INTERNATIONAL STANDARD

ISO 366-4

Second edition
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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

Reference number
ISO 366-4:2005(E)

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Foreword

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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 capsulas*

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;

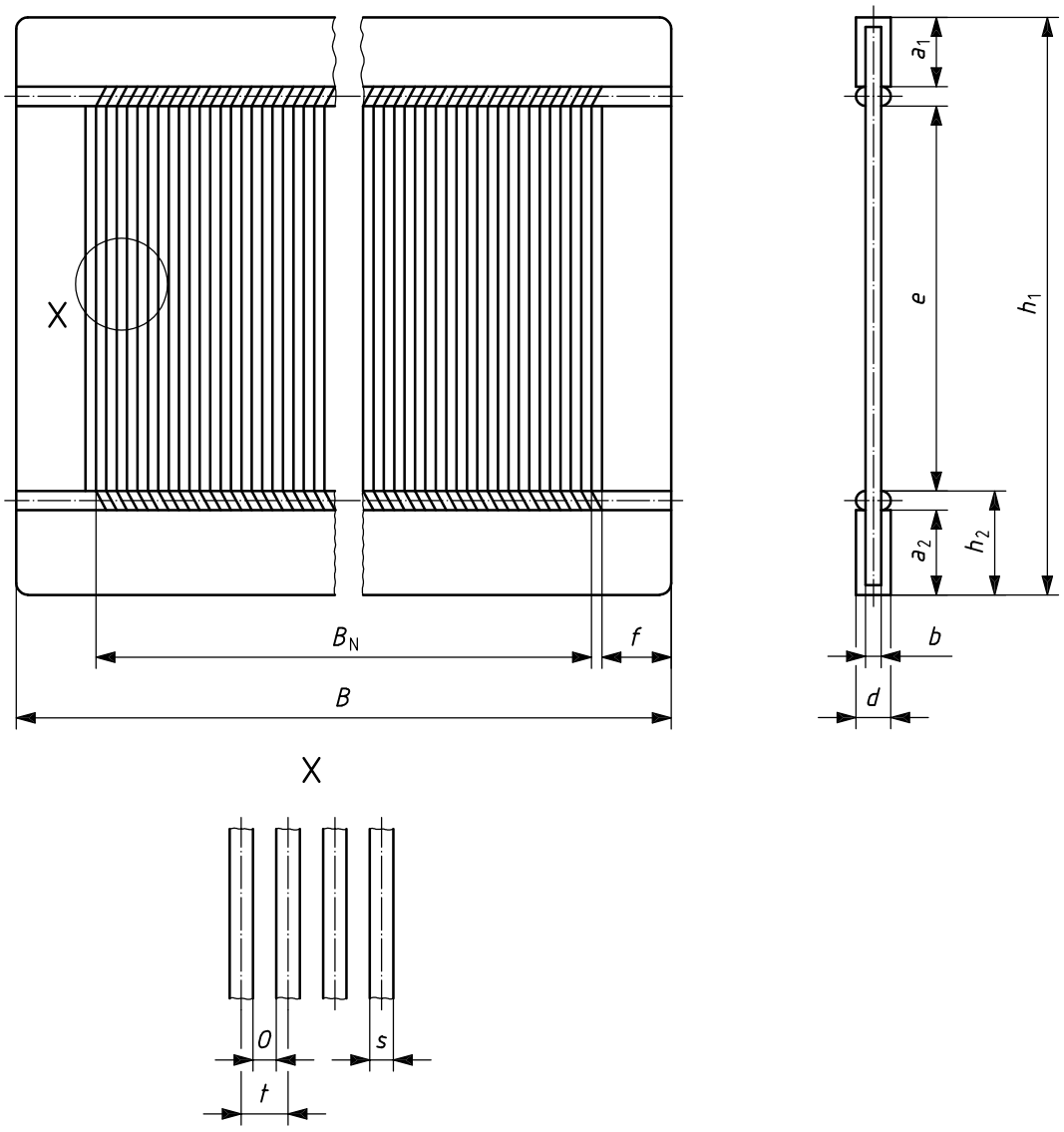
f) type of steel used for dents of the reed, i.e. plain or stainless or hardened.

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:

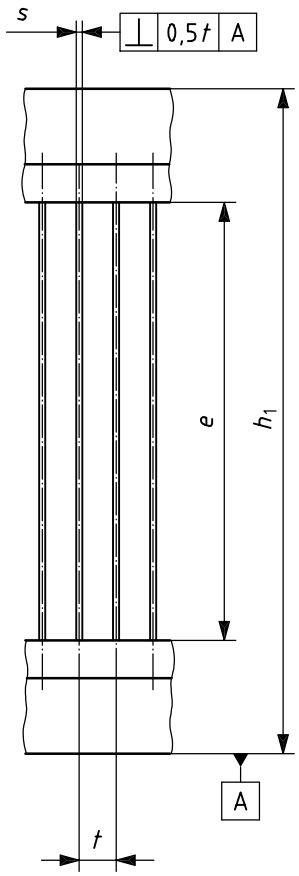
Plastic-bound metal reed ISO 366-4 – 80 × 18 × 12 – hardened steel



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

Table 1 — Plastic-bound metal reed dimensions

Dimensions in millimetres

Inner height of reed *e*	**Width of dents of reed** *b*				
	3	4	6	8	12
	Thickness of reed bulk *d*				
	6	8	10	12	18
50					
60					
70					
80					
90					
100					
110					
120					
130					
140					
150					
160					
170					
180					

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