
Aeronavtika - Dodatki za okrogle in pravokotne električne in optične konektorje - 016. del: Tesnilna matica, tip A, samozapiralna in nesamozapiralna za EN 3645 - Standard za proizvod

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 016: Grommet nut, style A, self-locking and non self-locking - Product standard

Luft- und Raumfahrt - Endgehäuse für elektrische und optische Rund und Rechteck steckverbinder - Teil 016: Dichtungsmutter, Bauform A, selbstsichernd und nicht selbstsichernd für EN 3645 - Produktnorm

Serie spatiale - Accessoires arriere pour connecteurs circulaires et rectangulaires electriques et optiques - Partie 016: Ecrou serre-fils, type A, auto-freinant et non auto-freinant pour EN 3645 - Norme de produit

Ta slovenski standard je istoveten z: EN 3660-016:2009

ICS:

49.060

Letalska in vesoljska
električna oprema in sistemi

Aerospace electric
equipment and systems

SIST EN 3660-016:2009

en

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EUROPEAN STANDARD
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EN 3660-016

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ICS 49.060

English Version

Aerospace series - Cable outlet accessories for circular and rectangular electrical and optical connectors - Part 016: Grommet nut, style A, self-locking and non self-locking for EN 3645 - Product standard

Série aéronautique - Accessoires arrière pour connecteurs circulaires et rectangulaires électriques et optiques - Partie 016: Écrou serre-fils, type A, auto-freinant et non auto-freinant pour EN 3645 - Norme de produit

Luft- und Raumfahrt - Endgehäuse für elektrische und optische Rund und Rechteck steckverbinder - Teil 016: Dichtungsmutter, Bauform A, selbstsichernd und nicht selbstsichernd für EN 3645 - Produktnorm

This European Standard was approved by CEN on 27 June 2009.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN Management Centre has the same status as the official versions.

SIST EN 3660-016:2009

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 3660-016:2009) has been prepared by the Aerospace and Defence Industries Association of Europe - Standardization (ASD-STAN).

After enquiries and votes carried out in accordance with the rules of this Association, this Standard has received the approval of the National Associations and the Official Services of the member countries of ASD, prior to its presentation to CEN.

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 2010, and conflicting national standards shall be withdrawn at the latest by March 2010.

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.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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EN 3660-016:2009 (E)**1 Scope**

This product standard defines a range of grommet nuts, style A, for use under the following conditions:

Associated electrical connector(s)	:	EN 3660-002
Temperature range,	Class N	: – 65 °C to 200 °C
	Class W	: – 65 °C to 175 °C

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 2591-100*, *Aerospace series — Elements of electrical and optical connection — Test methods — Part 100: General*

EN 3660-001, *Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 001: Technical specification*

EN 3660-002, *Aerospace series — Cable outlet accessories for circular and rectangular electrical and optical connectors — Part 002: Index of product standards*

SAE AS-85049, *Connector accessories, electrical general specification for*¹⁾

3 Terms and definitions

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For the purposes of this document, the terms and definitions given in EN 3660-001 apply.

