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Plain bearings — Quality assurance of sample types — Definitions, applications and testing

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Foreword

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This document was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 5, *Quality analysis and assurance*.

This second edition cancels and replaces the first edition (ISO 12308:1994), which has been technically revised.

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Plain bearings — Quality assurance of sample types — Definitions, applications and testing

1 Scope

This document defines the types of plain bearing samples exchanged between purchaser and manufacturer.

In the field of internal combustion engines and other series production, it is necessary to work with different types of samples depending on the purpose.

Types of samples are as follows.

— Samples used for tests and examinations which are carried out in the experimental stage and pilot lot stage. These include fitting samples, prototype samples and intermediate samples.

— Samples used to prove that the quality is in accordance with the quality requirements (dimensions, material and performance specification). These include initial samples and reference samples and, if necessary, intermediate samples.

NOTE See ISO 3534 (all parts) and ISO 9000 for further information.

— Samples which give selective information about particular quality characteristics of a plain bearing, relating to their conformity with the specifications. These involve reference and characteristic modification samples.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 12301, *Plain bearings — Quality control techniques and inspection of geometrical and material quality characteristics*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— IEC Electropedia: available at http://www.electropedia.org/

— ISO Online browsing platform: available at http://www.iso.org/obp

4 Inspection and test report for samples

Together with the samples, the manufacturer shall supply a completed test report to the purchaser with data on dimensions, material and/or performance, as appropriate. In the fields of application listed in Clause 1, the “Initial Sample Test Report” is used for the initial samples and the characteristic modification samples. The purchaser shall share the result of inspection with the manufacturer.

The test results shall be kept by the manufacturer subject to agreement between the manufacturer and purchaser.

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