
INTERNATIONAL STANDARD



5240

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

**Textile machinery and accessories — Warp creels —
Terminology and main dimensions**

Matériel pour l'industrie textile — Cantres d'ourdissage — Terminologie et dimensions principales

First edition — 1978-07-01

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[ISO 5240:1978](https://standards.iteh.ai/catalog/standards/sist/81be5bad-bee6-4313-9f54-c7f34a90e27e/iso-5240-1978)

<https://standards.iteh.ai/catalog/standards/sist/81be5bad-bee6-4313-9f54-c7f34a90e27e/iso-5240-1978>

UDC 677.053.72

Ref. No. ISO 5240-1978 (E)

Descriptors : textile machinery, warpers, specifications, dimensions.

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 5240 was developed by Technical Committee ISO/TC 72, *Textile machinery and accessories*, and was circulated to the member bodies in January 1977.

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

Belgium	Korea, Rep. of	Spain
Czechoslovakia	Mexico	Switzerland
Germany	Netherlands	U.S.S.R.
India	Philippines	Yugoslavia
Ireland	Romania	
Italy	South Africa, Rep. of	

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

United Kingdom

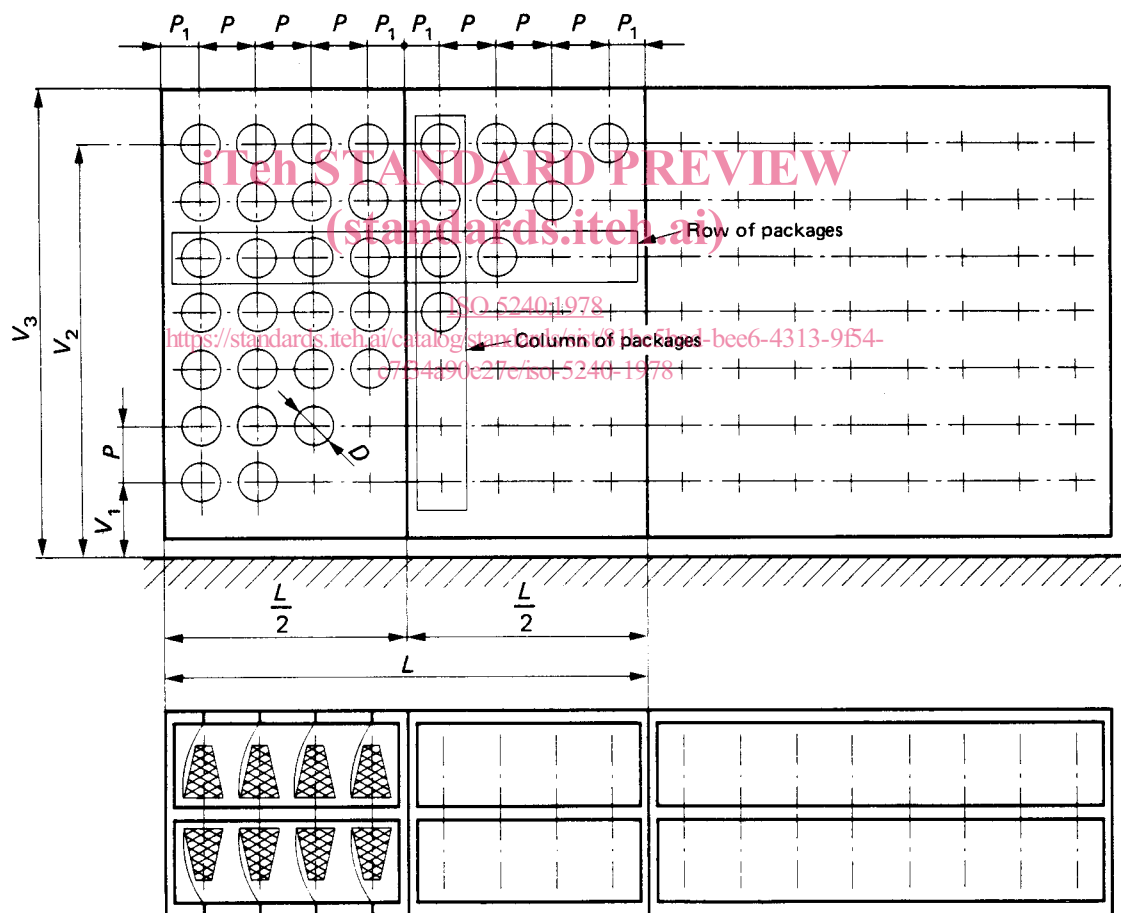
Textile machinery and accessories – Warp creels – Terminology and main dimensions

1 SCOPE AND FIELD OF APPLICATION

This International Standard establishes terminology for warp creels and specifies their main dimensions.

The pitches P are valid for simple warp creels and only for packages unwound overend. For magazine warp creels, the same pitches should be applied in the vertical direction and twice the indicated values in the horizontal.

2 TERMINOLOGY



L = Length of section

$\frac{L}{2}$ = Length of half section or carriage

D = Diameter of full package

P = Pitch

P_1 = Distance between beginning or end of a section (or half section or carriage) and middle of nearest column of packages

V_1 = Distance between floor and middle of first row of packages

V_2 = Distance between floor and middle of highest row of packages

V_3 = Total height of creel.

3 DIMENSIONS

$P_1^1)$ mm	$P_1^1)$ mm	$D_1^1)$ max. mm	L mm	Number of columns of packages per section	Maximum number of rows of packages ²⁾	
					Standard creel	High creel
(160)	100	140	2 000	12	10	12
200	100	180	2 000	10	8	10
			2 400	12		
220	125	200	2 700	12	8	9
240	120	220	2 400	10	7	8
(250)	125	230	2 000	8	7	8
			3 000	12		
270	135	250	2 700	10	6	8
(300)	150	280	2 400	8	6	7
			3 000	10		
330	170	300	2 000	6	5	6
	180		2 700	8		
360	210	330	3 000	8	5	6
400	200	370	2 400	6	4	5
450	225	420	2 700	6	4	—

The values in parentheses should be avoided.

(standards.iteh.ai)

1) In the case of a whole section, pitch P in the middle of the section has to be replaced by $2 P_1$.

2) The values indicated for these different dimensions and the number of rows of packages are nominal values. They may vary due to the nature of the yarn and the mass of the packages.

<https://standards.iteh.ai/catalog/standards/sist/81be5bad-bee6-4313-9f54-c7f34a90e27e/iso-5240-1978>