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**Textile machinery and accessories —  
Reeds —**

**Part 4:  
Dimensions and designation of plastic-  
bound metal reeds**

*Matériel pour l'industrie textile — Peignes —*

*Partie 4: Dimensions et désignation des peignes métalliques à ligature  
plastique*

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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 366-4 was prepared by Technical Committee ISO/TC 72, *Textile machinery and machinery for dry-cleaning and industrial laundering*, Subcommittee SC 3, *Machinery for fabric manufacturing including preparatory machinery and accessories*.

This second edition cancels and replaces the first edition (ISO 366-4:1992), which has been technically revised.

ISO 366 consists of the following parts, under the general title *Textile machinery and accessories — Reeds*:

- *Part 1: Dimensions of pitch bound reeds*
- *Part 2: Dimensions and designation of metal reeds with plate baulk*
- *Part 3: Dimensions and designation of metal reeds with double-spring baulk*
- *Part 4: Dimensions and designation of plastic-bound metal reeds*
- *Part 5: Dimensions and designation of profil capsulas*



# Textile machinery and accessories — Reeds —

## Part 4: Dimensions and designation of plastic-bound metal reeds

### 1 Scope

This part of ISO 366 specifies the dimensions and designation of plastic-bound metal reeds for weaving machines.

For the strip steel used in the manufacture of dents of reeds, see ISO 9473-1 and 9473-2.

### 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 366-5, *Textile machinery and accessories — Reeds — Part 5: Dimensions and designation of profil capsules*

ISO 9473-1, *Textile machinery and accessories — Strip steel for dents of reeds — Part 1: Cold rolled strip steel*

ISO 9473-2, *Textile machinery and accessories — Strip steel for dents of reeds — Part 2: Hardened strip steel*

### 3 Dimensions

The indicated dimensions of plastic-bound metal reeds shown in Figure 1 and given in Table 1, and the tolerance of perpendicularity of dents according to Figure 2, shall be met.

The heights of the bottom and top baulks shall be subject to ISO 366-5 and to an agreement between the interested parties.

### 4 Designation

The designation of plastic-bound metal reeds shall include the following information in the order given:

- a) "Plastic-bound metal reed";
- b) reference to this part of ISO 366, i.e. ISO 366-4;
- c) inner height of reed,  $e$ , in millimetres;
- d) thickness of reed baulk,  $d$ , in millimetres;

- e) width of the dents of the reed,  $b$ , in millimetres;
- f) type of steel used for dents of the reed, i.e. plain or stainless or hardened.

