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# International Standard



# 6177

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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

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## Textile machinery — Cloth rollers — Terminology and main dimensions

*Matériel pour l'industrie textile — Rouleaux magasins — Terminologie et dimensions principales*

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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been authorized 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.

Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 6177 was developed by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, and was circulated to the member bodies in March 1982.

It has been approved by the member bodies of the following countries :

|                     |                       |                |
|---------------------|-----------------------|----------------|
| Australia           | India                 | Spain          |
| Belgium             | Indonesia             | Switzerland    |
| Brazil              | Japan                 | Turkey         |
| Czechoslovakia      | Korea, Rep. of        | United Kingdom |
| Egypt, Arab Rep. of | Mexico                | USSR           |
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| Germany, F.R.       | South Africa, Rep. of |                |

No member body expressed disapproval of the document.

# Textile machinery — Cloth rollers — Terminology and main dimensions

## 1 Scope and field of application

This International Standard defines the basic terms, lays down the main dimensions and gives specifications of cloth rollers used for winding fabrics and feeding subsequent machines.

NOTE — In addition to terms given in the three official ISO languages, English, French, and Russian, this International Standard also gives the equivalent terms in German; these terms have been included at the request of ISO/TC 72 and are published under the responsibility of the committee members of the Federal Republic of Germany (DIN) and Switzerland (SNV). However, only the terms and definitions given in the official languages may be considered as ISO terms and definitions.

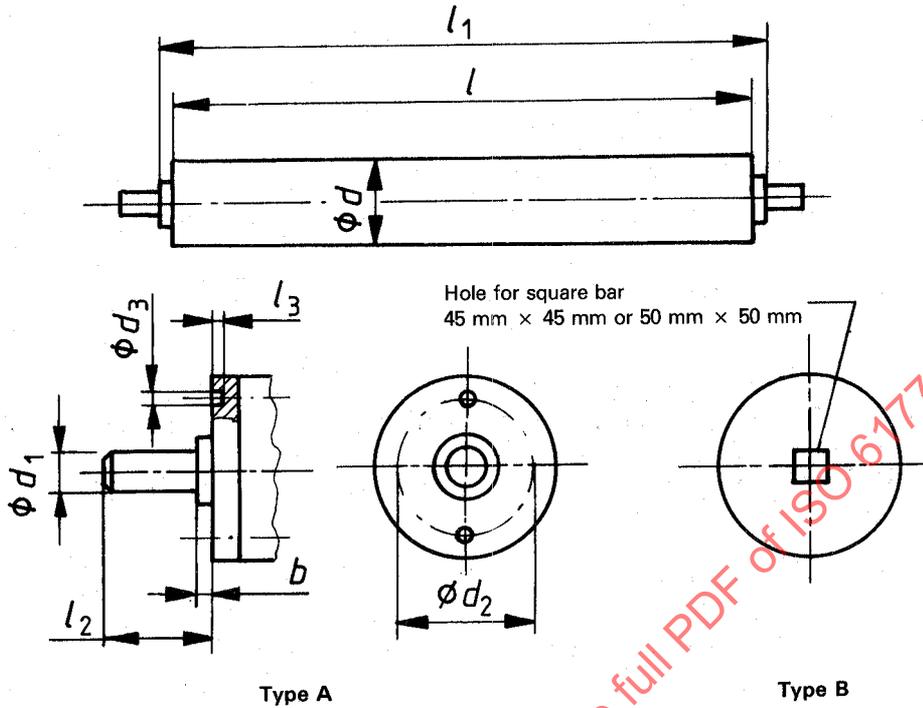
## 2 References

ISO 109, *Textile machinery — Working widths of weaving machines.*

ISO 481, *Textile machinery and accessories — Warper's beams — Terminology and main dimensions.*

ISO 5241, *Textile machinery and accessories — Weaver's beams — Terminology and main dimensions.*

3 Terminology and main dimensions



NOTE — For other types of rollers, see the annex, figure 2

Figure 1

3.1 Terminology

| Symbol | English                                      | French                                       | Russian                          | German                             |
|--------|--|--|----------------------------------|------------------------------------|
| $d$    | Outside diameter of barrel                   | Diamètre extérieur du rouleau                | Наружный диаметр валика          | Außendurchmesser des Rohres        |
| $d_1$  | Diameter of the shaft                        | Diamètre du tourillon                        | Диаметр цапфы                    | Zapfendurchmesser                  |
| $d_2$  | Diameter of pitch circle of driving holes    | Diamètre de perçage des trous d'entraînement | Диаметр делительной окружности   | Teilkreisdurchmesser               |
| $d_3$  | Diameter of driving hole                     | Diamètre des trous d'entraînement            | Диаметр отверстия для привода    | Durchmesser des Mitnehmerloches    |
| $l$    | Barrel length                                | Longueur du rouleau                          | Длина валика навоя               | Länge des Rohres                   |
| $l_1$  | Length over bosses, collar to collar, type A | Distance collet à collet, type A             | Длина валика с выступами (тип А) | Länge einschließlich Bunde (Typ A) |
| $l_2$  | Length of the shaft                          | Longueur du tourillon                        | Длина цапфы с выступом           | Zapfenlänge einschließlich Bund    |
| $l_3$  | Depth of driving hole                        | Profondeur du trou d'entraînement            | Глубина отверстия для привода    | Tiefe des Mitnehmerloches          |
| $b$    | Length of boss                               | Largeur du collet                            | Ширина выступа                   | Bundbreite                         |