

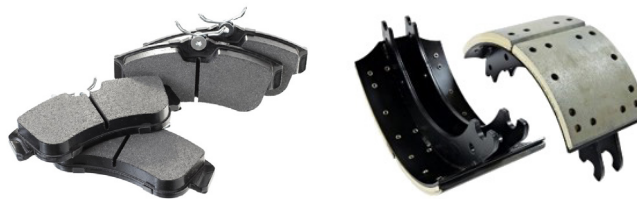


## UN R90 Homologation

European Homologation of Replacement Brake Linings and Drum Brake Linings



United Nations



### THE COMPANY

Applus IDIADA is an officially recognized Technical Service for European Approval of vehicles and components.

Applus IDIADA is accredited for the whole list of European EU Directives and UN/ECE Regulations applicable to all vehicle categories and has a high level of international recognition. We are also able to carry out tests according to standards valid for self-certification.

Testing and homologation of components is one of the company's main areas of expertise.



Applus IDIADA is a member of the Working Groups in Geneva (United Nations) and Brussels (European Union) where vehicle regulations are created and developed.



A single organization able to adapt its international resources to meet each project needs



USA • BRAZIL • SPAIN • GERMANY • CZECH REPUBLIC  
UNITED KINGDOM • INDIA • CHINA • UAE • VIETNAM



## OUR HOMOLOGATION SERVICE

Applus IDIADA is one of the most active European Technical Services in the field of braking systems and brake components homologation.

Our long experience and our dedicated technical section with 25 specialized engineers and technicians makes us able to cope any possible test and homologation program.

Our clients are big multinational OE manufacturers and medium or small local AM manufacturers of brake linings corresponding to vehicles category M1 & N1 (passenger cars and light commercial vehicles), commercial vehicles (category N2, N3 trucks, M2, M3 buses or O3, O4 trailers) or category L (motorcycles).

Due to our know-how in the homologation activity and state of the art testing facilities, we can guarantee a tailor-made service according to each client requirements.

We place at the clients disposal a large team of specialized engineers ready to travel worldwide in response to your needs.

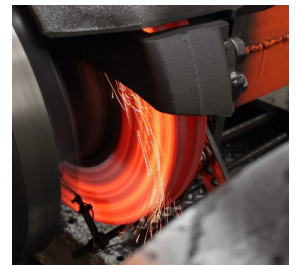
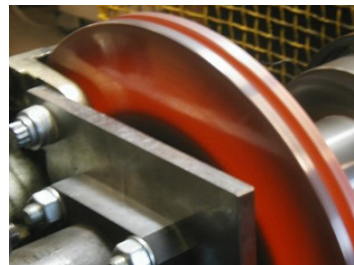
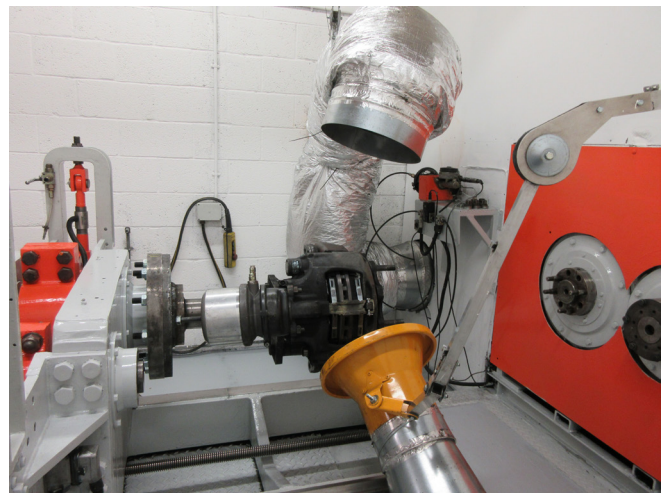
Complete R90.02 entry into force: Regulation (EC) 661/2009 amended by Regulation (EU) 2019/2144

The dates for compliance according to R90 for replacement parts sold after a certain date are:

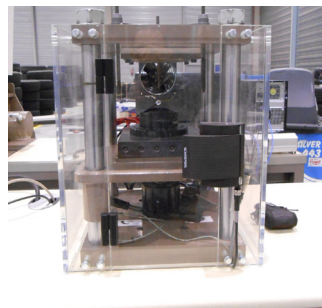
VEHICLE CATEGORY	Replacement brake lining assemblies and drum brake linings
M1/N1/M2 (M1/M2 not exceeding 3,5 tonnes)	07/04/1998
O1/O2	07/04/1998
M1/N1/M2 (exceeding 3,5 tonnes)	01/11/2014
M3/N2/N3	01/11/2014
O3/O4	01/11/2014
L	01/11/2016

Approval Code E9-90R-02 A0001/0001  
Approval Number E9\*90R02/06\*12345\*00

Example



Test bench



Compressibility test



Shear strength test

### CONTACT INFORMATION

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