



SLOVENSKI STANDARD SIST EN 3903:2017

01-maj-2017

Aeronavtika - Podložke, večplastne, iz korozijsko odpornega jekla

Aerospace series - Washers, laminated, in corrosion resisting steel

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Ta slovenski standard je istoveten z: EN 3903:2017

[SIST EN 3903:2017](https://standards.iteh.ai/catalog/standards/sist/5b3368b3-cdf3-431a-9dec-cf80b09bc4f4/sist-en-3903-2017)

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ICS:

49.025.10	Jekla	Steels
49.030.50	Podložke in drugi blokirni elementi	Washers and other locking elements

SIST EN 3903:2017

en,fr,de

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EUROPEAN STANDARD

EN 3903

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2017

ICS 49.030.50

English Version

Aerospace series - Washers, laminated, in corrosion resisting steel

Série Aéronautique - Rondelles pelables, en acier
résistant à la corrosion

Luft- und Raumfahrt - Scheiben aus Schichtblech aus
korrosionsbeständigem Stahl

This European Standard was approved by CEN on 11 March 2016.

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-CENELEC 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-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

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European foreword

This document (EN 3903:2017) 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 September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

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, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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EN 3903:2017 (E)**1 Scope**

This European Standard specifies the characteristics of laminated washers, in corrosion resisting steel, for maximum operating temperature 120 °C, for aerospace applications.

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 2424, *Aerospace series — Marking of aerospace products*

EN 9100, *Aerospace series — Quality Management Systems — Requirements for Aviation, Space and Defence Organizations*

3 Required characteristics**3.1 Configuration – Dimensions – Masses**

See Figure 1 and Table 1. Dimensions and tolerances are in millimetres.

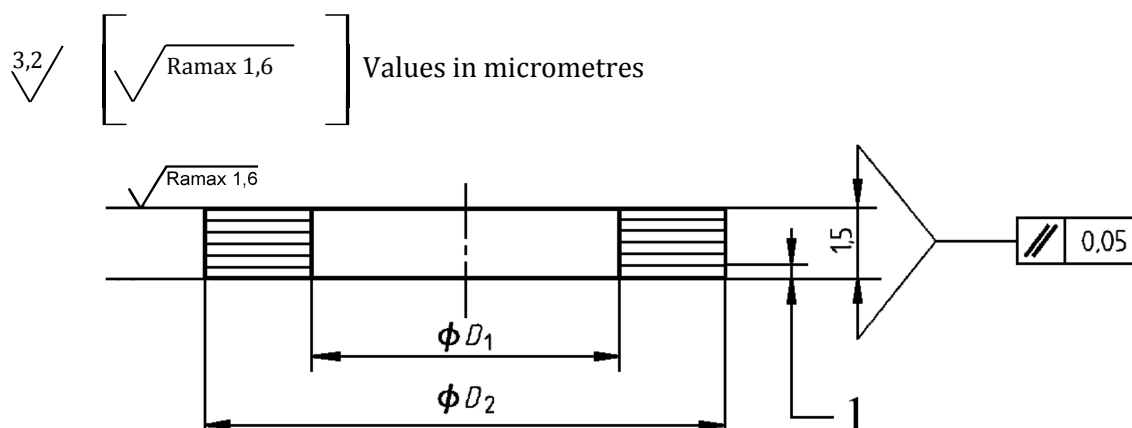
3.2 Material

Austenitic corrosion resistant steel $R_m \geq 440$ MPa

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**Key**

- 1 Shim thickness: 0.025 (code A)
0.05 (code B)

Figure 1

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Table 1

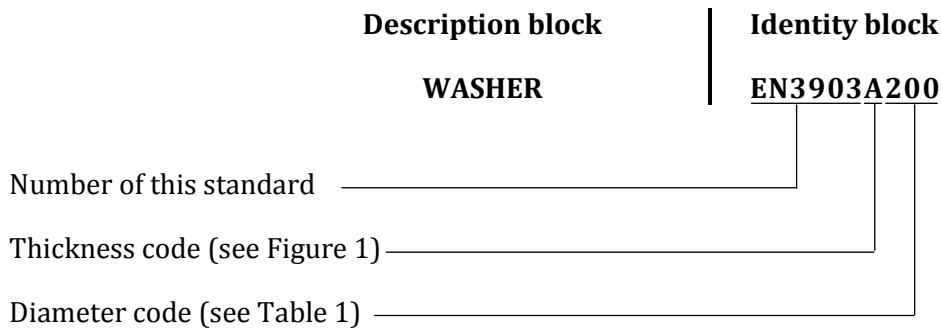
Diameter code	D_1		Tol.	Mass ^a
	H13	Nom.		
030	3,2	6	0 - 0,3	0,25
040	4,3	8	0 - 0,4	0,45
050	5,5	10		0,69
060	6,5	11		0,78
070	7,5	14		1,18
080	8,5	15		1,45
100	10,5	18		2,11
120	12,5	21		0 - 0,5
140	14,5	24	3,61	
160	16,5	27	4,50	
180	18,5	30	5,50	
200	20,5	33	6,59	
220	22,5	36	7,79	
240	24,5	38	8,32	
270	27,5	42	9,94	
300	30,5	45	10,8	

^a Approximate values (kg/1 000 pieces), calculated on the basis of 7,85 kg/dm³, for information purposes only

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4 Designation

EXAMPLE



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

5 Marking

EN 2424, style G

6 Quality assurance

EN 9100

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