
Tools for pressing — Sliding plates

Outillage de presse — Plaques de retenue

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 23480:2008](https://standards.iteh.ai/catalog/standards/sist/9ef87606-eb17-4108-8a97-a158232b1511/iso-23480-2008)

<https://standards.iteh.ai/catalog/standards/sist/9ef87606-eb17-4108-8a97-a158232b1511/iso-23480-2008>



PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. The ISO Central Secretariat accepts no liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies. In the unlikely event that a problem relating to it is found, please inform the Central Secretariat at the address given below.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 23480:2008

<https://standards.iteh.ai/catalog/standards/sist/9ef87606-eb17-4108-8a97-a158232b1511/iso-23480-2008>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2008

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing 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
Web www.iso.org

Published in Switzerland

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 23480 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 8, *Tools for pressing and moulding*.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[ISO 23480:2008](https://standards.iteh.ai/catalog/standards/sist/9ef87606-eb17-4108-8a97-a158232b1511/iso-23480-2008)

<https://standards.iteh.ai/catalog/standards/sist/9ef87606-eb17-4108-8a97-a158232b1511/iso-23480-2008>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO 23480:2008

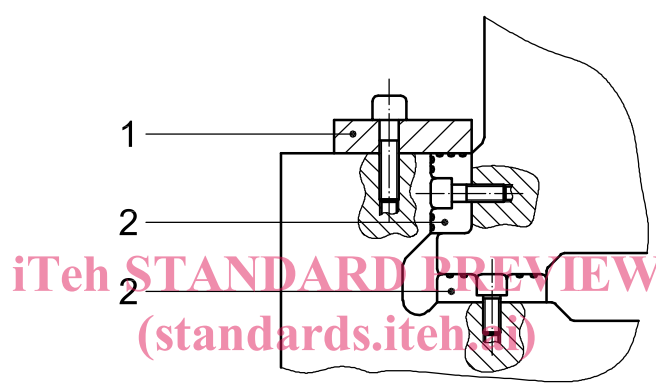
<https://standards.iteh.ai/catalog/standards/sist/9ef87606-eb17-4108-8a97-a158232b1511/iso-23480-2008>

Tools for pressing — Sliding plates

1 Scope

This International Standard specifies the main dimensions and tolerances of sliding plates, to be used in press tools (an application example is shown in Figure 1).

It also specifies the designation of sliding plates.



Key

- 1 sliding plates, type A
- 2 sliding plates, type B

ISO 23480:2008

<https://standards.iteh.ai/catalog/standards/sist/9ef87606-cb17-4108-8a97-a158232b1511/iso-23480-2008>

Figure 1 — Application example of sliding plates

2 Normative references

The following referenced documents are indispensable for the application 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 drawings — Edges of undefined shape — Vocabulary and indications*

3 Dimensions

3.1 Type A, one-face sliding plates

The dimensions of one-face sliding plates, type A, 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 2768m
 dimensions in millimetres
 surface roughness values in micrometers

