



**EURO** ™

*Disc Brake Pads + Rotors*



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***Put your foot down  
with confidence™***

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# ***Low Dust. Improved Product. Improved Range. Improved Kitting.***

## **ASTUTE MECHANICS INSIST ON EURO+™ BRAKE PADS FROM BENDIX**

Mechanics agree Euro+™ brake pads from Bendix are the superior brake pad to supply and fit in European vehicles. Bendix is a long time supplier to the world's OE manufacturers and has lead the field of innovation for many years.

With this level of heritage, we understand the technology required to meet the exacting standards of premium

manufacturers such as BMW, Mercedes Benz, Audi and Volkswagen to name a few.

Euro+™ brake pads from Bendix include all clips, pads, shims, sensors and more, where contained in OE equivalents so you can be assured that all components are the exact fit every time.

With superior performance only available in OE parts, Euro+™ brake pads from Bendix is the only choice for European vehicles in your workshop.

## **BLUE TITANIUM STRIPE TECHNOLOGY**

The high friction Blue Titanium Stripe on the brake pad surface is designed to rapidly mate with the rotor when brakes are first applied. Full braking performance is

achieved instantly, eliminating the need for you to bed in the brakes. Your customers will feel the difference, and the pads will be bedded-in in just a few stops after they have left the workshop.

**Low Dust  
Ceramic Formulation**

**Clean Wheels**



**Blue  
Titanium Stripe**

**No Bedding In**



# **EURO**

## Disc Brake Pads



### **Meets ECE90 Regulation**

*Designed specifically  
for European Vehicles*



### **Quieter, Smoother Braking**

*Stable friction material  
for predictable, low noise  
braking in all conditions*



## Proven Stopping Power Reduces Braking Distances

### REDUCED BRAKING DISTANCE OVER OE BRAKE PADS

Bendix is the only OE supplier to provide the innovative technology and quality required to produce Euro+™ brake pads. These brake pads incorporate outstanding

characteristics that result in consistently safe and quiet braking and long running performance without fading.

As shown below (fig. 1), Euro+™ from Bendix delivers dramatically improved stopping distances over European OE brake pads & European dustless brake pads.

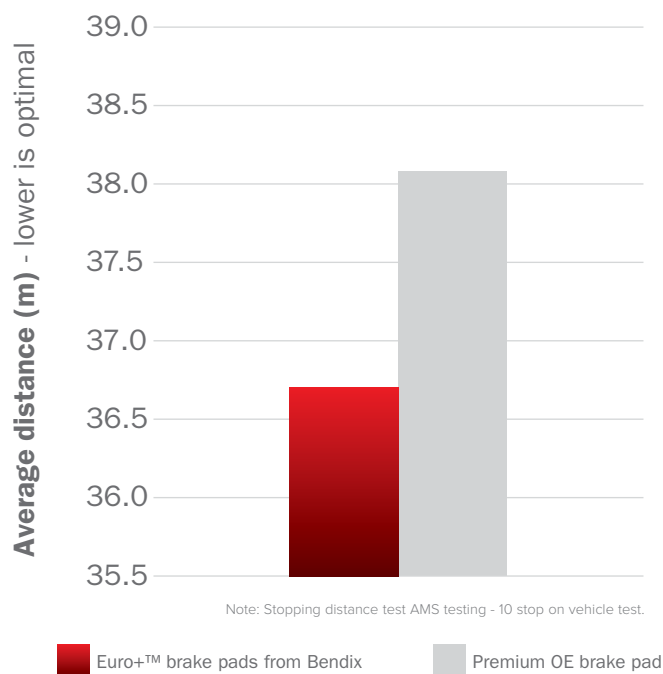


### MEETS STRICT EUROPEAN REGULATIONS

The ECE Regulation 90 specifies the design, construction, and performance requirements and test protocols for strict European regulations. ECE R90 calls for brake pads 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%.

When you fit Euro+™ brake pads they meet ECE Regulation 90, which means you are fitting quality brake pads specifically designed for European vehicles and engineered for optimum performance, braking synergy and driving comfort.

Figure 1 - STOPPING DISTANCE FROM 100KPH



## Why choose Euro+™ Disc Brake Pads?

### Features

- Comprehensive kit
- Reduced dust for cleaner braking
- Blue Titanium Stripe
- Vibration and harshness control
- Designed for European vehicles
- Noise dampening shims
- Brake wear indicator
- Meets ECE regulation 90

### Benefits

- Includes all clips, pads, shims and sensors for a full service.
- Keeps the vehicle wheels looking clean and bright for longer.
- No bedding-in required. Improved pedal feel from the first stop.
- Consistent, safe and quiet braking, long running performance without fading.
- Innovative technology and the quality required to produce Euro+™ brake pads.
- Reduced transmission of vibration and noise from the brake pad.
- It's now easy to see when to change brake pads.
- Quality brake pads specifically designed for European vehicles and engineered for optimum performance, braking synergy and driving comfort.

