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**Internal combustion engines — Piston  
pins —**

**Part 2:  
Inspection measuring principles**

*Moteurs à combustion interne — Axes de pistons —*

*Partie 2: Principes de mesure pour le contrôle*



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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 2.

The main task of technical committees is to prepare International Standards. 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 document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 18669-2 was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

ISO 18669 consists of the following parts, under the general title *Internal combustion engines — Piston pins*:

*Part 1: General specifications*

*Part 2: Inspection measuring principles*

# Internal combustion engines — Piston pins —

## Part 2: Inspection measuring principles

### 1 Scope

This part of ISO 18669 defines the measuring principles to be used for measuring piston pins; it applies to piston pins from 8 mm up to and including 100 mm outside diameter for reciprocating internal combustion engines and compressors.

In certain applications, except road vehicles, and provided that mutual agreement is made between the purchaser and the manufacturer, this part of ISO 18669 may be used with suitable modifications.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1101, *Geometrical Product Specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out*

ISO 2639, *Steels — Determination and verification of the depth of carburized and hardened cases*

ISO 4287, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Terms, definitions and surface texture parameters*

ISO 4288, *Geometrical Product Specifications (GPS) — Surface texture: Profile method — Rules and procedures for the assessment of surface texture*

ISO 9934 (all parts), *Non-destructive testing — Magnetic particle testing*

ISO 6506 (all parts), *Metallic materials — Brinell hardness test*

ISO 6507 (all parts), *Metallic materials — Vickers hardness test*

ISO 6508 (all parts), *Metallic materials — Rockwell hardness test*

QS 9000, *Quality Systems Requirements*

ISO 14104:1995, *Gears — Surface temper etch inspection after grinding*

ISO 14253 (all parts), *Geometrical Product Specifications (GPS) — Inspection by measurement of work pieces and measuring equipment*

ISO 18669-1:2004, *Internal combustion engines — Piston pins — Part 1: Specifications*

EN 583 (all parts), *Non-destructive testing — Ultrasonic examination*