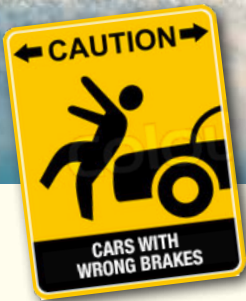


With checklist



Safe while driving
**Only ECE R90 certified
replacement brake linings**
are authorized in the
EU for road traffic.



Important information
and news that will help
you to choose the
right brake linings.

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Certified according to ECE R90

R90 Regulation (ECE R90) applies to the basic braking functions, like design, construction and performance requirements of replacement disc brake and drum brake lining assemblies. ECE R90 states that replacement brake linings comply with European braking requirements for dynamic braking performance, fade and hot/cold performance.

Therefore the braking performance of replacement brake linings has to stay within a tolerance band of 15% to the original equipment brake lining. **Not ECE R90 certified replacement brake linings might not reach such performance levels and therefore can compromise road safety heavily.**

Minimum requirements on physical/mechanical properties are standardized and part of the type approval procedure.

European manufacturers of replacement brake pads also check, during the product development, additional properties of the friction material, such as lining wear, noise and brake comfort like response behavior or pedal feel. Checking up the lining material against its discs wear aggressiveness is an important part of the product engineering. Especially for trucks, high disc wear aggressiveness can lead to an increased wear of the brake disc, disc cracking (destruction) and generate disc thickness variation resulting in judder, steering wheel vibration and noise.

According to EU GSR (General Safety Regulation), replacement brake lining assemblies offered for sale in EU must comply with ECE R90.

The sale of replacement brake lining assemblies without ECE R90 certification and with the information that they can be used only outside EU is not legal.

FEMFM and VRI recommend installing brake pads of known European manufacturers. They develop the linings specifically for each vehicle type with regard to the optimal value of friction, durability and comfort and are manufactured under strict quality and product requirements.

These manufacturers might be recognized by the FEMFM Member Seal.



An initiative of the associations FEMFM and VRI for more road safety:

FEMFM – Federation of European Manufacturers of Friction Materials
Further information: www.femfm.com

VRI-Association of German Friction Industry
Further information: www.vri.de

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Important Features – please remember

This flyer will give you an overview about important information and news you should be aware of before selecting and purchasing replacement brake linings.

All types of brake linings for automotive vehicles are safety relevant parts. In the European Union only ECE R90 type approved replacement brake linings are permitted in road traffic. The performance characteristics of a brake lining, the production conformity and the labeling and packaging of spare parts are the main requirements of the ECE R90. **Please make sure that all markings are complete.**

Brake lining

Make and type of replacement brake lining assemblies or WVA® number.

Manufacturers name or trademark

Readable lining make and type



Type approval or certification number

Date of manufacturing or batch number

Packaging

Seal

Fitting instruction in local language

Type approval or certification number e.g.

(E1) 90R – 01234/056

Application list of type approved vehicles



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Our Checklist – please fill out

10 points you should note when buying brake linings.

The checklist below has been developed as a guide to distinguish, before purchasing brake linings, whether the provider (on the Internet or in retail stores) complies with important safety criteria and statutory rules and standards.

The selection of the correct replacement brake pads ensures proper participation in road traffic and avoids, as far as possible, legal and liability and insurance issues.

The checklist serves as a basis for the recognition of the so-called “black sheep” among suppliers and empty promises of vendors.

All 10 questions is the answer YES?
>> Then you are driving safely!



- 1) Does the packaging of the brake lining show an intact seal?
- 2) Does the packaging show a valid ECE R90 number (e.g. E1 90R -01234/056)?
- 3) Does the packaging show an application list of authorized motor vehicles?
- 4) Does the packaging show the assembly axle clearly?
- 5) Does the packaging include a printed fitting instruction in your local language?
- 6) Is the make and type of brake lining assemblies legible?
- 7) Is the manufacturer's name or the distributor's name visible on the brake lining?
- 8) Is the name of the type of friction material used visible on the brake lining?
- 9) Does the brake lining show the type approval or certification number (e.g. E1 90R-01234/056)?
- 10) Is the date of manufacturing or batch number (for tracking) visible on the brake lining?

Presented by:

