International Standard

ISO 7148-2

Third edition
2026-02

Plain bearings — Testing of the tribological behaviour of bearing materials —

Part 2: Testing of polymer-based bearing materials

Paliers lisses — Essai du comportement tribologique des matériaux antifriction —

Partie 2: Essai des matériaux pour paliers à base de polymère

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Contents

Page

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 third edition cancels and replaces the second edition (ISO 7148-2:2012), which has been technically revised.

The main changes are as follows:

- the descriptive statement in Clause 1 about matching test conditions to practical applications have been moved to Clause 5;
- Clause 2 "Normative references" has been updated;
- Clause 3 "Terms and definitions" has been added and subsequent clauses have been renumbered;
- Table 1 and Table A.1 have been updated with symbols and units;
- Clause 6 has been updated and a new Table 2 has been added to compare test methods;
- Clause 7 has been updated where example of warning messages have been added;
- subclause 7.4.9 and subclause 8.3 have been updated with runout tolerance requirements to make the test more accurate;
- Clause 11 has been updated where the relative humidity symbol "RH" has been added;
- Clause 13 "Test report" has been changed to make the reports completer; text have been moved to make the procedures clearer;
- subclause 7.4.6 and subclause 8.2 have been updated to include footnotes and references have been added;
- footnotes have been added to "balls for ball bearings" in subclause 7.4.6 and "precision rolling bearings" in subclause 8.2, and bibliographies have been added.