INTERNATIONAL STANDARD

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Second edition
2021-04

Textiles — Determination of spirality after laundering —

Part 3: Woven and knitted garments

Textiles — Détermination du vrillage après lavage —

Partie 3: Vêtements tissés ou tricotés

Reference number
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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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 2, *Cleansing, finishing and water resistance tests*.

This second edition cancels and replaces the first edition (ISO 16322-3:2005), which has been technically revised. The main changes compared to the previous editions are as follows:

— Figure 4 has been corrected.

A list of all parts in the ISO 16322 series can be found on the ISO website.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Textiles — Determination of spirality after laundering —

Part 3:
Woven and knitted garments

1 Scope

This document specifies procedures to measure the spirality or torque of woven and knitted garments after domestic laundering.

The results obtained from different procedures might not be comparable.

This document is not intended to measure the spirality of garments as manufactured, but rather the spirality after domestic laundering.

NOTE Some fabric constructions, such as denim, can have spirality intentionally introduced during manufacturing. Garments made of fabrics from circular knitting machines can have inherent nonverticality of wale alignment.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 139, *Textiles — Standard atmospheres for conditioning and testing*

ISO 6330, *Textiles — Domestic washing and drying procedures for textile testing*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

3.1
spirality
torque
<in garments>rotation, usually lateral, between different panels of a garment resulting from the release of latent stresses during laundering of the woven or knitted fabric forming the garment

Note 1 to entry: The phenomenon is sometimes referred to as twist, for example, denim jean leg twist.

4 Principle

Test specimens are prepared, marked and laundered according to specified procedures. Spirality is measured in percentage of a marked distance.