

INTERNATIONAL  
STANDARD

**ISO**  
**10458**

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**Textile machinery — Square bars for  
winding devices relating to dyeing and  
finishing machines — Dimensions**

*Matériel pour l'industrie textile — Barres carrées pour enrouleurs relatives  
aux matériels de teinture et de finissage — Dimensions*



Reference number  
ISO 10458:1993(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 10458 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*.

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# Textile machinery — Square bars for winding devices relating to dyeing and finishing machines — Dimensions

## 1 Scope

This International Standard specifies the dimensions of the square section of bars of types A and B for winding devices relating to dyeing and finishing machines.

## 2 Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 1505:—<sup>1)</sup>, *Textile machinery — Widths relating to dyeing and finishing machines — Definitions and range of nominal widths.*

## 3 Types

See figure 1.

## 4 Dimensions

See table 1.

## 5 Designation

The designation of a square bar for winding devices shall include the following information in the order given:

- a) "Square-bar";
- b) reference to this International Standard (i.e. ISO 10458);
- c) type of square bar (A or B);
- d) dimension  $b$ , in millimetres;
- e) dimension  $l_1^{*)}$ , in millimetres;
- f) dimension  $l_2^{**)}$  (only for type A), in millimetres;
- g) dimension  $l_3^{**)}$  (only for type A), in millimetres.

### EXAMPLE 1

A square bar for winding device, type A, with  $b = 30$  mm,  $l_1 = 1\ 800$  mm,  $l_2 = 300$  mm and  $l_3 = 200$  mm shall be designated as follows:

**Square bar ISO 10458 - A30 × 1 800 × 300 × 200**

### EXAMPLE 2

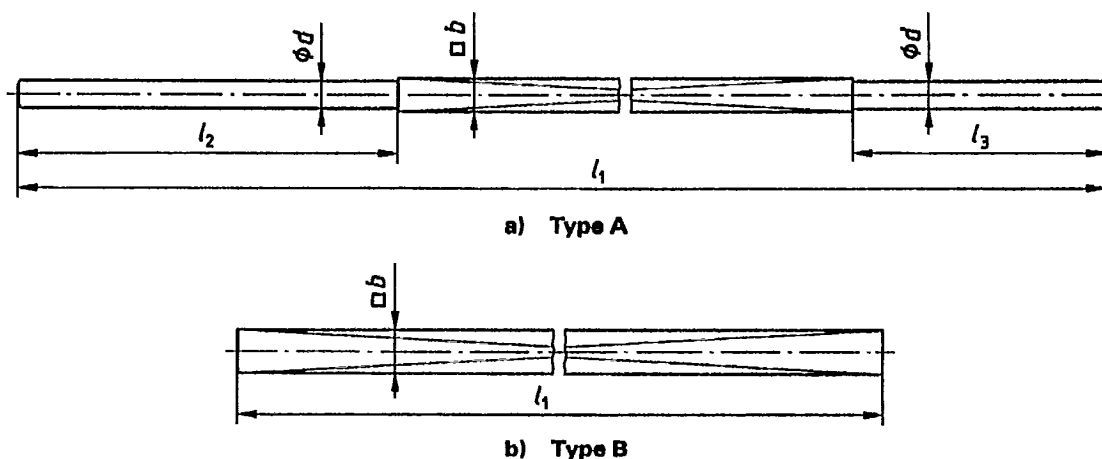
A square bar for winding device, type B, with  $b = 40$  mm and  $l_1 = 1\ 600$  mm shall be designated as follows:

**Square bar ISO 10458 - B40 × 1 600**

1) To be published. (Revision of ISO 1505:1982)

\*) Preferably chosen from the values given in ISO 1505.

\*\*\*) To be agreed between the user and manufacturer.



NOTE — The values for  $l_1$ ,  $l_2$  and  $l_3$  depend on the construction and the nominal width of the machine and shall be agreed between the user and manufacturer.

It is recommended that the values of  $l_1$  be chosen from the nominal widths given in ISO 1505.

Figure 1 — Square bars

Table 1 — Dimensions of square bars

Dimensions in millimetres

$b$	$d$ 1)
25	20
30	25
40	35
50	45
Further steps shall be in increments of 10 mm	
1) Recommended values. Other values may be agreed between the user and manufacturer.	

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**Descriptors:** textile machinery, textile finishing, dyeing equipment, winding, square bars, dimensions, designation.

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