
Aeronavtika - Kabelski čeveljčki in vrstne spojnice za objemno spajanje električnih vodnikov - 007. del: Čeveljčki iz ponikljanega aluminija za objemno spajanje ponikljanih aluminijevih kablov za stojne vijake s colskim navojem - Standard za izdelek

Aerospace series - Terminal lugs and in-line splices for crimping on electric conductors - Part 007: Nickel plated aluminium terminal lugs for crimping on nickel plated aluminium cable for inch series studs - Product standard

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Luft- und Raumfahrt - Kabelschuhe und Stoßverbinder zum Crimpen auf elektrischen Leitungen - Teil 007: Kabelschuhe aus vernickeltem Aluminium, zum Crimpen auf vernickelten Aluminiumleitungen, für Inch-Gewindebolzen - Produktnorm

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Série aérospatiale - Cosses et prolongateurs pour sertissage sur conducteurs électriques - Partie 007: Cosses en aluminium nickelé pour sertissage sur câble en aluminium nickelé, pour bornages en inches - Norme de produit

Ta slovenski standard je istoveten z: EN 3373-007:2012

ICS:

49.025.20	Aluminij	Aluminium
49.060	Letalska in vesoljska električna oprema in sistemi	Aerospace electric equipment and systems

SIST EN 3373-007:2012

en,fr,de

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EUROPEAN STANDARD

EN 3373-007

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2012

ICS 49.060

English Version

**Aerospace series - Terminal lugs and in-line splices for crimping
on electric conductors - Part 007: Nickel plated aluminium
terminal lugs for crimping on nickel plated aluminium cable for
inch series studs - Product standard**

Série aérospatiale - Cosses et prolongateurs pour sertissage sur conducteurs électriques - Partie 007: Cosses en aluminium nickelé pour sertissage sur câble en aluminium nickelé, pour bornages en inches - Norme de produit

Luft- und Raumfahrt - Kabelschuhe und Stoßverbinder zum Crimpen auf elektrischen Leitungen - Teil 007: Kabelschuhe aus vernickeltem Aluminium, zum Crimpen auf vernickelten Aluminiumleitungen, für Inch-Gewindebolze - Produktnorm

This European Standard was approved by CEN on 23 December 2011.

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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 the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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Foreword

This document (EN 3373-007:2012) 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 2012, and conflicting national standards shall be withdrawn at the latest by September 2012.

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EN 3373-007:2012 (E)**1 Scope**

This product defines the characteristics of nickel plated aluminium terminal lugs for crimped connection on nickel plated aluminium conductors.

This terminal is delivered blocked with plastic cap and with factory installed O'ring and the barrel internal part is coated with a special grease which should not be removed before crimping on cable.

This European Standard should be used in conjunction with EN 3373-001.

2 Normative reference

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 3373-001, *Aerospace series — Terminal lugs and in-line splices for crimping on electric conductors — Part 001: Technical specification*

EN 3373-002, *Aerospace series — Terminal lugs and in-line splices for crimping on electric conductors — Part 002: General and list of product standard*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 3373-001 apply.

4 Characteristics**4.1 Operating temperature**

The operating temperature is -65 °C to 150 °C .

4.2 Material

Aluminium alloy.

5 Dimensions and masses**5.1 General**

Dimensions and masses see Tables 1 and 2.

The indicated dimensions and masses are mandatory, other dimensions are at the discretion of the manufacturer.

Dimensions and tolerances are in millimetres.

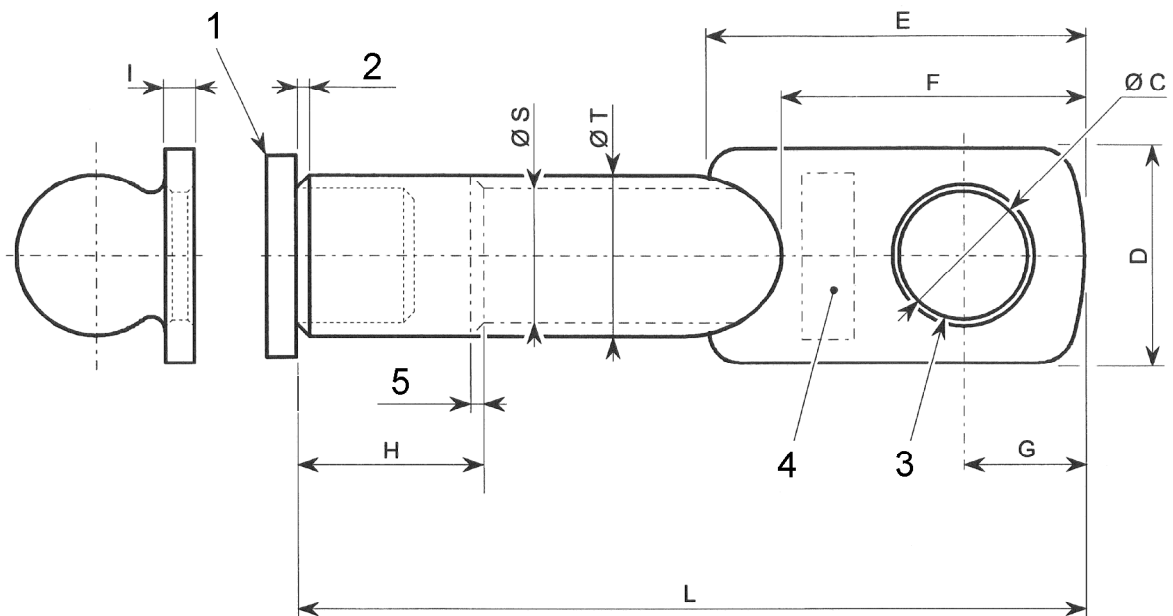
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5.2 External dimensions

See Figure 1 and Table 1.



