



**SLOVENSKI STANDARD**  
**SIST EN 2914:2001**  
**01-januar-2001**

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**Aerospace series - Washers, flat, large diameter, in heat resisting steel, passivated**

Aerospace series - Washers, flat, large diameter, in heat resisting steel, passivated

Luft- und Raumfahrt - Scheiben, flach, großer Außendurchmesser, aus hochwarmfestem Stahl, passiviert

Série aérospatiale - Rondelles plates larges, en acier résistant a chaud, passivées

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**Ta slovenski standard je istoveten z: EN 2914:1996**

SIST EN 2914:2001  
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**ICS:**

49.030.50	Podložke in drugi blokirni elementi	Washers and other locking elements
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**SIST EN 2914:2001**

**en**

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EUROPEAN STANDARD

EN 2914

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 1996

ICS 49.040.20

Descriptors: aircraft industry, washer, plain washer, heat resistant steel, dimension, designation

English version

**Aerospace series - Washers, flat, large diameter,  
in heat resisting steel, passivated**Série aérospatiale - Rondelles plates larges,  
en acier résistant à chaud, passivéesLuft- und Raumfahrt - Scheiben, flach, großer  
Außendurchmesser, aus hochwarmfestem Stahl,  
passiviert**(standards.iteh.ai)**

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This European Standard was approved by CEN on 1995-08-31. 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.

The European Standards exist 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CEN**European Committee for Standardization  
Comité Européen de Normalisation  
Europäisches Komitee für Normung

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

**Foreword**

This European Standard has been prepared by the European Association of Aerospace Manufacturers (AECMA).

After inquiries and votes carried out in accordance with the rules of this Association, this Standard has successively received the approval of the National Associations and the Official Services of the members 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 September 1996, and conflicting national standards shall be withdrawn at the latest by September 1996.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom

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ALTERNATIVE CITATION FOR  
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.....TABLE  
.....



## 1 Scope

This standard specifies the characteristics of flat washers, large diameter, in heat resisting steel, passivated, for maximum operating temperature 650 °C, for aerospace applications.

## 2 Normative references

This European Standard incorporates by dated or undated reference provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

- EN 2000 Aerospace series - Quality assurance - EN aerospace products - Approval of the quality system of manufacturers
- EN 2171 Heat resisting steel FE-PA92-HT -  $R_m \geq 900$  MPa - Bars - Aerospace series <sup>1)</sup>
- EN 2175 Heat resisting steel FE-PA93-HT - Solution treated and precipitation treated - Sheets and strips  $a \leq 3$  mm - Aerospace series <sup>1)</sup>
- EN 2424 Aerospace series - Marking of aerospace products
- EN 2516 Aerospace series - Passivation of corrosion resistant steels and decontamination of nickel base alloys <sup>1)</sup>

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## 3 Required characteristics

### 3.1 Configuration - Dimensions - Masses

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See figure 1 and table 1. Dimensions and tolerances are expressed in millimetres and apply after surface treatment.

### 3.2 Materials

EN 2171 or EN 2175

### 3.3 Surface treatment

EN 2516

1) Published as AECMA Standard at the date of publication of this standard

6,3 /  $\left[ \begin{array}{c} \checkmark \\ 3,2 / \end{array} \right]$  Values in micrometres apply prior to surface treatment.

Remove sharp edges 0,1 to 0,2

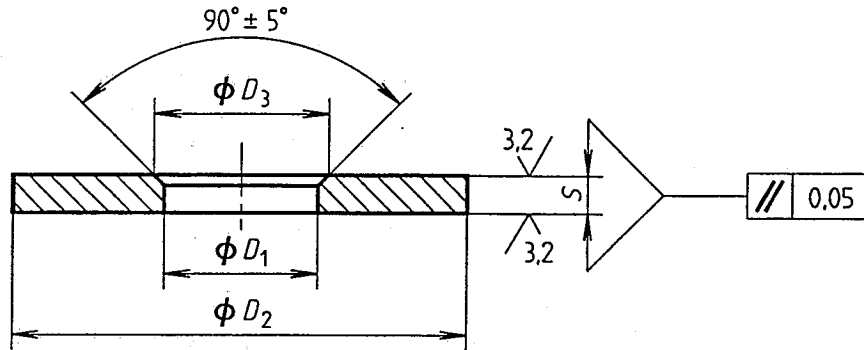


Figure 1

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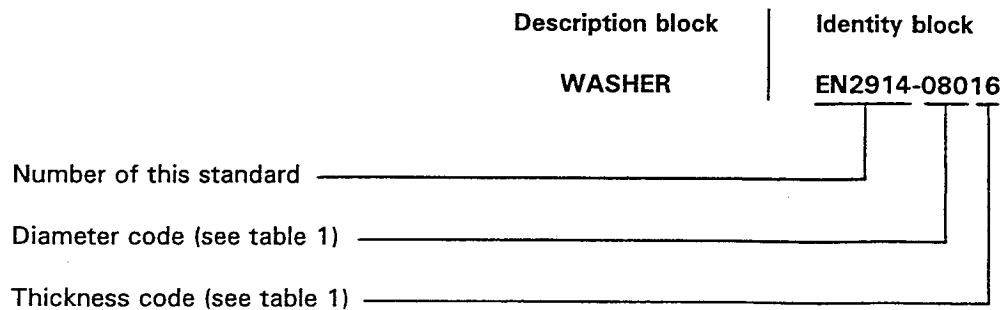
Diameter code	$D_1$ H13	$D_2$ h14	SIST EN 2914:2001		Thickness code	$S$ $\pm 10\%$ 1)	Mass 2)
			$D_3$ nom.	Tol.			
030	3,2	9	3,8	+ 0,1 0	06	0,6	0,26
					10	1	0,44
040	4,2	12	4,8		06	0,6	0,47
					10	1	0,78
050	5,2	15	6		10	1	1,22
					16	1,6	1,95
060	6,2	18	7,4	+ 0,2 0	12	1,2	2,11
					16	1,6	2,81
070	7,2	21	8,4		12	1,2	2,78
					16	1,6	3,71
080	8,2	24	9,4		16	1,6	5,02
					25	2,5	7,85
100	10,2	30	11,6	+ 0,3 0	20	2	9,81
					25	2,5	12,3
120	12,2	36	13,8		20	2	14,1
					25	2,5	17,7

1) Includes also the flatness tolerance.

2) Approximate values (kg/1 000 pieces), calculated on the basis of 7,85 kg/dm<sup>3</sup>, given for information purposes only

## 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

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## 6 Quality assurance

EN 2000

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