
Tools for pressing — Cam driver plates

Outillage de presse — Plaques d'entraînement de came

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 23481:2021](https://standards.iteh.ai/catalog/standards/sist/719055e3-cf41-47b8-bca9-cfc34e6fa476/iso-23481-2021)

<https://standards.iteh.ai/catalog/standards/sist/719055e3-cf41-47b8-bca9-cfc34e6fa476/iso-23481-2021>



iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO 23481:2021

<https://standards.iteh.ai/catalog/standards/sist/719055e3-cf41-47b8-bca9-cfc34e6fa476/iso-23481-2021>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2021

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Dimensions	1
5 Material	3
6 Designation	3

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO 23481:2021](https://standards.iteh.ai/catalog/standards/sist/719055e3-cf41-47b8-bca9-cfc34e6fa476/iso-23481-2021)

<https://standards.iteh.ai/catalog/standards/sist/719055e3-cf41-47b8-bca9-cfc34e6fa476/iso-23481-2021>

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 8, *Tools for pressing and moulding*.

This third edition cancels and replaces the second edition (ISO 23481:2013), which has been technically revised.

The main changes compared to the previous edition are as follows:

- indication of a radius instead of a chamfer at the entrance of the 20 mm diameter;
- indication of a radius at the upper left corner of the cam driver plate.

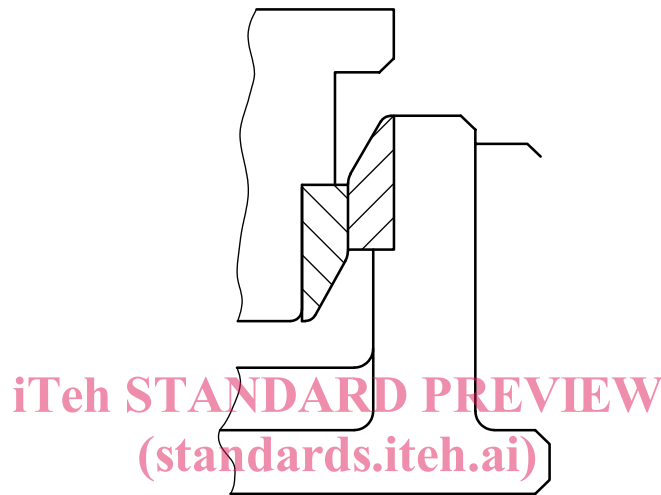
Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Tools for pressing — Cam driver plates

1 Scope

This document specifies the main dimensions and tolerances of plates to be used for cam drivers and slides in tools for pressing (an application example is shown in [Figure 1](#)).

It also specifies the designation of cam driver plates.



ISO 23481:2021
<https://standards.iteh.ai/catalog/standards/sist/19059c5-cf11-4708-b0d9-cfc34e6fa476/iso-23481-2021>
Figure 1 — Application example of cam driver plates

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*

ISO 4762, *Hexagon socket head cap screws*

ISO 13715, *Technical product documentation — Edges of undefined shape — Indication and dimensioning*

3 Terms and definitions

No terms and definitions are listed in this document.

