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Steel for the reinforcement of concrete —

Part 3: Welded fabric

Aciers à béton pour armatures passives —

Partie 3: Treillis soudés

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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 document 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).

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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 17, *Steel*, Subcommittee SC 16, *Steels for the reinforcement and prestressing of concrete*. [ISO 6935-3](https://standards.iteh.ai/catalog/standards/sist/f7217c57-0d7b-43ba-af68-12c53e127c8a/iso-6935-3)

This second edition cancels and replaces the first edition (ISO 6935-3:1992), which has been technically revised. It also incorporates the Technical Corrigendum ISO 6935-3:1992/Cor 1:2000.

The main changes are as follows:

- [Clause 1, 2, 3, 4](#) have been revised;
- [Figure 1](#) has been replaced with a new figure.

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.

Steel for the reinforcement of concrete —

Part 3: Welded fabric

1 Scope

This document specifies technical requirements for factory made sheets or rolls of welded fabric, manufactured from steel wires or bars with diameters from 4 mm to 18 mm and designed for the reinforcement of concrete structures and the ordinary reinforcement of prestressed concrete structures.

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 6935-1, *Steel for the reinforcement of concrete — Part 1: Plain bars*

ISO 6935-2, *Steel for the reinforcement of concrete — Part 2: Ribbed bars*

ISO 15630-2, *Steel for the reinforcement and prestressing of concrete — Test methods — Part 2: Welded fabric and lattice girders*

ISO 10544, *Cold-reduced steel wire for the reinforcement of concrete and the manufacture of welded fabric*

<https://standards.iteh.ai/standards/sist/f7217c57-0d7b-43ba-af68-12c53e127c8a/iso-6935-3>

3 Terms and definitions

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

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

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

— IEC Electropedia: available at <https://www.electropedia.org/>

3.1

characteristic value

value having a prescribed probability of not being attained in a hypothetical unlimited test series

Note 1 to entry: Equivalent to “fractile”, which is defined in ISO 3534-1:2006.

Note 2 to entry: A nominal value is used as the characteristic value in some circumstances.

[SOURCE: ISO 16020:2005, 2.4.10, modified — Note 2 to entry has been added.]

3.2

fabric

geometrical arrangement of longitudinal and transverse wires that are arranged substantially at right angles to each other and welded together at all points of intersection

Note 1 to entry: See [Figure 1](#).

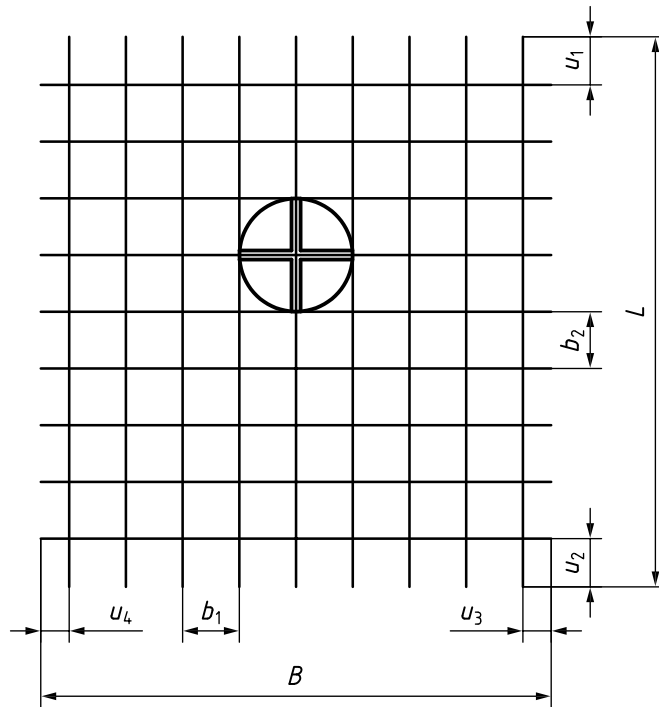


Figure 1 — Geometric characteristics of fabric

3.3 inspection

activities such as measuring, examining, testing, gauging one or more characteristics of a product or service and comparing these with specified requirements to determine conformity

3.4 length of fabric

longest side of the fabric, irrespective of the manufacturing direction

3.5 longitudinal wire

wire in the manufacturing direction of the fabric

3.6 nominal cross-sectional area

cross-sectional area equivalent to the area of a circular plain bar of the same nominal diameter

[SOURCE: ISO 16020:2005, 2.2.15, modified — “wire” has been removed from the definition.]

3.7 overhang

length of longitudinal or transverse wires beyond the centre of the outer crossing wire in a fabric

Note 1 to entry: For twin wire fabric, the overhang is measured from the tangent line of the adjacent wires, see [Figure 2](#).

3.8 spacing

centre-to-centre distance of wires in a fabric

Note 1 to entry: For twin wire fabric, the spacing is measured between the tangents of the adjacent wires, see [Figure 2](#).