
**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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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.

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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