



**SLOVENSKI STANDARD**  
**SIST EN 2364:2001**  
**01-januar-2001**

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**Aerospace series - Pins, shear, headed, close tolerance**

Aerospace series - Pins, shear, headed, close tolerance

Luft- und Raumfahrt - Paßbolzen mit Kopf

Série aérospatiale - Axes lisses a tete et a tolérances serrées

**Ta slovenski standard je istoveten z: EN 2364:1989**

[SIST EN 2364:2001](https://standards.iteh.ai/catalog/standards/sist/79cbfa91-eb58-49f0-85bc-0c0be1107e34/sist-en-2364-2001)

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**ICS:**

49.030.40      Zatiči, žebliji      Pins, nails

**SIST EN 2364:2001**      **en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 2364**

March 1989

UDC : 621.882.6-034.14 : 629.7

Key words : Aircraft industry - Pins - Tolerance - Specifications - Designation - Dimensions

**English version**

**Aerospace series  
Pins, shear,  
headed, close tolerance**

**Série aéronautique  
Axes lisses  
à tête et à tolérances serrées**

**Luft- und Raumfahrt  
Paßbolzen  
mit Kopf**

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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, Luxemburg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

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1999 -16-

AL. IREVO IO ANI JBU 939  
 TROSO NI TROHME OUTLOE AS OUTTOMIA  
 UJOLICUM NI OJONIMINOLE ES SP DMO  
 ANALLSULLI  
 .....  
 PRESENT BY METHOD INVENTIVE

## 1 Scope and field of application

This standard specifies the characteristics of close tolerance headed shear pins in steel : cadmium plated, for use in aerospace at temperatures below 235 °C.

These shear pins are intended for use as a connecting part in conjunction with collars EN 2365 and split pins EN 2367.

## 2 References

- EN 2133, Cadmium plating of steels with maximum specified tensile strength equal to or less than 1450 MPa, and copper and copper alloys  
Aerospace series
- EN 2236, Aerospace series - Pins, shear, headed, close tolerance - Technical specification 1)
- EN 2365, Aerospace series - Collars, aluminium alloy
- EN 2367, Aerospace series - Split pins in steel EN 2573
- EN 2424, Aerospace series - Identification marking of standard fasteners
- EN 2450, Steel FE-PL73 -  $1230 \text{ MPa} \leq R_m \leq 1420 \text{ MPa}$  - Bars  $D_e \leq 40 \text{ mm}$ .  
Aerospace series
- EN 2451, Steel FE-PL73 -  $1230 \text{ MPa} \leq R_m \leq 1420 \text{ MPa}$  - Forgings  $D_e \leq 40 \text{ mm}$ .  
Aerospace series (standards.iteh.ai)

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## 3 Required characteristics

### 3.1 Configuration - Dimensions - Tolerances

Configuration shall correspond with the figure. Dimensions and tolerances shall correspond with the figure and tables 1 and 2.  
These values apply after cadmium plating.

### 3.2 Surface roughness

$R_a = 3,2 \text{ } \mu\text{m}$  except where stated otherwise.

These values apply prior to cadmium plating.

