## TR, TR-T & TR-TS

### PRODUCT FEATURES & BENEFITS

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
</table>
| **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  
• Protected by heat-cured epoxy finish inside and out  |
| **EXTERNAL BREATHER TUBE SYSTEM:** | • Seals power spring chamber against contaminates and corrosive outside air (TR-T and TR-TS Models only) |
| **POWER SPRING PISTON AND GUIDE:** | • Low friction fluted aluminum piston aligns through patented composite spring guide (Corrosion Fighter Technology®), 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, TR-T & TR-TS

## PRODUCT FEATURES & BENEFITS

### NON-PRESSURE
- 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
- High visibility orange paint on black epoxy coated push-rod

### INDICATOR:
- 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 HOLE SHIELD:
- Two piece design moves with service piston
- Shields entrance to granular contaminants
- Permits visual inspection of stroke alert

---

[Images of TR-LP3, TR-LP3T, TR-LP3TS]

www.mgmbrakes.com
A Division of Indian Head Industries, Inc.