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**Textile machinery — Widths relating to
dyeing and finishing machines —
Definitions and range of nominal widths**

*Matériel pour l'industrie textile — Largeurs relatives aux matériels de
teinture et de finissage — Définitions et gamme de largeurs nominales*



Reference number
ISO 1505:1993(E)

ISO 1505:1993(E)**Foreword**

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International Standard ISO 1505 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, Subcommittee SC 4, *Dyeing, finishing and allied machinery and accessories*.

This second edition cancels and replaces the first edition (ISO 1505:1982), of which it constitutes a technical revision.

Annex A of this International Standard is for information only.

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Textile machinery — Widths relating to dyeing and finishing machines — Definitions and range of nominal widths

1 Scope

This International Standard defines the critical widths relating to dyeing and finishing machines to enable the specification, without ambiguity, of these essential dimensions, particularly in orders. The basic width is the nominal width b as defined in 2.3. It also specifies the range of nominal widths for this equipment.

2 Definitions

For the purposes of this International Standard, the following definitions apply. The dimensions defined are illustrated in figures 1 and 2.

2.1 maximum working width, a_1 : Maximum width, in millimetres, of textile fabric that can be processed.

2.2 minimum working width, a_2 : Minimum width, in millimetres, of textile fabric that can be processed.

2.3 nominal width, b : Width, in millimetres, of the machine elements which house the textile fabric during a treatment process.

$$b = a_1 + j \times 100$$

where j is a coefficient, e.g. $j = 1, 2, 3, \dots$

2.4 maximum stentering width, s_1 (only for machines with tentering chains): Maximum permissible width, in millimetres, between stentering elements, as specified by the machine manufacturer.

$$s_1 = a_1 - k$$

where k is the total width, in millimetres, of the selvedge overhang, i.e. the sum of the widths of the

two selvedge overhangs $k/2$ at the edges of the textile fabric (see figure 2).

2.5 minimum stentering width, s_2 (only for machines with tentering chains): Minimum permissible width, in millimetres, between stentering elements, as specified by the machine manufacturer.

2.6 width, in millimetres, of machine elements, c : See figure 1, for example the length of a roller.

$$c = b + y$$

where

$$y = j \times 100$$

$$j = 0, 1, 2, \dots$$

It is recommended that

$$c = b$$

2.7 frame inside width, g : Width, in millimetres, between the interior surfaces of the machine frames.

$$g = b + j \times 100$$

$$j = 1, 2, 3, \dots$$

2.8 fitting dimensions, m : Dimensions, in millimetres, for the connection to other machines or other parts of machines.

$$m = b + j \times 200$$

$$j = 1, 2, 3, \dots$$

3 Range of nominal widths, b

See table 1.

Table 1

Dimensions in millimetres

	1 000	2 000	3 000	4 000	(5 000)	6 000
(200)	1 200	2 200	(3 200)	(4 200)	5 200	(6 200)
400	1 400	2 400	3 400	4 400	(5 400)	6 400
600	1 600	2 600	(3 600)	(4 600)	5 600	(6 600)
(800)	1 800	2 800	3 800	4 800	(5 800)	6 800
NOTE — Values in brackets shall be avoided wherever possible.						

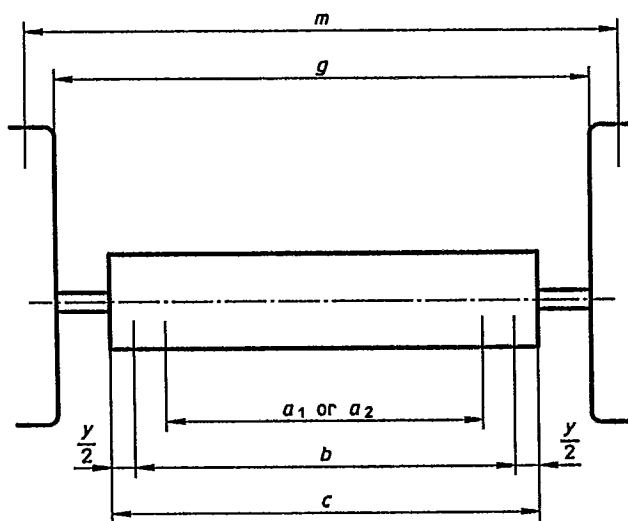


Figure 1 — Machines and plant — General plan

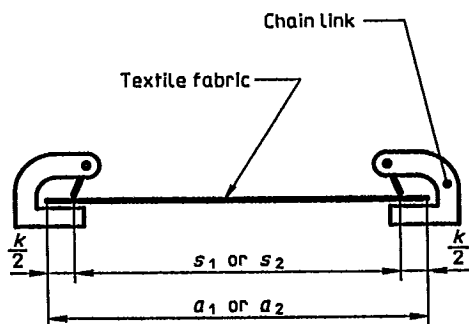


Figure 2 — Machines and plant with tenting chains

Annex A
(informative)

Bibliography

- [1] ISO 1506:1982, *Textile machinery — Dyeing, finishing and allied machinery — Classification and nomenclature*.

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