



SLOVENSKI STANDARD
SIST EN 2367:2001
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Aerospace series - Split pins in steel EN 2573

Aerospace series - Split pins in steel EN 2573

Luft- und Raumfahrt - Splinte aus Stahl EN 2573

Série aérospatiale - Goupilles fendues en acier EN 2573

Ta slovenski standard je istoveten z: EN 2367:1989

[SIST EN 2367:2001](https://standards.iteh.ai/catalog/standards/sist/c8e09d93-1afd-46e7-8670-819a220ac545/sist-en-2367-2001)

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ICS:

49.030.40 Zatiči, žablji Pins, nails

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EUROPEAN STANDARD
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EN 2367

March 1989

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Key words : Aircraft industry - Split pins - Steels - Specifications, dimensions, designation

English version

**Aerospace series
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**Série aéronautique
Goupilles fendues en acier EN 2573**

**Luft- und Raumfahrt
Splinte aus Stahl EN 2573**

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This European Standard was accepted by CEN on 1988-05-26. CEN members are bound to comply with the requirements of CEN 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 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 CEN Central Secretariat has the same status as the official versions.

CEN members are the national standards organizations 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 Bréderode 2, B—1000 Bruxelles

Brief history

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

After enquiries 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 member countries of AECMA, prior to its presentation to CEN.

According to the Common CEN/CENELEC Rules, 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 the United Kingdom.

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Foreword

This standard is based on ISO 1234, supplemented by information about material, methods of test or inspection, marking and the designation.

The chosen split pin dimensions conform to ISO 1234, dimensions A min. and R max. have been added.

The diameter code is based on the maximum split pin diameter D max. Whereas ISO 1234 shows nominal size = diameter of split pin hole.

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1 Scope and field of application

This standard specifies the characteristics of steel EN 2573 split pins passivated, for use in aerospace applications at a maximum temperature of 600 °C.

2 References

EN 2424, Aerospace series - Identification marking of standard fasteners

EN 2516, Aerospace series - Passivation of corrosion resisting steels 1)

EN 2573, Aerospace series - Steel FE-PA13 - Softened and lightly drawn - Wire
0,25 mm \leq De \leq 5 mm 1)

3 Required characteristics

3.1 Configuration - Dimensions - Tolerances

The configuration shall correspond with the figure, however, the form of eyelet and ends are at manufacturer's option. Dimensions and tolerances shall correspond to the figure and table 1.

3.2 Material

Steel EN 2573.

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3.3 Surface treatment

Passivation EN 2516.

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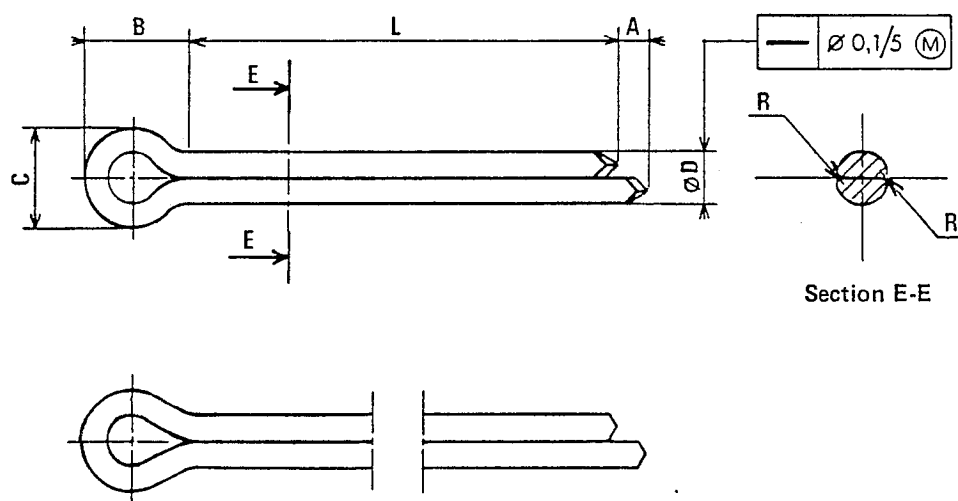


Figure - Configuration

1) In preparation.

