BS ISO 11687-3:2020

BSI Standards Publication

Plain bearings — Pedestal plain bearings

Part 3: Centre flange bearings

Documents
Document Sharing Hub

Full document details: BS ISO 11687-3:2020

National foreword

This British Standard is the UK implementation of ISO 11687-3:2020.

The UK participation in its preparation was entrusted to Technical Committee MCE/12, Plain bearings.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2020
Published by BSI Standards Limited 2020

ISBN 978 0 539 02426 5

ICS 21.100.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 April 2020.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: BS ISO 11687-3:2020

INTERNATIONAL STANDARD

ISO 11687-3

Second edition
2020-04

Plain bearings — Pedestal plain bearings —

Part 3: Centre flange bearings

Paliers lisses — Paliers lisses à chaise sur le sol —

Partie 3: Paliers à bride centrale

Reference number
ISO 11687-3:2020(E)

Documents
Document Sharing Hub
© ISO 2020

Full document details: BS ISO 11687-3:2020

COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

© ISO 2020 – All rights reserved

Documents
Document Sharing Hub

Full document details: BS ISO 11687-3:2020

Contents

Page

Foreword ..... **iv**

1 Scope **1**

2 Normative references **1**

3 Terms and definitions **1**

4 Types of bearing **2**
4.1 General 2
4.2 Housing 2
4.3 Heat dissipation 2
4.4 Shape of bore for journal bearing and type of lubrication 2
4.5 Thrust bearing 2
4.6 Seal 2

5 Dimensions **3**

6 Shaft design **3**

7 Materials **3**

8 Design **3**
8.1 General tolerances 3
8.2 Surface roughness 3
8.3 Housing 4
8.4 General 4

9 Designation **4**

© ISO 2020 – All rights reserved

Documents
Document Sharing Hub
Full document details: BS ISO 11687-3:2020

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.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 123, *Plain bearings,* Subcommittee SC 3, *Dimensions, tolerances and construction details*.

This second edition cancels and replaces the first edition (ISO 11687-3:1995), which has been technically revised.

The main changes compared to the previous edition are as follows:

— in Clause 2, the normative references have been updated;

— the former Clause 6 is now Clause 7.

A list of all parts in the ISO 11687 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

© ISO 2020 – All rights reserved
Documents
Document Sharing Hub
Full document details: BS ISO 11687-3:2020