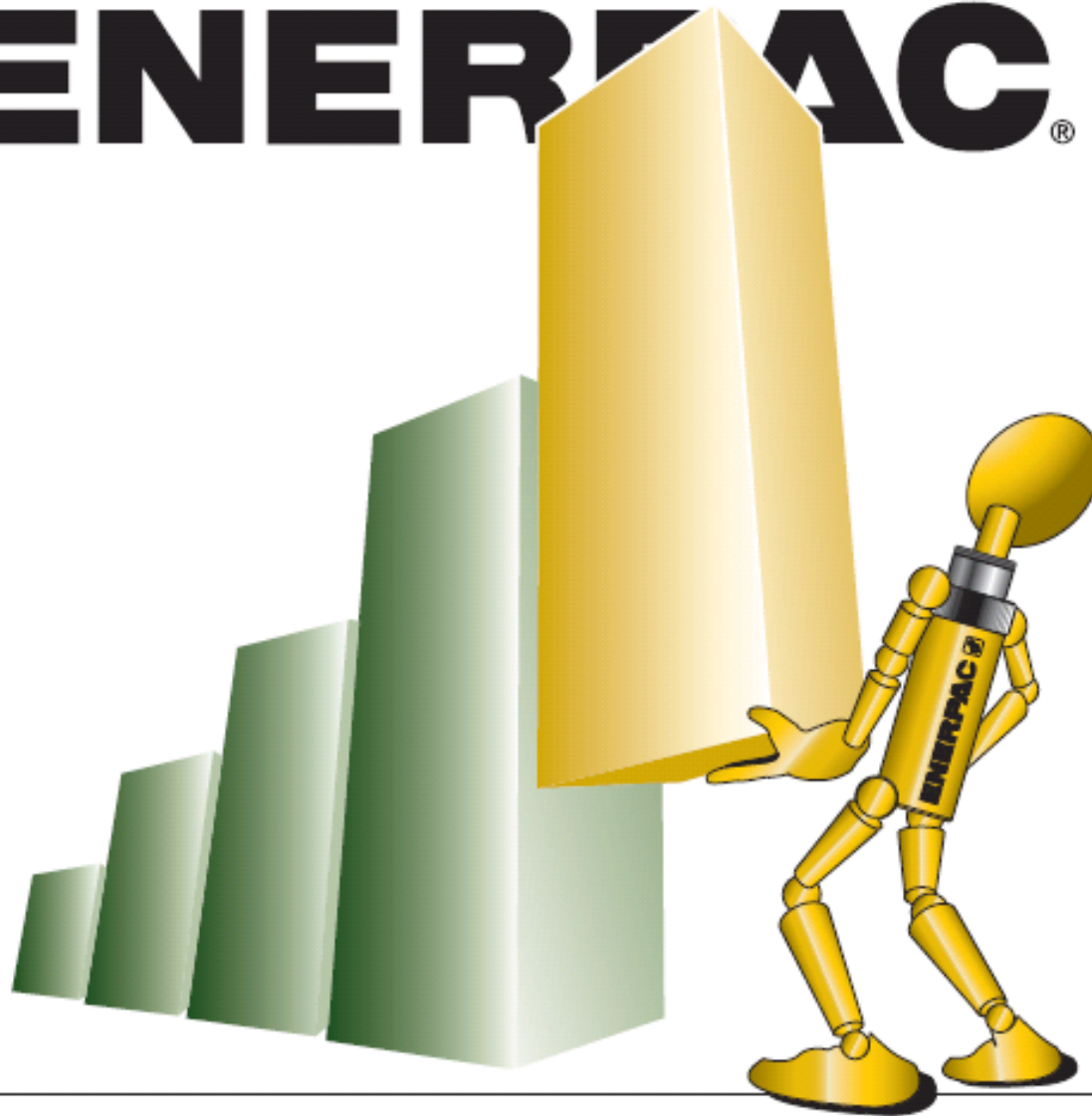
# RC-Series Duo Cylinder

Lift Your Expectations

# Lift Your Expectations


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# RC-series Duo Cylinder

- **LONGER LASTING.** The unique GR2 bearing system protects the RC-Series Duo cylinder seal by surrounding it. This innovative design also distributes lateral loads more effectively, increasing cylinder life, to help you stay on the job longer.
- **FASTER.** The heavy-duty, pre-tensioned spring with improved retraction rate gets the job done fast. Easy access design requiring only standard shop tools reduces maintenance downtime.
- **TOUGHER.** The RC-Series Duo's new GR2 dual bearing technology easily withstands lateral forces and dynamic loads preventing galling and premature bearing failure, keeping the work moving forward on schedule, safely.
- **Experience the dramatic boost of productivity** that only the NEW RC-Series Duo Cylinder can give you. Ask your representative for more information or visit us online. Lift your expectations.



