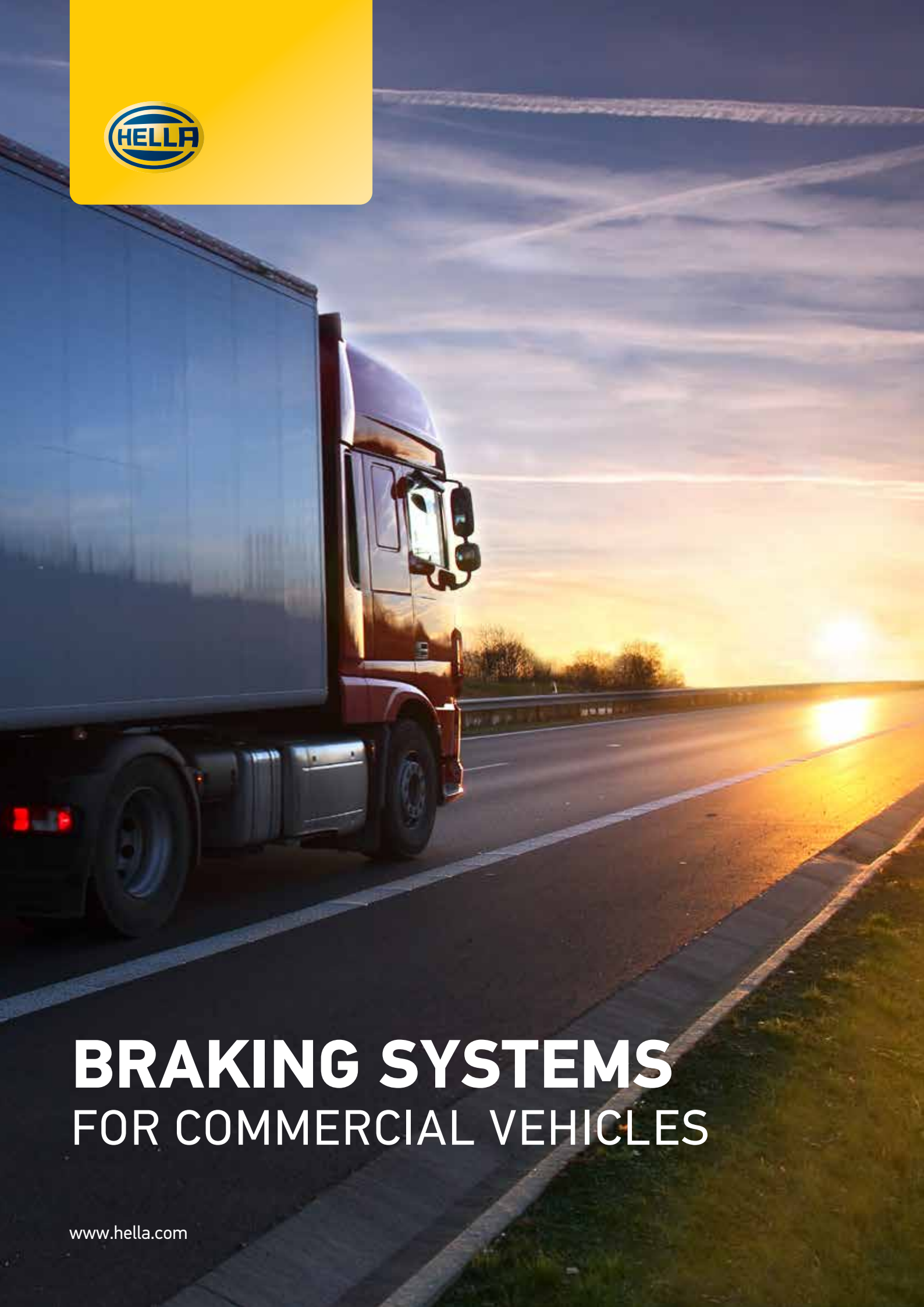


BRAKING SYSTEMS
FOR COMMERCIAL VEHICLES

www.hella.com

CHOOSE HELLA
Commercial Vehicle Brake Pads

→ NRS® technology
→ Consistent compressibility
→ Built for durability and a longer life
→ Meets UNECE R90 regulations

PRODUCT FEATURES

Introducing the new HELLA heavy-duty brake pads, specially designed to cater to the demands of commercial vehicles. These brake pads are engineered with reliability and durability in mind, ensuring superior performance when it comes to braking systems. Made from high-quality materials, they are built to withstand the high temperatures and pressures generated by heavy braking.

