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Plain bearings — Quality characteristics — Statistical process control (SPC)

Paliers lisses — Caractéristiques de qualité — Contrôle statistique du procédé (CSP)

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ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

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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 12302:1993), which has been technically revised.

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Plain bearings — Quality characteristics — Statistical process control (SPC)

1 Scope

This document specifies for plain bearings (except thick-walled half-bearings) those quality characteristics in accordance with ISO 12301 which can be used to regulate and control a production process on the basis of statistical process control (SPC).

It covers dimensional variables but does not take account of attributes.

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

For the purposes of this document, the following definitions apply.

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

3.1
quality characteristic
characteristic by means of which the quality of a plain bearing is assessed

3.2
statistical process control
SPC
control of quality characteristics of plain bearings during the production process by means of statistical techniques in order to comply with quality requirements

4 SPC methods

The applied statistical methods used to achieve control of a production process may be different and thus are to be agreed upon between the manufacturer and customer.

5 Selection of SPC quality characteristics

Depending on the intended purpose, function, etc. of the plain bearings to be used, the manufacturer and customer shall select and stipulate the particular characteristics for SPC according to Clause 6.

It should be noted that the designated characteristics in the matrix of Clause 6 have been prepared as a guide.

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