

TR, TR-T & TR-TS

PRODUCT FEATURES & BENEFITS

- END CAP:**
- Positive Snap Lock Seal Design; Weather Seal™ Plug
 - Attached to head to prevent loss
 - Weather resistant closure
- RELEASE TOOL:**
- Standard SAE threads – low torque wind off
 - Convenient tool storage in center case adapter side pocket
- STEEL HEAD:**
- Taper-head design for tight space installations
 - Patented tamper resistant design (US Patent #5,067,391)
 - Protected by heat-cured epoxy finish inside and out
- EXTERNAL BREATHER TUBE SYSTEM:**
- Seals power spring chamber against contaminants and corrosive outside air (TR-T and TR-TS Models only)
- POWER SPRING PISTON AND GUIDE:**
- Low friction fluted aluminum piston aligns through patented steel guide, prevents binding and ensures full release from applied position
 - Protected by heat-cured epoxy finish (TR-TS Model only)
- POWER SPRING:**
- Heat-fused epoxy coated protection; meets or exceeds all OEM performance standards
 - Cycle Test certified to OEM vehicle specification
- CENTER CASE ADAPTER PUSH-ROD AND GUIDE:**
- Aluminum hard coat finish with oversize push plates for maximum diaphragm support and alignment
 - Surface finish to retain lubricants
 - Two (2) non-ferrous guides to prevent metal-to-metal contact and wear from side loading
 - Multi-lipped pressure activated seal – MGM Brakes exclusive; with wiping edge and lube retention grooves to ensure positive air seal at full range of stroke
- RETURN SPRINGS:**
- Special conical shaped full release design
 - Coated for maximum cycle life protection
 - Protected by heat-cured epoxy finish (TR-TS Model only)

TR



TR-T



TR-TS



MGM Brakes
A Division of Indian Head Industries, Inc.

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NON-PRESSURE CHAMBER/MOUNTING BASE:

- Heavy duty 9 gauge (.150) epoxy coated steel, specially formed for added strength; except Type 30 which is 8 gauge (.172)
- Pressed in mounting studs, serrated base connection plus internal reinforcing pads on all 9 gauge NPC housings
- Prevailing torque nuts with hardened flat washers
- Reverse chamber bridge designed bottom for positive axle bracket positioning

EPOXY FINISH PROTECTION:

- Flexible coating that will not crack, chip or peel in severe service environments
- Complete encapsulation to prevent rust or corrosion
- Epoxy powder electrostatically applied and heat-fused to component

SERVICE PISTON ROD:

- True-weld connection to piston plate
- Fully threaded for universal slack adjuster installation requirements

CENTER CASE ADAPTER HOUSING:

- Alloy 360 aluminum - more magnesium, less copper content for increased corrosion resistance
- Bottom sealing groove for service diaphragm connection
- Integral release tool holder
- Protected by heat-cured epoxy finish inside and out (TR-TS Model only)

STROKE ALERT

INDICATOR:

- High visibility orange paint on black epoxy coated push-rod
- Indicates push-rod stroke at 70-80% of recommended readjustment dimension

DIAPHRAGMS:

- Heavy-duty nylon-reinforced
- Premium formulation for low temperature performance
- Perimeter seal lip ensures air tight assembly

CENTER HOLD SHIELD:

- Two piece design moves with service piston
- Shields entrance to granular contaminants
- Permits visual inspection of stroke alert

TR-LP3



TR-LP3T



TR-LP3TS



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