

---

---

**Tools for moulding — Mould bases —  
Round locating elements and spacers**

*Outillage de moulage — Éléments de moule — Plots de centrage  
cylindriques et rondelles de réglage*

iTeh Standards  
(<https://standards.iteh.ai>)  
Document Preview

[ISO 8406:2008](https://standards.iteh.ai/catalog/standards/iso/1a14b32a-9a68-48dd-b96f-c3f8dfbc4abb/iso-8406-2008)

<https://standards.iteh.ai/catalog/standards/iso/1a14b32a-9a68-48dd-b96f-c3f8dfbc4abb/iso-8406-2008>



**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 Standards**  
**(<https://standards.iteh.ai>)**  
**Document Preview**

ISO 8406:2008

<https://standards.iteh.ai/catalog/standards/iso/1a14b32a-9a68-48dd-b96f-c3f8dfbc4abb/iso-8406-2008>



**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](mailto:copyright@iso.org)  
Web [www.iso.org](http://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 8406 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 8406:2001), of which it constitutes a minor revision. In particular, the indication of surface textures has been updated in accordance with ISO 1302:2002<sup>1)</sup>.

## Document Preview

[ISO 8406:2008](https://standards.iteh.ai/catalog/standards/iso/1a14b32a-9a68-48dd-b96f-c3f8dfbc4abb/iso-8406-2008)

<https://standards.iteh.ai/catalog/standards/iso/1a14b32a-9a68-48dd-b96f-c3f8dfbc4abb/iso-8406-2008>

---

1) ISO 1302:2002, *Geometrical Product Specifications (GPS) — Indication of surface texture in technical product documentation*.

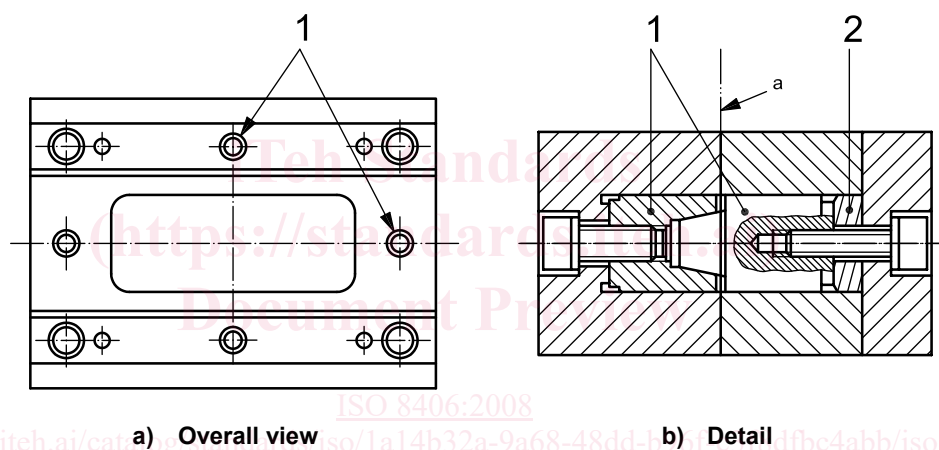


# Tools for moulding — Mould bases — Round locating elements and spacers

## 1 Scope

This International Standard specifies the basic dimensions, in millimetres, of round locating elements and spacers, intended for use in moulds for the accurate location of two mould parts with respect to each other. See an example of mounting in Figure 1.

It also specifies the material, hardness and designation of locating elements and their spacers that are in accordance with its specifications.



### Key

- 1 round locating elements
- 2 spacer
- <sup>a</sup> Parting level.

Figure 1 — Example of mounting of round locating elements

## 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.

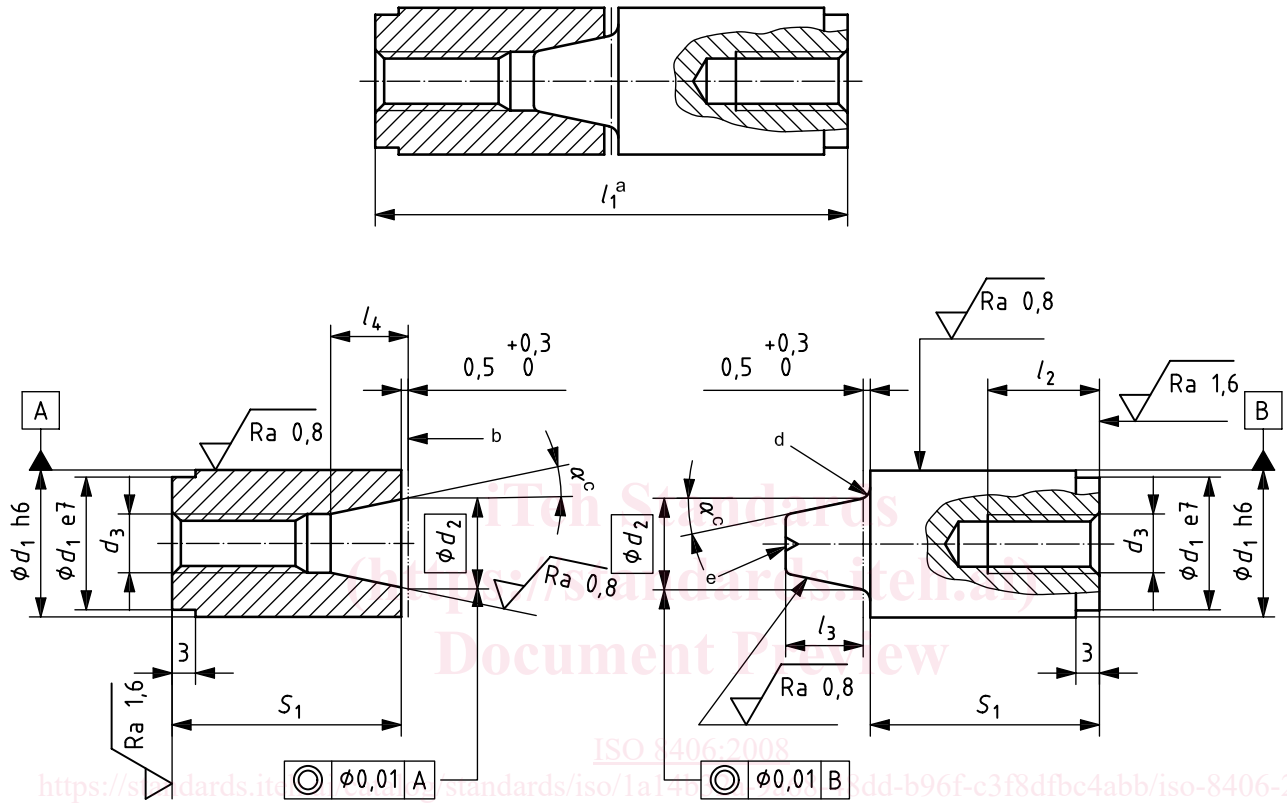
ISO 4957, *Tool steels*

### 3 Dimensions

#### 3.1 Round locating elements

The dimensions of round locating elements shall conform to the indications in Figure 2 and Table 1.

Dimensions in millimetres  
Surface roughness values in micrometres



- a The length is adjusted after mounting and the locating elements are supplied in pairs.
- b Gauge plane.
- c The angle  $\alpha$  is left to the manufacturer's discretion.
- d The shape of the root of the taper on the male part is left to the manufacturer's discretion.
- e Centre hole for machining is permitted.

Figure 2 — Round locating elements