
**Textile machinery — Sliver cans,
rectangular — Main dimensions and
tolerances**

*Matériel pour l'industrie textile — Pots pour rubans, rectangulaires —
Dimensions principales et tolérances*

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Foreword

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Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 16853 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 second edition cancels and replaces the first edition (ISO 16853:2003), which has been technically revised.

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Textile machinery — Sliver cans, rectangular — Main dimensions and tolerances

1 Scope

This International Standard specifies the main dimensions, with tolerances, of rectangular sliver cans used in the textile industry. It also gives information about the right-angle position of cans according to ISO 1101.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 1101, *Geometrical Product Specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out*

3 Symbols and specifications

The symbols and specifications shall be the following:

b_1 outer width of the can

b_2 inner width of the can

h_1 outer height of the can

l_1 outer length of the can

l_1 up to 920 mm

$l_2 = l_1 - 20$ mm

$b_2 = b_1 - 20$ mm

l_1 greater than 920 mm

$l_2 = l_1 - 30$ mm

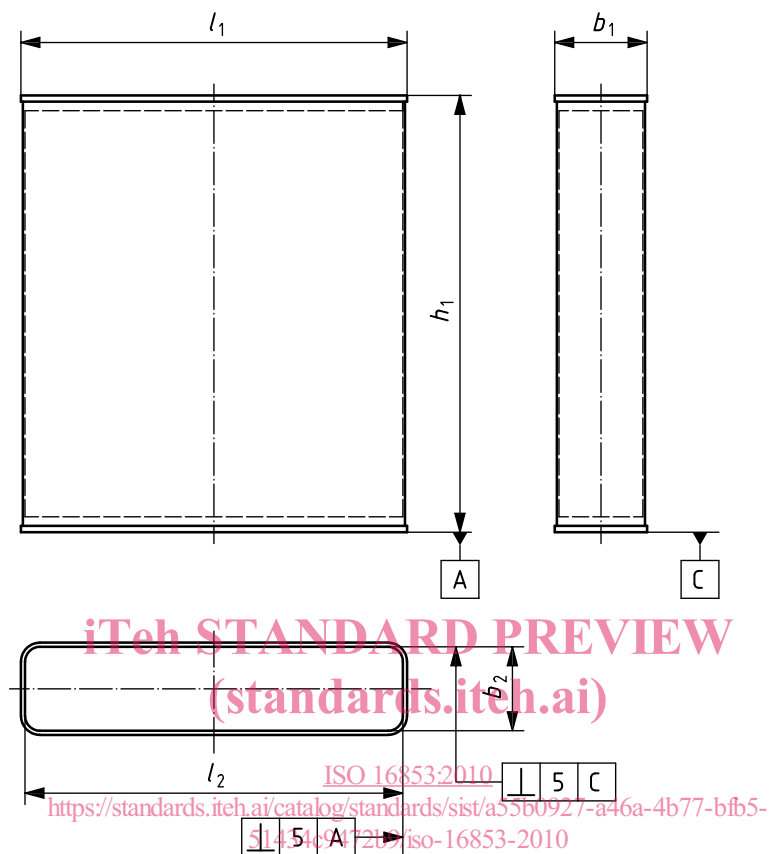
$b_2 = b_1 - 30$ mm

l_2 inner length of the can

NOTE The stability of the can requires a greater top rim of can for greater dimensions of sliver cans. It is known that this inevitably results in smaller inner dimensions.

4 Main dimensions

These shall be as specified in Table 1 and Figure 1.



NOTE Squareness tolerance is in conformity with ISO 1101.

Figure 1 — Sliver cans

Table 1 — Main dimensions of rectangular sliver cans

Dimensions in millimetres

| l_1^a ± 3 | l_2 | b_1 $\begin{matrix} 0 \\ -5 \end{matrix}$ | b_2 | h_1^c ± 5 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------------------------------------------|------------------|--------------------|
| 920 | 900 | 215 | 195 | 1 040 |
| | | | | 1 070 |
| | | 220 ^b | 200 ^b | 1 100 |
| | | | | 1 200 |
| 235 ^b | 215 ^b | 1 040 | | |
| | | 1 070 | | |
| 250 ^b | 230 ^b | 1 100 | | |
| | | 1 200 | | |
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| <p>^a Outer lengths l_1 greater than 920 mm shall be in increments of 100 mm.</p> <p>^b Preferred dimensions.</p> <p>^c Heights h_1 greater than 1 200 mm shall be in increments of 100 mm.</p> | | | | |

5 Designation

The designation for ordering a rectangular sliver can shall include the following information:

- a reference to this International Standard, i.e. ISO 16853:2009;
- the inner length, l_2 ;
- the inner width, b_2 ;
- the outer height, h_1 .

EXAMPLE Rectangular sliver can corresponding to Figure 1 and Table 1, with an inner length $l_2 = 900$ mm and inner width $b_2 = 215$ mm and with an outer height $h_1 = 1 070$ mm:

Rectangular sliver can ISO 16853 – 900 × 215 × 1 070

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