
International Standard



8116/2

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

**Textile machinery and accessories — Beams for winding —
Part 2: Warper's beams — Terminology and main
dimensions**

Matériel pour l'industrie textile — Ensembles pour enroulement — Partie 2: Ensembles d'ourdissoirs — Terminologie et dimensions principales

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Descriptors : textile machinery, winding, yarns, beams: textile machinery, dimensions, designation.

Price based on 4 pages

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 8116/2 was prepared by Technical Committee ISO/TC 72, *Textile machinery and allied machinery and accessories*.

Although this is a first edition of ISO 8116/2, it is based on ISO 481-1977 which is now cancelled and withdrawn. Technical changes include some additional values in tables 1 and 2, changed clauses 4 and 5, a new table 4 and a new clause 7.

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 2: Warper'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, the variations of form and position and the driving devices for warper's beams with and without shafts.

2 References

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

ISO 1940, *Balance quality of rotating rigid bodies*.

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

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

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

3 Terminology and main dimensions

- | | |
|----------------------------|---|
| d_1 = flange diameter | l_1 = width between flanges |
| d_2 = barrel diameter | l_2 = overall length (without shafts) |
| d_3 = diameter of shaft | l_3 = length or extension of shaft |
| d_4 = diameter of bore | l_4 = total length (with shafts) |
| d_5 = diameter of ruffle | |

Dimensions and tolerances in millimetres

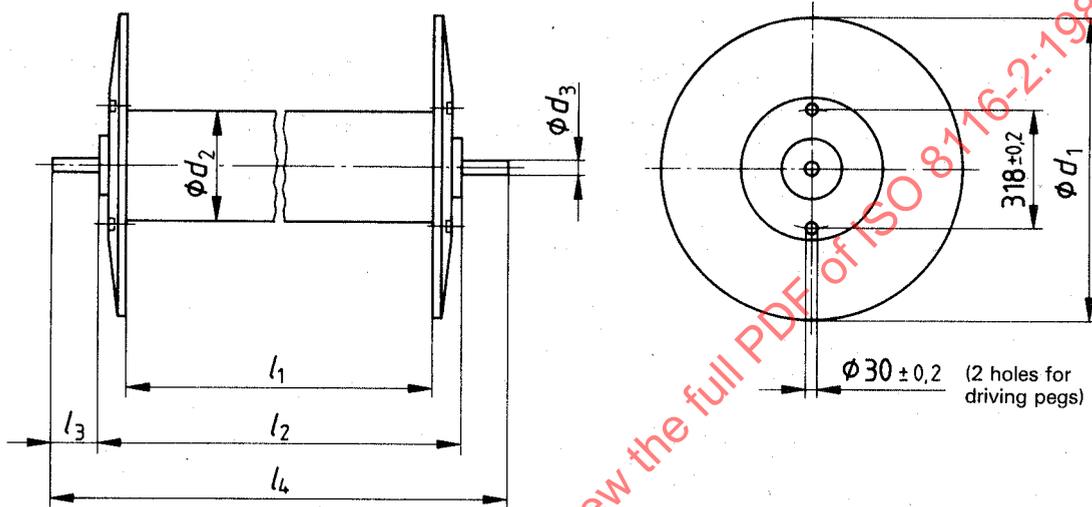


Figure 1 — Warper's beams with shafts — Type A

Dimensions and tolerances in millimetres

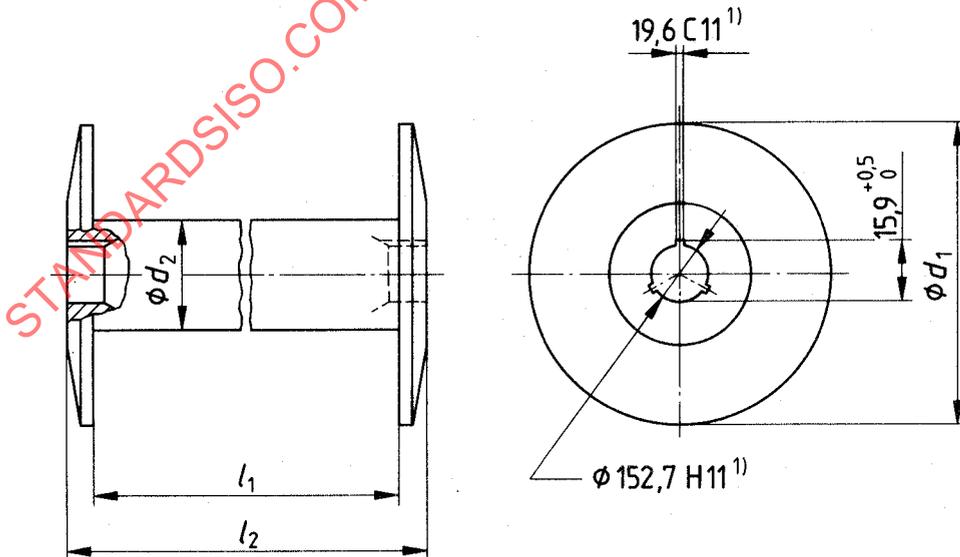


Figure 2 — Warper's beams with cylinder bore for centring and keyseat for driving — Type B

1) See ISO 286.