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Textile machinery — Draw frame for cotton spinning — Vocabulary and principles of construction

Matériel pour l'industrie textile — Cadre pour la filature du coton — Vocabulaire et principes de construction

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Foreword

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For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 72, *Textile machinery and machinery and accessories*, Subcommittee SC 1, *Spinning preparatory, spinning, twisting and winding machinery and accessories*.

This second edition cancels and replaces the first edition (ISO 21485:2006), which has been technically revised.

Textile machinery — Draw frame for cotton spinning — Vocabulary and principles of construction

Scope

This International Standard establishes a vocabulary of terms related to, and the principles of construction of, draw frames and their components, used for cotton spinning in the textile industry.

NOTE 1 The draw frame design is not required to conform with the figures shown in this International Standard, which are given only as examples of the different types.

NOTE 2 In addition to terms used in English, one of the three official ISO languages, this International Standard gives the equivalent terms in German; these are published under the responsibility of the member body for Germany (DIN). However, only the terms and definitions given in the official language can be considered as ISO terms and definitions.

Terms and definitions

1 Basic terms

1.1
draw frame
textile machinery consisting of a *delivery unit* (1.3) employed to straighten and parallelize the fibres by drafting, to homogenize the sliver by means of *doubling* (4.1) and to blend and de-dust the fibres

1.2
autoleveller draw frame
textile machinery consisting of a *delivery unit* (1.3) employed to straighten and parallelize the fibres by drafting, to homogenize the sliver by *doubling* (4.1), to blend and de-dust, if applicable, the fibres and to compensate any measured deviation of the fibre mass by means of a variable draft superimposed on the nominal *draft* (4.2)

1.3
delivery unit
working point for filling a *sliver can* (3.1)

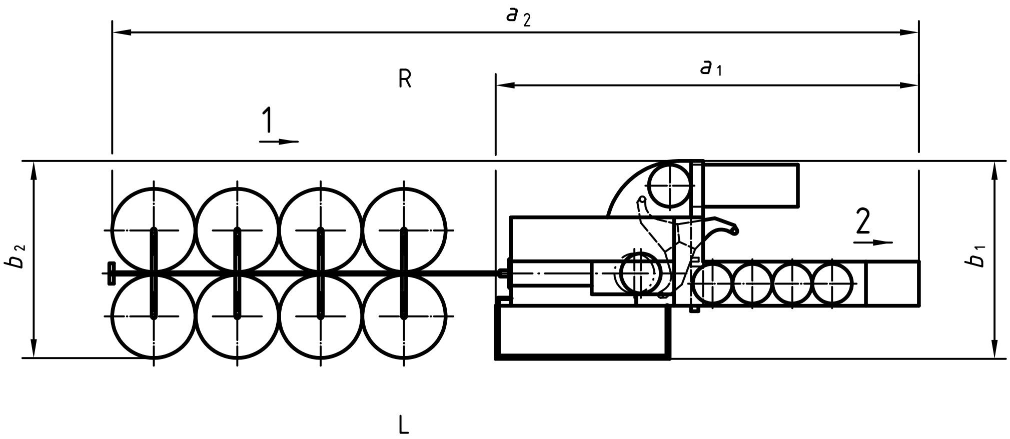
2 Machine sides, dimensions (see Figure 1)

2.1
right side
R
textile machine side located to the right as seen facing toward the direction of fibre flow

Note 1 to entry: See ISO 92.

2.2
left side
L
textile machine side located to the left as seen facing toward the direction of fibre flow

Note 1 to entry: See ISO 92.



Key

a_1 machine depth (without space requirement for deposited sliver cans)

a_2 overall machine depth (including space requirement for deposited sliver cans)

b_1 machine width (without space requirement for deposited sliver cans)

b_2 overall width (including space requirement for deposited sliver cans)

R right side

L left side

1 feed

2 delivery

Space requirement: $a_2 \times b_1$ for $b_2 \leq b_1$

$a_2 \times b_2$ for $b_2 > b_1$

Figure 1 — Machine sides, dimensions

3 Machine components (see Figures 2 and 3)

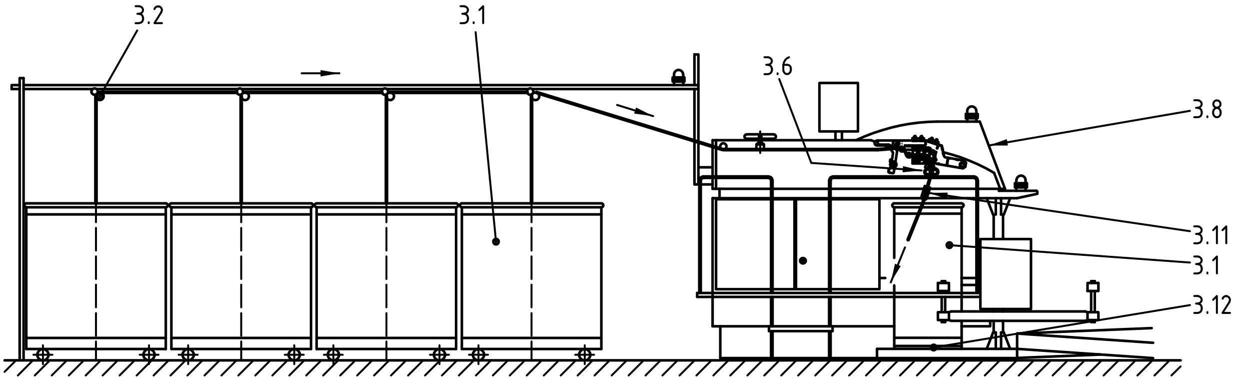


Figure 2 — Machine components (I)