

COMMERCIAL VEHICLE



One STOP Solution for Disc Brakes



Raybestos
Commercial
Vehicle

www.raybestos.com

The Raybestos® Commercial Vehicle product line is manufactured in our own facilities and provides a single-source solution for disc brake service from Class 1 hydraulics to Class 8 air disc. Proprietary formulations, created to meet the heavy duty demands of commercial vehicles, extend maintenance periods and provide the best overall value. Neither a one-size-fits-all program nor an automotive offering, Raybestos® Commercial Vehicle products are specifically designed and packaged with the heavy duty market in mind. With over 100 years of manufacturing expertise, Raybestos® Commercial Vehicle products meet or exceed OEM specifications on quality, performance and wear.

Raybestos® Truck & Medium Duty Friction



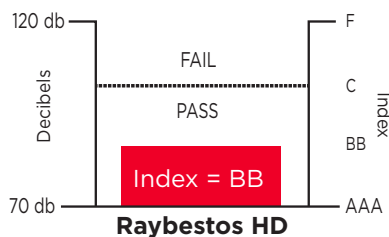
- Begins with application specific, proprietary formulations for increased stopping power in extreme conditions and under heavy loads while minimizing noise, dust and fade
- OE-matched chamfers and slots for perfect fit
- Dual heat cure process provides confident pedal feel right out of the box with no break-in period
- Mechanical Retention System (MRS) provides increased shear force during severe braking and prevents rust jacking
- Rubber coated shims provide excellent noise, vibration and harshness control with orbital staked and spring lock attachment to maintain proper position for the life of the friction
- Nitrile-polymer coated hardware maximizes noise suppression and service life
- Dyno and fleet tested for over 1,000,000 miles

Mechanical Retention System (MRS)

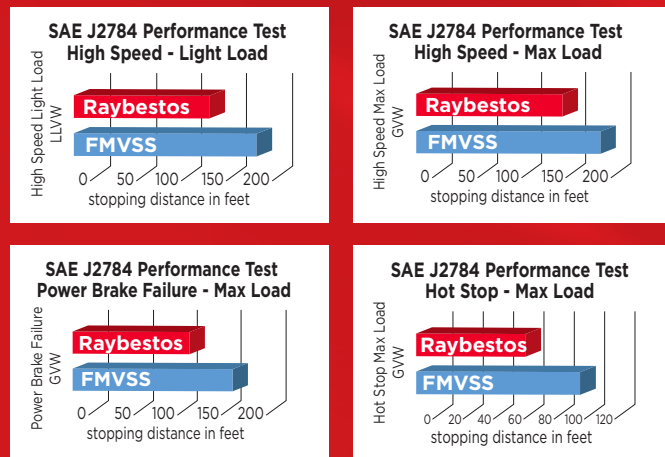


MRS securely attaches friction material to plate for greatly improved shear strength.

SAE J2521 Noise Test on Raybestos Truck/MD Friction Formulation*



Exceeds FMVS Stopping Distance Standards*



*Exemplary test results on a 2007 Chevrolet Silverado 1500HD other applications may vary but are similar.

Raybestos® Advanced Technology® Rotors

- Advanced Technology® dampened iron formulation provides higher thermal conductivity, keeping brakes cooler in demanding situations and severe duty use
- Mill balanced edges with 100% validation ensure proper balance and minimize vibration
- All rotors meet SAE J431, G300 (DIN EN 1691, GG-20) standards for tensile strength, structural integrity and maximum service life
- Each rotor is turned versus ground finish to further minimize noise and provide improved responsiveness for smooth stops
- Ready to install right out of the box
- The tightest lateral run-out and thickness variation on the market minimizes pedal pulsation, brake noise and extends pad life
- Black Fusion or Grey Fusion 4.0™ Coating improves appearance, prevents rust and extends rotor life



Raybestos® Calipers































- OE-matched form, fit and function ensures ease of installation, proper operation and longest possible product life
- Rigorously tested and validated to meet or exceed SAE standards
- Cycle tested in simulated hot and cold driving conditions for maximum performance
- Remanufactured with all-new components and 100% inspection of cores
- Fully assembled with hardware and brackets included (where applicable) making separate hardware purchase and/or assembly unnecessary
- Each caliper assembly is 100% pressure tested to ensure safe, leak-free operation

Raybestos® Hydraulics, Hoses & Hardware

- Manufactured to meet OE fit, form and function
- Brake lines feature double crimped fittings for exceptional durability and longer hose life
- Brake cables are nylon zytel coated for superior corrosion resistance and smooth operation
- Hydraulics undergo SAE J1153 and J1154 testing in hot and cold temperatures as well as burst strength test



Commercial Vehicle Classifications

| | | | | | |
|---------------------------|------------------------------|---|--|---|--|
| Light Truck | CLASS 1 6,000 lbs or less |  Minivan |  Cargo Van |  SUV |  Pickup Truck |
| | CLASS 2 6,001 to 10,000 lbs |  Minivan |  Cargo Van |  Full-Size Pickup |  Step Van |
| Medium Duty | CLASS 3 10,001 to 14,000 lbs |  Walk-in |  Box Truck |  City Delivery |  Heavy-Duty Pickup |
| | CLASS 4 14,001 to 16,000 lbs |  Large Walk-in |  Box Truck |  City Delivery | |
| | CLASS 5 16,001 to 19,500 lbs |  Bucket Truck |  Large Walk-in |  City Delivery | |
| | CLASS 6 19,501 to 26,000 lbs |  Beverage Truck |  Single-Axle |  Bus |  Rack Truck |
| Heavy Duty/Air Disc | CLASS 7 26,001 to 33,000 lbs |  Refuse |  Furniture |  City Transit Bus |  Truck Tractor |
| | CLASS 8 33,001 or Higher |  Cement Truck |  Truck Tractor |  Dump Truck |  Sleeper Cab |

Brake Parts Inc™

- Raybestos® brand legacy dates back to 1902, innovators of brake linings and leading friction manufacturer today
- Ten (10) manufacturing locations throughout the world
- Employs over 5,000 people globally, 500 in the U.S.
- Over 1.3M sq. ft. of distribution in three (3) locations in the U.S. – California, Illinois and Pennsylvania
- Headquartered in McHenry, Illinois



Raybestos®
The best in brakes®



Brake Parts Inc™