

TESTED. PROVEN. TRUSTED.

MERITOR EX+ AND LS AIR DISC BRAKES



Meritor

**FOR
A WORLD
THAT'S
ALWAYS ON™**

MERITOR EX+ LS AIR DISC BRAKES

Specifically engineered for linehaul and trailer applications, EX+ LS air disc brakes are light in weight and heavy on performance. Built on proven and reliable EX+ architecture, these new components have been comprehensively tested to exceed customer needs.

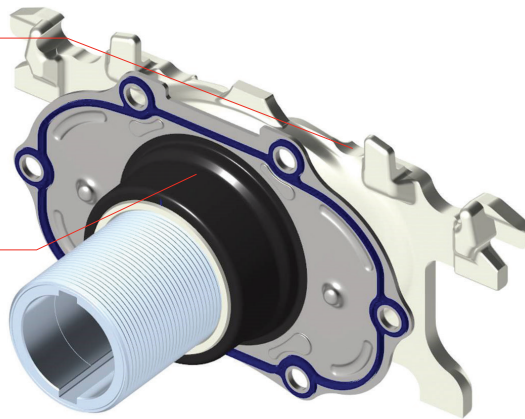
The industry-leading safety and performance you expect from Cummins-Meritor has been raised to another level. Lighter, smarter and with more than one million miles of field testing, it's years ahead of the curve for linehaul and trailer applications.

PRIMARY DESIGN FEATURES

Integrated piston/pusher function eliminates play and distributes force evenly while securing pads in place, despite rotor force and direction.

Large piston diameter is 2x the size of leading competitive single piston brakes and provides taper wear control to extend pad life.

EX+ LS comes standard with N Type friction, providing more consistent torque output, longer pad life and 2025 reduced-copper compliance compared to MA761

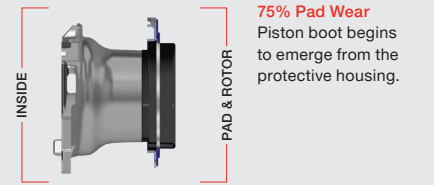


ADVANCED SEAL PROTECTION

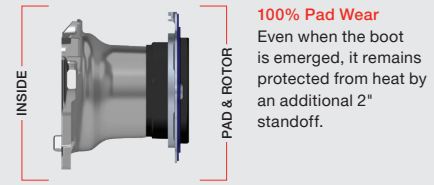
Heat and debris are the primary threats to the piston boot. EX+ LS protects this boot until the pads are significantly worn.



0% Pad Wear
Piston boot is completely protected within the brake housing.



75% Pad Wear
Piston boot begins to emerge from the protective housing.



100% Pad Wear
Even when the boot is emerged, it remains protected from heat by an additional 2" standoff.

EX+ LS ADVANTAGES

- Large piston diameter controls taper wear to extend pad life
- Adjuster mechanism based on proven EX+ brake system
- Standard with N Type friction, 2025 reduced copper-compliant brake pads
- Piston seal is protected from heat exposure and debris, for longer brake life
- Common pad and service items for truck and trailer applications

OPTIONAL FEATURES

Positive Pad Retraction (+PR)	Electronic Pad Wear Warning Indicator	Pad + Rotor Shields
Ensures running clearance is at the friction couple, extending pad life and fuel economy	Pad wear sensing immediately communicates when pads have worn to the replacement point	Provide added protection from contaminants entering the brake

MERITOR EX+ AIR DISC BRAKES

Cummins-Meritor has optimised EX+ air disc brakes to meet the tough challenges faced by heavy-duty tractors, trucks and trailers. Today's commercial vehicle market demands superior performance and lower lifecycle costs, and the EX+ air disc brakes deliver every time.

Proven in the most severe work conditions, EX+ air disc brakes are the ultimate choice for safety, reliability and performance, and are ideal for all applications including linehaul and vocational.

The standard mechanical visual wear indicator gives fleets quick-check capability of remaining pad life without removing the wheel.



New Pad



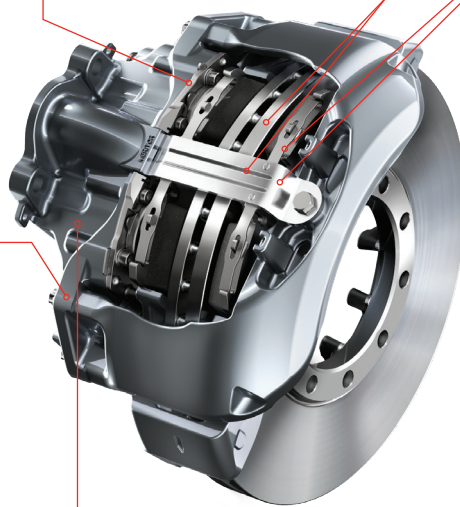
50% Life



Max Wear

Robust gear driven adjuster mechanism to maintain proper running clearance

Gear synchronized twin piston design to deliver optimal pad/rotor wear



Engineered to allow for a faster pad change and reduced brake inspection time

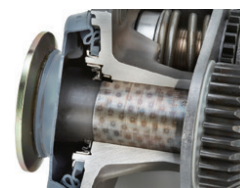
Unique tri-lobal piston shape and double-sealing provides superior environmental protection

Tri-lobal piston smooth-sealing surface



Double-sealing technology

Exclusive caliper design delivers minimal ingress points and together with the redundant air chamber sealing, helps prevent contamination



EX+ ADVANTAGES

- 10 lb weight savings compared to previous EX+ design
- Exceptional braking power that meets federal FMVSS 121 reduced stopping distance (RSD) regulations
- Increased brake fade resistance for high-demand applications
- In-line braking stability for safer, smoother stops
- Reduced maintenance time and lower maintenance costs

Model	GAWR (lbs)	Carrier Mount	Air Chamber Orientation	Air Chamber Size	Rotor Size
EX+ L	26,000	Axial	4 Degree / 12 Degree	Type 16	410mm
		Radial		Type 20	430mm
EX+ H	29,000	Axial	0 Degree / 12 Degree	Type 24	434mm
		Radial		Type 16	434mm
				Type 20	
				Type 27	
				Type 30	



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