

PROTRANS™

COMMERCIAL VEHICLE BRAKE SHOE KITS

High performance solutions for heavy duty applications.

Bendix



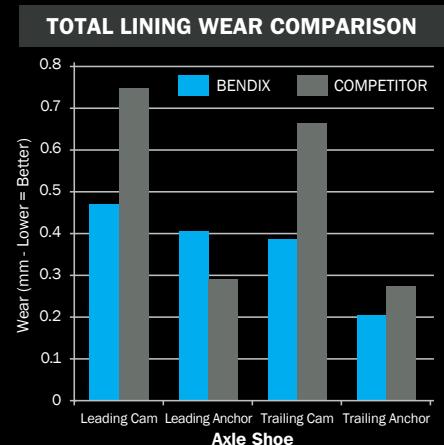
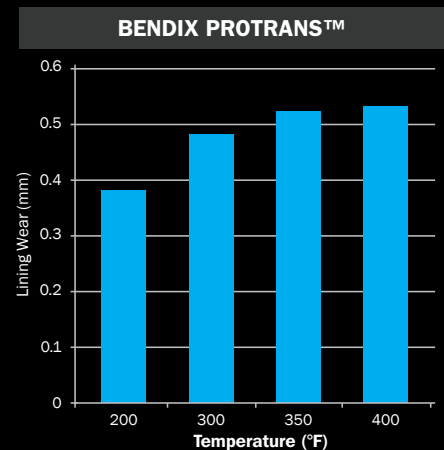
The Bendix Protrans™ range of heavy commercial vehicle brake shoe kits are manufactured to the highest quality standards in a IATF 16949 and QS9000 accredited facility.

The Bendix Protrans™ range features electro hardened journal ends, indented webbing for additional strength and steel rivets. Each shoe is radius ground after riveting / bonding. Bendix has undertaken an exhaustive testing regime to ensure Bendix shoes meets or exceeds the performance characteristics of industry leading OE brake shoes.

The Bendix Protrans™ range includes references to cover popular commercial vehicle foundation brakes and can be found at all leading commercial brake shoe stockist.

FEATURES:	BENEFITS:
Bendix D32 material holds ECE-R90 certification, where Homologated	Proven performance testing
Electro hardened journal ends	Reduced wear at the journal
Indented webbing	Increased strength
Steel rivets	High Shear Strength
Radius ground	High lining to drum ratio, reduces bedding-in time
Hardware kits included	Everything you need in one box

MATERIAL REFERENCE	APPLICATION	FRICTION CLASSIFICATION	MAXIMUM CONTINUOUS WORKING TEMPERATURE
Protrans™	Heavy Duty - Metro and line haul environments, Medium rigid, Coach and Trailer applications. Long wear life at medium to high temperature. Strong braking performance from cold.	FF	500°C



HARDWARE KITS FOR BRAKE SHOES

Outstanding product performance and customer satisfaction require high quality accessory components. Bendix provides you with hardware kits to suit our brake shoe sets, with all the components you need, including the springs, pins, retainers and rollers. The range includes references to cover most popular commercial vehicles.

INCLUDED WITH EVERY BRAKE SHOE SET!



Bendix Commercial Vehicle brake shoes are specified to deliver superior braking performance

The ECE Regulation 90 (ECE-R90) specifies the design, construction, performance requirements and test protocols for strict European regulations. ECE R90 calls for brake shoes to be tested for braking capabilities, speed sensitivity, cold performance, and may only deviate from the frictional characteristics of their original equipment counterparts by no more than 15%.



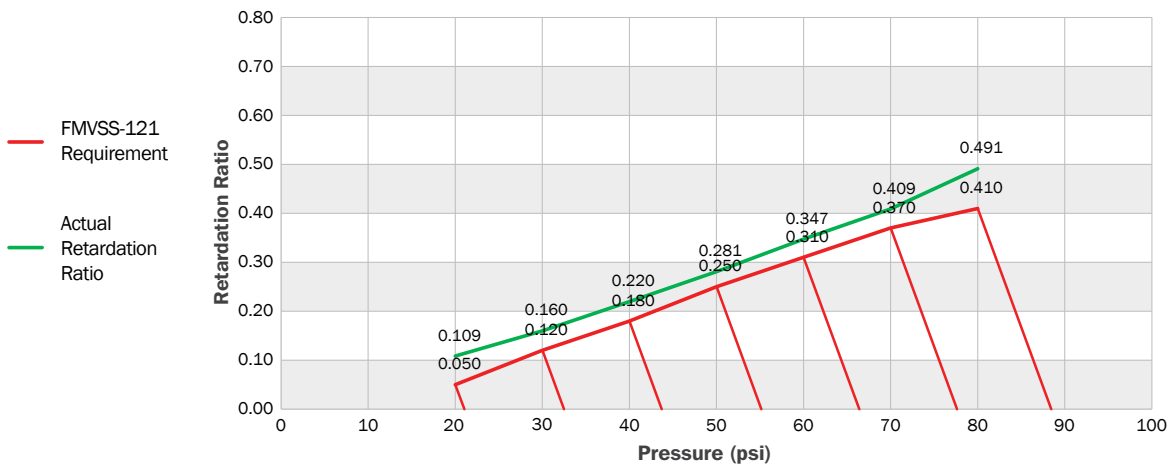
Federal Motor Vehicle Safety Standard 121 (FMVSS 121) is a globally recognised, USA standard which establishes performance and equipment requirements to ensure safe braking performance under normal and emergency conditions for trucks, buses and trailers with airbrake systems.

To meet FMVSS 121 the brake system must meet stringent testing requirements covering Brake Retardation, Brake Power, Hot Stop and Recovery. High-mileage brake block/linings with a less than optimal grind radius may exhibit poor performance in this test due to lack of sufficient shoe-to-drum contact. The successful completion of these tests measure overall brake performance and is conducted to the FMVSS 121 certification standard.

TEST PARAMETERS

Test Description: B8J2-5 FMVSS 121 Dynamometer Schedule	Size 16.5 x 7.0 inches	Slack Adjuster Manual 5.5	Actual Wheel Load 11564.15 lb	Rolling Radius 19.61 inch
Brake Type Drum / Air	Air Chamber MGM 30	Actual Inertia 959.94 slug ft ²	GAWR 23000 lb	

BRAKE RETARDATION



PRESSURE AND TEMPERATURE VS STOP