**LIFT YOUR EXPECTATIONS**  
Meet Our NEW RC-Series Duo Cylinder.

**LONGER LASTING.** The unique GR2 bearing system protects the RC-Series Duo cylinder seal by surrounding it. This innovative design also distributes lateral loads more effectively, increasing cylinder life, to help you stay on the job longer.

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VISIT [ENERPAC.COM](http://ENERPAC.COM) TO LEARN MORE

**ENERPAC**   
POWERFUL SOLUTIONS. GLOBAL FORCE.

## ■ Enhanced **PRODUCTIVITY**

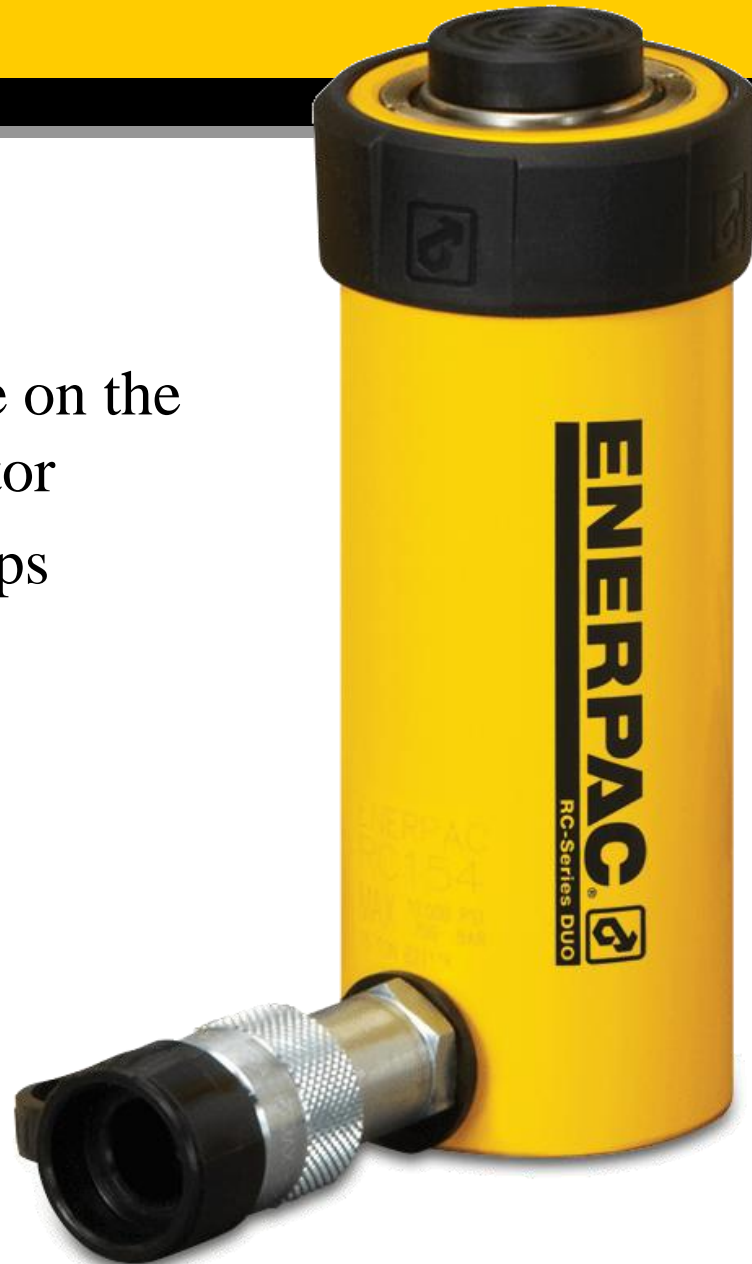
- Save time on the job
  - Improved retraction speed for faster cycles, greater productivity
- Longer time between required product maintenance
  - RC-Series Duo technology uses two Golden Ring Bearings
- Back on the job fast
  - Simplified and fast maintenance with standard shop tools



**Save TIME  
on the Job!**

**Improved retraction speed  
for faster work cycles**

- **Easier to use with gloved and oily hands**
  - New shape and texture on the cylinder thread protector
  - Pliable coupler cap pops on or off quickly and easily...no more time spent twisting



