



**MGM Brakes**

# DIFFERENT PRODUCTS FOR SEVERE ENVIRONMENTS



# RUGGED BRAKES FOR TOUGH JOBS



Heavy Duty Transport & Tankers

Mobile Cranes

Livestock Transport

City Bus & Coach

Military Vehicles



Off Road & Severe Service Vehicles

Waste & Recycling Trucks

Emergency Vehicles



# DESIGNED FOR SEVERE OPERATING ENVIRONMENTS

MGM Brakes • A Division of Indian Head Industries, Inc.  
www.mgmbrakes.com • e-mail: mail@mgmbrakes.com

# VARIOUS MODELS FOR YOUR RUGGED, HEAVY DUTY NEEDS

## Fully Epoxy Coated Models

- “Optional” stainless steel clevis pin
- Center hole stone shield prevents entry of contaminants
- Available hybrid diaphragm for better resistance to oil/contaminants
- Corrosion Fighter technology for complete corrosion protection
- Fully epoxy coated inside and out for extreme corrosion protection
- Welded reinforced mounting studs available
- Heavy-duty reinforced diaphragms



Heavy-duty Diaphragms

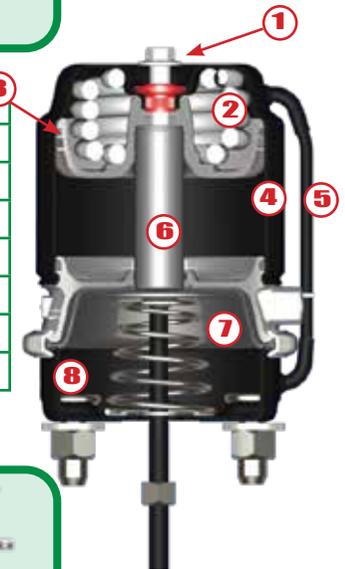
## Piston Brake Models

- High performance synthetic polymer center seal
- Increased parking spring force output
- High force parking spring brakes available
- Patented dual thread release bolt provides minimum bolt protrusion
- Optional urethane diaphragm for better ozone resistance
- Compact design due to smaller diameter, shorter height



Rubber Center Seal

1.	<b>Release Bolt</b>	Patented “Dual Thread Bolt” design which provides minimal bolt protrusion at maximum release.
2.	<b>“Long Life” Power Spring</b>	Powerful, reliable, non-coil clash design. Heat-fused epoxy-coated for maximum corrosion protection.
3.	<b>Piston Seal and Guide Ring</b>	Main seal is molded from high performance synthetic polymer to provide long term protection against air leaks. Guide ring is “self-lubricating” for long service life.
4.	<b>Steel Head</b>	MGM Brakes “Roll-in” tamper resistant steel head design provides high-impact protection and has a tough, abrasion resistance coating to battle corrosion.
5.	<b>External Breather Tube</b>	Vents air from the inside protected area of the non-pressure chamber to effectively seal out liquid and solid corrosive airborne contaminants.
6.	<b>Center Case Push-Rod and Seal</b>	Aluminum push-rod surface is hard coat finished and slightly porous to retain lubricants
7.	<b>Heavy-Duty Diaphragm</b>	Hot/Cold weather tested (-40°C to 80°C ) natural rubber for long service life and resistance to deterioration.
8.	<b>Non-Pressure Chamber (NPC)</b>	Heavy-duty steel NPC - embossed for added strength. Heat-fused epoxy-coated to protect against rust and corrosion.



Piston brake shown

## Double Diaphragm Models

- Heavy gauge NPC
- Heavy-duty reinforced diaphragms
- Stainless steel push-rod and assembly optional for air disc model
- External breather tube, seals out contaminants
- Corrosion Fighter technology is available on select sizes



Heavy Gauge NPC

## LTS “Long Life” Models

- Long stroke design
- Threaded rod or welded yoke available
- Reduction in height for easier installation in compact spaces
- Center hole diaphragm allows for positive spring alignment
- Corrosion Fighter technology prevents premature spring failure
- Patented dual thread release bolt provides minimum bolt protrusion



Corrosion Fighter Guide

[www.mgmbrakes.com](http://www.mgmbrakes.com)