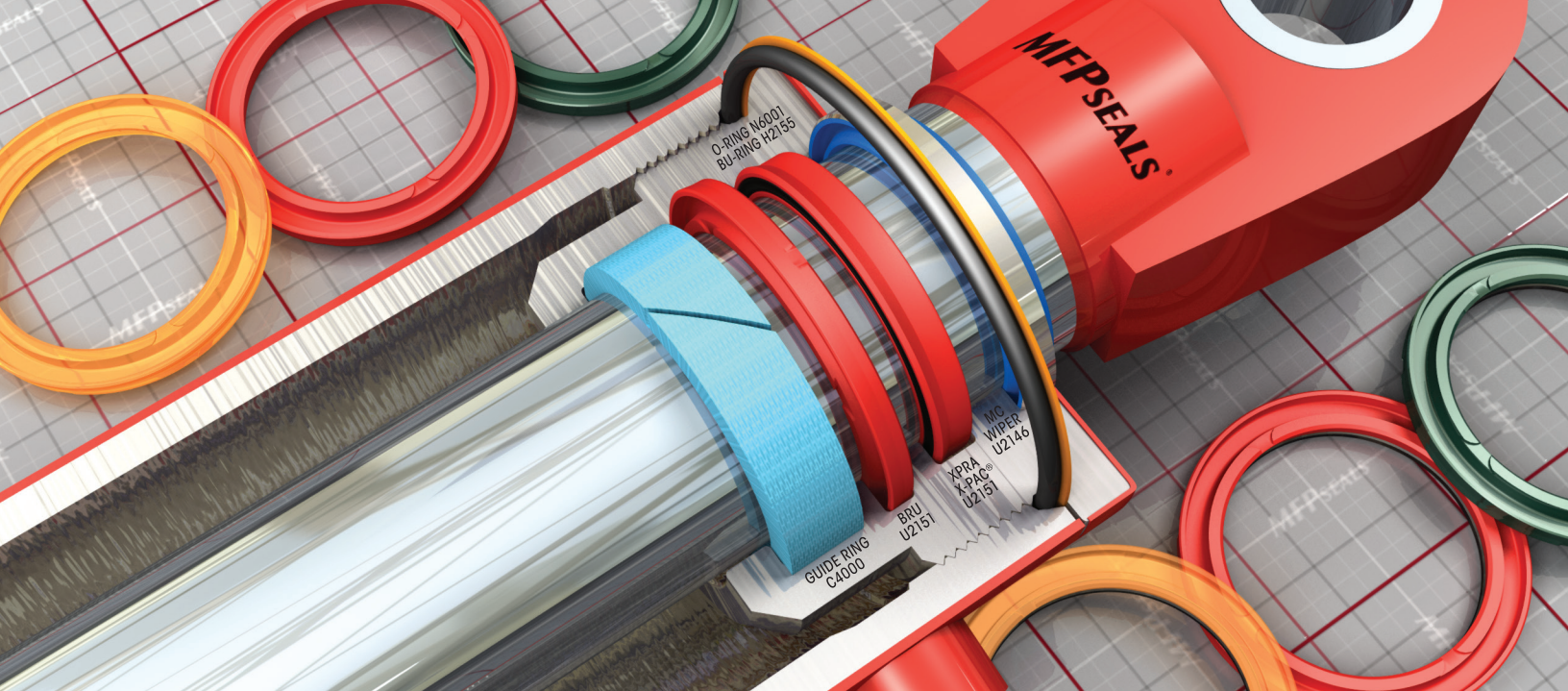


A product of MFP Seals.

ROD BUFFER SEAL

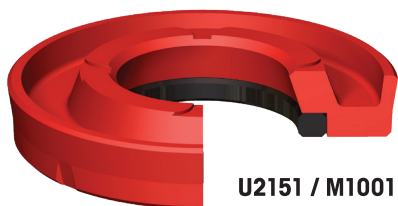
WITHOUT ANTI-EXTRUSION RING



U2151

Pressure: 344 bar (5,000 psi)*
Max. Velocity: 0.5 m/s (< 1.6 ft./s)

WITH M1001 ANTI-EXTRUSION RING



U2151 / M1001

Pressure: 689 bar (10,000 psi)*
Max. Velocity: 0.5 m/s (< 1.6 ft./s)

MFP Seals' BRU - Rod Buffer Seal is a dual-purpose design, being both a secondary rod seal, and a buffer ring for the primary rod seal. It takes on a large portion of the sealing load and protects the primary rod seal from pressure spikes. The BRU is designed with special relief vents to eliminate pressure traps between it and the primary rod seal, while allowing enough fluid and pressure to pass through to energize the primary rod seal.

Available in both Inch (BRU) and Metric (MBRU) sizes, this seal is available in U2150, U2151, and U4150 Urethane compounds. This seal offers extremely low compression set and excellent extrusion resistance. Working together with the primary rod seal, the rod buffer enhances performance in extreme applications. The addition of an M1001 Anti-Extrusion Ring will significantly increase the seal's extrusion resistance and pressure rating.

Compound Name	Hardness	Material	Color	General Description	Temp. Range
U2150 - Ultraflex™ (TPU)	91 Shore A	Urethane	Dark Green	Aromatic Polyether-based Thermoplastic Polyurethane	-50°C to +110°C -58°F to +230°F
U2151 - Ultraflex™ (TPU)	95 Shore A	Urethane	Red	Aromatic Polyester-based Thermoplastic Polyurethane	-53°C to +120°C -65°F to +250°F
U4150 - Ultraflex™ (TPU)	92 Shore A	Urethane	Transparent Tan	PPDI based Thermoplastic Polyurethane	-43°C to +121°C** -45°F to +250°F**
M1001 - POM	82 Shore D	Engineered Plastic	Black	Acetal: Polyoxymethylene (POM) Excellent sliding and wear behavior.	-50°C to +100°C -58°F to +212°F

Standard sizes are readily available, other sizes are available upon request, but may require tooling and additional lead time. Contact MFP Seals Engineering Department for further details. *10,000 psi achieved with max E-gap of .006", contact MFP Engineering for E-Gap information and Gland Design Assistance. **Intermittent exposure to +135°C (+275°F).

MFPSEALS®
MARTIN FLUID POWER

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