INTERNATIONAL STANDARD

ISO 5240

Second edition
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Textile machinery and accessories — Warp creels — Main dimensions

Matériel pour l'industrie textile — Cantres d'ourdissage — Dimensions principales

Reference number
ISO 5240:1994(E)

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.

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.

International Standard ISO 5240 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, Subcommittee SC 2, *Winding and preparatory machinery for fabric manufacture*.

This second edition cancels and replaces the first edition (ISO 5240:1978), of which table 1 has been technically revised.

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Textile machinery and accessories — Warp creels — Main dimensions

1 Scope

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

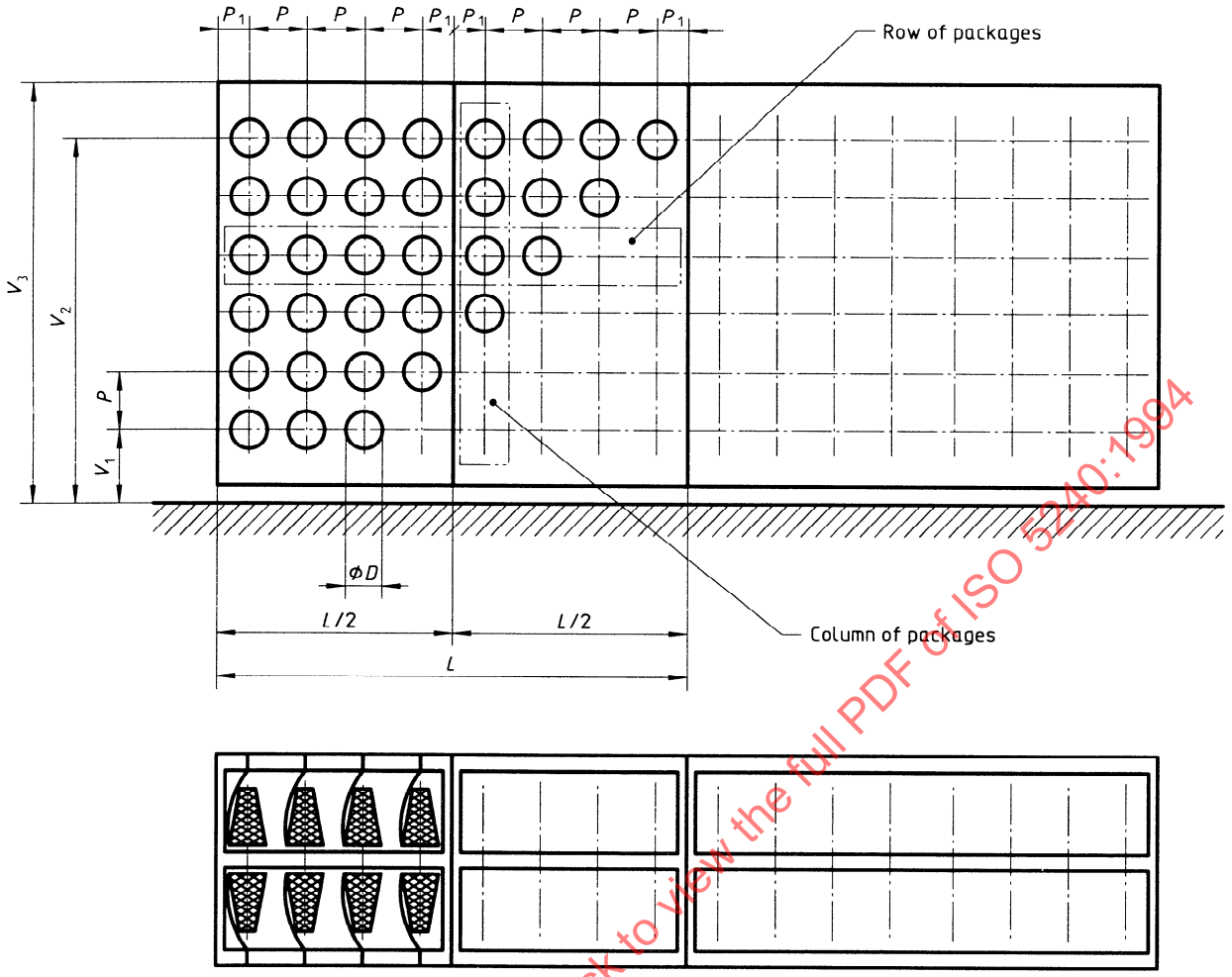
The pitches P should be applied for simple warp creels and only for packages unwound overend. For magazine warp creels, the same pitches should be applied in the vertical direction, and twice-indicated values in the horizontal.

2 Terminology

See figure 1.

3 Dimensions

See figure 1 and table 1.



L = Length of section

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

D = Diameter in 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

Figure 1

Table 1

Dimensions in millimetres

P [1]	P_1 [1]	D max.	L [2]	Number of columns of packages per section	Maximum number of rows of packages [2]		V_1 [3] min.
					Standard creel	High creel	
(160)	100	140	2 000	12	10	12	400
200	100	180	2 400	12	8	10	
220	125	200	2 700	12	8	9	
240	120	220	2 400	10	7	8	
(250)	125	230	3 000	12	7	8	
270	135	250	2 700	10	6	8	
(300)	150	280	3 000	10	6	7	
330	180	300	2 700	8	5	6	
360	210	330	3 000	8	5	6	
400	200	370	2 400	6	4	5	
450	225	410	2 700	6	4	5	
500	250	450	3 000	6	—	4	

NOTE — The values in parentheses should be avoided.

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

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.

3) For creels handled manually with gauge $P \leqslant 330$ mm a measure $V_1 \geqslant 300$ mm is also admitted.

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