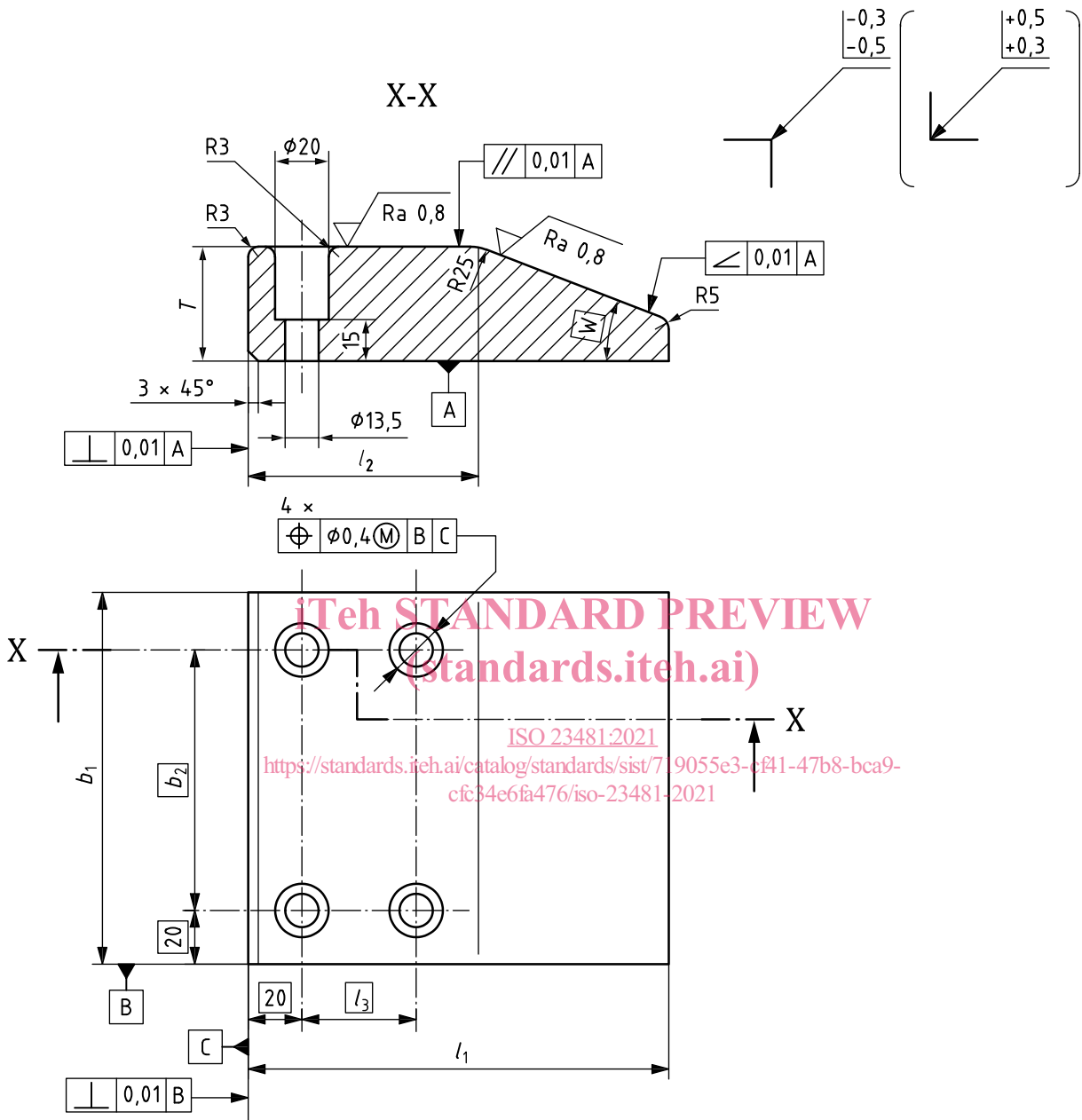
ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <http://www.electropedia.org/>

4 Dimensions

The dimensions of cam driver plates shall conform to the indications in [Figure 2](#) and [Table 1](#).

Dimensions in millimetres
Surface roughness values in micrometres



All edges of undefined shape shall be in accordance with ISO 13715.
The general tolerance shall be ISO 2768-m according to ISO 2768-1.

Figure 2 — Cam driver plates

Table 1 — Dimensions of cam driver plates

Dimensions in millimetres

W	b_1 0 -0,2	l_1 $\pm 0,2$	T $\pm 0,01$	l_2	b_2	l_3	Hexagon socket	
							ISO 4762	pieces
20°	100	170	45	90	60	45	M12 × 40	4
	125	170	45		85			
	150	170	45		110			
	200	170	45		160			
30°	100	150	45	90	60	45	M12 × 40	4
		170	60		85			
	125	150	45		110			
		170	60		160			
	150	150	45		110			
		170	60		160			
	200	150	45		160			
		170	60		160			

5 Material

The choice of material is left to the manufacturer's discretion.

6 Designation

Cam driver plates in accordance with this document shall be designated by:

- Cam driver plate;
- a reference to this document, i.e. ISO 23481;
- width, b_1 , in millimetres;
- length, l_1 , in millimetres;
- thickness, T , in millimetres.

EXAMPLE A cam driver plate with width $b_1 = 100$ mm, length $l_1 = 170$ mm, and thickness $T = 60$ mm is designated as follows:

Cam driver plate ISO 23481 - 100 × 170 × 60