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Second edition
2012-10-15

Plain bearings — Metallic multilayer plain bearings —

Part 2:

Destructive testing of bond for bearing metal layer thicknesses greater than or equal to 2 mm

Paliers lisses — Paliers lisses métalliques multicouches —

*Partie 2: Détermination, par essai destructif, de l'adhérence du
matériau antifriction d'épaisseur supérieure ou égale à 2 mm*



Reference number
ISO 4386-2:2012(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 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 4386-2 was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 2, *Materials and lubricants, their properties, characteristics, test methods and testing conditions*.

This second edition cancels and replaces the first edition (ISO 4386-2:1982), which has been technically revised.

ISO 4386 consists of the following parts, under the general title *Plain bearings — Metallic multilayer plain bearings*:

- *Part 1: Non-destructive ultrasonic testing of bond of thickness greater than or equal to 0,5 mm*
- *Part 2: Destructive testing of bond for bearing metal layer thicknesses greater than or equal to 2 mm*
- *Part 3: Non-destructive penetrant testing*

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Introduction

Long years of experience with bond tests led to an adaptation of this part of ISO 4386. The test apparatus has been modified, to reduce the negative local bending stress influence on the specimen. The geometry of the test specimen has been modified to avoid negative influence due to tolerances. A description of the specimen machining sequence has been added to get a more uniform specimen. A subclause on the application for quality control has been added.