INTERNATIONAL STANDARD

ISO 8116-2

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Textile machinery and accessories — Beams for winding —

Part 2: Warper's beams

Matériel pour l'industrie textile — Ensouples pour enroulement —

Partie 2: Ensouples d'ourdissoirs

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Foreword

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International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. 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.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

ISO 8116-2 was prepared by Technical Committee ISO/TC 72, *Textile machinery and accessories*, Subcommittee SC 3, *Machinery for fabric manufacturing including preparatory machinery and accessories*.

This third edition cancels and replaces the second edition (ISO 8116-2:1995), which has been technically revised.

ISO 8116 consists of the following parts, under the general title *Textile machinery and accessories — Beams for winding*:

— *Part 1: General vocabulary*

— *Part 2: Warper's beams*

— *Part 3: Weaver's beams*

— *Part 4: Test methods and quality classification of flanges for weaver's beams, warper's beams and sectional beams*

— *Part 5: Sectional beams for warp knitting machines*

— *Part 6: Beams for ribbon weaving and ribbon knitting*

— *Part 7: Beams for dyeing slivers, rovings and yarns*

— *Part 8: Definitions of run-out tolerances and methods of measurement*

— *Part 9: Dyeing beams for textile fabrics*

Textile machinery and accessories — Beams for winding —

Part 2:
Warper's beams

1 Scope

This part of ISO 8116 specifies the main dimensions, mechanical strength, permissible tolerances of form and position of the main elements of warper's beams, and the driving devices and designation for warper's beams with and without shafts.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 286-2, *ISO system of limits and fits — Part 2: Tables of standard tolerance grades and limit deviations for holes and shafts*

ISO 1940-1, *Mechanical vibration — Balance quality requirements for rotors in a constant (rigid) state — Part 1: Specification and verification of balance tolerances*

ISO 8116-4, *Textile machinery and accessories — Beams for winding — Part 4: Test methods and quality classification of flanges for weaver's beams, warper's beams and sectional beams*

ISO 8116-8, *Textile machinery and accessories — Beams for winding — Part 8: Definitions of run-out tolerances and methods of measurement*

3 Types and main dimensions

Warper's beams are divided into three main types:

— Type A warper's beams with shafts;

— Type B warper's beams with cylinder bore for centring and key seat for driving;

— Type C warper's beams with toothed cone for centring and driving:

  — Execution C1: tooth number 50 (old executions shall no be longer used)

  — Execution C2: tooth number 72

  — Execution C3: tooth number 50

The main dimensions of warper's beams of Type A and Type B are shown and explained in Figure 1 and Figure 2.