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STANDARD

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**Road vehicles — Brake linings —  
Compressive strain test method**

*Véhicules routiers — Garnitures de freins — Méthode d'essai de la  
compressibilité*



Reference number  
ISO 6310:2001(E)

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 6310 was prepared by Technical Committee ISO/TC 22, *Road vehicles*, Subcommittee SC 2, *Braking systems and equipment*.

This second edition cancels and replaces the first edition (ISO 6310:1981), which has been technically revised.

Annex A forms a normative part of this International Standard. Annex B is for information only.

## Introduction

The compressive strain of a brake lining is an important design parameter in the evaluation of brake-fluid volume displacement, brake-pedal travel and the propensity for judder or noise.

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# Road vehicles — Brake linings — Compressive strain test method

## 1 Scope

This International Standard specifies a method for test and measurement of the compressive strain of brake linings which is applicable to road-vehicle disc-brake pad assemblies, drum-brake shoe assemblies and friction materials without a backing plate.

## 2 Normative reference

The following normative document contains provisions which, through reference in this text, constitute provisions of this International Standard. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the normative document indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 611, *Road vehicles — Braking of automotive vehicles and their trailers — Vocabulary*.

## 3 Terms and definitions

For the purposes of this International Standard, the terms and definitions given in ISO 611 and the following apply.

### 3.1 compressive strain

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ratio of the reduction in thickness of the brake lining, due to compressive forces and temperatures, to its initial thickness (measured in the direction of the application force, perpendicular to the friction surface)