
International Standard



8116/3

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

**Textile machinery and accessories — Beams for winding —
Part 3: Weaver's beams — Terminology and main dimensions**

Matériel pour l'industrie textile — Ensembles pour enroulement — Partie 3: Ensembles de tissage — 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 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.

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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 8116/3 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*.

Although this is a first edition of ISO 8116/3, it constitutes a minor technical revision of ISO 5241-1978 which is now cancelled and withdrawn.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to any other International Standard implies its latest edition, unless otherwise stated.

Textile machinery and accessories — Beams for winding — Part 3: Weaver's beams — Terminology and main dimensions

1 Scope and field of application

This part of ISO 8116 defines the basic terms and lays down the main dimensions and the variations in form and position for weaver's beams that are used for weaving preparation as well as for weaving.

2 References

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

ISO 286, *ISO system of limits and fits.*¹⁾

ISO 2013, *Textile machinery and accessories — Beams — Method of measuring variations of form and position.*

ISO 6175, *Textile machinery and accessories — Recommended profile threads for weaver's beams.*

ISO 8116/1, *Textile machinery and accessories — Beams for winding — Part 1: Vocabulary.*

ISO 8116/2, *Textile machinery and accessories — Beams for winding — Part 2: Warper's beams — Terminology and main dimensions.*

ISO 8116/4, *Textile machinery and accessories — Beams for winding — Part 4: Quality classification of flanges for weaver's beams, warper's beams and sectional beams.*

1) At present at the stage of draft. (Revision of ISO/R 286-1962.)

3 Terminology and main dimensions

d_1 = flange diameter

d_2 = barrel diameter

d_3 = shaft diameter

l_1 = barrel length including end plates

l_2 = length over bosses (collar to collar)

l_3 = length of shaft (boss included)

l_4 = length over bosses (collar to collar) (related to designs with end plates with square hole)

l_5 = length of boss

w = width of boss

Dimensions in millimetres

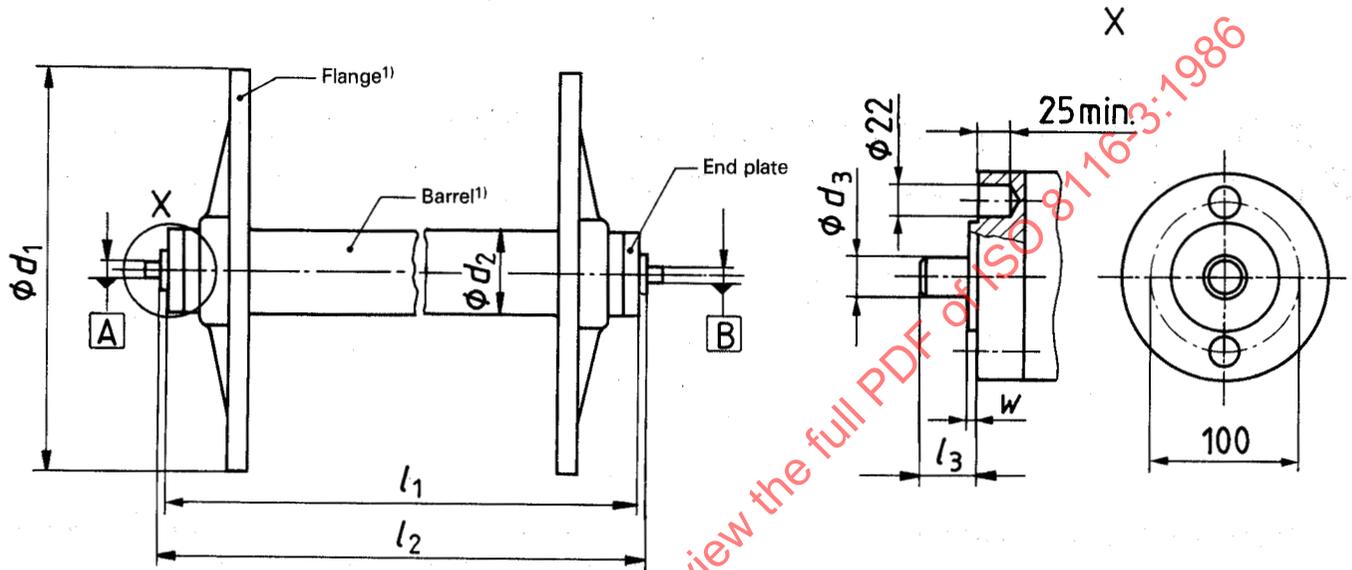


Figure 1 — Weaver's beam with shafts — Type A

Dimensions in millimetres

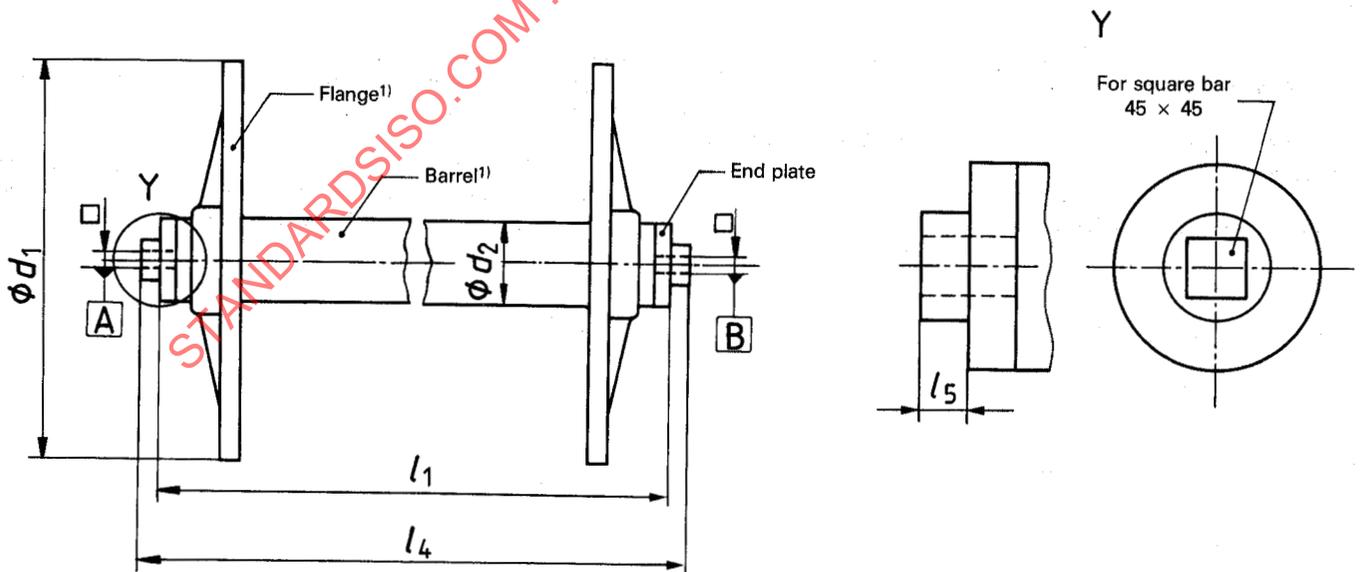


Figure 2 — Weaver's beam with end plates having square hole — Type B

1) For the method of fixation of the flange and barrel, see ISO 6175.