

**BUREAU OF INDIAN STANDARDS**

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**Doc.: PGD 04 (25777) WC**

**July 2024**

*भारतीय मानक मसौदा*

**दबाने के लिए उपकरण - बॉल-लॉक पंच**

**भाग 2: अधिक प्रयोग के लिए बॉल-लॉक पंच**

*Draft Indian Standard*

**Tools for pressing — Ball-lock punches**

**Part 2: Ball-lock punches for heavy duty**

ICS 25.120.10

Metal Forming Machines Sectional Committee,  
PGD 04

Last date for Comments: **01-08-2024**

**NATIONAL FOREWORD**

This Indian Standard which is identical with ISO 10071-2 : 2005 ‘Tools for pressing — Ball-lock punches Part 2: Ball-lock punches for heavy duty’ issued by the International Organization for Standardization (ISO) will be adopted by the Bureau of Indian Standards on recommendation of the Metal Forming Machines Sectional Committee and approval of the Production and General Engineering Division Council.

This part of Standard specifies interchangeability dimensions and tolerances, in millimetres, for ball-lock punches for heavy duty. It is applicable to ball-lock punches with shank diameter sizes from 10 mm up to including 40 mm, in round, square, rectangular and oblong shapes, for punching holes in steel sheets or other materials the thickness of which is less than 8 mm.

This Indian Standard is published in two parts. The other part in the series is:

Part 1: Ball-lock punches for light duty

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 8695 : 2010 Tools for pressing — Punches — Nomenclature and terminology	IS 15300 : 2016 Tools for pressing — Punches — Nomenclature and terminology ( <i>first revision</i> )	<i>Identical</i>
ISO 2768-1 : 1989 General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications	IS 2102 (Part 1) : 1993 General tolerances: Part 1 Tolerances for linear and angular dimensions without individual tolerance indications ( <i>third revision</i> )	<i>Identical</i>

The standard also makes a reference to the BIS Certification Marking of the product. Details of which are given in National Annex A.

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*)’.

## **NATIONAL ANNEX A**

*(National Foreword)*

### **A-1 BIS CERTIFICATION MARKING**

The product may also be marked with the Standard Mark.

**A-1.1** The use of the Standard Mark is governed by the provisions of the Bureau of Indian Standards Act, 2016 and the Rules and Regulations made thereunder. The details of conditions under which the license for use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.

The product(s) conforming to the requirements of this standard may be certified as per the conformity assessment schemes under the provisions of the Bureau of Indian Standards Act, 2016 and the Rules and Regulations framed thereunder, and the products may be marked with the standard mark.

**NOTE:** The technical content of draft standard is not available on website. For details, please refer to ISO 10071-2 : 2005 or contact:

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