

INTERNATIONAL
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Second edition
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Tools for pressing — Cam driver plates

Outillage de presse — Plaques d'entraînement de came



Reference number
ISO 23481:2013(E)

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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).

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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.

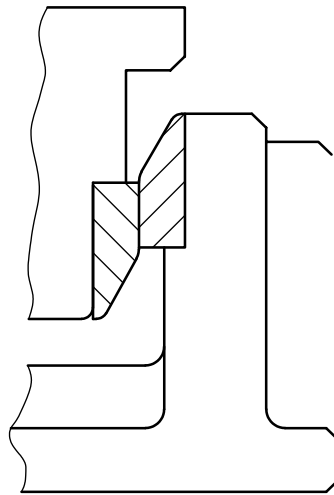


Figure 1 — Application example of cam driver plates

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

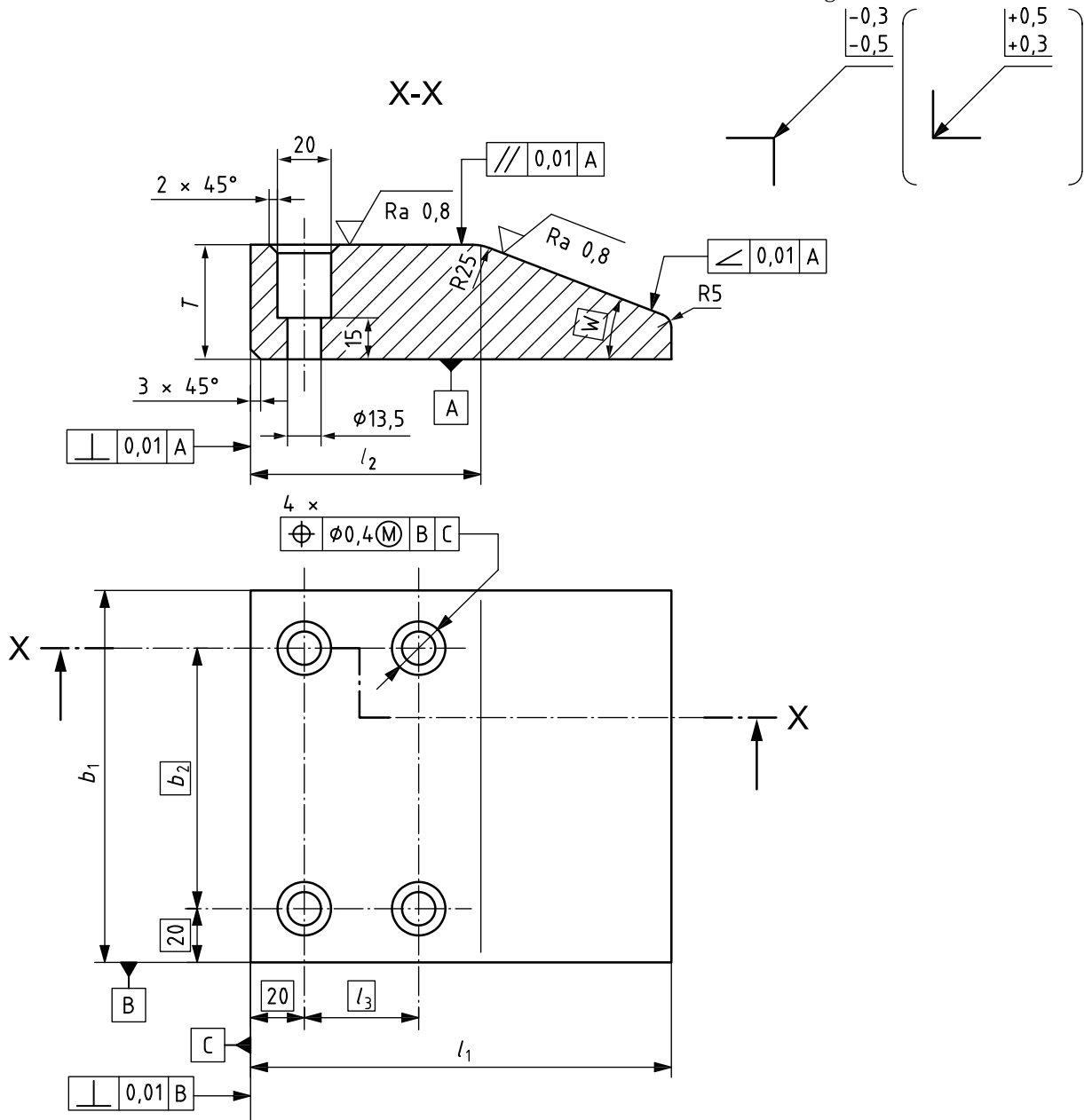


Figure 2 — Cam driver plates

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:

- Cam driver plate;
- a reference to this International Standard, 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