- **Increased durability**
  - GR2 Bearing System surrounds the seal with protection for dramatic side-load performance and extended operating life



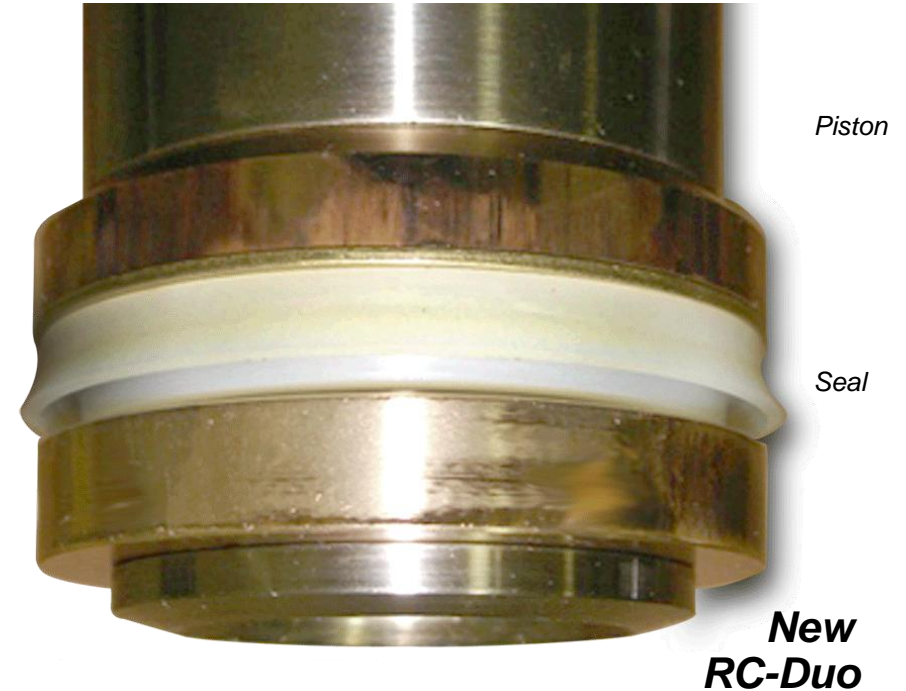
# GR2 Bearing System

## ■ Golden Ring

- Unique bearing design which absorbs eccentric load stresses
- Protects against excessive wear for long, trouble-free operation

## ■ GR2 Bearing System

- Surround the seal with two Golden Rings
- Dramatic side-load performance
- Extended operating life in demanding lifting applications
- Tested to 100k full-pressure cycles
- Exceeds 6k cycles at 5% full-capacity side-loads



- **Faster retraction**
  - Heavy duty, pre-tensioned spring increases piston rate of retraction for shorter cycle times and enhanced productivity



# Faster Operation

- **New Heavy-Duty Return Spring**
  - Over 20% improved retraction time on average
  - Larger capacity models are over 40% improved
- **Pre-Tensioned Mounting**
  - Reduce cylinder retraction time for faster cycles to increase productivity



## ■ Easier to Maintain

- Easy assembly and disassembly with external access to fasteners using standard shop tools



# Maintenance and Assembly

## ■ Easy assembly and maintenance

- External assembly...Retraction spring mounts from top of piston with standard Allen wrench.
- Hex socket head bolt engages integral spring insert to provide top spring retention

## ■ No special tools required

- Fasteners for engaging retraction spring to piston head are accessible externally with standard shop tools



**New  
RC-Duo**  
*Top of piston shown*



### **RC - old style**

- *Internal assembly*
- *Retraction spring mounts from inside piston with long extension wrench*
- *Top spring retention bolt is capped with an acorn nut*

# RC Re-Cap

- Additional shape and texture to the cylinder thread protector and pliable plug-in/pop-off coupler cap for easy operation with gloved and oily hands
- The GR2 Bearing System surrounds the seal with protection for dramatic side-load performance and extended operating life
- Heavy duty, pre-tensioned springs increase piston rate of retraction for faster cycles and enhanced productivity
- Easy assembly and disassembly with external access to fasteners using standard shop tools



## ■ Design Tests

- Exceed 100,000 Full-Load Cycles
- Exceed 6,000 Full-Load Cycles at 5% Side-Load

## ■ Initial Production Units Tested

- Over 20% improved retraction time on average
- Larger capacity models are over 40% improved

## ■ Field tests

- Over 50 units in extreme duty at customer sites since March 2010





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**Thank You**