# Stable Friction Means Smoother Braking

## EURO+™ DELIVERS STABLE FRICTION AT HIGHER SPEEDS

Braking stability is an important consideration when selecting brake pads for your customers. As a driver, having smooth and predictable pedal feel under braking application is critical to a safe and enjoyable journey.

Euro+™ brake pads deliver a consistent braking experience at all speeds and in both cold and hot temperatures.

Bendix achieves this with its advanced friction material formulations, which are extensively tested in the laboratory and on the test track.

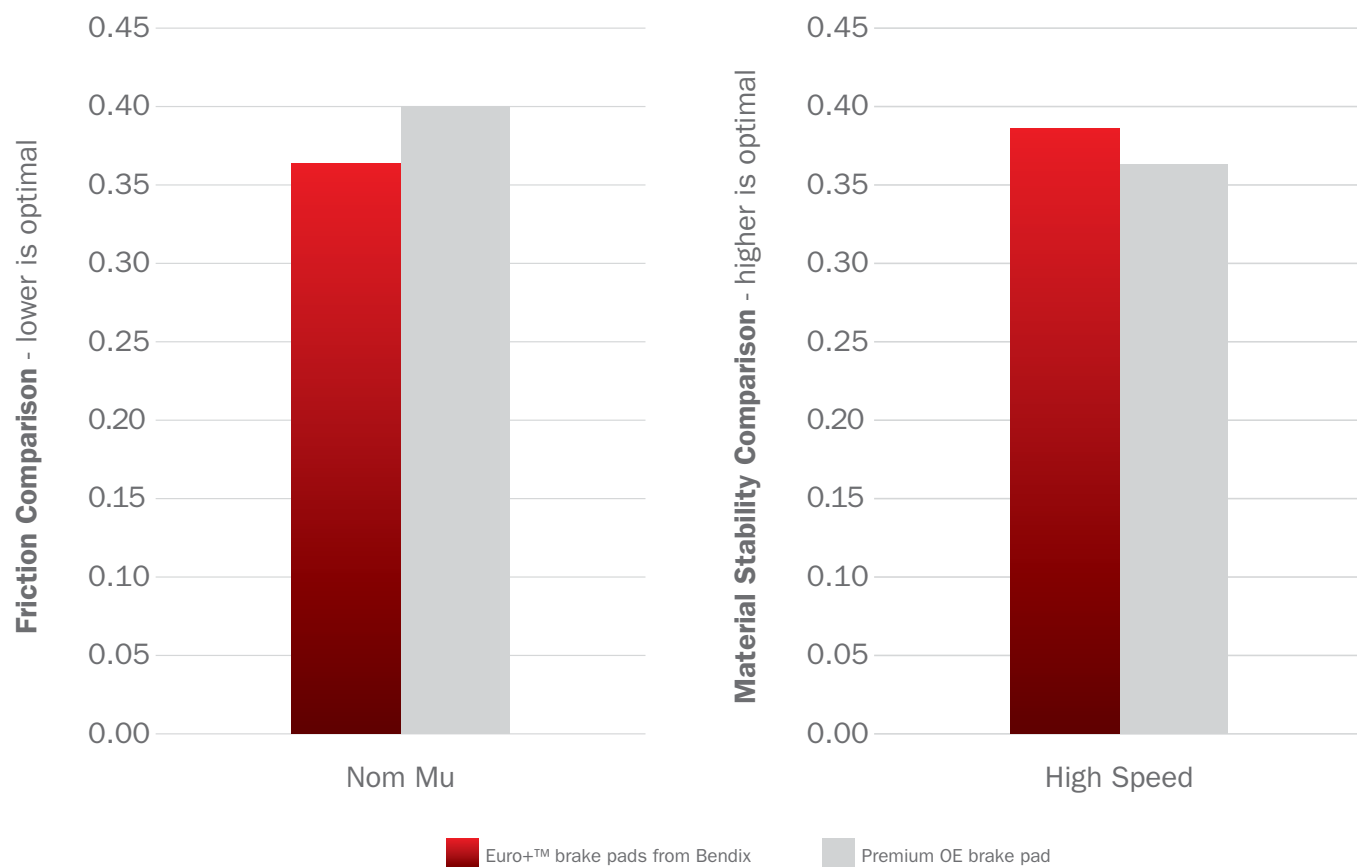
During development, Bendix uses the international dyno test SAEJ2522 (AK Master test), which subjects and evaluates the Euro+™ brake pads to a wide range of operating speeds, pressures and temperatures.

