



SLOVENSKI STANDARD
SIST EN 3151:2001
01-januar-2001

Aerospace series - Dowels, plain, in heat resisting nickel base alloy NI-P100HT (Inconel 718)

Aerospace series - Dowels, plain, in heat resisting nickel base alloy NI-P100HT (Inconel 718)

Luft- und Raumfahrt - Glatte Zylinderstifte, aus hochwarmfester Nickelbasislegierung NI-P100HT (Inconel 718)

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Série aérospatiale - Pieds de centrage lisses, en alliage résistant a chaud a base de nickel NI-P100HT (Inconel 718)

[SIST EN 3151:2001](https://standards.iteh.ai/catalog/standards/sist/8e298a10-78f8-43dd-bc26-784b2621c60c/sist-en-3151-2001)

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Ta slovenski standard je istoveten z: EN 3151:1995

ICS:

49.030.99 Drugi vezni elementi Other fasteners

SIST EN 3151:2001

en

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EUROPEAN STANDARD

EN 3151

NORME EUROPÉENNE

EUROPÄISCHE NORM

July 1995

ICS 49.040.20

Descriptors: aircraft industry, locating pin, positioning, nickel alloy, heat resistant material, characteristic, dimension, designation

English version

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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.

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CEN

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

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

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Ref. No. EN 3151:1995 E

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

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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 member 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of an identical text or by endorsement, at the latest by January 1996, and conflicting national standards shall be withdrawn at the latest by January 1996.

According to the CEN/CENELEC Internal Regulations, 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 the United Kingdom.

1 Scope

This standard specifies the characteristics of plain dowels in NI-P100HT for aerospace applications.

NOTE : Installation holes EN 3368

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 product - Approval of the quality system of manufacturers
- EN 2404 Heat resisting nickel base alloy NI-P100HT - Solution treated and precipitation treated - Bars - Aerospace series ¹⁾
- EN 2424 Aerospace series - Marking of aerospace products
- EN 3368 Aerospace series - Aerospace design standard - Holes for locating pins ²⁾

3 Required characteristics

3.1 Configuration - Dimensions - Tolerances - Masses

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See figure 1 and tables 1 and 2. Dimensions and tolerances are in millimetres.

3.2 Material

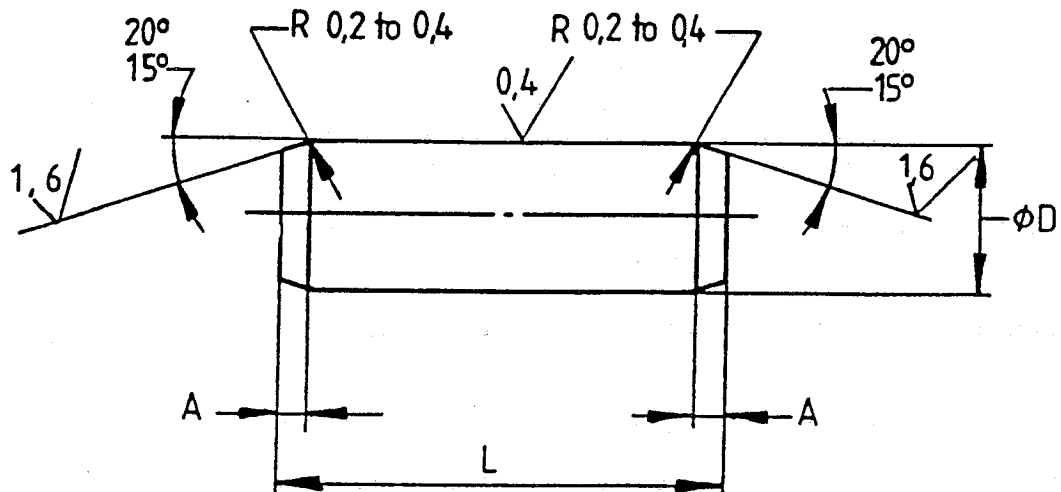
EN 2404

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

2) Published as AECMA Prestandard at the date of publication of this standard

$$3,2 / \left(\sqrt{\sqrt{1,6 / 0,4}} \right)$$

Remove sharp edges 0,2 to 0,3



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Figure 1

<https://standards.iteh.ai/catalog/standards/sist/8e298a10-78f8-43dd-bc26-784b2621c60c/sist-en-3151-2001>

Table 1

Diameter code	D		A	
	nom.	Tol.	nom.	Tol.
020	2	r6	0,5	$\pm 0,1$
030	3			
040	4			
050	5	p6	1	$\pm 0,2$
060	6			
070	7			
080	8			
100	10			

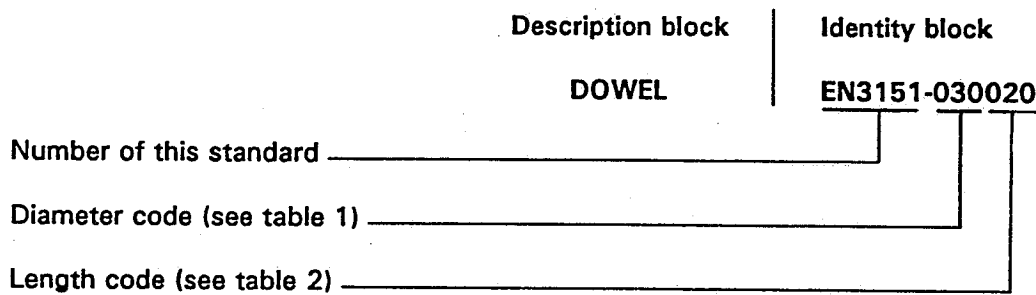
Table 2

Length code	L ± 0,25	Diameter code							
		020	030	040	050	060	070	080	100
		Mass ¹⁾	Mass ¹⁾	Mass ¹⁾	Mass ¹⁾	Mass ¹⁾	Mass ¹⁾	Mass ¹⁾	Mass ¹⁾
004	4	0,099							
006	6	0,151	0,342						
008	8	0,202	0,458	0,817					
010	10	0,254	0,574	1,023	1,578				
012	12		0,690	1,229	1,900	2,744			
014	14		0,806	1,435	2,222	3,208	4,373		
016	16		0,922	1,642	2,544	3,671	5,004	6,543	
018	18		1,038	1,848	2,867	4,135	5,635	7,368	
020	20		1,154	2,054	3,189	4,599	6,267	8,192	12,816
022	22		1,270	2,260	3,511	5,062	6,898	9,016	14,104
024	24			2,466	3,833	5,526	7,529	9,841	15,392
026	26			2,672	4,155	5,990	8,160	10,665	16,680
028	28			2,878	4,477	6,454	8,791	11,489	17,968
030	30				4,799	6,917	9,422	12,314	19,256
032	32				5,121	7,381	10,053	13,138	20,544
034	34				5,443	7,845	10,684	13,962	21,832
036	36				5,765	8,308	11,316	14,787	23,120
038	38				6,087	8,772	11,947	15,611	24,408
040	40					9,236	12,578	16,435	25,696
042	42					9,700	13,209	17,260	26,984
044	44						13,840	18,084	28,272
046	46						14,471	18,909	29,560
048	48						15,103	19,733	30,848
050	50						15,734	20,557	32,136
052	52							21,382	33,424
054	54							22,206	34,712
056	56							23,030	36,000
058	58								37,289
060	60								38,577
062	62								39,865
064	64								41,153
066	66								42,441
068	68								43,729
070	70								45,017

1) Mass ≈ kg/1 000 parts

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 2000

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