Rod Seals
**Rod Seals**

**Assymetrical unloaded u-cup**

- **Pressure**: 6,000 PSI
- **Temperature Range**: -50º – +250º F
- **Velocity**: 3.2 feet/sec
- **Materials**: Urethane, Hytrel™
- **Features**: Pressure energized seal, Back beveled lip, Bump heel, Film breaking
- **Applications**: Mobile hydraulic, Agricultural, General industrial

**Beveled loaded u-cup**

- **Pressure**: 6,000 PSI
- **Temperature Range**: -50º – +250º F
- **Velocity**: 3.2 feet/sec
- **Materials**: Urethane, Hytrel™, Nitrile, Viton™
- **Features**: Energized seal, Back beveled lip, Film breaking
- **Applications**: Mobile hydraulic, Agricultural, General industrial, Medium duty cycle

**Deep loaded u-cup**

- **Pressure**: 6,000 PSI
- **Temperature Range**: -50º – +250º F
- **Velocity**: 3.2 feet/sec
- **Materials**: Urethane, Hytrel™, Nitrile, Viton™
- **Features**: Energized seal, Improved extrusion resistance, Improved stability
- **Applications**: Mobile hydraulic, Agricultural, General industrial, High duty cycle

**Double lip u-cup**

- **Pressure**: 6,000 PSI
- **Temperature Range**: -50º – +250º F
- **Velocity**: 3.2 feet/sec
- **Materials**: Urethane, Hytrel™, Nitrile, Viton™, HNBR, Low-temp nitrile*, Carboxylate nitrile*
- **Features**: Low compression set, Secondary lip, Extrusion resistant base, Low-temp sealing
- **Applications**: Heavy duty, Mobile hydraulic, Telescopic cylinder, High duty cycle

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**Nothing gets past our seals!**

There’s no room for compromise if your business relies on lasting, consistent quality seals. All Seals is an industry leader in meeting the demanding requirements of Original Equipment Manufacturers in the areas of fluid power, chemical processing, agricultural, food & beverage, plumbing and other markets for seals and related custom parts.

Our standards are unsurpassed. We source our seals from respected domestic and international companies renowned for their quality and engineering programs. We stock both standard and custom parts for our customers, assuring you a constant supply to meet your exact demands.

All Seals also provides extensive value-added services, including JIT/Kanban programs, pre-production and MRO kitting, special marking and packaging options and more. Call us about your special needs.

For specific material recommendations, please refer to our compounds brochure. For additional information, contact our responsive customer service department at 800.553.5054.

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### DOUBLE LIP U-CUP WITH ANTI-EXTRUSION RING

- **Pressure**: 10,000 PSI
- **Temperature Range**: -50º – +250º F
- **Velocity**: 3.2 feet/sec
- **Materials**: Urethane, Nitrile
- **Features**: Low compression set, Secondary lip, Anti extrusion ring, Low-temp sealing
- **Applications**: Heavy duty, Mobile hydraulic, High pressure, High duty cycle, Pressure spikes, Large extrusion gaps

*Note: Lip material*

### SPRING ENERGIZED

- **Pressure**: 10,000 PSI
- **Temperature Range**: -450º – +550º F
- **Velocity**: 3.2 feet/sec
- **Materials**: UHMWPE, PTFE, PEEK, S/S spring
- **Features**: Low compression set, Secondary lip, Low-temp sealing, Low friction, Widest P/T range, Custom design
- **Applications**: Petro-chemical, Low friction, Extreme temperatures, Corrosive fluids, High duty cycle

### STANDARD BUFFER

- **Pressure**: 6,000 PSI
- **Temperature Range**: -50º – +250º F
- **Velocity**: 3.2 feet/sec
- **Materials**: Filled PTFE, Nitrile
- **Features**: Protects rod seal from pressure spikes, Lower friction, longer life, Vents back pressure
- **Applications**: Any application requiring secondary sealing to reduce effects of pressure spikes, Medium duty cycle

### PREMIUM BUFFER

- **Pressure**: 10,000 PSI
- **Temperature Range**: -50º – +250º F
- **Velocity**: 3.2 feet/sec
- **Materials**: Filled PTFE, Nitrile
- **Features**: Protects rod seal from pressure spikes, Lower friction, longer life, Vents back pressure
- **Applications**: Any application requiring secondary sealing to reduce effects of pressure spikes, High duty cycle, Large rod size

**Note:** Capabilities shown in this brochure are directly related to design tolerances. Please consult with All Seals for your specific application.
ALL SEALS
THE SEALING SPECIALISTS

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