

BS EN 3903:2017



BSI Standards Publication

Aerospace series — Washers, laminated, in corrosion resisting steel

National foreword

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The UK participation in its preparation was entrusted to Technical Committee ACE/12, Aerospace fasteners and fastening systems.

A list of organizations represented on this committee can be obtained on request to its secretary.

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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 corrosionLuft- und Raumfahrt - Scheiben aus Schichtblech aus
korrosionsbeständigem Stahl

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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of an identical text or by endorsement, at the latest by September 2017, and conflicting national standards shall be withdrawn at the latest by September 2017.

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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*

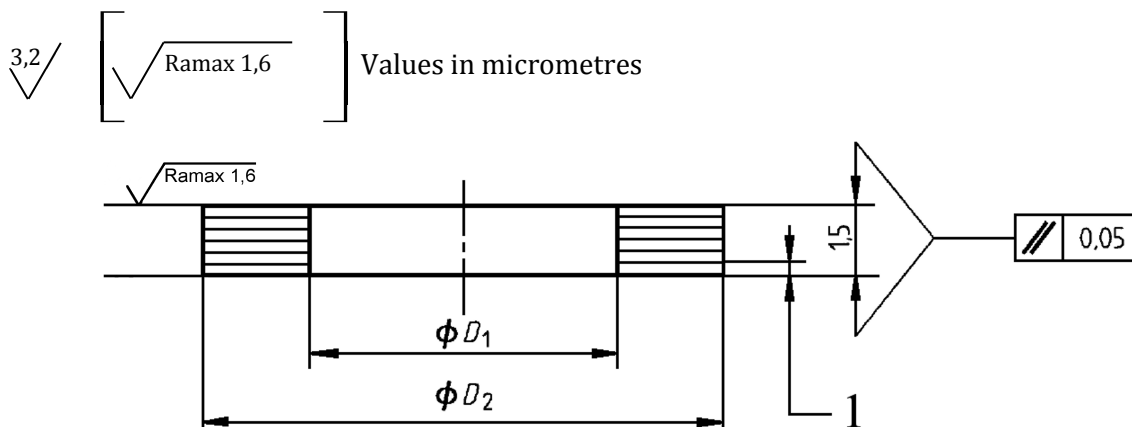
3 Required characteristics

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



Key

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

Figure 1

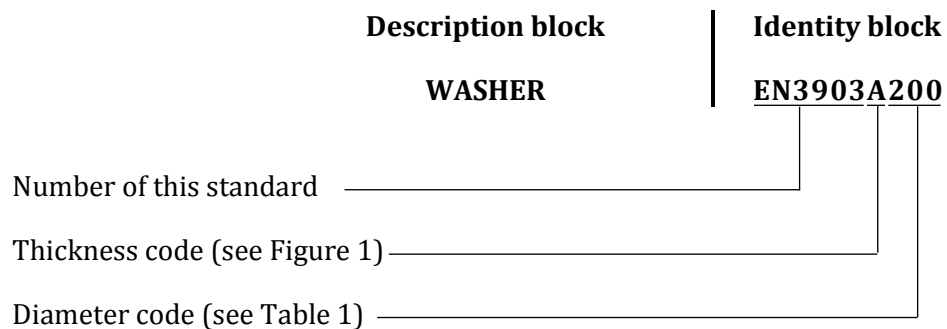
Table 1

Diameter code	D_1 H13	D_2		Mass ^a
		Nom.	Tol.	
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	2,81
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

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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