4 Characteristics**4.1 Variant N: Non self-locking version****4.1.1 Dimensions and mass**

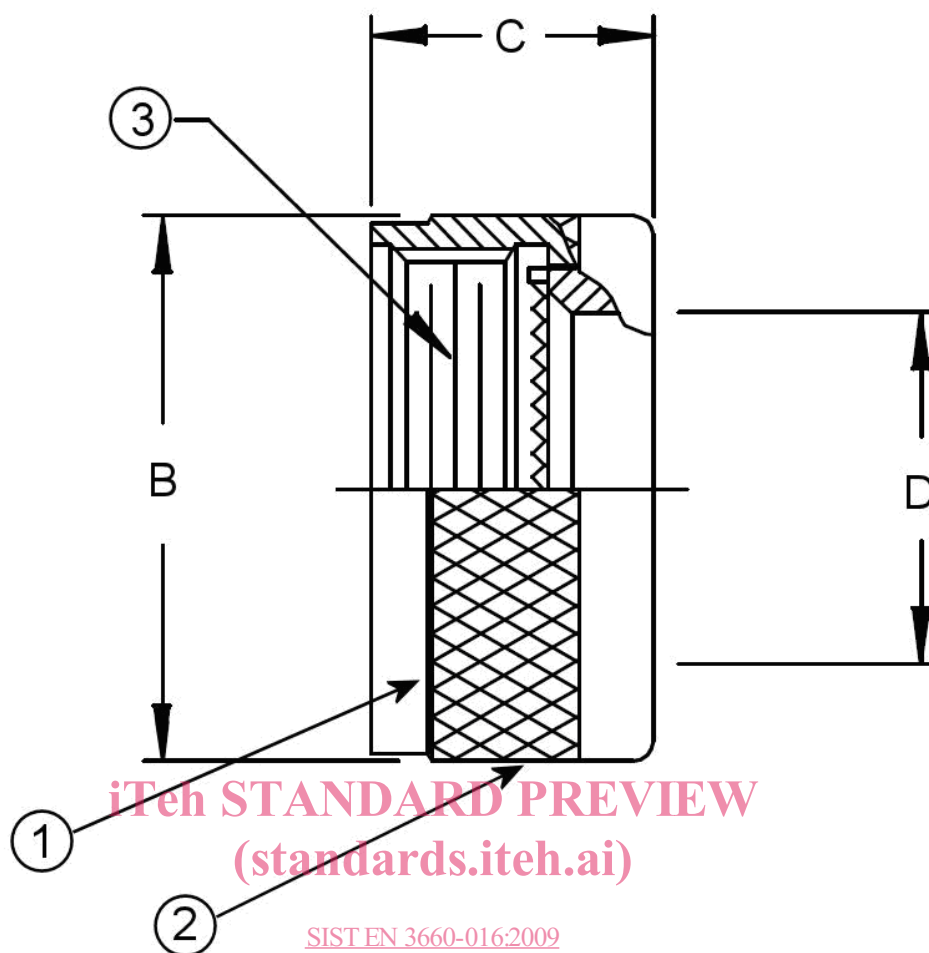
For dimensions and mass, see Figure 1 and Table 1.

For interface dimensions, see 4.3.

All dimensions are in millimetres.

* All its parts quoted in this standard.

1) Published by: Society of Automotive Engineers, Inc. (SAE), 400 Commonwealth Drive, Warrendale, PA 15096-0001.

**Key**

- ① Marking (see Clause 6)
- ② Knurled, manufacturers option
- ③ *A* Thread

Figure 1**Table 1**

Dimensions in millimetres

Shell size	<i>A</i> Thread Class 6H	<i>B</i> max.	<i>C</i> max.	<i>D</i> Nom.	Mass max. g
09	M12 × 1	19,6	18,0	6,9	3,2
11	M15 × 1	20,8		9,5	4,0
13	M18 × 1	23,9		13,0	5,1
15	M22 × 1	26,2		14,9	6,0
17	M25 × 1	30,7		18,0	6,8
19	M28 × 1	34,5		20,0	8,8
21	M31 × 1	37,6		23,2	9,8
23	M34 × 1	40,6		26,4	11,4
25	M37 × 1	43,2		29,3	12,7

EN 3660-016:2009 (E)

