
Tool holders with cylindrical shank —

Part 2:

Type A, shanks for tool holders of special designs

Porte-outil à queue cylindrique —

Partie 2: Porte-outil de type A de conceptions spéciales



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.

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.

International Standard ISO 10889-2 was prepared by Technical Committee ISO/TC 29, *Small tools*.

ISO 10889 consists of the following parts, under the general title *Tool holders with cylindrical shank*:

- *Part 1: Cylindrical shank, location bore — Technical delivery conditions*
- *Part 2: Type A, shanks for tool holders of special designs*
- *Part 3: Type B with rectangular radial seat*
- *Part 4: Type C with rectangular axial seat*
- *Part 5: Type D with more than one rectangular seat*
- *Part 6: Type E with cylindrical seat*
- *Part 7: Type F with taper seat*
- *Part 8: Type Z, accessories*

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Part 2:

Type A, shanks for tool holders of special designs

1 Scope

ISO 10889 applies to tool holders with cylindrical shank for machine tools with non-rotating tools, preferably for turning machines.

This part of ISO 10889 specifies dimensions, designations and complementary technical delivery conditions for tool holders of type A with cylindrical shank in accordance with ISO 10889-1 for tool holders of special designs.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 10889. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 10889 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 2768-1:1989, *General tolerances — Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*.

ISO 10889-1:1997, *Tool holders with cylindrical shank — Part 1: Cylindrical shank, location bore — Technical delivery conditions*.

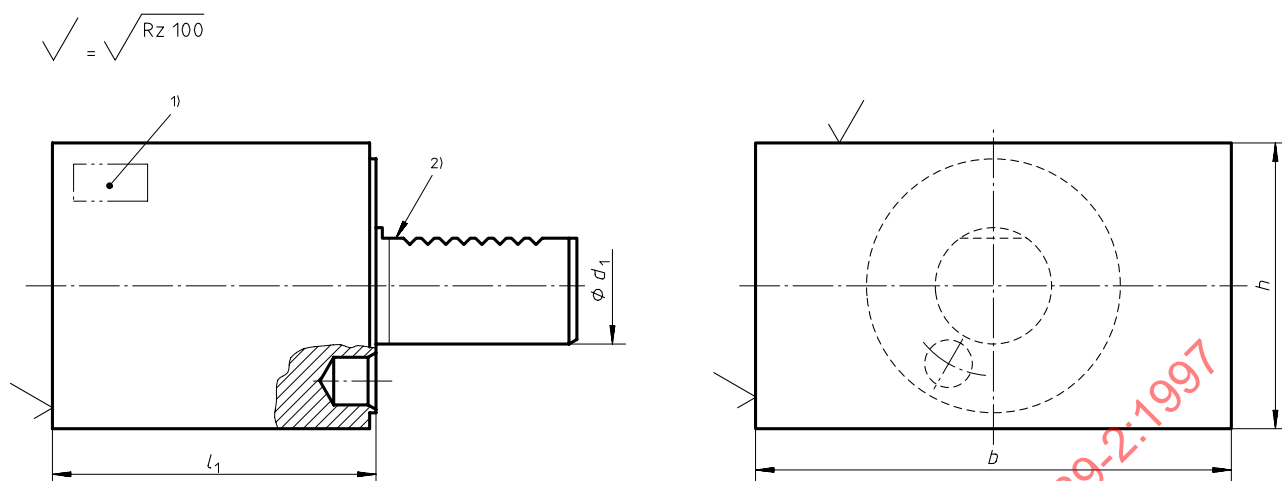
3 Dimensions

See figures 1 and 2 and table 1.

Unspecified details shall be chosen appropriately.

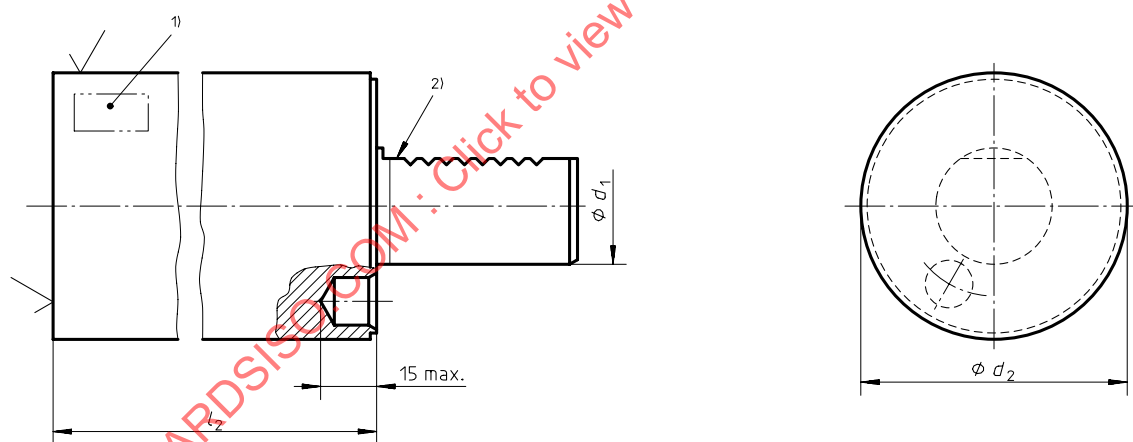
General tolerances: ISO 2768-1 - mB

Surface roughness in micrometres



- 1) Field of marking
- 2) Cylindrical shank in accordance with ISO 10889-1

Figure 1 — Type A1 tool holder, rectangular

Dimensions in millimetres,
surface roughness in micrometres

- 1) Field of marking
- 2) Cylindrical shank in accordance with ISO 10889-1

Figure 2 — Type A2 tool holder, round