Key

- 1 Dust cap
- 2 Chamfer $1 \times 45^\circ$
- 3 Chamfer $0,3 \times 45^\circ$
- 4 Marking on this area (see Clause 9)
- 5 Chamfer $1 \times 45^\circ$ if $\varnothing S$

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Figure 1

EN 3373-007:2012 (E)

Table 1

Item	Admissible cable gauge	Admissible stud diameter	Stud	$\varnothing C$ +0,3 0	D	E	F	G	H	I	L	$\varnothing S$	$\varnothing T$		
602	AWG 6 EN 140	9,52	3/8	9,6	15,5	28,0	24,0	11,0	14,0	3,0	59,0	10,0	12,0		
604		6,35	1/4	6,4											
605		4,83	# 10	4,9	11,5	21,0	17,0	8,0			52,0				
606		4,17	# 8	4,2											
607		6,35	1/4	6,4	28,0	59,0									
402	AWG 4 EN 220	9,52	3/8	9,6	15,5	30,0	24,0	11,0	15,0	3,4	62,0	11,0	14,0		
403		7,94	5/16	8,0											
404		6,35	1/4	6,4	11,5	23,0	17,6	8,0			4,0			55,0	
405		6,35	1/4	6,4	15,5	30,0	24,0	11,0			3,4			62,0	
406		4,83	# 10	4,9	11,5	23,0	17,6	8,0			4,0			55,0	
302	AWG (3) EN 280	6,35	1/4	6,4	16,5	28,0	24,0	11,0	19,0	4,6	66,0	13,0	15,0		
202	AWG 2 EN 340	9,52	3/8	9,6											
203		7,94	5/16	8,0							33,0	28,0		10,0	80,0
204		6,35	1/4	6,4							30,9	25,9		7,9	77,9
205		4,83	# 10	4,9							31,0	25,0		7,9	79,5
102 ^a	AWG (1) EN 420	7,94	5/16	8,0	19,5	31,0	25,0	10,0	23,0	5,0	77,0	15,0	17,0		
103		6,35	1/4	6,4											
104		9,52	3/8	9,6											
020	AWG 0 EN 530	9,52	3/8	9,6	24,0	40,0	30,0	13,0	None	None	94,0	None	20,0		
030		7,94	5/16	8,0											
040		6,35	1/4	6,4											
003	AWG 00 EN 680	7,94	5/16	8,0	24,0	38,0	28,0	11,0	None	None	92,5	None	20,0		
005		9,52	3/8	9,6											

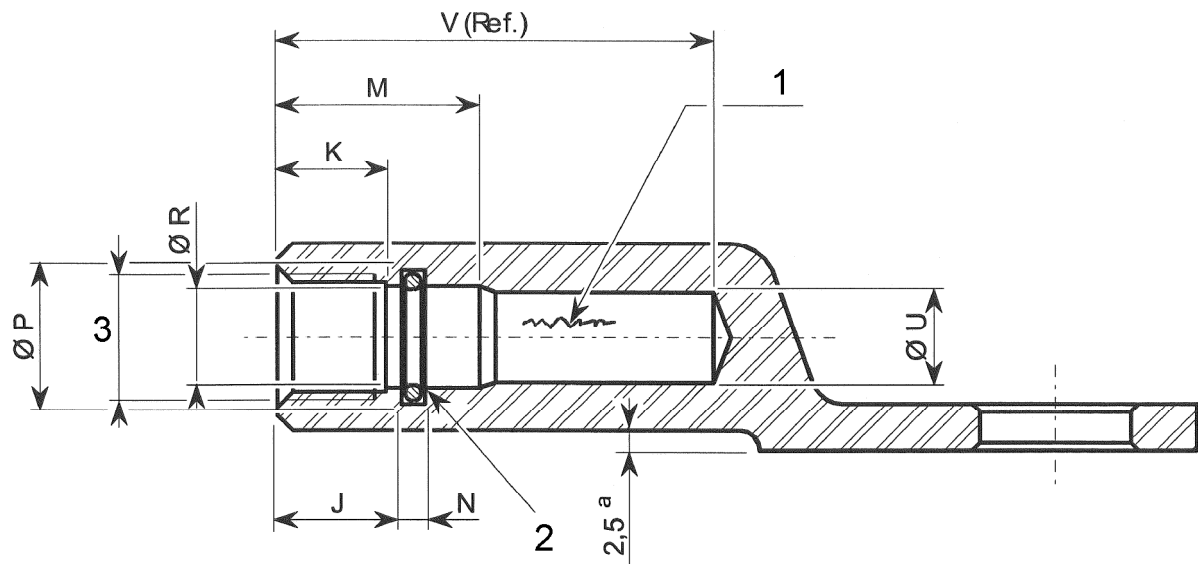
Tolerances: JS13

^a See Figure 3.

5.3 Internal dimensions and mass

See Figure 2 and Table 2.

All inner diameters are unplated



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Key

- 1 Special grease location
- 2 O-ring location
- 3 Thread

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<https://standards.iteh.ai/catalog/standards/sist/656d3f3e-5374-4379-acf5-3de9ab22cd86/sist-3373-007-2012> **Figure 2**