



SLOVENSKI STANDARD

SIST EN 2328:2009

01-april-2009

BUXca Yý U

SIST EN 2328:2001

SIST EN 2328:2001/AC1:2001

Aeronavtika - Podložke z zavihkom, iz korozijsko odpornega jekla, s kadmijevo prevleko, za kontrolne palice pri krmiljenju - Mere

Aerospace series - Washers, tab in corrosion resisting steel, cadmium plated for flight control rods - Dimensions

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Luft- und Raumfahrt - Sicherungsbleche aus korrosionsbeständigem Stahl, verkadmet, für Bediengestänge von Flugsteuerungen - Maße

[SIST EN 2328:2009](https://standards.itih.ai/catalog/standards/sist/0b0f8601-170f-46b7-824c-a5c49e016a25/sist-en-2328-2009)

Série aérospatiale - Freins d'écrous en acier résistant à la corrosion cadmiés, pour bielles de commandes de vol - Dimensions

Ta slovenski standard je istoveten z: EN 2328:2006

ICS:

49.030.50	Podložke in drugi blokirni elementi	Washers and other locking elements
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en,de

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 2328

May 2006

ICS 49.030.50

Supersedes EN 2328:1988

English Version

Aerospace series - Washers, tab in corrosion resisting steel, cadmium plated for flight control rods - Dimensions

Série aérospatiale - Freins d'écrous en acier résistant à la
corrosion cadmiés, pour bielles de commandes de vol -
Dimensions

Luft- und Raumfahrt - Sicherungsbleche aus
korrosionsbeständigem Stahl, verkadmet für
Bediengestänge von Flugsteuerungen - Maße

This European Standard was approved by CEN on 26 October 2005.

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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, 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 United Kingdom.

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

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Foreword

This European Standard (EN 2328:2006) has been prepared by the European Association of Aerospace Manufacturers - Standardization (AECMA-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 AECMA, 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 November 2006, and conflicting national standards shall be withdrawn at the latest by November 2006.

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.

This European Standard supersedes EN 2328:1988.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, 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 2328:2006 (E)**1 Scope**

This standard specifies the characteristics of tab washers for flight control rods.

These tab washers are intended to immobilise the rod end in relation to the rod body, whilst allowing a positional adjustment of 1/2 a turn.

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.

ISO 3574:1999, *Cold-reduced carbon steel sheet of commercial and drawing qualities.*

EN 2133, *Aerospace series – Cadmium plating of steels with specified tensile strength $\leq 1\,450$ MPa, copper, copper alloys and nickel alloys.*

EN 9133, *Aerospace series — Quality management systems — Qualification procedure for aerospace standard parts.*

3 Required characteristics

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3.1 Dimensions – Mass

Configuration shall correspond with Figure 1. [SIST EN 2328:2009](https://standards.iteh.ai/catalog/standards/sist/0b0f0601-170f-46b7-824c-45c49c016a23/sist-en-2328-2009)

The dimensions and masses shall conform with values quoted in Table 1.
<https://standards.iteh.ai/catalog/standards/sist/0b0f0601-170f-46b7-824c-45c49c016a23/sist-en-2328-2009>

Dimensions apply after cadmium plating.

3.2 Surface roughness

$R_a = 3,2 \mu\text{m}$. This value applies prior to cadmium plating.

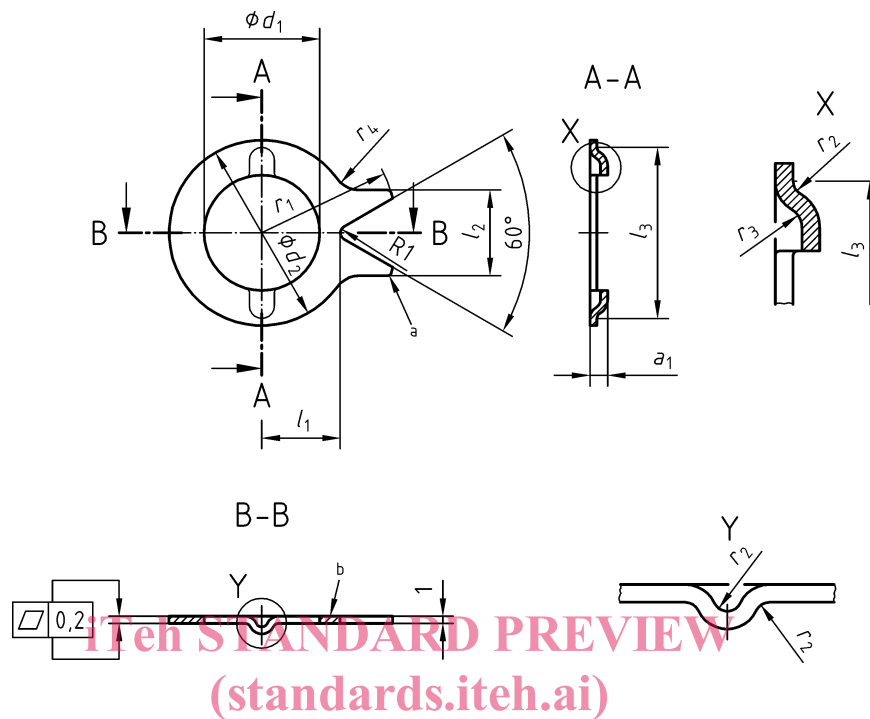
3.3 Material

Carbon steel CR2 according to ISO 3574. $R_m \geq 370$ MPa

3.4 Surface treatment

Cadmium plated according to EN 2133, 10 μm to 20 μm .

Dimensions in millimetres



a Optional radius

b Identification mark

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Figure 1

Table 1

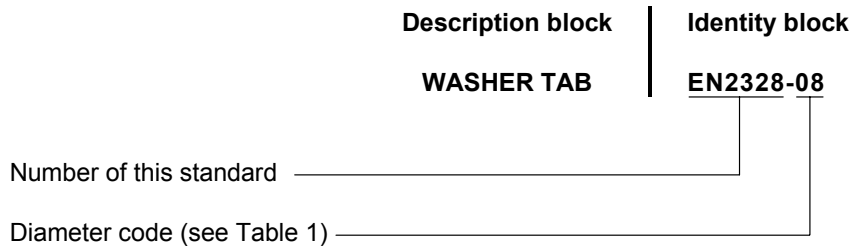
Dimensions in millimetres

Diameter code	d_1 +0,1 0	d_2 +0,5 0	a_1 $\pm 0,25$	l_1 $\pm 0,25$	l_2 $\pm 0,25$	l_3 $\pm 0,25$	r_1 $\pm 0,5$	r_2 $\pm 0,25$	r_3 $\pm 0,25$	r_4 $\pm 0,5$	Mass g \approx
08	8,2	16	1,8	6	8	14	10,5	0,6	1,0	1,5	1,0
10	10,2	18	2,5	8	10	16	13	0,8	1,2	1,5	1,6
12	12,2	21		9	11	19	16				2,0
14	14,2	24		10	12	21	17			2,4	
16	16,2	26		11		24	19			4	2,7

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4 Designation

EXAMPLE



NOTE If necessary, the code I9005 shall be placed between description block and identity block.

5 Marking

In addition to the manufacturer's own marking, each tab washer and its packaging shall be marked, using the identity block as defined in Clause 4 of this standard.

The marking position and method are at the manufacturer's option. The marking, when it is possible, shall be indelible and shall not impair the characteristics of the tab washer.

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6 Qualification

According to EN 9133.

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