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I.S. EN ISO 23606:2009

# Textiles - Knitted fabrics - Representation and pattern design (ISO 23606:2009)

## I.S. EN ISO 23606:2009

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**EUROPEAN STANDARD**

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**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

March 2009

ICS 59.080.30

English Version

## **Textiles - Knitted fabrics - Representation and pattern design (ISO 23606:2009)**

Textiles - Étoffes tricotées - Représentation et mise en  
carte (ISO/FDIS 23606:2009)

Textilien - Maschenstoffe - Darstellungsformen und  
Patronierung (ISO 23606:2009)

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## **Foreword**

This document (EN ISO 23606:2009) has been prepared by Technical Committee ISO/TC 38 "Textiles" in collaboration with Technical Committee CEN/TC 248 "Textiles and textile products", the secretariat of which is held by BSI.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by September 2009, and conflicting national standards shall be withdrawn at the latest by September 2009.

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### **Endorsement notice**

The text of ISO 23606:2009 has been approved by CEN as a EN ISO 23606:2009 without any modification.

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**INTERNATIONAL**  
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**Textiles — Knitted fabrics —  
Representation and pattern design**

*Textiles — Étoffes tricotées — Représentation et mise en carte*



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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.

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

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ISO 23606 was prepared by Technical Committee ISO/TC 38, *Textiles*, Subcommittee SC 20, *Fabric descriptions*.

# Textiles — Knitted fabrics — Representation and pattern design

## 1 Scope

This International Standard specifies various systems of symbolic notation and pattern design for knitted fabrics.

The symbolic notations contained in this International Standard do not necessarily constitute the only method of representation.

## 2 Terms and definitions

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

### 2.1

#### **knitted fabrics**

generic name applied to textile fabrics in which at least one system of threads is formed into knitted loops and the knitted loops are intermeshed into stitches

[ISO 8388:1998, definition 3.0.1]

NOTE Knitting machines classified according to ISO 7839 are used.

### 2.2

#### **weft-knitted fabrics**

generic name applied to knitted fabrics in which the stitches made by each thread are formed substantially across the width of the fabric

NOTE 1 Weft-knitted fabrics are characterised by the fact that each weft thread is fed more or less at right angles to the direction in which the fabric is produced.

[ISO 8388:1998, definition 3.0.2]

NOTE 2 Weft-knitted fabrics are manufactured on flat or circular weft-knitting machines as classified in ISO 7839.

### 2.3

#### **warp-knitted fabrics**

generic name applied to knitted fabrics in which the stitches made from each warp thread are formed substantially along the length of the fabric

NOTE 1 Warp-knitted fabrics are characterised by the fact that each warp thread is fed more or less in line with the direction in which the fabric is produced.

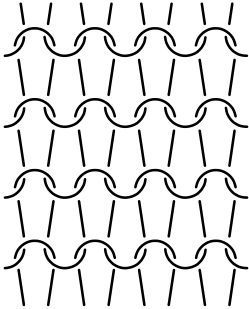
[ISO 8388:1998, definition 3.0.3]

NOTE 2 Warp-knitted fabrics are manufactured on flat or circular warp knitting machines as classified in ISO 7839.

NOTE 3 Stitch-bonded fabrics are a special variation of warp-knitted fabrics manufactured on flat warp knitting machines in accordance with ISO 8640-4, which are equipped with stitch-through compound needles, etc.

### 3 Weft-knitted fabrics

#### 3.1 Representation

Term No.	Term	Definition, example
3.1.1	<b>loop structure</b>	<p>magnified, two-dimensional line representation of the yarn path in a knitted construction</p> <p>EXAMPLE Single jersey-based fabric (technical reverse side).</p> 
3.1.2	<b>pattern draft</b>	<p>diagrammatic representation of a knitted fabric carried out on a pattern drafting screen by taking stated divisions into account</p> <p>NOTE A distinction is made between a graphic pattern draft (3.1.2.1) and a technical pattern draft (3.1.2.2).</p>
3.1.2.1	<b>graphic pattern draft</b>	pictorial representation of a knitted fabric
3.1.2.2	<b>technical pattern draft</b>	<p>symbolic representation of the stitches of a knitted fabric read according to the manufacture of a knitted fabric from bottom to top</p> <p>NOTE 1 A technical pattern draft can be a two-dimensional representation on a grid or a linear representation on matrix dots (yarn path).</p> <p>NOTE 2 A technical pattern draft is represented either as a construction pattern draft (3.1.2.2.1) or as a working pattern draft (3.1.2.2.2).</p>
3.1.2.2.1	<b>construction pattern draft</b>	symbolic representation of the structure of a knitted fabric
3.1.2.2.2	<b>working pattern draft</b>	symbolic representation of the working process according to the manufacture of the knitted fabric

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