Included in the evaluation is a High Speed test that evaluates friction levels at higher vehicle speeds (160 km/h) and demonstrates the stability of the material compared to the nominal mu level.

From these trials the pads' Nominal Friction Value is attained – it's a measure of the average friction across all the test sections.

The graphs below demonstrate the superior stability of the Euro+™ pad range compared to OE counterparts, including at high speeds where they deliver more stable friction (fig. 2).

**Figure 2 - FRICTION AND MATERIAL STABILITY COMPARISON**



## Less Dust For Cleaner, Brighter Wheels

### TESTS PROVE WHEELS STAY CLEANER WITH EURO+™ BRAKE PADS FROM BENDIX

In order to obtain objective proof of the relative cleanliness of a wheel, laboratory tests were carried out on a brake test stand, under consistently clean laboratory conditions, and a practical road test in traffic with all its incidental side effects.

A standard brake pad was used as the counterpart to Euro+™ from Bendix and the aluminium wheels were fresh from the factory. The practical road test, which was carried out under dry conditions, lasted approximately 1 month

and was run over a distance of 1,560 km. While the laboratory test, as carried out under controlled conditions, was conducted over 2 days.

The tests comprised of a driving profile of braking movements seen while driving in town, country roads and highways, in a mix that was as close to real usage.

The tests carried out that measured the wheel's level of blackening using a chromameter, were impressive as they were objective. Compared to standard brake pads, Euro+™ brake pads from Bendix produced significantly less dust (fig. 3).

#### ROAD TEST RESULTS



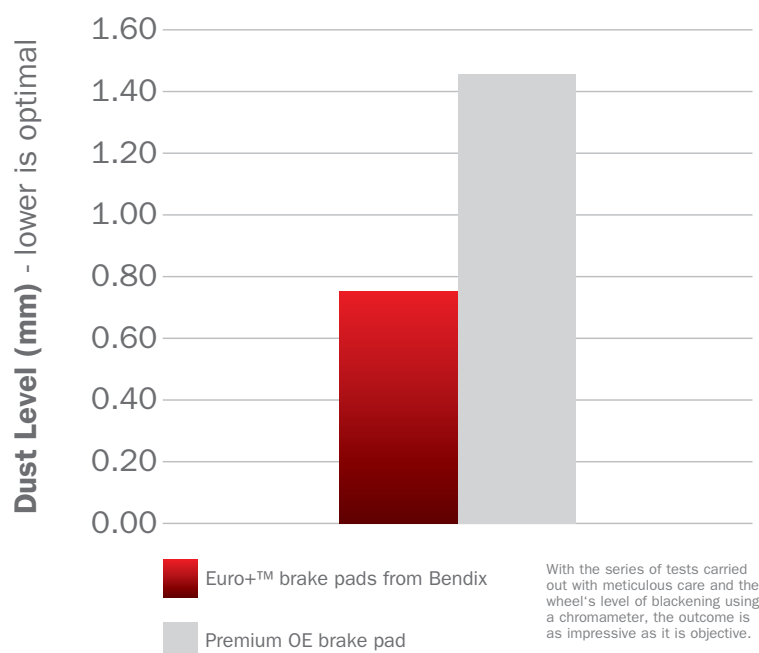
After braking with standard pads.

After braking with Euro+™ brake pads from Bendix.

#### LABORATORY TEST RESULTS

**NEW WHEEL BEFORE ANY BRAKING**

**Figure 3 - COMPARISON OF WHEEL BRIGHTNESS**



# Ceramic Compound Minimises Noise & Wear

## ASTUTE MECHANICS SUPPLY AND FIT THE MOST ADVANCED BRAKE PADS

Euro+™ brake pads from Bendix deliver exceptional, smoother and quieter braking for European vehicles. Made from of an entirely new material that includes ceramic compounds and excludes any abrasive metal particles, producing a virtually dust-free brake pad.

Euro+™ brake pad technology includes engineered chamfers and slots together with a back plate that is

protected by a shim - absorbing noises generated during braking. As a result, Euro+™ brake pads from Bendix offer optimum comfort.

Euro+™ brake pads from Bendix minimise noise development during braking so well that they have been established as the quietest pad on the market from the tests in line with SAE J2521.

