

# DiscPlus™ - EX Air Disc Brake Platform

## EX High-Density Service Package



EX225

### Product Summary

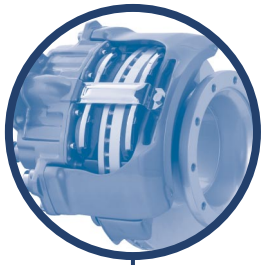
ArvinMeritor has developed its air disc brake (ADB) product portfolio since the introduction of the DuraMaster platform in 1982. The design has progressed to the current global product offering, the EX platform. It is an adaption of our highly successful European product, and incorporates global commonality and component synergies, making it a truly world class product. The EX offers enhancements to prior designs in the areas of power, durability, weight and maintenance cost.

### Application Summary

The EX platform is comprised of two specific caliper models with a range of friction couple (pad and rotor) solutions to meet the differing stopping needs in the commercial vehicle industry. The high density service package is targeted specifically for vocations where brake maintenance contributes to a significant portion of the overall lifecycle cost of the system. Vocational applications, such as transit bus and residential refuse, where excessive stops per mile and corrosive inner-city environments put added pressure on ease of maintenance and product

durability will find enhanced value with the DiscPlus™ product. The package comes standard with our EX225-H caliper designed for severe service requirements and our high density friction couple package, which offers enhanced wearable lining volume and material solutions designed to maximize rotor life while maintaining competitive life on the friction pads. Other service packages include our high performance service package for aggressive applications and the linehaul service package for traditional on-highway applications.





## Features

Synchronized, guided twin-piston design for optimal pressure distribution

Internal central adjustment mechanism

Robust manual pad adjustment with piston disengagement protection

Permanently lubricated internal actuation system

Double sealed piston and chamber faces

## Benefits

Promotes uniform load distribution to enhance both pad and rotor life

Automatically monitors and maintains running clearance and is sealed from external contamination

Designed to withstand typical maintenance environments to avoid unnecessary downtime. Reduces the maintenance time on friction materials by 75% from that of drum brakes

Minimizes maintenance requirements of brake assembly

Enhanced protection from corrosion and internal contamination

	EX225-L	EX225-H
Description	General purpose application caliper designed for optimal power-to-weight ratio for anticipated FMVSS regulatory requirements	Severe service application caliper, designed for optimal durability, corrosion resistance and capable of elevated GVWRs
Maximum Chamber	T24	T30
Maximum Pad Volume	43 in <sup>3</sup>	56 in <sup>3</sup>
Std. Rotor Diameter	434 mm	434 mm
Wheel Size	22.5"	22.5"
Weight	83 lbs.	99 lbs.

The EX Air Disc Brake platform is the culmination of a rich history of stopping system innovation in both Europe and North America. With the advances in global commonality, it provides our global and regional OEMs with more flexibility and potential for supply synergy on all platforms. For further optimization, the wheel-end package is also compatible with our MeritorWABCO ABS control system. When performance, durability and value are your primary concerns, the ArvinMeritor DiscPlus™ package is the system that can truly deliver.