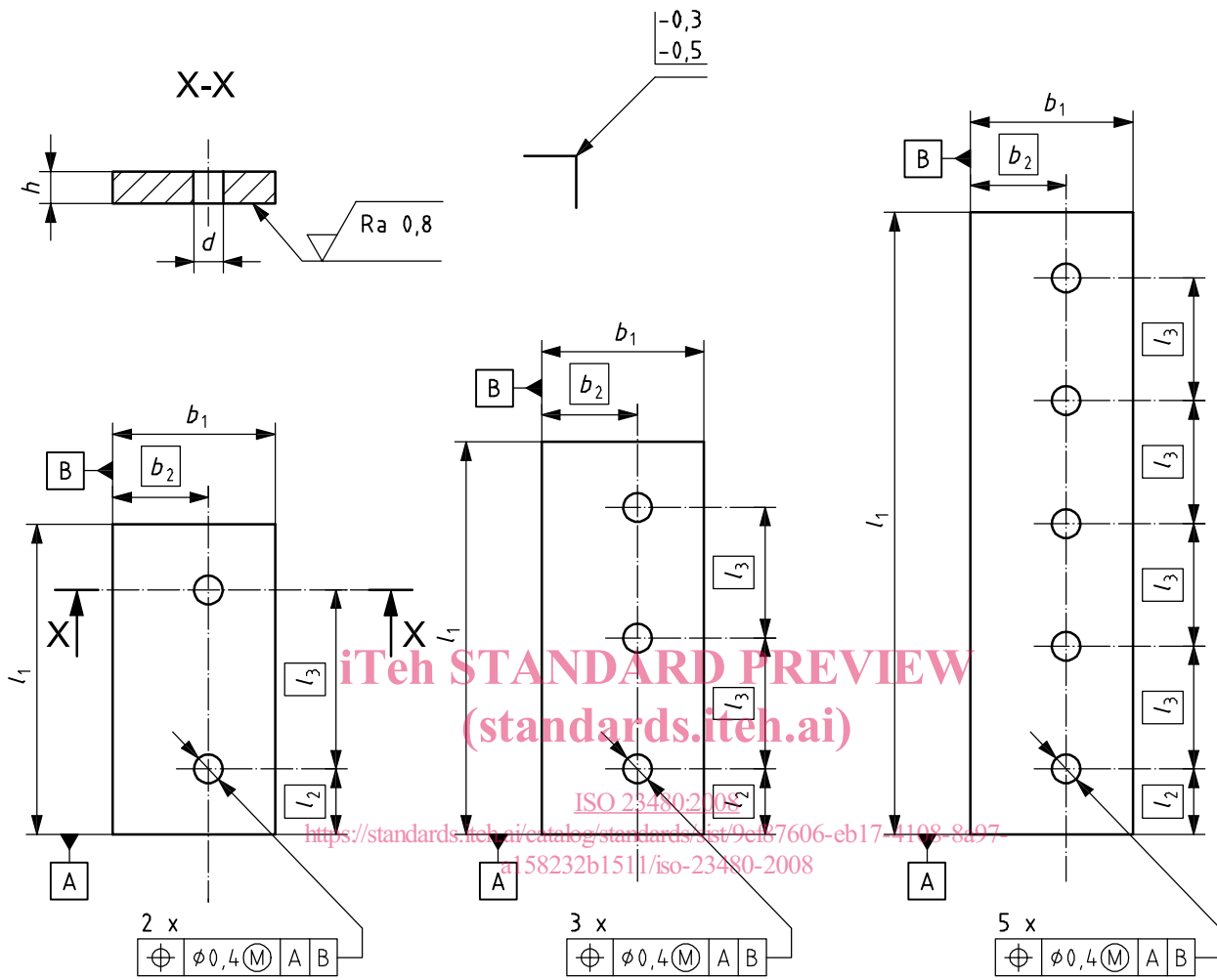


Figure 2 — Type A, one-face sliding plates

Table 1 — Dimensions of one-face sliding plates, type A

Dimensions in millimetres

b_1 0 -0,2	h $\pm 0,2$	l_1 $\pm 0,2$	b_2	l_2	l_3	l_4	$\varnothing d$	Hexagon socket	
								ISO 4762	pieces
35	10	160	20	45	70	—	11	M10 × 30	2
		200			110	—			3
		250			80	—			
45	15	160	30	45	70	—	13,5	M12 × 40	2
		200			110	—			3
		250			80	—			
55	15	160	35	45	70	—	17,5	M16 × 50	2
		200			110	—			3
		250			80	—			
75	25	160	40	45	70	—	17,5	M16 × 60	2
		200			110	—			3
		250			80	—			
100	25	160	60	45	70	—	17,5	M16 × 60	2
		200			110	—			3
		250			80	—			
		400			80	75			
100	30	160	60	45	70	—	22	M20 × 70	2
		200			110	—			3
		250			80	—			
		400			80	75			
125	25	160	75	45	70	—	17,5	M16 × 60	2
		200			110	—			3
		250			80	—			
		400			80	75			
125	30	160	75	45	70	—	22	M20 × 70	2
		200			110	—			3
		250			80	—			
		400			80	75			

3.2 Type B, two-face sliding plates

The dimensions of two-face sliding plates, type B, shall conform to the indications in Figure 3 and Table 2.