Table 1 : Dimensions - Tolerances - Masses

Dimensions in millimetres

Diameter	Code		07	10	14	18	23	29	37	46
	D	max.		0,7	1,0	1,4	1,8	2,3	2,9	3,7
min.			0,6	0,9	1,3	1,7	2,1	2,7	3,5	4,4
A	max.		1,6	2,5	2,5	2,5	2,5	3,2	4	4
	min.		0,8	1,25	1,25	1,25	1,25	1,6	2	2
B 1)	≈		2,4	3	3,2	4	5	6,4	8	10
C	max.		1,4	2	2,8	3,6	4,6	5,8	7,4	9,2
	min.		1,2	1,7	2,4	3,2	4	5,1	6,5	8
R 2)	max.		0,05	0,10	0,15	0,15	0,20	0,25	0,30	0,40
Length code	L	Tolerances	Mass 3) kg/1000 pieces ≈							
005	5	± 1	0,021							
006	6		0,024							
008	8		0,030	0,067	0,13					
010	10		0,036	0,079	0,16	0,28				
012	12		0,042	0,092	0,18	0,32	0,55			
014	14		0,048	0,10	0,21	0,36	0,62	1,05		
016	16		0,054	0,12	0,23	0,39	0,68	1,15		
018	18		0,13	0,25	0,44	0,75	1,26	2,18		
020	20		0,14	0,28	0,48	0,81	1,36	2,35		
022	22		0,15	0,30	0,52	0,88	1,46	2,51	4,16	
025	25		0,17	0,34	0,57	0,97	1,62	2,76	4,55	
028	28		0,37	0,63	1,07	1,77	3,02	4,94		
032	32		0,42	0,71	1,20	1,98	3,35	5,46		
036	36		0,79	1,33	2,18	3,69	5,98			
040	40		0,87	1,46	2,38	4,02	6,50			
045	45		1,62	2,65	4,44	7,15				
050	50		1,78	2,90	4,86	7,80				
056	56		3,21	5,32	8,58					
063	63		3,57	5,95	9,49					
071	71	6,62	10,5							
080	80	7,37	11,7							
090	90									
100	100									
										14,3

1) Dimension B is measured from the bearing surface of the hole to the end of the eyelet.

2) Angle broken during wire drawing.

3) Calculated on the basis of 7,9 kg/dm³.

4 Methods of test or inspection

4.1 Acceptance requirements

4.1.1. Bend tests

Bend each leg through an angle of 90° near the centre of its length and in the normal direction of opening the split pin. The bend shall have a radius of not more than $0,5 D_{max}$. After two bending operations of each leg the pin shall show no crack. These tests are to be done on $0,1 \%$ of each batch produced.

The production lot is defined as follows :

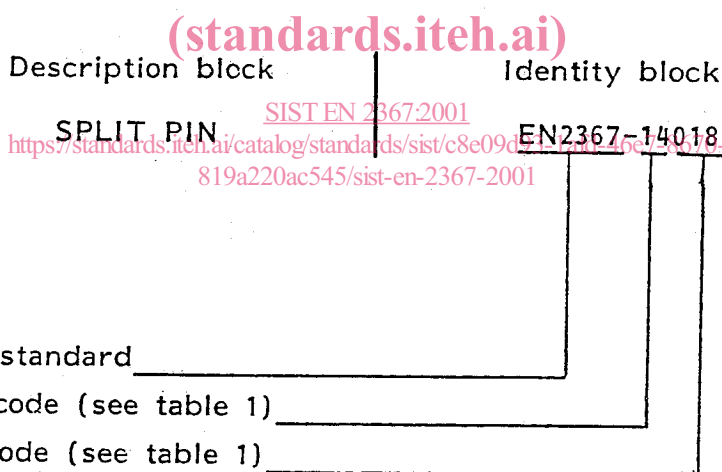
The production lot shall consist of finished split pins of the same basic part number and diameter formed by the same process from a single material cast produced as one continuous run.

4.1.2. Appearance

Ends shall be free from sharp edges. The two legs closed to each other shall form a circular cross section. The eyelet shall be formed by a radius with the body of the split pin, but an indentation may be accepted if it forms no sharp angle at the root and if the reduction of thickness of the leg is not more than 5% D_{max} . The split pins shall be free from cracks and any other defects.

5 Designation

Each split pin shall only be designated as in the following example :



Note : If necessary the originator code S9005 may be introduced between the description block and the identity block.

6 Marking

EN 2424, style G.

In addition, the quantity shall be introduced (mass or number).