International Standard

ISO 12164-6

Hollow taper interface with flange contact surface —

Part 6: Receivers of types AS, CS and ES for hollow taper shanks of types AS, CS and ES

Interfaces à cône creux-face —

Partie 6: Nez de broches de types AS, CS et ES pour queues de types AS, CS et ES

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Foreword

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This document was prepared by Technical Committee ISO/TC 29, *Small tools,* Subcommittee SC 9*, Tools with defined cutting edges, holding tools, cutting items, adaptive items and interfaces*.

A list of all parts of the ISO 12164 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.

This corrected version of ISO 12164-6:2023 incorporates the following corrections:

— in 5.2 the minimum hardness value, 50 HRC, has been changed to 60 HRC;

— in Table A.1 columns for nominal size 25 and 32 were removed.

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Hollow taper interface with flange contact surface —

Part 6: Receivers of types AS, CS and ES for hollow taper shanks of types AS, CS and ES

1 Scope

This document specifies dimensions for receivers with taper and flange contact surfaces for hollow taper shanks (HSK) in accordance with ISO 12164-5 to be applied to machine tools (e.g. machines for turning, drilling, milling and grinding).

This document specifies three types of receivers:

— type AS for automatic tool change;

— type CS for manual tool change only, via radial holes in both the receiver and the tool shank;

— type ES for automatic tool change.

NOTE 1 The receivers of types AS, CS and ES fit the HSK shanks of types AS, CS and ES (according to ISO 12164-5).

NOTE 2 HSK shanks of types AS and ES can also be changed manually.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2768-1, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 Receivers for hollow taper shanks, types and dimensions

4.1 General

Dimensions of receivers for hollow taper shanks with flange contact surface of types AS, CS and ES are specified in Figures 1 to 3 and in Table 1. Details not specified shall be chosen expediently. Tolerances of form, orientation, location and run-out correspond to ISO 1101. Dimensions and tolerances of cones are in

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