### 3.3 Material

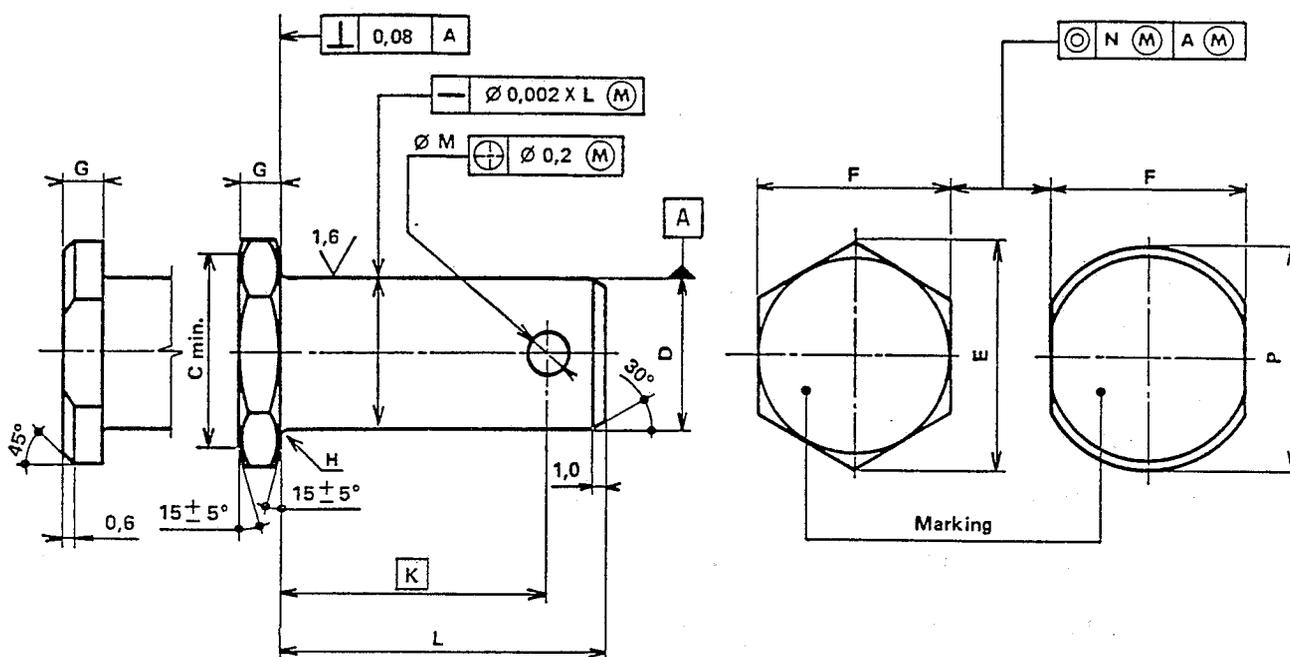
Steel EN 2450 ou EN 2451

### 3.4 Surface treatment

Cadmium plating EN 2133, 7 to 10  $\mu\text{m}$

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1) In preparation



Head form at the manufacturer's option

C min. = F min. - 0,4

Break sharp edges 0,1 to 0,4 mm

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Figure - Configuration

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Table 1 - Dimensions

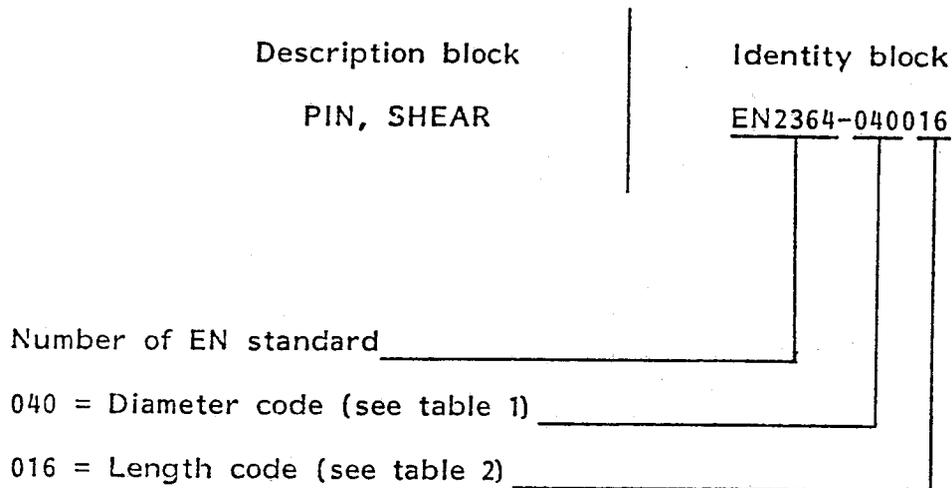
Dimensions in millimetres

Diameter code	D		E min.	F		G		H		M H13	N	P h11
	max.	min.		max.	min.	max.	min.	max.	min.			
030	2,99	2,965	5,3	5	4,88	1,8	1,6	0,3	0,2	1,1	0,15	6
040	3,99	3,965	6,5	6	5,88	2	1,8	0,3	0,2	1,5	0,2	7
050	4,99	4,965	7,6	7	6,85	2,2	2	0,3	0,2	1,9	0,25	8
060	5,99	5,965	8,7	8	7,85	2,2	2	0,3	0,2	1,9	0,3	9
070	6,987	6,962	10,9	10	9,78	2,5	2,2	0,5	0,4	2,4	0,35	11
080	7,987	7,962	12	11	10,73	2,8	2,5	0,5	0,4	2,4	0,4	12
100	9,987	9,962	14,3	13	12,73	2,8	2,5	0,5	0,4	3	0,5	13



## 4 Designation

Each 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.

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## 5 Marking

Each pin shall be marked in the positions shown in the figure in accordance with the marking style shown in table 3 as defined by EN 2424

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Diameter code	Marking style
030 to 040	D
050 to 100	A

## 6 Technical specification

Pins supplied to this standard shall conform with the requirements of EN 2236