

INTERNATIONAL STANDARD

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11415

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Tools for pressing — Die sets

Outillage de presse — Blocs à colonnes



Foreword

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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 11415 was prepared by Technical Committee ISO/TC 29, *Small tools*, Subcommittee SC 8, *Tools for pressing and moulding*.

Annex A of this International Standard is for information only.

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Tools for pressing — Die sets

1 Scope

This International Standard lays down the main dimensions and designation of die sets.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this International Standard 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 6753-1:1994, *Tools for pressing and moulding — Machined plates — Part 1: Machined plates for press tools, jigs and fixtures.*

ISO 9182-2:1992, *Tools for pressing — Guide pillars — Part 2: Type A, straight pillars.*

ISO 9182-3:1992, *Tools for pressing — Guide pillars — Part 3: Type B, end locking pillars.*

ISO 9182-4:1992, *Tools for pressing — Guide pillars — Part 4: Type C, pillars with taper lead and bush.*

ISO 9182-5:1992, *Tools for pressing — Guide pillars — Part 5: Type D, end-locking pillars with flange.*

ISO 9448-2:1991, *Tools for pressing — Guide bushes — Part 2: Form A, gliding bushes, plain, type 1.*

ISO 9448-3:1991, *Tools for pressing — Guide bushes — Part 3: Form B, ball cage bushes, plain, type 1.*

ISO 9448-4:1991, *Tools for pressing — Guide bushes — Part 4: Form C, gliding bushes, headed, type 1.*

ISO 9448-5:1991, *Tools for pressing — Guide bushes — Part 5: Form D, ball cage bushes, headed, type 1.*

ISO 9448-6:1991, *Tools for pressing — Guide bushes — Part 6: Form E, gliding bushes, flanged, type 1.*

ISO 9448-7:1991, *Tools for pressing — Guide bushes — Part 7: Form F, ball cage bushes, flanged, type 1.*

ISO 9448-11:1992, *Tools for pressing — Guide bushes — Part 11: Form F, ball cage bushes, flanged, type 2.*

3 Composition

A die set consists of:

- machined plates in accordance with ISO 6753-1;
- guide pillars in accordance with ISO 9182, parts 2 to 5;
- guide bushes in accordance with ISO 9448, parts 2 to 7 and part 11.

See figure 1.

