INTERNATIONAL STANDARD

ISO 93-1

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Corrected version
2007-01-15

Textile machinery and accessories — Cylindrical sliver cans —

Part 1: Main dimensions

Matériel pour l'industrie textile — Pots cylindriques pour rubans —

Partie 1: Dimensions principales

Reference number
ISO 93-1:2006(E)

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

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ISO 93-1 was prepared by Technical Committee ISO/TC 72, *Textile machinery and accessories*, Subcommittee SC 1, *Spinning preparatory, spinning, twisting and winding machinery and accessories*.

This fourth edition cancels and replaces the third edition (ISO 93-1:1998), which has been technically revised.

ISO 93 consists of the following parts, under the general title *Textile machinery and accessories — Cylindrical sliver cans*:

— *Part 1: Main dimensions*

— *Part 2: Spring bottoms*

This corrected version of ISO 93-1:2006 incorporates the following correction:

— in 3.1, the symbol for and description of d_3 (diameter of castor) has been included.

Textile machinery and accessories — Cylindrical sliver cans —

Part 1: Main dimensions

1 Scope

This part of ISO 93 specifies the main dimensions of cylindrical sliver cans used in the textile industry.

2 Sliver cans without castors

2.1 Symbols, specifications

These shall be as follows:

d inside diameter

d_1 outside diameter at base

$d_1 = d + 15$ mm

d_2 diameter of recess

$d_2 = d - 15$ mm

d_5 outside diameter from the top rim of can

d_5 up to 700 mm: $d_5 = d + 30$ mm, maximum

d_5 up to 1 200 mm: $d_5 = d + 40$ mm, maximum

d_5 greater than 1 200 mm: $d_5 = d + 50$ mm, maximum

NOTE The stability of the can requires a greater top rim of can for greater diameters of sliver cans.

h overall height

h_1 height of recess

See Figures 1 and 2.