The HELLA heavy-duty brake pads feature the innovative Nucap Retention System (NRS®) technology. Not only do they maintain a consistent coefficient of friction throughout their lifespan, but they also meet the stringent UNECE R90 regulations. This compliance guarantees that our brake pads provide the utmost safety and reliability while meeting the necessary standards for commercial vehicle braking systems.
When selecting brake pads for your commercial vehicle, it is crucial to consider factors such as the type of vehicle, the weight of the load it carries, the frequency and intensity of braking, and the driving conditions. HELLA heavy-duty brake pads have been specifically designed with these factors in mind. They excel in meeting the demands of heavy-duty commercial vehicles, ensuring optimal performance and safety for drivers and their valuable cargo.



SAFETY AND STRENGTH IN EVERY STOP.

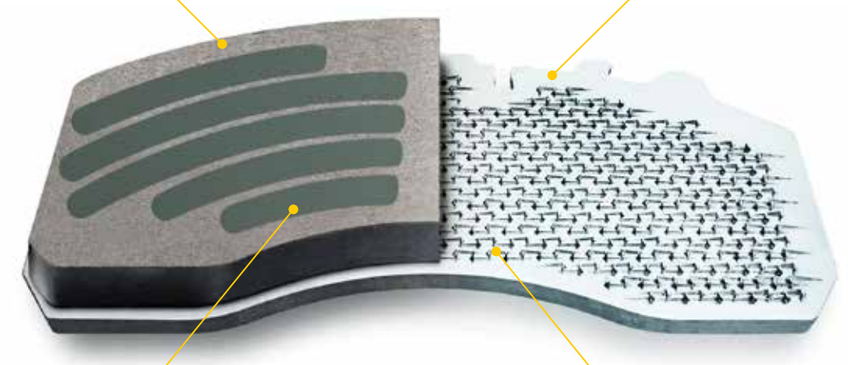
Choose HELLA heavy-duty brake pads with confidence,

knowing that they not only meet the rigorous standards of UNECE R90 regulations but also provide reliable and durable performance in the most demanding commercial vehicle applications.

QUALITY & PERFORMANCE GUARANTEED.

Premium Friction Material
Designed to exceed OEM standards.

Galvanized Steel Contruction
For enhanced durability.



Early Bed Coating
Strong foundation for future braking efficiancy.

Patented NRS® technology
Intergrated for an indestructable bond.



Galvanized Backing Plates

Standard after-market brake pads rely on painted back-plates and inconsistently applied adhesives to attach the friction material. These adhesives are prone to thermal degradation during regular use. HELLA brake pads for commercial vehicles use an innovative NRS® galvanic protection system which combats corrosion and ensures robust rust inhibition throughout the brake pad's lifespan. Importantly, there's no need to prematurely replace brake pads due to back-plate corrosion.



Revolutionary NRS® Technology

HELLA brake pads for commercial vehicles feature a Safety Braking Zone meticulously engineered into each pad. Instead of relying on adhesives, HELLA incorporated In-situ galvanized hooks directly onto the backing-plate surface. These hooks provide mechanical retention for the friction material, overcoming any limitations associated with adhesive bonding. The result? An indestructable bond that translates into longer-lasting brake pad,s protected from delamination and enhanced safety throughout its entire life.



Premium Friction Materials

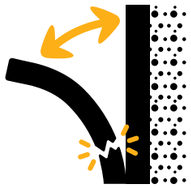
When it comes to the materials we use, we prioritize excellence. Our semi-metallic brake pads outperform traditional pads in terms of durability and longevity. HELLA brake pads for commercial vehicles offer superior stopping power, extended lifespan, and significantly reduced noise compared to conventional options.

THE NRS® DIFFERENCE

NRS® enhances safety, durability, and performance in braking systems.

