

INTERNATIONAL
STANDARD

ISO
7905-2

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Plain bearings — Bearing fatigue —

Part 2:

Test with a cylindrical specimen of a metallic
bearing material

Paliers lisses — Fatigue des paliers —

Partie 2: Essai d'éprouvettes cylindriques de métal antifriction



Reference number
ISO 7905-2:1995(E)

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 7905-2 was prepared by Technical Committee ISO/TC 123, *Plain bearings*, Subcommittee SC 2, *Materials and lubricants, their properties, characteristics, test methods and testing conditions*.

ISO 7905 consists of the following parts, under the general title *Plain bearings — Bearing fatigue*:

- *Part 1: Plain bearings in test rigs and in applications under conditions of hydrodynamic lubrication*
- *Part 2: Test with a cylindrical specimen of a metallic bearing material*
- *Part 3: Test on plain strips of a metallic multilayer bearing material*
- *Part 4: Tests on half-bearings of a metallic multilayer bearing material*

Annex A of this part of ISO 7905 is for information only.

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Plain bearings — Bearing fatigue —

Part 2:

Test with a cylindrical specimen of a metallic bearing material

1 Scope

This part of ISO 7905 specifies a method for the determination of the endurance limit in fatigue of bearing materials alone (not attached to steel backing).

2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this part of ISO 7905. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this

part of ISO 7905 are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 468:1982, *Surface roughness — Parameters, their values and general rules for specifying requirements.*

3 Test specimens

The test specimens shall be cylindrical and in accordance with figure 1.

Dimensions in millimetres

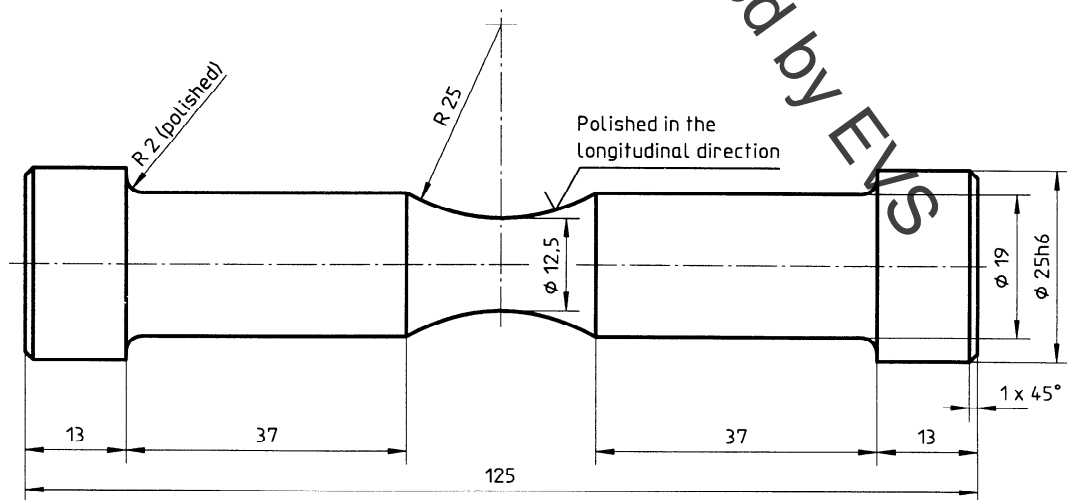


Figure 1 — Specimen dimensions