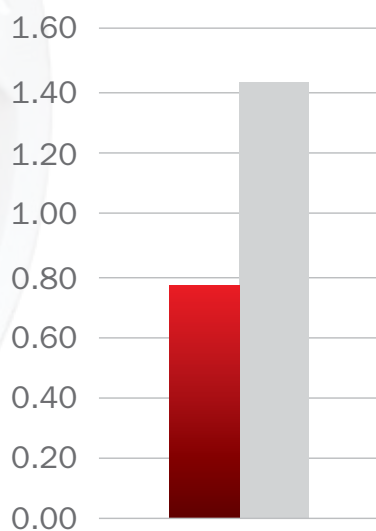
As shown below (fig. 4), extensive laboratory and practical tests revealed a significant reduction in the wear of the pad and brake disc.

**AFTER BRAKING WITH  
EURO+™ BRAKE PADS**

Euro+™ brake pads from Bendix contain no metallic fibres and are almost dust-free to keep vehicle wheels looking their best.

**Figure 4 -  
COMPARISON OF BRAKE PAD  
& DISC BRAKE ROTOR WEAR**

Brake Pad wear (mm) - lower is optimal



Brake pad wear with Euro+™ brake pads from Bendix

Brake pad wear with premium OE brake pad

Disc Brake Rotor wear (mm) - lower is optimal



Disc brake rotor wear with Euro+™ brake pads from Bendix

Disc brake rotor wear with premium OE brake pad

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FOR MORE  
INFO!**



# ***Behind every Bendix Euro+™ disc brake rotor lies OE expertise, leading technology and precision engineering so you can put your foot down with confidence.™***

## **GLOBAL KNOWLEDGE MEETS LOCAL EXPERTISE**

As a global leader in the design and development of brake friction materials and braking technology, Bendix is at the forefront of braking innovation worldwide. This expertise is complemented by the company's state-of-the-art Australian manufacturing facility and Research and Design Centre

in Ballarat, Victoria, ensuring the Bendix range delivers superior performance in demanding local conditions and applications.

The Euro+™ Disc Brake Rotor range is testament to Bendix's commitment to Australian and New Zealand drivers, with both standard and Composite Sport 2-Piece Rotor options available to meet owner requirements.

### **High Carbon Metallurgy**

**Increases brake  
performance  
& stopping power**



**HIGH CARBON  
METALLURGY**

### **SwiftFit™**

**Protective zinc coating  
which is ready to fit**



# **EURO**

## Disc Brake Rotor



### **E+ Original Equipment Fit**

*Specifies design, construction, performance requirements and test protocols to strict European regulations*



*Original Equipment Fit*

### **Quieter, Smoother Braking**

*Quality high carbon metallurgy that perfectly complements Euro+™ Disc Brake Pads for a smooth and quiet braking experience*



## OE expertise, leading technology and precision engineering

### INNOVATION AT ITS FINEST

Bendix Euro+™ disc brake rotors offer the very latest in braking technology and manufacturing processes. Innovative technologies like, HIGH CARBON METALLURGY increases brake performance and stopping power.

They meet strict OE specifications, which specifies the design, construction, and performance requirements and test protocols. E+ Original Equipment Fit calls for disc brake rotors 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%.

When you fit Euro+™ disc brake rotors they meet OE specifications, which means you are fitting quality disc brake rotors specifically designed for European vehicles and engineered for optimum performance, braking synergy and driving comfort.

Euro+™ disc brake rotors are completely coated in our advanced protective zinc coating for a SWIFTFIT, allowing for a faster, easier installation. Bendix Euro+™ disc brake rotors are the perfect complement to the Bendix Euro+™ Brake Pad Kit.

These leading technologies combined with Bendix's unparalleled experience and absolute quality assurance ensure the Bendix Euro+™ disc brake rotors are ready for the demands of today's European vehicles and beyond.

