
International Standard



1037

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

Textile machinery and accessories — Beams for dyeing slivers and yarn — Terminology and main dimensions

Matériel pour l'industrie textile — Ensouples de teinture pour fibres et filés — Terminologie et dimensions principales

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Descriptors : textile machinery, dyeing machines, beams (textile machinery), dimensional tolerances.

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (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 set up 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 1037 was developed by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*, and was circulated to the member bodies in December 1978.

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

Belgium	Italy	South Africa, Rep. of
Czechoslovakia	Korea, Dem. P. Rep. of	Spain
Egypt, Arab Rep. of	Korea, Rep. of	Switzerland
France	Mexico	United Kingdom
Germany, F. R.	Netherlands	USSR
India	Poland	Yugoslavia
Indonesia	Romania	

The member bodies of the following countries expressed disapproval of the document on technical grounds :

Bulgaria
Japan

This International Standard cancels and replaces ISO Recommendation R 1037-1969, of which it constitutes a technical revision.

Textile machinery and accessories — Beams for dyeing slivers and yarn — Terminology and main dimensions

1 Scope and field of application

This International Standard lays down the main dimensions and the driving devices for perforated beams used for dyeing slivers or yarn tapes (for example for warping).

2 References

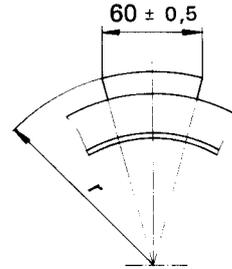
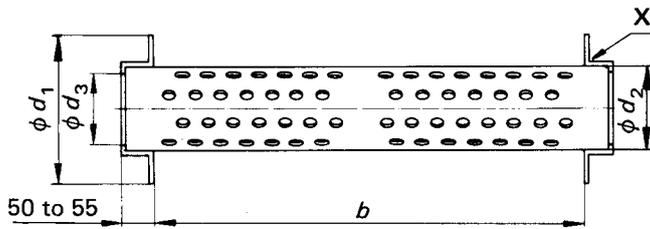
ISO 481, *Textile machinery and accessories — Warper's beams — Terminology and main dimensions.*

ISO 1025, *Textile machinery and accessories — Sectional beams for warp knitting machines — Terminology and main dimensions.*

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

3 Terminology

Dimensions in millimetres



Detail X

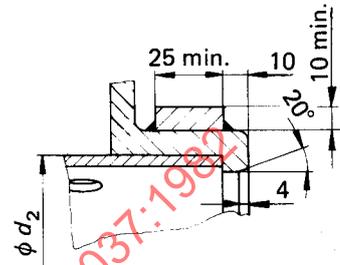
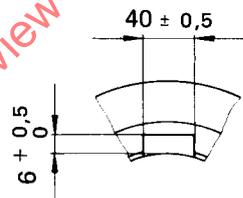
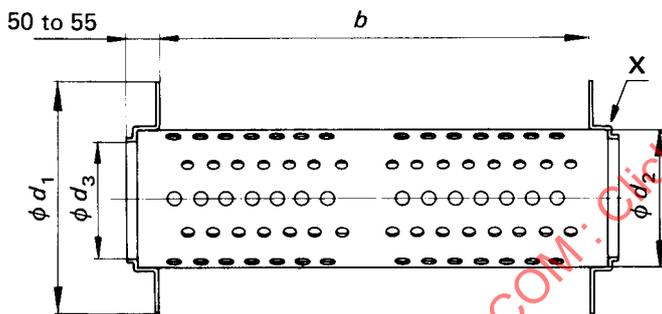


Figure 1 — Type A : Beam with simple flanges, and driving devices
(One lug per flange)



Detail X

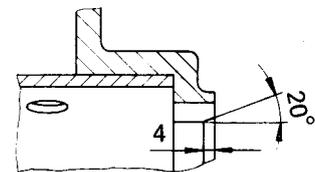


Figure 2 — Type B : Beams with flanges and counter shoulder, and driving device
(One key per flange)

NOTE — For type A and type B, it is possible to have one lug or one key per flange (according to the values of d_2 and d_3).

d_1 = outside diameter of flange

d_2 = outside diameter of barrel

d_3 = diameter of axial orifice

b = distance between the flanges

4 Main dimensions

Table — Main dimensions

Values in millimetres

Type	d_1	Tolerance	d_2	Tolerance	r	$b \pm 1$	$d_3 \pm 0,3$
A	300	$\pm 0,5$	150	$\pm 1,2$	96	1 400 1 600 1 800	145
	(480)	$\pm 0,8$	230	$\pm 1,2$	137,5		225
	520						
B	(520)	$\pm 0,8$	280	$\pm 1,2$	—		
	600						
	600		500	± 2	—		
	750						

NOTE — The values in brackets should be avoided whenever possible.

5 Designation

A dyeing beam is designated by the number of this International Standard, an indication of its form (type A or type B), the outside diameter of the flanges, d_1 , and that of the barrel, d_2 , and also by the winding width (distance between the flanges), b .

Example :

Dyeing beam ISO 1037 - B 600 × 280 × 1 400

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