

BS ISO 23481:2013



BSI Standards Publication

## Tools for pressing — Cam driver plates

**bsi.**

...making excellence a habit.™

**National foreword**

This British Standard is the UK implementation of ISO 23481:2013. It supersedes BS ISO 23481:2008 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee MTE/12, Tools for pressing and moulding.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2013. Published by BSI Standards Limited 2013

ISBN 978 0 580 79397 4

ICS 25.120.10

**Compliance with a British Standard cannot confer immunity from legal obligations.**

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 December 2013.

**Amendments issued since publication**

Date	Text affected
------	---------------

---

INTERNATIONAL  
STANDARD

**ISO**  
**23481**

Second edition  
2013-12-01

---

---

**Tools for pressing — Cam driver plates**

*Outillage de presse — Plaques d'entraînement de came*



Reference number  
ISO 23481:2013(E)

© ISO 2013



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2013

All rights reserved. Unless otherwise specified, 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  
Case postale 56 • CH-1211 Geneva 20  
Tel. + 41 22 749 01 11  
Fax + 41 22 749 09 47  
E-mail [copyright@iso.org](mailto:copyright@iso.org)  
Web [www.iso.org](http://www.iso.org)

Published in Switzerland

# Contents

	Page
Foreword .....	iv
<b>1 Scope .....</b>	<b>1</b>
<b>2 Normative references .....</b>	<b>1</b>
<b>3 Dimensions .....</b>	<b>1</b>
<b>4 Material .....</b>	<b>3</b>
<b>5 Designation .....</b>	<b>3</b>

## 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](http://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](http://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 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*, Subcommittee SC 8, *Tools for pressing and moulding*.

This second edition cancels and replaces the first edition (ISO 23481:2008), Figure 2 of which has been technically revised to enlarge the radius R of the cam driver plate.

# Tools for pressing — Cam driver plates

## 1 Scope

This International Standard 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.

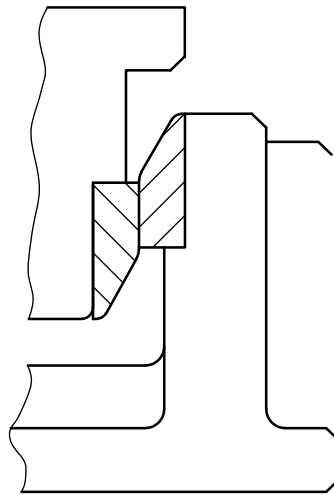


Figure 1 — Application example of cam driver plates

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for 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 4762, *Hexagon socket head cap screws*

ISO 13715, *Technical drawings — Edges of undefined shape — Vocabulary and indications*

## 3 Dimensions

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

All edges of undefined shape shall be in accordance with ISO 13715.

General tolerance: ISO 2768-m  
 dimensions in millimetres  
 surface roughness values in micrometres

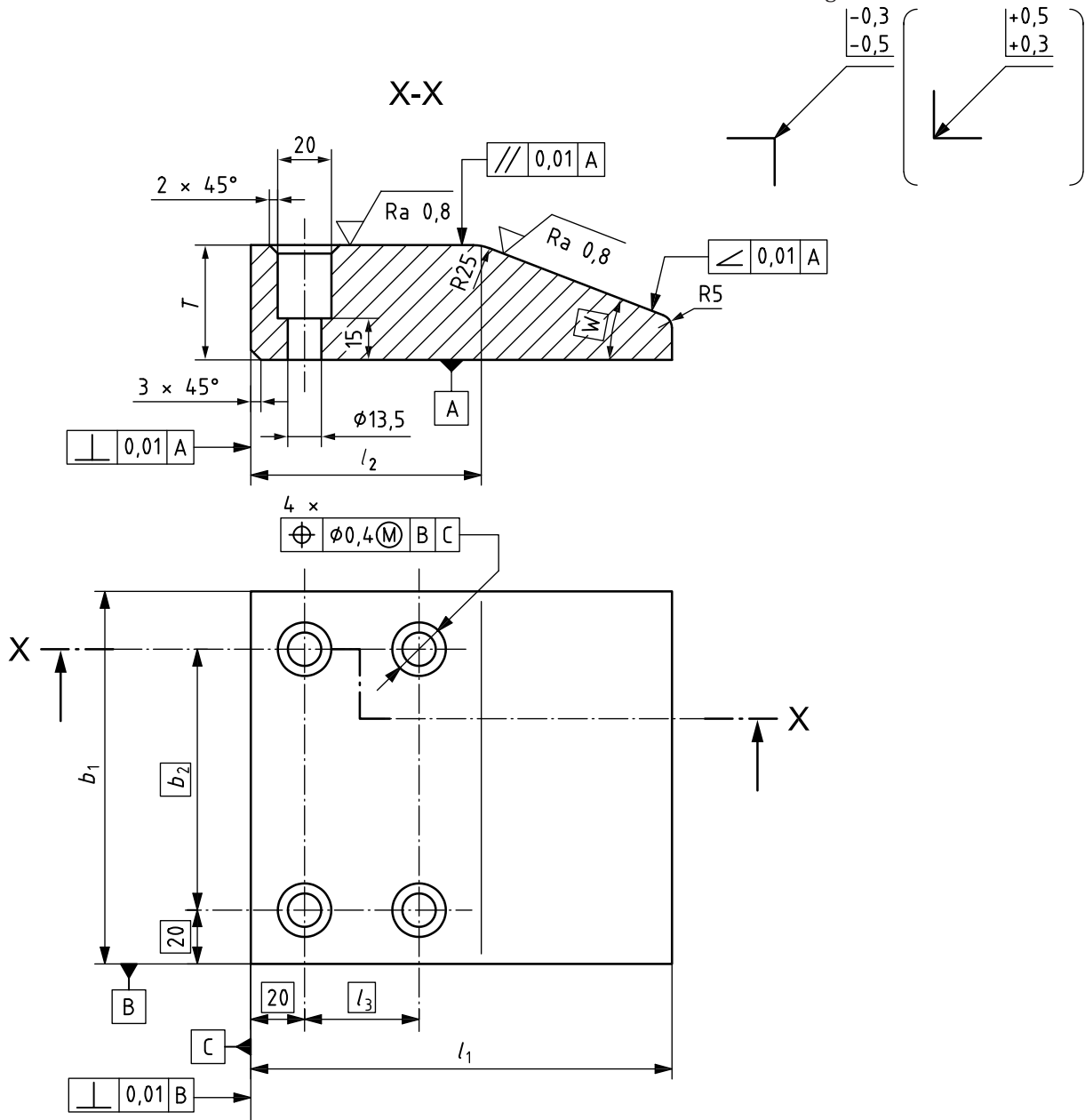


Figure 2 — Cam driver plates



**Table 1 — Dimensions of cam driver plates**

Dimensions in millimetres

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

#### 4 Material

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

#### 5 Designation

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

- a) Cam driver plate;
- b) a reference to this International Standard, i.e. ISO 23481;
- c) width,  $b_1$ , in millimetres;
- d) length,  $l_1$ , in millimetres;
- e) 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**