The NUCAP Retention System (NRS®) is a process used for modifying the surface of disc brake backing plates. It involves adding a consistent matrix of raised steel hooks to the backing plates. These hooks facilitate a mechanical bond between the disc brake plate and the friction materials. Essentially, NRS® ensures that the friction material remains securely attached to the backing plate, reducing the risk of separation even under high operating temperatures. This innovative system enhances safety and durability in brake pads, making them longer-lasting and less prone to failure due to corrosion or delamination

The NUCAP Retention System (NRS®) offers several benefits for brake pads:



Enhanced Bonding

NRS® creates a strong **mechanical bond** between the friction material and the backing plate. This ensures that the pad remains securely attached even under extreme conditions, **eliminates the risk of separation**.



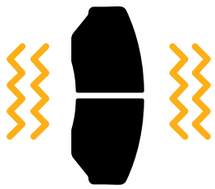
High Durability

NRS® brake pads will never rust, and never delaminate. All NRS® metallic components are made from **galvanized steel**.



Extended Lifespan

NRS® brakes outlast conventional pads by **30%**, adding up to **15,000 KM** to their lifetime (subject to driving habits and terrain). Typically, brake replacements occur around **45,000 KM**



Reduced Noise and Vibration

NRS® minimizes the chances of pad movement or chatter, resulting in **quieter braking** and **reduced vibrations**. This contributes to a smoother driving experience.



Consistent Performance and Safety

The uniform matrix of raised steel hooks ensures **consistent friction** material retention. This leads to stable and predictable **braking performanc**e, whether you're driving in normal conditions or during emergency stops.



Performance Satifaction Guaranteed!

Brake pads using intregrated NRS® technology, boasts an impressive track record. With a **zero failure rate** observed across over **1 billion brake pads** globally, NRS® technology has proven its reliability and effectiveness.