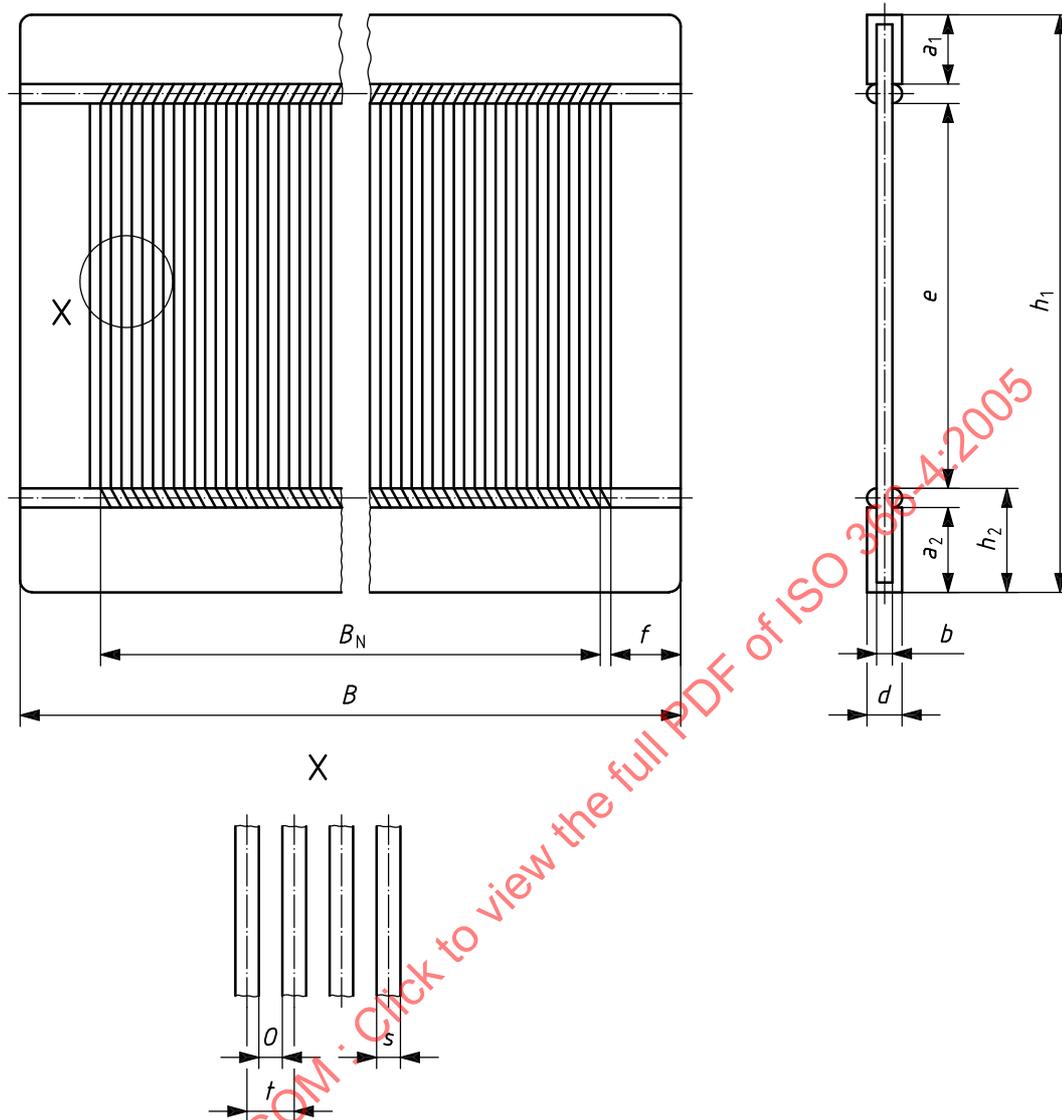
EXAMPLE 1 A plastic-bound metal reed of inner height  $e = 80$  mm, of thickness of reed baulk  $d = 8$  mm and having dents of width  $b = 4$  mm, made from stainless steel shall be designated as follows:

**Plastic-bound metal reed ISO 366-4 – 80 × 8 × 4 – stainless steel**

EXAMPLE 2 A plastic-bound metal reed of inner height  $e = 80$  mm, of thickness of reed baulk  $d = 18$  mm and having dents of width  $b = 12$  mm, made from hardened steel shall be designated as follows:

**Plastic-bound metal reed ISO 366-4 – 80 × 18 × 12 – hardened steel**

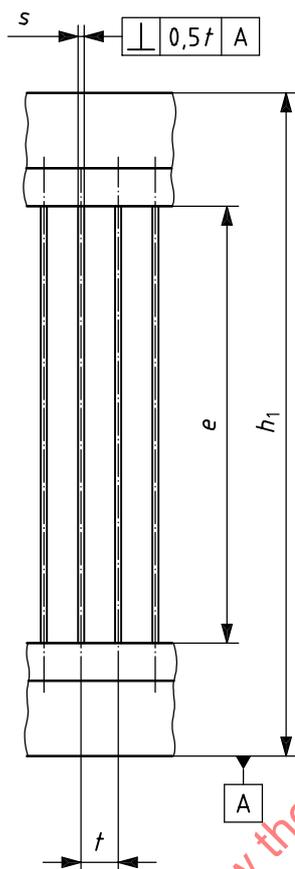
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**Key**

- |       |                          |       |                        |
|-------|--------------------------|-------|------------------------|
| $a_1$ | height of top profile    | $f$   | width of end piece     |
| $a_2$ | height of bottom profile | $h_1$ | total height of reed   |
| $B$   | overall width of reed    | $h_2$ | height of bottom baulk |
| $B_N$ | usable width             | $O$   | opening                |
| $b$   | width of dents           | $s$   | thickness of dents     |
| $d$   | thickness of reed baulk  | $t$   | distance of dents      |
| $e$   | inner height of reed     |       |                        |

**Figure 1 — Plastic-bound metal reed**



**Key**

- $e$  inner height of reed
- $h_1$  total height of reed
- $s$  thickness of dents
- $t$  distance of dents

**Figure 2 — Tolerance of perpendicularity of dents in relation to base of reed**