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

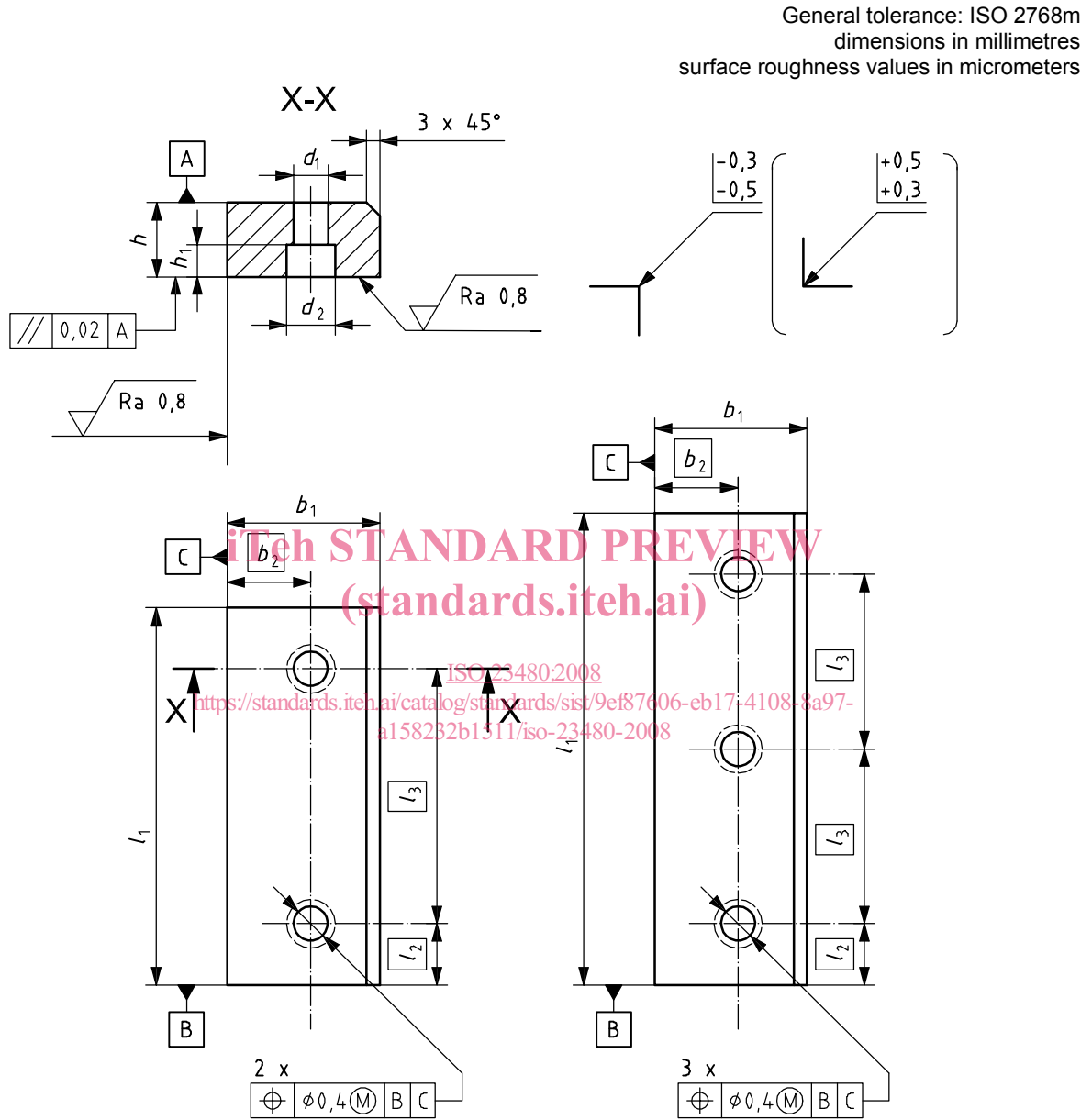


Figure 3 — Type B, two-face sliding plates

Table 2 — Dimensions of two-face sliding plates, type B

Dimensions in millimetres

b_1 0 -0,2	h 0 -0,2	l_1	l_2	l_3	b_2	d_1 H13	d_2 H13	h_1 +0,5 0	Hexagon socket	
									ISO 4762	pieces
25	12	110	25	60	12,5	9	15	8,5	M8 × 20	2
		120		70						
25	15	110	25	60	12,5	11	18	10,5	M10 × 25	2
		120		70						
60	30	125	25	75	30	13,5	20	13	M12 × 35	2
		160		110						
		200		75	30	13,5	20	13	M12 × 35	3
60	40	125	25	75	30	13,5	20	13	M12 × 45	2
		160		110						2
		200		75	3					

4 Material

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

EXAMPLE Steel for type A sliding plate and bronze with embedded solid lubricant for type B sliding plate.

5 Designation

<https://standards.iteh.ai/catalog/standards/sist/9ef87606-cb17-4108-8a97-a158232b1511/iso-23480-2008>

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

- “Sliding plate”;
- reference to this International Standard, i.e. ISO 23480;
- the type A, or B;
- the width, b_1 , in millimetres;
- the height, h , in millimetres;
- the length, l_1 , in millimetres.

EXAMPLE 1 A sliding plate of type A with width $b_1 = 100$ mm, height $h = 25$ mm and the length of $l_1 = 250$ mm is designated as follows:

Sliding plate ISO 23480 — A 100 × 25 × 250

EXAMPLE 2 A sliding plate of type B with width $b_1 = 60$ mm, height $h = 30$ mm and the length of $l_1 = 125$ mm is designated as follows:

Sliding plate ISO 23480 — B 60 × 30 × 125