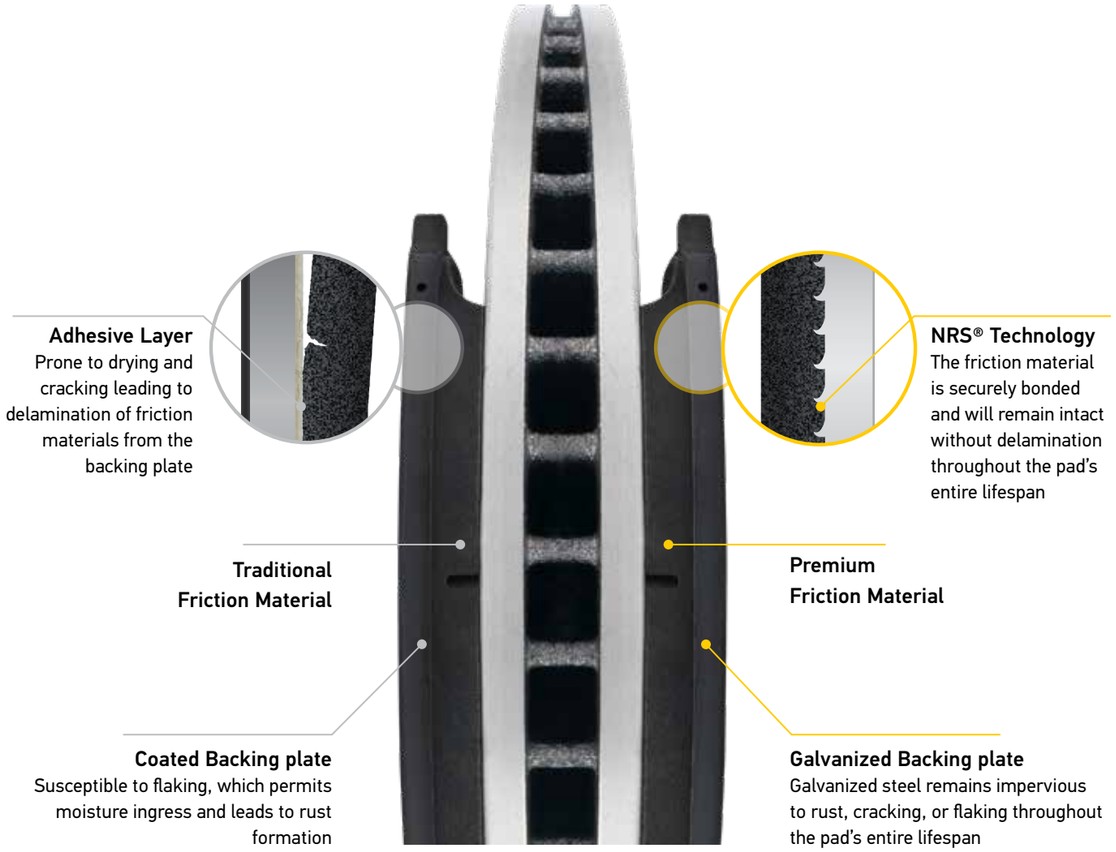


WHY CHOOSE BRAKING SYSTEMS WITH NRS®?

NRS® brake pads are the world's longest lasting brake pads for a reason.

HELLA provides the next generation of brake pads for commercial vehicles. These pads feature patented NRS® technology, a galvanized steel construction, and premium friction materials. They ensure consistent stopping power throughout the entire lifespan of the brake pad, preventing the friction material from delaminating from the backing plate and resulting in more secure and safer stops

Traditional Pad Construction vs NRS® Pad Construction



Patented NRS® Technology mechanically fuses the backing plate to the friction material, creating an indestructible bond.

RANGE OVERVIEW

Part number	Product	WVA no.	Vehicle/Application
8DB 358 309-071	CV Brake Pad	29115/29148	MAN TRUCK
8DB 358 309-161	CV Brake Pad	29244, 29245	MERCEDES BENZ
8DB 358 309-181	CV Brake Pad	29061, 29087, 29105, 29106, 29108, 29109, 29163, 29179, 29201, 29202, 29196	AUWARTER, BPW, DAF, FRUEHAUF, IVECO, KASS-BOHRER, MERCEDES BENZ, SAF, SCANIA
8DB 358 309-231	CV Brake Pad	29246, 29247	MERCEDES BENZ
8DB 358 309-131	CV Brake Pad	29279	MAN
8DB 358 309-001	CV Brake Pad	29088, 29091	DAF, IVECO, MAN, RENAULT
8DB 358 309-011	CV Brake Pad	29175, 29195, 29198, 29274, 29294	GIGANT, SAF
8DB 358 309-021	CV Brake Pad	29171	BPW, SAF
8DB 358 309-031	CV Brake Pad	29124, 29155	MERITOR
8DB 358 309-041	CV Brake Pad	29141, 29142, 29119	MACK.DAF, RENAULT
8DB 358 309-051	CV Brake Pad	29158	SAF
8DB 358 309-061	CV Brake Pad	29228	BPW
8DB 358 309-081	CV Brake Pad	29126, 29159	DAF, SAF
8DB 358 309-091	CV Brake Pad	29165	BPW
8DB 358 309-101	CV Brake Pad	29173, 29203, 29272	MERITOR, RENAULT, VOLVO
8DB 358 309-111	CV Brake Pad	29093, 29094, 29095, 29096, 29197, 29145, 29184	BPW, DAF, FRUEHAUF, IVECO, LENCINENA, LENCI-TRAILER, MAN, MERCEDES BENZ, SAF
8DB 358 309-121	CV Brake Pad	29162	MERCEDES BENZ
8DB 358 309-141	CV Brake Pad	29328/29329	SAF
8DB 358 309-151	CV Brake Pad	29318/29319	SAF
8DB 358 309-171	CV Brake Pad	29131/29156	MAN, RENAULT, VOLVO
8DB 358 309-191	CV Brake Pad	29125/29277/ 29222/29224	VOLVO
8DB 358 309-201	CV Brake Pad	29030, 29053, 29083, 29084, 29210, 29113, 29114	AUWARTER, ERF, KASSBOHRER, MAN, MERCEDES BENZ, RENAULT
8DB 358 309-211	CV Brake Pad	29332	SCANIA
8DB 358 309-221	CV Brake Pad	29174, 29204, 29218, 29219, 29226	MERITOR, RENAULT, VOLVO
8DB 358 309-241	CV Brake Pad	29065	IVECO, RENAULT



HELLA Automotive South Africa
81 Nürburgring Street
Zone 2, Coega SEZ
Port Elizabeth
6001

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Subject to technical and price modifications.

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