INTERNATIONAL STANDARD

ISO
9473-2

First edition
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Textile machinery and accessories — Strip steel for dents of reeds —

Part 2:
Hardened strip steel

Matériel pour l'industrie textile — Feuillards d'acier pour dents de peignes —

Partie 2: Feuillards d'acier trempé

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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 9473-2 was prepared by Technical Committee ISO/TC 72, *Textile machinery and accessories*, Subcommittee SC 3, *Machinery for fabric manufacturing including preparatory machinery and accessories*.

This first edition of ISO 9473-2, together with ISO 9473-1, cancels and replaces ISO 9473:1988, of which it constitutes a technical revision.

ISO 9473 consists of the following parts, under the general title *Textile machinery and accessories — Strip steel for dents of reeds*:

— *Part 1: Cold rolled strip steel*

— *Part 2: Hardened strip steel*

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Textile machinery and accessories — Strip steel for dents of reeds —

Part 2:
Hardened strip steel

1 Scope

This part of ISO 9473 specifies the dimensions and the designation of hardened strip steel used to manufacture dents of reeds, according to ISO 366-1, ISO 366-2, ISO 366-3, and ISO 366-4.

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 366-1, *Textile machinery and accessories — Reeds — Part 1: Pitch bound reeds — Dimensions*

ISO 366-2, *Textile machinery and accessories — Reeds — Part 2: Metal reeds with plate baulk — Dimensions and designation*

ISO 366-3, *Textile machinery and accessories — Reeds — Part 3: Metal reeds with double-spring baulk — Dimensions and designation*

ISO 366-4, *Textile machinery and accessories — Reeds — Part 4: Dimensions and designation of plastic-bound metal reeds*

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

3 Dimensions

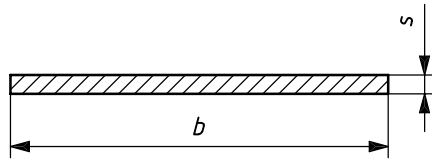The dimensions of hardened strip steel for dents of reeds shown in Figure 1 are given in Table 1.

The dimensions (height, width and dent width) shall be subject to an agreement between the interested parties and in respect of the dimensions given in ISO 366-5.

4 Material

The material should be agreed on between the purchaser and the supplier.

5 Requirements

The edges of the dents shall be rounded.

Key

b width (depth)

s thickness

Figure 1 — Hardened strip steel dimensions

Table 1 — Hardened strip steel dimensions

Dimensions in millimetres

s		b nom.				
nom.	tol.	6	(7)	8	(10)	12
				tol.		
0,016	± 0,002					
0,018						
0,020						
0,022						
0,024						
0,026						
0,028						
0,03						
0,033						
0,038						
0,041						
0,044						
0,047						
0,05			± 0,01	± 0,01		
0,053						
0,056						
0,062						
0,065	± 0,003					
0,068						
0,071						
0,075						
0,080						± 0,01
0,085						
0,090						
0,095						
0,10						
0,11						

Table 1 (*continued*)

Dimensions in millimetres

s nom.	*s* tol.	*b* nom. 6	*b* nom. (7)	*b* nom. 8	*b* nom. (10)	*b* nom. 12
0,12	± 0,003					
0,13	± 0,004					
0,14						
0,15						
0,16			± 0,02	± 0,02		± 0,02
0,17						
0,18		± 0,05				
0,19					± 0,075	
0,2						
0,22						
0,25	± 0,005					
0,28						
0,30						
0,32	± 0,006		± 0,03	± 0,03		
0,35						
0,38						
0,4	± 0,009	± 0,05			± 0,075	± 0,03
0,45						
0,5	± 0,010					
0,55						
0,6						
0,65	± 0,012		± 0,05	± 0,05		
0,7						
0,8	± 0,013					
0,9						
1	± 0,017					
1,1						
1,2						
1,3	± 0,020					
1,4						
1,5			± 0,07	± 0,07		± 0,07
1,6	± 0,033					
1,7						
1,8						
1,9						
2,0	± 0,035					

Values shown in parentheses should be avoided whenever possible.

The standardized cross-sections are those in the toned areas.

6   Designation

The designation of a hardened strip steel for dents of reeds shall include the following information in the order given:

a)   "Hardened strip steel";

b)   the type of steel used, i.e. plain or stainless;

c)   reference to this part of ISO 9473, i.e. ISO 9473-2;

d)   the width (depth), b;

e)   the thickness, s.

EXAMPLE   A hardened strip steel for dents of reeds of width (depth) b = 12 mm and thickness s = 0,18 mm is designated as follows:

Strip steel hardened ISO 9473-2 - 12 × 0,18

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