

ISO/FDIS 8745:2024(en)

ISO/TC 2

Secretariat: DIN

Date: 2024-10-22xx

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Fasteners — Taper grooved pins — Half-length progressive grooves

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Fixations — Goupilles cannelées progressives — Cannelures progressives sur la moitié de la longueur

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ISO/FDIS 8745:2024(Fen)

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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 8745:1997) 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 and values for the chamfered end have been added;
- tolerances for the length of the grooves have been added;

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- 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](#).

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