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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 36485.1-2018

**Tool holders with rectangular shank for indexable inserts -- Part
1: General, correlation and determination of dimensions**

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Foreword

GB/T 36485 "Rectangular shank with indexable insert" is divided into two parts.

--- Part 1. Determination, relevance and size determination;

--- Part 2. Toolbar size.

This part is the first part of GB/T 36485.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This section uses the redrafting method to modify the ISO 5610-1.2014 "Rectangular shank with indexable inserts" Part 1. Overview,

Determination of relevance and size" (English version).

The technical differences and reasons for this part and ISO 5610-1.2014 are as follows.

---About the normative reference documents, this part has made technical adjustments to adapt to China's technical conditions, adjustments

The situation is reflected in Chapter 2, "Regulatory References", and the specific adjustments are as follows.

* Replace ISO 5608 with GB/T 5343.1 modified to adopt international standards;

* Replace parts 2~15 of ISO 5610 with GB/T 36485.2 modified to international standards;

* Replaced ISO 3002-1 with GB/T 12204 modified to adopt international standards;

--- Table 3 of Chapter 3, supplemented the cross-sectional dimension 0808 in the A-type D-bar;

In Figure 3 of -5.1.1, the size l1 is added.

This section has made the following editorial changes.

--- Delete informative Appendix A and references.

This part was proposed by the China Machinery Industry Federation.

This part is under the jurisdiction of the National Tool Standardization Technical Committee (SAC/TC91).

This section is mainly drafted by: Chengdu Tool Research Institute Co., Ltd., Sentai Yingge (Chengdu) CNC Tool Co., Ltd.

1 Scope

This part of GB/T 36485 specifies an overview of the rectangular shank with indexable inserts and various types in GB/T 36485.2.

The relevance and size of the shank.

The material of the indexable insert is made of cemented carbide, ceramic and other cutting materials. The indexable insert is clamped on the arbor and used in the car.

cut. This section is an overview and is associated with the toolholders in GB/T 36485.2.

This section applies to rectangular shank shanks with indexable inserts.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 5343.1 Indexable turning tools and tool holders - Part 1. Specification of the model (GB/T 5343.1-2007, ISO 5608.

1995, MOD)

GB/T 36485.2 Rectangle shank with indexable inserts Part 2. shank size (GB/T 36485.2-2018,

ISO 5610-2~5610-15.2014, MOD)

GB/T 12204 Metal cutting basic terms (GB/T 12204-2010, ISO 3002-1. 1982, MOD)

3 Overview

The rectangular handle shank type and cross-section code for the indexable insert are shown in Table 1. Sectional view and generation of a rectangular shank with an indexable insert

No. and size are in accordance with GB/T 36485.2.

The rules for the representation of the toolholder model are as specified in GB/T 5343.1.