

Steel wire and products — Bead wire

The European Standard EN 10323:2004 has the status of a
British Standard

ICS 77.140.65

National foreword

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The UK participation in its preparation was entrusted to Technical Committee ISE/26, Steel wire, which has the responsibility to:

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 16, an inside back cover and a back cover.

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Foreword

This document (EN 10323:2004) has been prepared by Technical Committee ECISS/TC 30 "Steel wire", 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of an identical text or by endorsement, at the latest by March 2005, and conflicting national standards shall be withdrawn at the latest by March 2005.

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1 Scope

This document specifies composition, dimensions and mechanical properties of round and flat wire used for strengthening the bead of all kinds of tyres.

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.

EN 10002-1, *Metallic materials — Tensile testing — Part 1: Method of test at ambient temperature*

EN 10016-1, *Non-alloy steel rod for drawing and/or cold rolling — Part 1: General requirements*

EN 10016-2, *Non-alloy steel rod for drawing and/or cold rolling — Part 2: Specific requirements for general purposes rod*

EN 10016-4, *Non-alloy steel rod for drawing and/or cold rolling — Part 4: Specific requirements for rod for special applications*

EN 10021, *General technical delivery requirements for steel and iron products*

EN 10204, *Metallic products — Types of inspection documents*

EN 10218-1, *Steel wire and wire products — General — Part 1: Test methods*

EN 10218-2, *Steel wire and wire products — General — Part 2: Wire dimensions and tolerances*

EN 10244-1, *Steel wire and wire products — Non-ferrous metallic coatings on steel wire — Part 1: General principles*

CR 10261, *ECISS Information circular 11 — Iron and steel — Review of available methods of chemical analysis*

3 Terms and definitions

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

3.1

nominal diameter: d

value of the diameter, expressed in millimetres, by which the wire is designated and specified by the purchaser

NOTE This is the basis on which the values of all relevant characteristics are determined for the acceptance of the wire

3.2

actual diameter

arithmetic mean of two measurements of the diameter at right angles determined at any cross-section

3.3

out of roundness

arithmetic difference between the maximum and minimum diameters measured in a transverse cross-section perpendicular to the wire axis