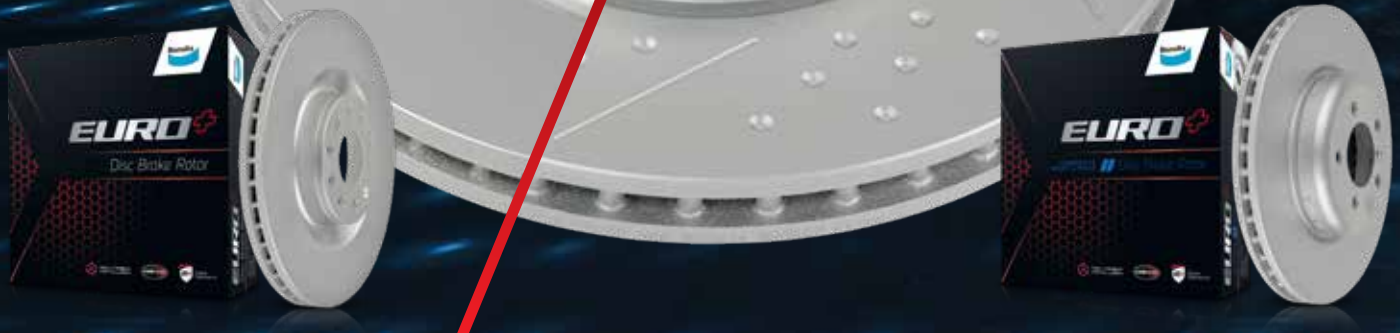
### EURO+™ Disc Brake Rotor

Disc brake rotors for European vehicles offering the latest in braking technology and manufacturing processes.

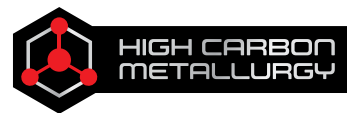
### EURO+™ COMPOSITE SPORT 2-PIECE

### Disc Brake Rotor

Specially designed composite disc brake rotors for selected European vehicles.



## High Carbon Metallurgy



### LESS HEAT AND NOISE, PLUS GREATER STRENGTH

Bendix Euro+™ Disc Brake Rotors incorporate improved noise dampening characteristics and heat dissipation

by utilising HIGH CARBON METALLURGY. The higher carbon formulation increases rotor strength at elevated temperatures, while with the high wear resistance from this increased strength increases rotor durability, reducing the chance of warping when very hot.

## SwiftFit™ Coating



### MORE EFFICIENT INSTALLATION

Bendix disc brake rotors feature SwiftFit surface protection that allows the rotor to be fitted immediately without the need to clean anti-rust oil or coating from the surface. SwiftFit surface protection prevents corrosion of the rotor

resulting in an unlimited shelf life, longer fault free service and a rust free rotor hat which is often visible behind open alloy wheels. Frequently with uncoated conventional rotors, corrosion can impact the rotor mating with the wheel hub face over time and create a vibration that will feel like a wheel imbalance.

## Meets Strict European Regulations



### AN EXACT FIT EVERY TIME

E+ Original Equipment Fit specifies the design, construction, and performance requirements and test protocols for strict European OE specifications. E+ Original Equipment Fit calls for disc brake rotors 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%. When you fit Euro+™ disc brake rotors they meet OE specifications, which means you are fitting quality rotors specifically designed for European vehicles and engineered for optimum performance, braking synergy and driving comfort.

## Why choose Euro+™ Disc Brake Rotors?

### Features

### Benefits

High Carbon Metallurgy

Quality straight from the casting thanks to proven High Carbon Metallurgy, provides improved thermal stability & conductivity, and reduces the chance of warping when very hot.

SwiftFit™ Coating

Faster installation SwiftFit™ coating for fitting without pre-cleaning, with corrosion inhibitors for a great look and will not degrade over time.

E+ Original Equipment Fit

Specifies design, construction, performance requirements and test protocols to strict European regulations.

***Euro+™ Disc Brake Pads are designed to be paired with Euro+™ Disc Brake Rotors for improved performance.***



## **EURO+**™ Disc Brake Rotor

Disc brake rotors for European vehicles offering the latest in braking technology and manufacturing processes.

## **EURO+**™ COMPOSITE SPORT 2-PIECE Disc Brake Rotor

Specially designed composite disc brake rotors for selected European vehicles.

## **EURO+**™ Disc Brake Pads

The perfect match for Euro+™ Disc Brake Rotors, for superior, long-lasting braking with reduced noise and dust.

***Lets drivers know when new pads are needed.***

## **EURO+**™ Wear Sensor

Electronic Brake Wear Sensors are an added safety feature on many vehicles used to warn a vehicle's driver when their brake pads are at the end of their service life.



### FOR MORE INFORMATION

Freecall the Bendix Brake Advice Centre  
on 1800 819 666 (8am-5pm Monday to Friday EST)  
or +61 3 5327 0211 from overseas.  
[brakeadvicecentre@bendix.com.au](mailto:brakeadvicecentre@bendix.com.au)  
[bendix.com.au](http://bendix.com.au) or [bendix.co.nz](http://bendix.co.nz)



\*Bendix brake components are appropriate for the purpose intended and if installed by qualified staff, to the vehicle manufacturer's specifications, can be used in logbook servicing.

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PRJ-08543