

ISO/FDIS 8740:2024(En)

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Contents

Foreword iv

1 Scope 1

2 Normative references 1

3 Terms and definitions 1

4 Principles of grooved pins and assembly 2

5 Dimensions 2

6 Requirements and reference International Standards 5

7 Labelling on package 6

8 Designation 6

Bibliography 7

Foreword 3

1 Scope 4

2 Normative references 4

3 Terms and definitions 4

4 Principles of grooved pins and assembly 4

5 Dimensions 5

6 Requirements and reference International Standards 8

7 Labelling on package 9

8 Designation 9

Bibliography 10

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Foreword

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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).

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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 8740:1997) which has been technically revised.

The main changes are as follows:

- 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, *general requirements*;
- non-preferred diameters 1 mm, 3,5 mm, 7 mm, 9 mm, 14 mm and 18 mm have been added;
- values of expanded diameter d_2 for steel pins have been slightly increased for the shortest length range, and have been added for stainless steel pins;
- tolerances for the rounded end have been added, and chamfer end option has been deleted;
- stainless steel grades A2, A4, C1 and F1 have been added;

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- other materials (such as hardened steels, brass, aluminium) are by agreement (see [Table 3](#)); [Table 3](#);
- specifications for labelling have been added as [Clause 9](#); [Clause 8](#).

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; www.iso.org/members.html.

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