International Standard

ISO 365

Textile machinery and accessories — Twin wire healds with inset mail for Jacquard weaving

Matériel pour l'industrie textile — Lisses à deux fils soudés avec maillon inséré pour tissage Jacquard

Second edition — 1982-07-01

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Descriptors : textile machinery, loom, weaving machine, heald, specification, dimension, designation.

Price based on 3 pages

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 365 was developed by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, and was circulated to the member bodies in July 1981.

It has been approved by the member bodies of the following countries :

Belgium	India	Turkey
Brazil	Japan	United Kingdom
Czechoslovakia	Korea, Rep. of	USSR
Egypt, Arab Rep. of	Mexico	Yugoslavia
France	Romania	
Germany, F. R.	South Africa, Rep. of	

The member body of the following country expressed disapproval of the document on technical grounds :

Switzerland

This second edition cancels and replaces the first edition (i.e. ISO 365-1976).

Textile machinery and accessories — Twin wire healds with inset mail for Jacquard weaving
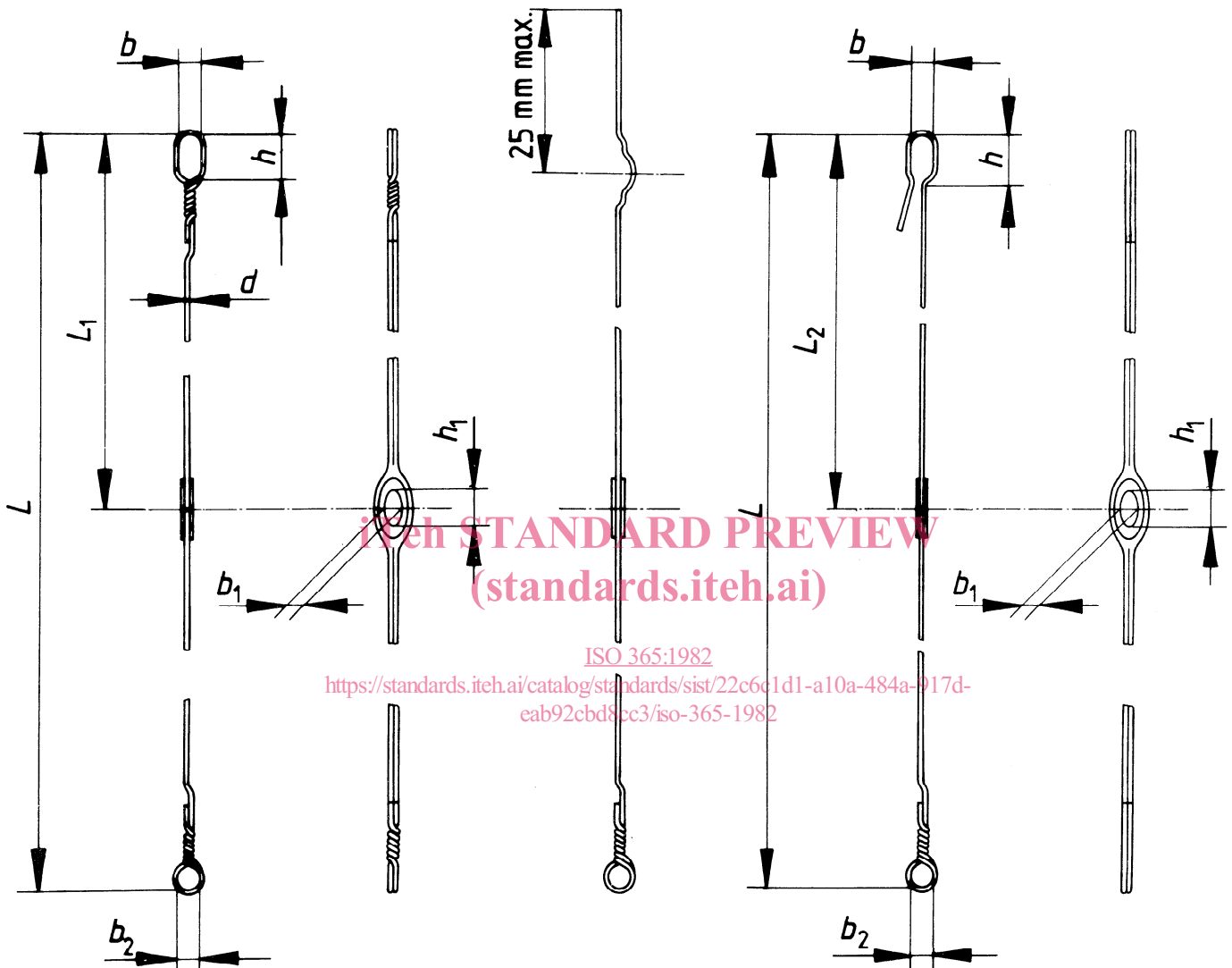
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1 Scope and field of application

ISO 365:1982

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eab92cbd8cc3/iso-365-1982

This International Standard lays down the main dimensions of twin wire healds with inset mail for Jacquard weaving.

2 Dimensions

Figure 1 — Heald type A, with upper and lower end loops, O-shaped

Figure 2a) — Heald type B, with upper end loop straight to be bent in U-shape; lower end loop, O-shaped

Figure 2b) — Heald type B, with upper end loop bent in U-shape; lower end loop, O-shaped

b = internal width of upper end loop

b_1 = internal width of inset mail

b_2 = diameter of lower end loop

d = thickness of wire

h = length of upper end loop

h_1 = length of inset mail

L = distance inside end loops

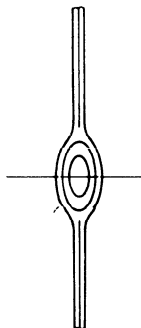L_1, L_2 = distance from upper end loop to the centre of inset mail.
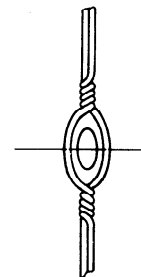
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Figure 3 a) — Inset mail type 1

Figure 3b) — Inset mail type 2 (twisted in)

Table — Dimensions

Values in millimetres

| Wire | | Inset mail | | | End loop | | Distance inside end loops, L, and co-ordinated dimensions, L_1, L_2 | | | | | |
d	No*	$h_1 \times b_1$	No*	Type	$h \times b$	b_2	L 350	L_1 150	L_2 150	L 400	L_1 190	L_2 200
0,3	32	2,6 × 0,9	1 010 R	1	3,5 × 1,7	2,2	x					
0,35	30	3,2 × 1,3	1 015 R	1	3,5 × 1,7	2,2	x					
0,4	28	4 × 1,5	1 020 R	1	4 × 2	2,5	x				x	
		5,2 × 2,3	355 R				x				x	
0,5	26	5,6 × 2,7	380 R	2	5 × 2,5	2,5					x	
		6,6 × 3,9	1 080 R								x	

* The gauge and mail numbers are given for information only.

3 Designation

Example of the designation of a twin wire heald with O-shaped upper and lower end loops type A, with a wire thickness of 0,4 mm, a distance inside the end loops of 350 mm and the size of the thread eye of 4,0 mm × 1,5 mm :

Twin wire heald ISO 365 — A 0,4 × 350 — 4,0 × 1,5

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