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NSAI Standards

Irish Standard
I.S. EN 16732:2015

Slide fasteners (zips) - Specification

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National Foreword

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 16732

December 2015

ICS 61.040

English Version

Slide fasteners (zips) - Specification

Fermetures à glissière - Spécifications

Reißverschlüsse - Spezifikation

This European Standard was approved by CEN on 7 November 2015.

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Contents

Page

European foreword ... 5
Introduction ... 6
1 Scope ... 7
2 Normative references ... 7
3 Terms and definitions ... 8
4 Requirements ... 10
5 Conditioning and testing ... 12
5.1 Conditioning of test samples ... 12
5.2 Slide fastener length measurement ... 12
5.3 Strength of puller attachment ... 12
5.4 Strength of closed-end ... 12
5.5 Strength of top stop ... 12
5.6 Strength of open-end slide fastener box ... 13
5.7 Resistance to reciprocation ... 13
5.8 Lateral strength of slide fastener ... 13
5.9 Lateral strength of open-end attachment ... 13
5.10 Strength of slider locking device ... 13
5.11 Open-end slide fastener single stringer slider retention ... 13
5.12 Torque strength ... 13
6 Washing and dry cleaning test ... 13
7 Test report ... 14
8 Marking ... 14
Annex A (informative) Guidance on factors to be taken into consideration when specifying slide fasteners ... 18
Annex B (normative) Test for strength of puller attachment ... 19
B.1 Principle ... 19
B.2 Apparatus ... 19
B.2.1 Constant rate of extension tensile testing machine ... 19
B.2.2 Fixture to retain the slider body rigidly ... 19
B.3 Procedure ... 19
Annex C (normative) Test for strength of closed-end ... 21
C.1 Principle ... 21
C.2 Apparatus ... 21
C.2.1 Constant rate of extension tensile testing machine ... 21
C.2.2 Clamping device ... 21
C.3 Procedure ... 22
Annex D (normative) Test for strength of top stop ... 23

This is a free page sample. Access the full version online.

D.1 Principle ... 23
D.2 Apparatus ... 23
D.3 Procedure ... 24
Annex E (normative) Test for strength of open-end slide fastener box ... 25
E.1 Principle ... 25
E.2 Apparatus ... 25
E.2.1 Constant rate of extension tensile testing machine ... 25
E.2.2 Slotted plate ... 25
E.3 Procedure ... 26
Annex F (normative) Test for resistance to reciprocation ... 27
F.1 Principle ... 27
F.2 Apparatus ... 27
F.3 Procedure ... 28
F.3.1 Preparation of the specimens ... 28
F.3.2 Method ... 29
Annex G (normative) Test for lateral strength of slide fastener ... 31
G.1 Principle ... 31
G.2 Apparatus ... 31
G.2.1 Constant rate of extension tensile testing machine ... 31
G.2.2 Jaws ... 31
G.3 Procedure ... 31
Annex H (normative) Test for lateral strength of open-end attachment ... 32
H.1 Principle ... 32
H.2 Apparatus ... 32
H.2.1 Constant rate of extension tensile testing machine ... 32
H.2.2 Jaws ... 32
H.3 Procedure ... 32
Annex I (normative) Test for strength of slider locking device ... 33
I.1 Principle ... 33
I.2 Apparatus ... 33
I.2.1 Constant rate of extension tensile testing machine ... 33
I.2.2 Jaws ... 33
I.3 Procedure ... 33
Annex J (normative) Test for open-end slide fastener single stringer slider retention ... 34
J.1 Principle ... 34
J.2 Apparatus ... 34

This is a free page sample. Access the full version online.

J.2.1 Constant rate of tension tensile testing machine 34
J.2.2 Jaws 34
J.3 Procedure 34
Annex K (normative) Torque test 35
K.1 Principle 35
K.2 Apparatus 35
K.3 Procedure 36
K.3.1 Preparation of the specimens 36
K.3.2 Method 36
K.4 Test to failure method for quality control 36
Annex L (informative) Sampling procedures for bulk quantities of slide fasteners 38
L.1 General 38
L.2 Guidance on interpretation of results for acceptance purposes 38
L.3 Guide to changing from normal to tightened test procedures 38
Annex M (informative) End-uses and recommended performance codes for labelling purposes 39
Bibliography 40

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European foreword

This document (EN 16732:2015) has been prepared by 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 June 2016, and conflicting national standards shall be withdrawn at the latest by June 2016.

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

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Introduction

The different types of slide fasteners are defined by the material of the elements (teeth), which form their slide fastener chains. They can be of metallic, moulded plastic or monofilament plastic construction.

Metallic elements can be produced from flat or profiled wire and are usually clamped around the edge of a beaded tape. An alternative approach is to cast metallic elements directly onto such a tape. Similarly, plastic elements can be moulded onto a beaded tape. Such cast or moulded elements might have projections on which the slider operates to reduce abrasion of the tape.

Plastic coil slide fasteners have polyamide or polyester monofilaments that are wound into coils to form engaging elements. The coils can be attached to the face of flat tapes by sewing. Alternatively, the coils can be woven or knitted into the tapes as they are constructed. Monofilament plastic elements can also be of the meander type, which straddle the tape edge.

Typical slide fastener chain types are shown in Figure 1.

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1 Scope

This European Standard specifies performance levels and test methods for the following characteristics of slide fasteners made from interlocking components mounted on tapes: strengths of puller attachment, closed-end, top stop, open-end slide fastener box, reciprocating mechanism, closed slide fastener when extended laterally, open-end attachment when extended laterally, slider locking device, and open-end slide fastener single stringer slider retention and slider resistance to torque.

NOTE The tests specified in Annexes B to K have been specifically devised to permit their direct application to finished slide fasteners with a view to giving the user reasonable assurance that a slide fastener conforming to the requirements of this standard can satisfactorily fulfil its intended purpose. Annex L gives information about sampling procedures for bulk quantities of slide fasteners.

In addition, performance levels are also specified for colour fastness to washing, dry cleaning and water, and for dimensional stability to washing and dry cleaning.

This European Standard is applicable to slide fasteners for general use and is not applicable to slide fasteners for specialist purposes (for example: pressure sealed slide fasteners for diving suits).

2 Normative references

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

EN 20105-A02, *Textiles - Tests for colour fastness - Part A02: Grey scale for assessing change in colour (ISO 105-A02)*

EN 20105-A03, *Textiles - Tests for colour fastness - Part A03: Grey scale for assessing staining (ISO 105-A03)*

EN ISO 105-C06, *Textiles - Tests for colour fastness - Part C06: Colour fastness to domestic and commercial laundering (ISO 105-C06)*

EN ISO 105-D01, *Textiles - Tests for colour fastness - Part D01: Colour fastness to dry cleaning using perchloroethylene solvent (ISO 105-D01)*

EN ISO 105-E01, *Textiles - Tests for colour fastness - Part E01: Colour fastness to water (ISO 105-E01)*

EN ISO 139, *Textiles - Standard atmospheres for conditioning and testing (ISO 139)*

EN ISO 3175-2, *Textiles - Professional care, drycleaning and wetcleaning of fabrics and garments - Part 2: Procedure for testing performance when cleaning and finishing using tetrachloroethene (ISO 3175-2)*

EN ISO 5077, *Textiles - Determination of dimensional change in washing and drying (ISO 5077)*

EN ISO 6330, *Textiles - Domestic washing and drying procedures for textile testing (ISO 6330)*

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