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# International Standard



# 569

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Textile machinery and accessories — Heald frames — Co-ordinated dimensions in relation to the pitch of the harness

*Matériel pour l'industrie textile — Cadres de lisses — Coordination des dimensions en fonction de la division du harnais*

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(standards.iteh.ai)

ISO 569:1982

<https://standards.iteh.ai/catalog/standards/sist/3905e9c9-cefd-474e-bf7a-7e0831913589/iso-569-1982>

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Descriptors : textile machinery, healds, dimensions.

Price based on 2 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 569 was developed by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, and was circulated to the member bodies in September 1981.

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

|                     |                       |                |
|---------------------|-----------------------|----------------|
| Australia           | Germany, F.R.         | Spain          |
| Belgium             | India                 | Switzerland    |
| Brazil              | Ireland               | Turkey         |
| Bulgaria            | Japan                 | United Kingdom |
| China               | Korea, Rep. of        | USSR           |
| Czechoslovakia      | Poland                | Yugoslavia     |
| Egypt, Arab Rep. of | Romania               |                |
| France              | South Africa, Rep. of |                |

No member body expressed disapproval of the document.

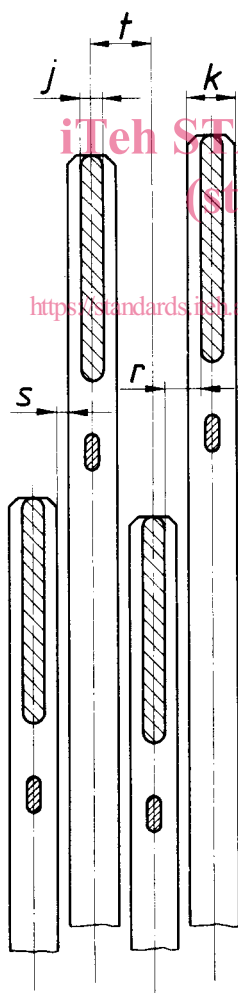
This International Standard cancels and replaces ISO Recommendation R 569-1967, of which it constitutes a technical revision.

# Textile machinery and accessories — Heald frames — Co-ordinated dimensions in relation to the pitch of the harness

## 1 Scope and field of application

This International Standard co-ordinates the dimensions of heald frames and the pitch of the harness.

## 2 Dimensions



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ISO 569:1982  $t$  = Pitch of the harness<sup>1)</sup>

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 $k$  = Thickness of lateral supports

$j$  = Thickness of frame staves

$j_1$  = Thickness of wooden frame staves

$j_2$  = Thickness of metal frame staves

$r$  = Clearance between frame staves

$r_1$  = Clearance between wooden frame staves

$r_2$  = Clearance between metal frame staves

$s$  = Clearance between lateral supports

1) The pitch of the harness is the centre-to-centre dimension between the heald frames on a loom or weaving machine and corresponds, as a rule, to the pitch of the shedding motion.

Dimensions in millimetres

|          |                  |         |         |         |         |         |
|----------|------------------|---------|---------|---------|---------|---------|
| $t$      | 10 <sup>1)</sup> | 12      | 14      | 18      | 22      | 24      |
| $s$      | 0,2 min.         |         |         |         |         |         |
| $r_1$    | 1                | 1 min.  | 1 min.  | 2 min.  | 4 min.  | 4 min.  |
| $r_2$    | 2                | 3       | 3 min.  | 5 min.  | 4 min.  | 4 min.  |
| $k^{2)}$ | 9,8              | 11,8    | 13,8    | 17,8    | 21,8    | 23,8    |
| $j_1$    | 9                | 11 max. | 13 max. | 16 max. | 18 max. | 20 max. |
| $j_2$    | 8                | 9 max.  | 11 max. | 13 max. | 18 max. | 20 max. |

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1) Not recommended for heavy loads and wide working widths.

2) The thickness of lateral supports  $k$  should correspond for any one of the pitches of harness  $t$  to one of the standard dimensions given for  $k$ , provided it is smaller than  $t$ . When the frames are guided solely by the lateral supports,  $k$  should be equal to  $t - 0,2$  mm.