



# FINAL DRAFT International Standard

## ISO/FDIS 7434

### Fasteners — Slotted set screws with cone point

*Fixations — Vis sans tête fendues à bout pointeau*

ISO/TC 2/SC 11

Secretariat: **DIN**

Voting begins on:  
**2024-03-21**

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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](http://www.iso.org/directives)).

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This document was prepared by Technical Committee ISO/TC 2, *Fasteners*, Subcommittee SC 11, *Fasteners with metric external thread*, 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 second edition cancels and replaces the first edition (ISO 7434:1983), which has been technically revised.

The main changes are as follows:

- the point angle with tolerance of  $\pm 2^\circ$  has been changed to a reference angle  $\beta_{\text{ref}}$  of  $90^\circ$  or  $120^\circ$ , without tolerance;
- the values of  $d_t$  for cone point have been added in [Table 1](#);
- for M1,6,  $l = 2$  mm has been classified as too short length; the lengths for M2 ( $l = 3$  mm), M3 ( $l = 4$  mm), M3,5 ( $l = 5$  mm), M4 ( $l = 5$  mm) and M5 ( $l = 6$  mm) have been classified separately as short standard lengths with  $l_{\text{nom}}$  calculated in order to get at least 2,5 full pitches; regular standard lengths have been calculated in order to get at least 4 full pitches up to M3,5 and 3 full pitches above M3,5;
- for stainless steel screws, grades A2 and A4 with hardness classes 12H and 21H have been added;
- non-ferrous metal screws have been deleted (as a consequence of the withdrawal of ISO 8839);
- mechanical properties of steel and stainless steel screws have been added for  $d < 1,6$  mm (“As agreed”) in [Table 3](#);
- for steel fasteners, “plain” has been changed to “as processed”, and non-electrolytically applied zinc flake coating has been added in [Table 3](#);
- for stainless steel fasteners, “plain” has been changed to “Clean and bright”, and “Passivated” has been added in [Table 3](#);

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- the requirement of surface integrity has been added for steel screws in [Table 3](#);
- specifications for marking and labelling have been added as [Clause 6](#).

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](http://www.iso.org/members.html).

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