
Plain bearings — Testing of bearing metals — Resistance to corrosion by lubricants under static conditions

Paliers lisses — Essai des matériaux antifriction — Résistance à la corrosion par des lubrifiants dans des conditions statiques

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document 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 10129:2006), which has been technically revised.

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Introduction

It is essential that certain properties of bearing materials combined within the tribological system remain unchanged or change only within a permissible range over a long period of time. It is on account of these properties that the materials are regarded as being especially suitable for the tribological system. As to the tribological system “plain bearing”, the compatibility between the bearing materials and lubricant is of special interest and is dependent on chemical and mechanical actions.

The test established in this document determines the behaviour of plain bearing materials with respect to corrosion by lubricants (lubricating oils) under static conditions, i.e. without any mechanical action taking place simultaneously.

In order for such corrosion tests to be evaluated and compared, it is necessary that they be carried out in accordance with the conditions laid down in this document. Other conditions are to be indicated in detail.

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