



**International
Standard**

ISO 8747

**Fasteners — Grooved pins with
countersunk head — Full-length
diamond grooves**

*Fixations — Clous cannelés à tête fraisée — Cannelures diamant
sur toute la longueur*

**Third edition
2025-02**

**Standards
(<https://standards.iteh.ai>)
Document Preview**

[ISO 8747:2025](https://standards.iteh.ai/catalog/standards/iso/c84a7325-1d49-4181-8b95-54ab7414bd12/iso-8747-2025)

<https://standards.iteh.ai/catalog/standards/iso/c84a7325-1d49-4181-8b95-54ab7414bd12/iso-8747-2025>

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 8747:2025](https://standards.iteh.ai/catalog/standards/iso/c84a7325-1d49-4f81-8b95-54ab7414bd12/iso-8747-2025)

<https://standards.iteh.ai/catalog/standards/iso/c84a7325-1d49-4f81-8b95-54ab7414bd12/iso-8747-2025>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

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
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword.....	iv
1 Scope.....	1
2 Normative references.....	1
3 Terms and definitions.....	1
4 Principles of grooved pins and assembly.....	1
5 Dimensions.....	2
6 Requirements and reference International Standards.....	5
7 Labelling on package.....	5
8 Designation.....	6
Bibliography.....	7

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 8747:2025](https://standards.iteh.ai/catalog/standards/iso/c84a7325-1d49-4f81-8b95-54ab7414bd12/iso-8747-2025)

<https://standards.iteh.ai/catalog/standards/iso/c84a7325-1d49-4f81-8b95-54ab7414bd12/iso-8747-2025>

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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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 2, *Fasteners*, in collaboration with the European Committee for Standardization (CEN) Technical Committee CEN/TC 185 *Fasteners*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

This third edition cancels and replaces the second edition (ISO 8747:1997) which has been technically revised.

ISO 8747:2025

The main changes are as follows: [standards/iso/c84a7325-1d49-4f81-8b95-54ab7414bd12/iso-8747-2025](https://standards.iso/c84a7325-1d49-4f81-8b95-54ab7414bd12/iso-8747-2025)

- terms and definitions, principles for grooved pins and assembly (including hole dimensions), control of the expanded diameter d_2 and pin straightness, mechanical and physical properties (including shear resistance and hardness) and inspection which are common for all grooved pins (product standards ISO 8739 to ISO 8747, ISO 13670 and ISO 13672) have been specified in the new reference standard ISO 13669 dealing with general requirements;
- nominal sizes 1,4 mm and 1,6 mm have been deleted;
- the symbols for the pilot point (PL instead of B) and optional chamfer point (CH instead of A) have been amended analogously to ISO 4753; the length of the points has been specified as a minimum value;
- the head diameters d_k have been recalculated and rounded to the nearest 0,05 mm for pins with nominal sizes up to 8 mm; $d_{k,max}$ has been recalculated for pins with nominal sizes 16 mm and 20 mm;
- the head height k has been added as a reference dimension;
- the maximum distance between the underhead bearing surface and the beginning of the grooves l_k has been added;
- stainless steel grades A2, A4, C1 and F1 have been added;
- other materials (such as hardened steels, brass, aluminium) are by agreement (see [Table 3](#));
- specifications for labelling have been added as [Clause 8](#).

ISO 8747:2025(en)

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.

iTeh Standards (<https://standards.itih.ai>) Document Preview

[ISO 8747:2025](https://standards.itih.ai/catalog/standards/iso/c84a7325-1d49-4f81-8b95-54ab7414bd12/iso-8747-2025)

<https://standards.itih.ai/catalog/standards/iso/c84a7325-1d49-4f81-8b95-54ab7414bd12/iso-8747-2025>