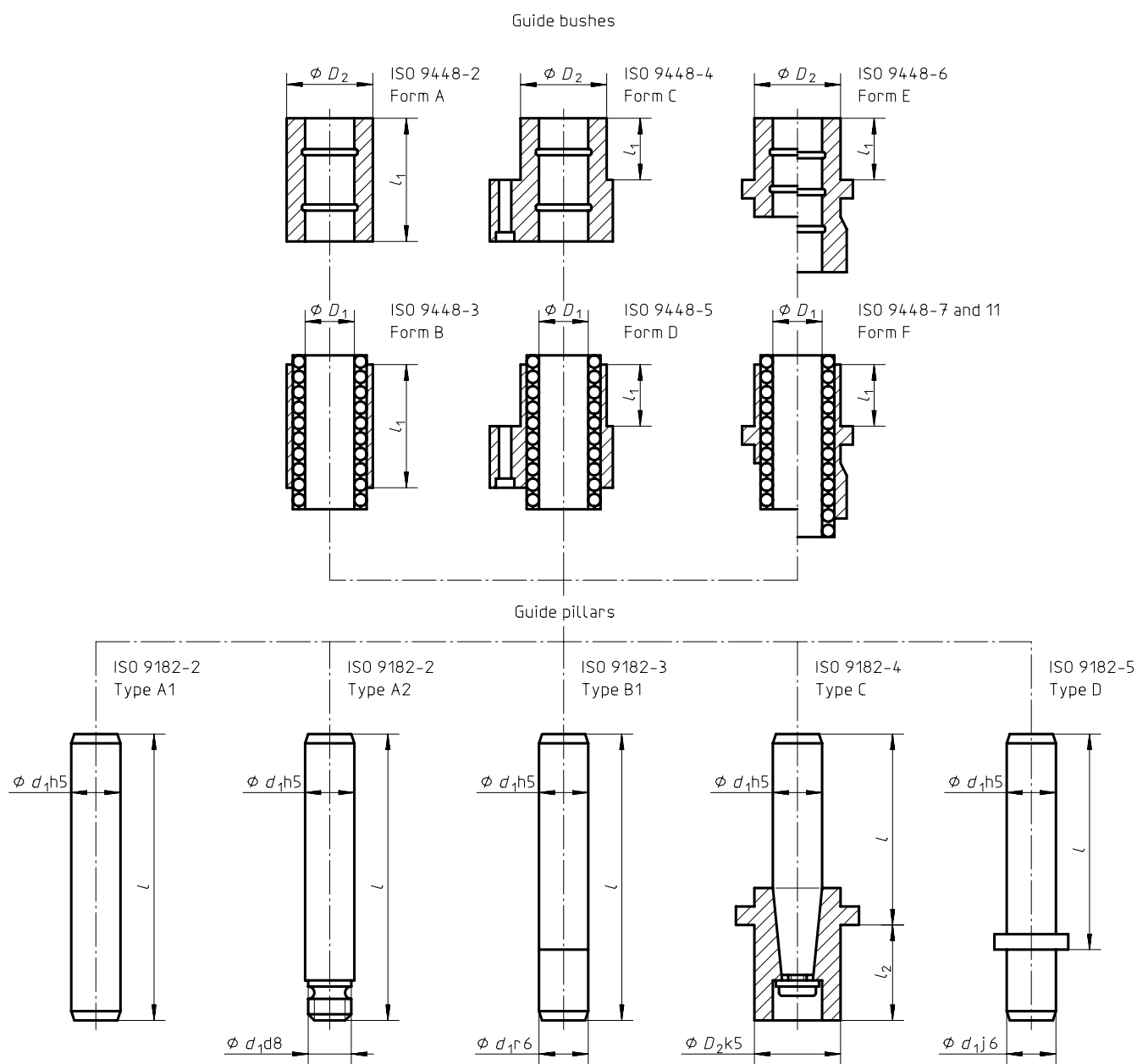


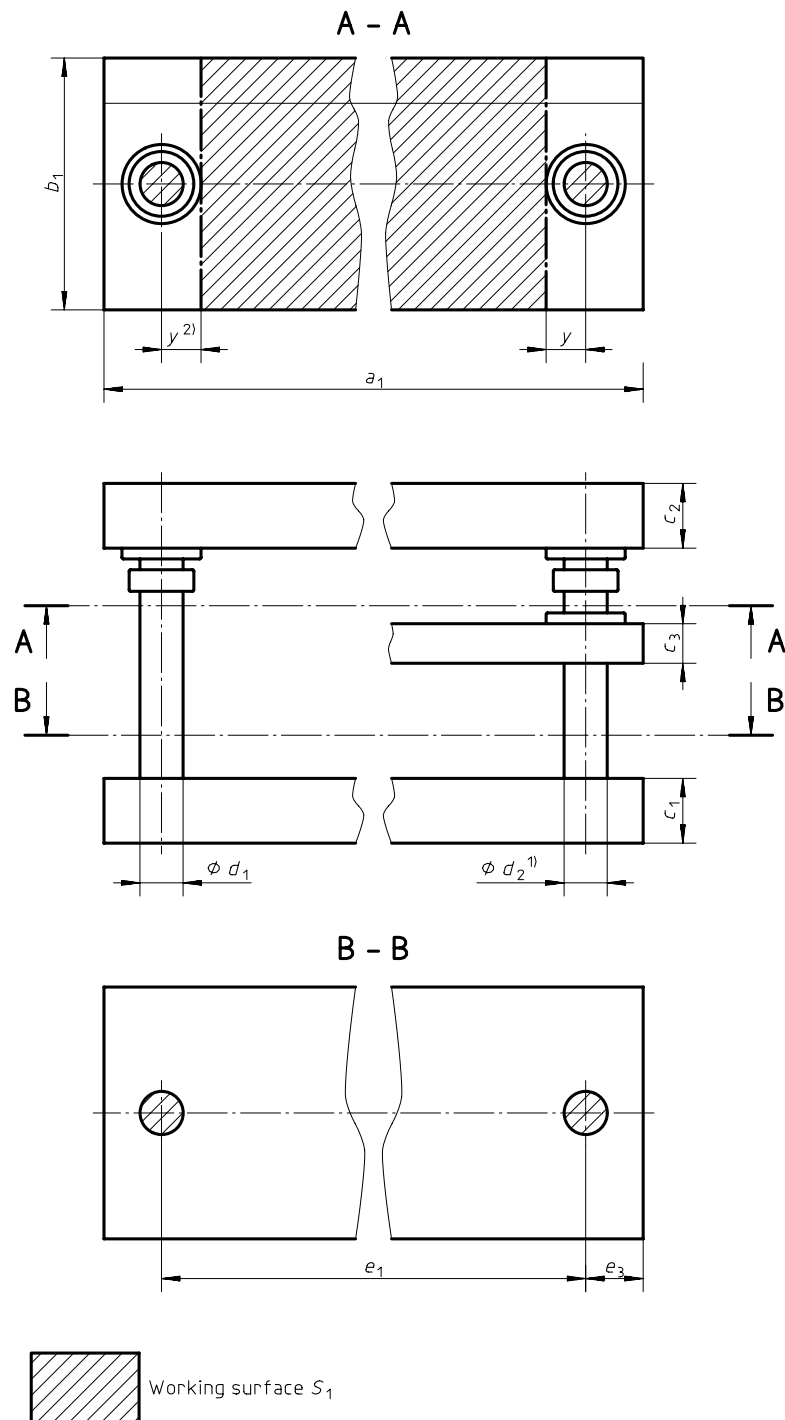
Figure 1

4 Dimensions

4.1 Die set with 2 centre pillars

Form A₁: without punch guide plate (see figure 2 and tables 1 and 2).

Form A₂: with punch guide plate (see figure 2 and tables 1 and 2).



1) See 6.2.

2) See annex A.

Figure 2