

**BUREAU OF INDIAN STANDARDS**

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*भारतीय मानक मसौदा*

**स्वचल टूल चेंजरोँ के लिए 7/24 टेपर वाले टूल शैंक**

भाग 3 ए.डी., ए.एफ., यू.डी., यू.एफ., जे.डी. एवं जे.एफ. प्ररूप के रिटेंशन नॉब

(IS/ISO 7388-3 का पहला पुनरीक्षण)

*Draft Indian Standard*

**Tool Shanks with 7/24 Taper for Automatic Tool Changers**

Part 3 Retention Knobs of Forms AD, AF, UD, UF, JD and JF

(*First Revision of IS/ISO 7388-3*)

ICS 25.060.20

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Cutting Tools Sectional Committee, PGD 32      Last Date for Comments: 21 May 2024

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**NATIONAL FOREWORD**

This Indian Standard (Part 3) (First Revision) which is identical with ISO 7388-3 : 2016 ‘Tool shanks with 7/24 taper for automatic tool changers — Part 3: Retention knobs of forms AD, AF, UD, UF, JD and JF’ issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on recommendation of the Drawings Sectional Committee and approval of the Production and General Engineering Division Council.

This standard was originally published in 2013. The original version of this standard was identical with ISO 7388-3: 2007 ‘Tool shanks with 7/24 taper for automatic tool changers — Part 3: Retention knobs for shanks of forms AC, AD, AF, UC, UD, UF, JD and JF’ and superseded IS 11173 (Part 2) : 1985 ‘Recommendations for tool shanks 7/24 for numerically controlled machine tools with automatic tool changers (tool rotating type): Part 2 Retention knobs’. The first revision of this standard has been undertaken to align it with the latest version of ISO 7388-3.

The major changes in this revision are as follows:

- a) In the title and in all the text, “retention knobs for shanks of form” has been changed to “retention knobs of form”.
- b) Forms AC and UC have been deleted from the title and from the designation.
- c) A footnote has been added to Table 1 and 5.

This standard is published in three parts. Other part in this series are:

Part 1 Dimensions and designation of shanks of forms A, AD, AF, U, UD and UF

Part 2 Dimensions and designation of shanks of forms J, JD and JF

The text of ISO Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appear referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards, which are to be substituted in their respective places, are listed below along with their degree of equivalence for the editions indicated:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
ISO 2768-1 General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications	IS 2102 (Part 1) : 1993/ISO 2768-1 : 1989 General tolerances: Part 1 Tolerances for linear and angular dimensions without individual tolerance indications ( <i>third revision</i> )	Identical
ISO 2768-2 <sup>1)</sup> General tolerances — Part 2: Geometrical tolerances for features without individual tolerance indications	IS 17894 : 2022/ISO 22081 : 2021 Geometrical product specifications (GPS) — Geometrical tolerancing — General geometrical specifications and general size specifications	Identical
ISO 8015 Geometrical product specifications (GPS) — Fundamentals — Concepts, principles and rules	IS 12160 : 2015/ISO 8015 : 2011 Geometrical product specifications (GPS) — Fundamentals — Concepts, principles and rules ( <i>first revision</i> )	Identical

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<sup>1)</sup> ISO 2768-2 : 1989 superseded by ISO 22081 : 2021.

The technical committee has reviewed the provisions of the following International Standard referred in this adopted standard and has decided that it is acceptable for use in conjunction with this standard:

<i>International Standard</i>	<i>Title</i>
ISO 1629 : 2013	Rubber and latices – Nomenclature

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test or analysis, shall be rounded off in accordance with IS 2 : 2022 ‘Rules for rounding off numerical values’ (*second revision*). The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**NOTE:** The technical content of draft standard is not available on website. For details please refer to ISO 7388-3 : 2016 or contact:

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