Dimensions and tolerances in millimetres

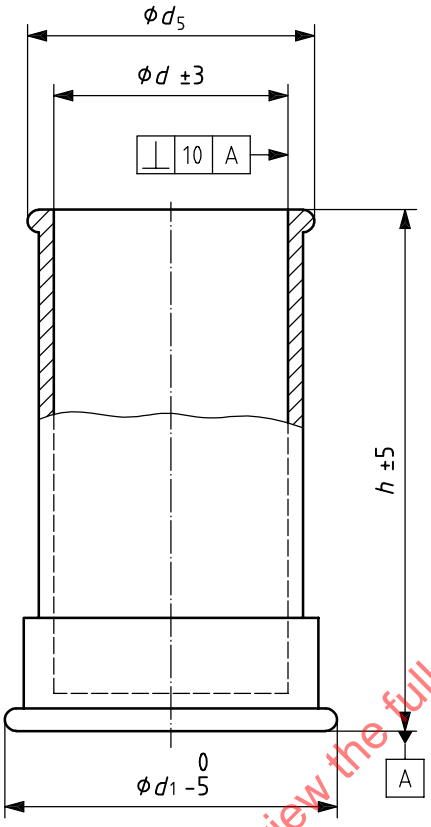


Figure 1 — Flat base can

Dimensions and tolerances in millimetres

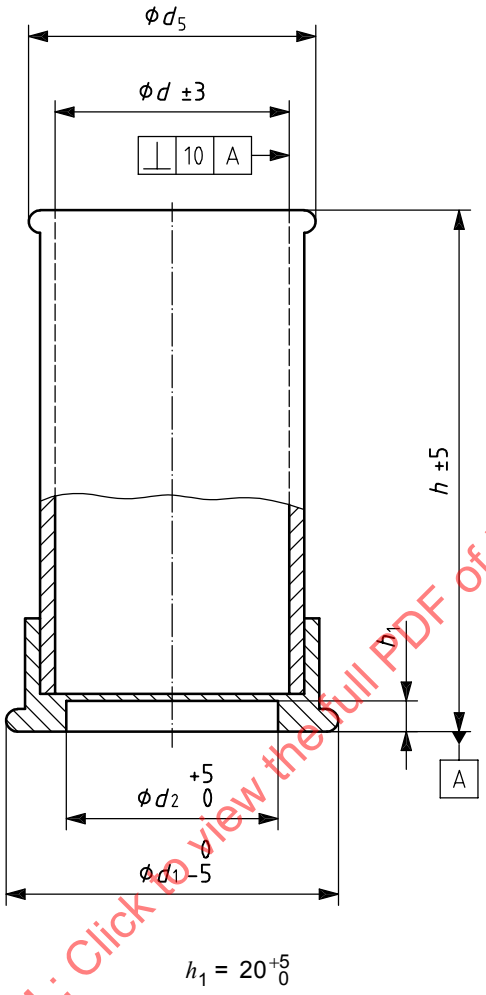


Figure 2 — Inverted base can

2.2 Main dimensions

These shall be in accordance with Table 1.

Table 1 — Dimensions and tolerances of sliver cans without castors

Dimensions in millimetres

$d \pm 3$	h
300 350 400 450 500 600 700	900
300 350 400 450 500 600 700	1 000
400 450 500 600 700	1 100
450 500 600 700 [a]	1 200 [b]

[a] Inside diameters d greater than 700 mm shall be in increments of 100 mm.

[b] Heights h greater than 1 200 mm shall be in increments of 100 mm.

3 Sliver cans with castors

3.1 Symbols, specifications

These shall be as follows:

d inside diameter

d_1 outside diameter at base

$d_1 = d + 15$ mm

d_2 diameter of recess

$d_2 = d - 15$ mm

d_3 diameter of castor

d_5 outside diameter from the top rim of can

d_5 up to 700 mm: $d_5 = d + 30$ mm, maximum

d_5 up to 1 200 mm: $d_5 = d + 40$ mm, maximum

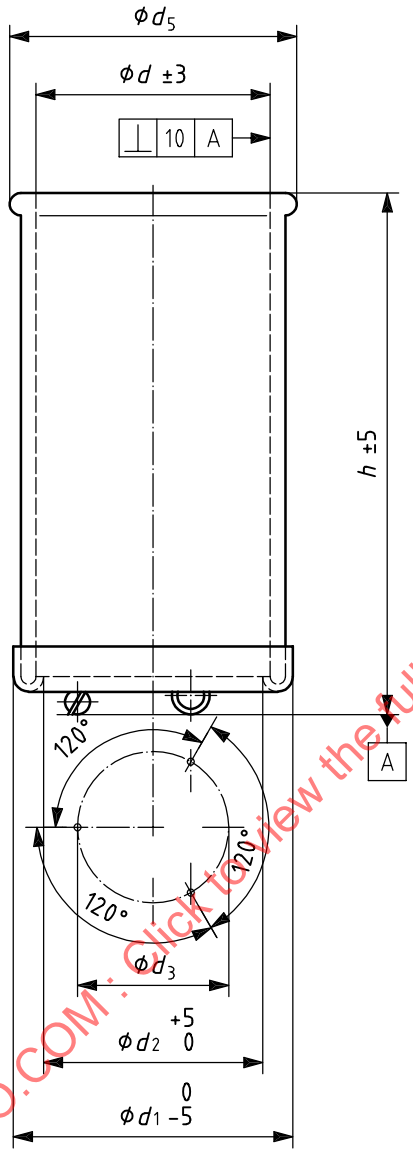
d_5 greater than 1 200 mm: $d_5 = d + 50$ mm, maximum

NOTE The stability of the can requires a greater top rim of can for greater diameters of sliver cans.

h overall height with castors

See Figure 3.

Dimensions and tolerances in millimetres



This drawing shows a can with three castors, but cans may be fitted with four castors, particularly for inside diameters above 700 mm.

See Table 2.

Figure 3 — Sliver can with castors

3.2 Main dimensions

These shall be in accordance with Table 2.

Table 2 — Dimensions and tolerances of sliver cans with castors

Dimensions in millimetres

$d \pm 3$	h	d_3
400	900	280
450		330
500		380
600		480
400	1 000	280
450		330
500		380
600		480
700		540
800		640
900		740
450	1 100	330
500		380
600		480
700		540
800		640
900		740
1000		840
450	1 200 [b]	330
500		380
600		480
700		540
800		640
900		740
1 000 [a]		840

[a] Inside diameters d greater than 1 000 mm shall be in increments of 200 mm.

[b] Heights h greater than of 1 200 mm shall be in increments of 100 mm.