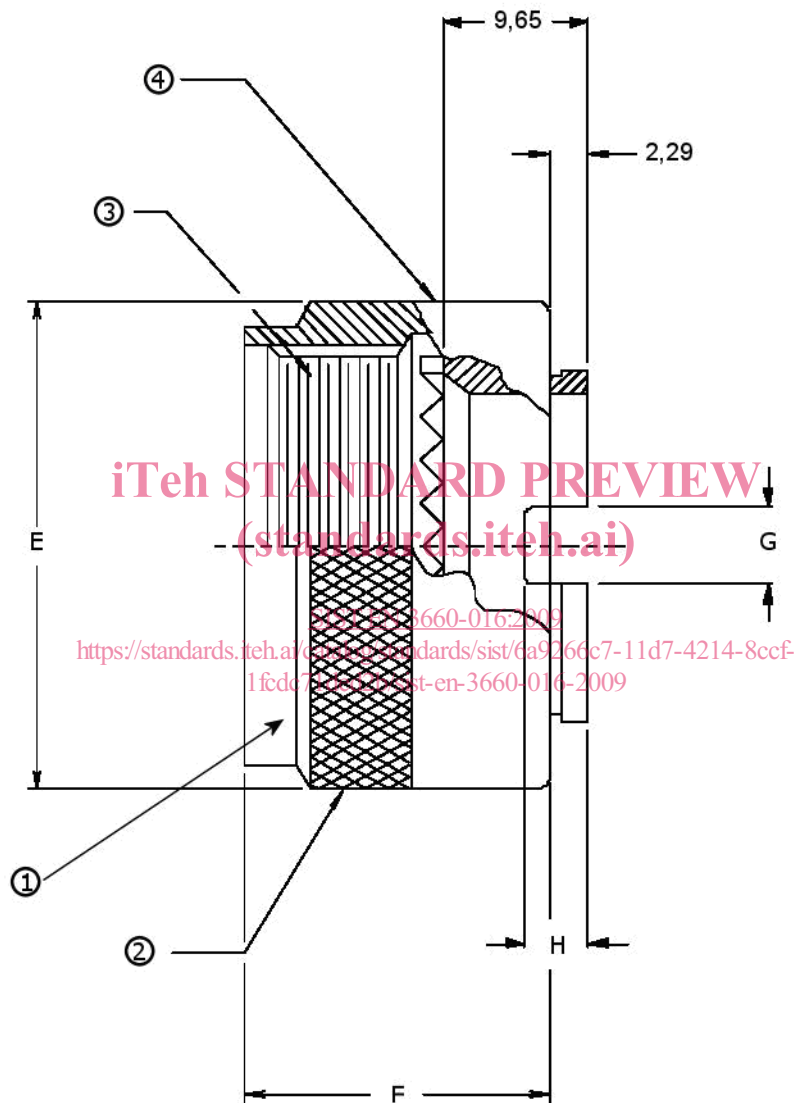
4.2 Variant S: Self-locking version

4.2.1 Dimensions and mass

For dimensions and mass, see Figure 2 and Table 2.

For interface dimensions, see 4.3.

All dimensions are in millimetres.



Key

- ① Marking, see Clause 6.
- ② Knurled, manufacturers option
- ③ A Thread
- ④ Self-locking mechanism

Figure 2

Table 2

Dimensions in millimetres

Shell size	<i>A</i> Thread Class 6H	<i>E</i> max.	<i>F</i> max.	<i>G</i> ± 0,38	<i>H</i> ± 0,38	Mass max. g	
09	M12 × 1	21,8	17,0	3,43	3,43	3,5	
11	M15 × 1	25,0				4,3	
13	M18 × 1	29,3				5,4	
15	M22 × 1	32,5				6,2	
17	M25 × 1	35,7		5,03	5,03	6,9	
19	M28 × 1	38,5				9,1	
21	M31 × 1	41,7		6,60		10,1	
23	M34 × 1	44,9				11,7	
25	M37 × 1	48,0				13,0	

4.3 Interface dimensions

4.3.1 Associated connection

See EN 3660-002, Figure 3 and Table 3.

All dimensions are in millimetres.

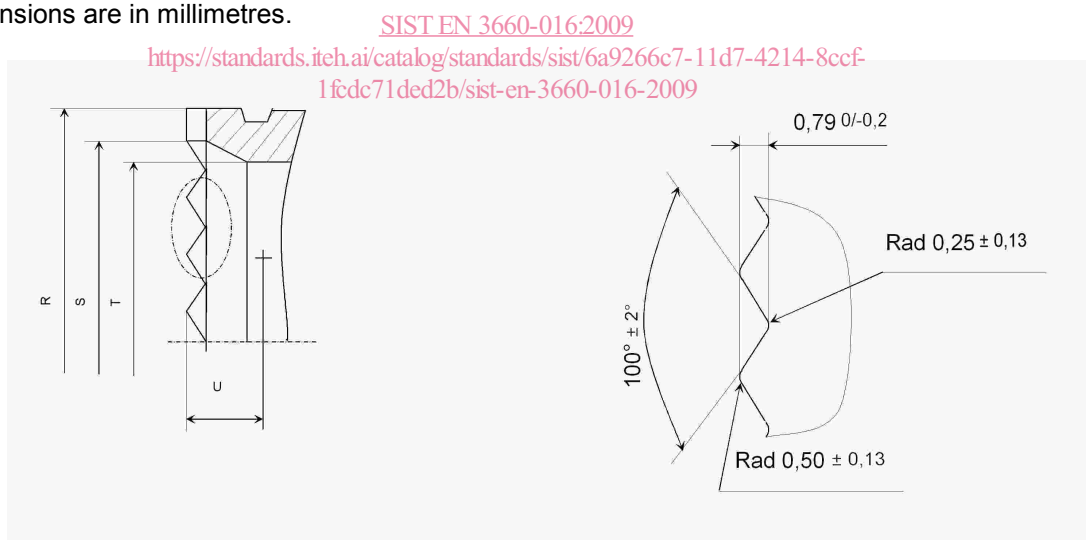


Figure 3