
**Polygonal taper interface with flange
contact surface —**

**Part 2:
Dimensions and designation of
receivers**

Interfaces à cône polygonal avec face d'appui —

Partie 2: Dimensions et désignation des nez de broche



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Published in Switzerland

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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 documents 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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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 29, *Small tools*.

This second edition cancels and replaces the first edition (ISO 26623-2:2008), which has been technically revised.

ISO 26623 consists of the following parts, under the general title *Polygonal taper interface with flange contact surface*:

- *Part 1: Dimensions and designation of shanks*
- *Part 2: Dimensions and designation of receivers*

Polygonal taper interface with flange contact surface —

Part 2:

Dimensions and designation of receivers

1 Scope

This part of ISO 26623 specifies dimensions for polygonal taper interfaces with flange contact surface, polygon-receivers for automatic and manual tool exchange to be applied on machine tools (e. g. turning machines, drilling machines, milling machines, and turn/milling centres as well as grinding machines). A range of receiver sizes is specified.

The torque is transmitted by form lock (polygon).

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable to its application. 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*

ISO 2768-2, *General tolerances — Part 2: Geometrical tolerances for features without individual tolerance indications*

ISO 26623-1, *Polygonal taper interface with flange contact surface — Part 1: Dimensions and designation of shanks*

3 Dimensions

3.1 General

Tolerances for linear dimensions for features without individual tolerance indications shall be of tolerance class “m” in accordance with ISO 2768-1 and geometrical tolerances for features without individual tolerance indications shall be of tolerance class “K” in accordance with ISO 2768-2.

3.2 Polygon-receivers

The dimensions of polygon-receivers shall be as specified in [Figures 1](#), in [Table 1](#), and according to ISO 26623-1.