

BODY:

Made of heavy gauge steel, coated with heat-cured paint.

O-RING

SPECIAL BRONZE BEARING MATERIAL

TEFLON BACK-UP RING:
Provides superior seal stability.

TOP BUSHING: Special Bronze material provides minimum clearance surface to extend life of gas spring.



COMPOSITE END FITTINGS:
Provide superior performance to metal fittings, without corrosion or rust.

SELF-CLEANING ORIFICE:
Automatically opens during each spring compression cycle to keep it clear and free flowing.

PISTON ASSEMBLY:
Provides precise control during the extension stroke.

HYDRAULIC FLUID: Specially formulated to provide end-of-travel damping. Adjusts gas volume to fine tune spring pressure.

PATENTED MULTI-LOBE SEAL: Provides vastly superior sealing footprint, toleration of shaft imperfections, vibration and temperature variations over single lip seal designs.

Single Lip Seal Design



SHAFT: The shaft is made of steel with a proprietary hard chromium plating, ground and polished to a smooth non-porous surface for leak-free dynamic sealing.