



SLOVENSKI STANDARD

SIST EN 4531-003:2009

01-julij-2009

Aeronavtika - Konektorji, optil' ni, okrogli, z enim ali vel' zatil' i, prikljul' eni z navojnim obro' kom - Izravnani kontakti - 003. del: Podlaga s kvadratno prirobnico - Standard za proizvod

Aerospace series - Connectors, optical, circular, single and multipin, coupled by threaded ring - Flush contacts - Part 003: Square flange receptacle - Product standard

Luft- und Raumfahrt - Optische Rundsteckverbinder mit Schraubkupplung - Bündige Kontakte - Teil 003: Fester Steckverbinder mit quadratischem Montageflansch - Produktnorm

Série aérospatiale - Connecteurs optiques circulaires à accouplement par bague fileté - Contacts affleurants - Partie 003 - Embase à fixation par colerette carrée - Norme produit

Ta slovenski standard je istoveten z: EN 4531-003:2007

ICS:

49.060	Letalska in vesoljska elektri' na oprema in sistemi	Aerospace electric equipment and systems
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EUROPEAN STANDARD

EN 4531-003

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2007

ICS 49.060

English Version

**Aerospace series - Connectors, optical, circular, single and
multipin, coupled by threaded ring - Flush contacts - Part 003:
Square flange receptacle - Product standard**

Série aérospatiale - Connecteurs optiques circulaires à
accouplement par bague fileté - Contacts affleurants -
Partie 003 : Embase à fixation par collerette carrée - Norme
produit

Luft- und Raumfahrt - Optische Rundsteckverbinder mit
Schraubkupplung - Bündige Kontakte - Teil 003: Fester
Steckverbinder mit quadratischem Montageflansch -
Produktnorm

This European Standard was approved by CEN on 28 April 2006.

CEN members are bound to comply with the CEN/CENELEC 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 Management Centre 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 the CEN Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, 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 and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
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Foreword

This document (EN 4531-003:2007) 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 December 2007, and conflicting national standards shall be withdrawn at the latest by December 2007.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, 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 and the United Kingdom.

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EN 4531-003:2007 (E)**1 Scope**

This standard specifies the characteristics of mounted square flange receptacles in the family of circular connectors with triple start threaded coupling.

2 Normative references

The following referenced documents are indispensable for the application of this document. 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 4531-001, *Aerospace series — Connectors, optical, circular, single and multipin, coupled by threaded ring — Flush contacts — Part 001: Technical specification.*

EN 4531-002, *Aerospace series — Connectors, optical, circular, single and multipin, coupled by threaded ring — Flush contacts — Part 002: Specification of performance and contact arrangements.*

3 Terms and definitions

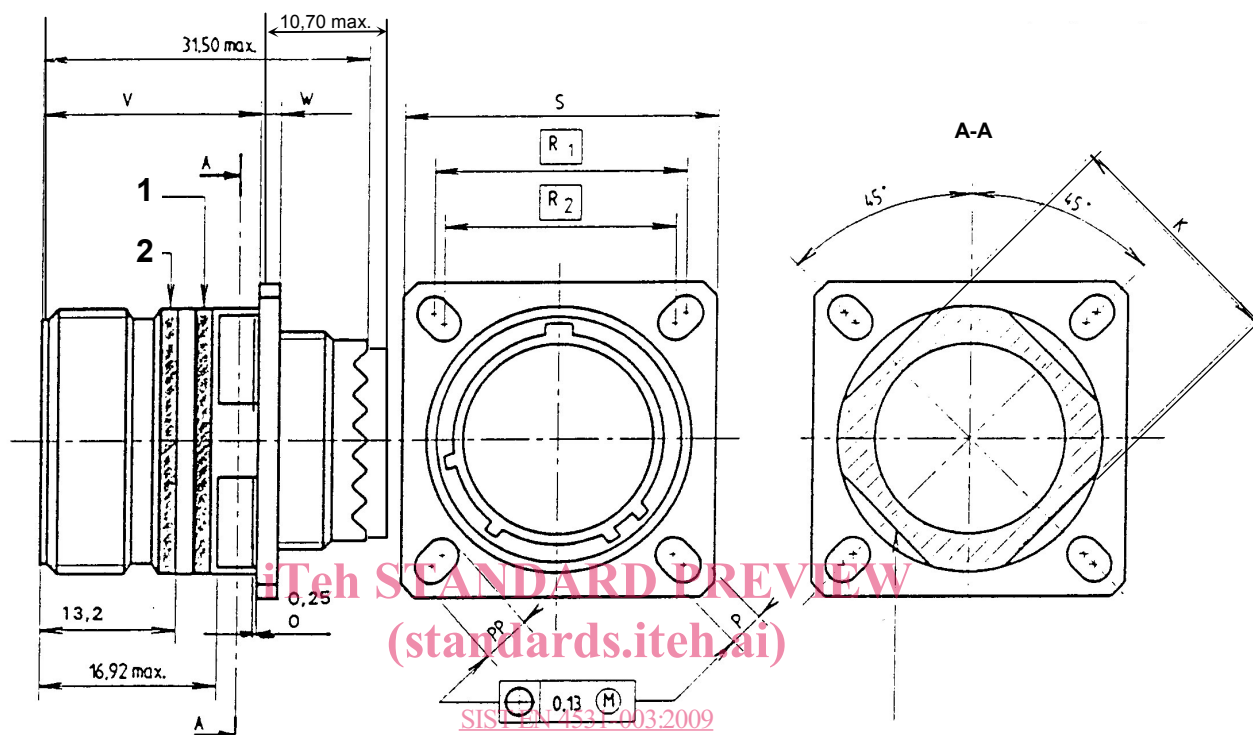
For the purposes of this European Standard, the terms and definitions given in EN 4531-001 apply.

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4 Required characteristics

4.1 Dimensions and masses

See Figure 1 and Table 1. Dimensions and tolerances are in millimetres.



Key

1 Blue band

2 Red band

^a Optionnal detail for J, M and C models

Figure 1

Table 1

Shell Size	K max.	P ± 0,20	PP ± 0,20	R ₁	R ₂	S ± 0,30	V + 1,4 0	W Class		Mass (g) Class			
								J, M, C	Other	F, W, O	K, S	J, M, C	B
09	11,84	3,25	5,49	18,26	15,09	23,80	19,50	3,65 2,10	2,50 2,10	10	25	10	60
11	15,01		4,93	20,62	18,26	26,20				16	35	13	77
13	19,08			23,01	20,62	28,60				22	45	19	103
17	25,43			26,97	24,61	33,30				46	83	41	167
19	28,60			29,35	26,97	36,50				57	98	51	205
21	31,78	3,91	6,15	31,75	29,36	39,70	18,70	4,35 2,10	3,20 2,10	65	110	59	233
25	38,13			38,10	34,93	46,00				97	148	90	394

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4.2 Material and surface treatment

See EN 4531-002.

4.3 Panel cut-out

See Figure 2 and Table 2. Dimensions and tolerances are in millimetres.

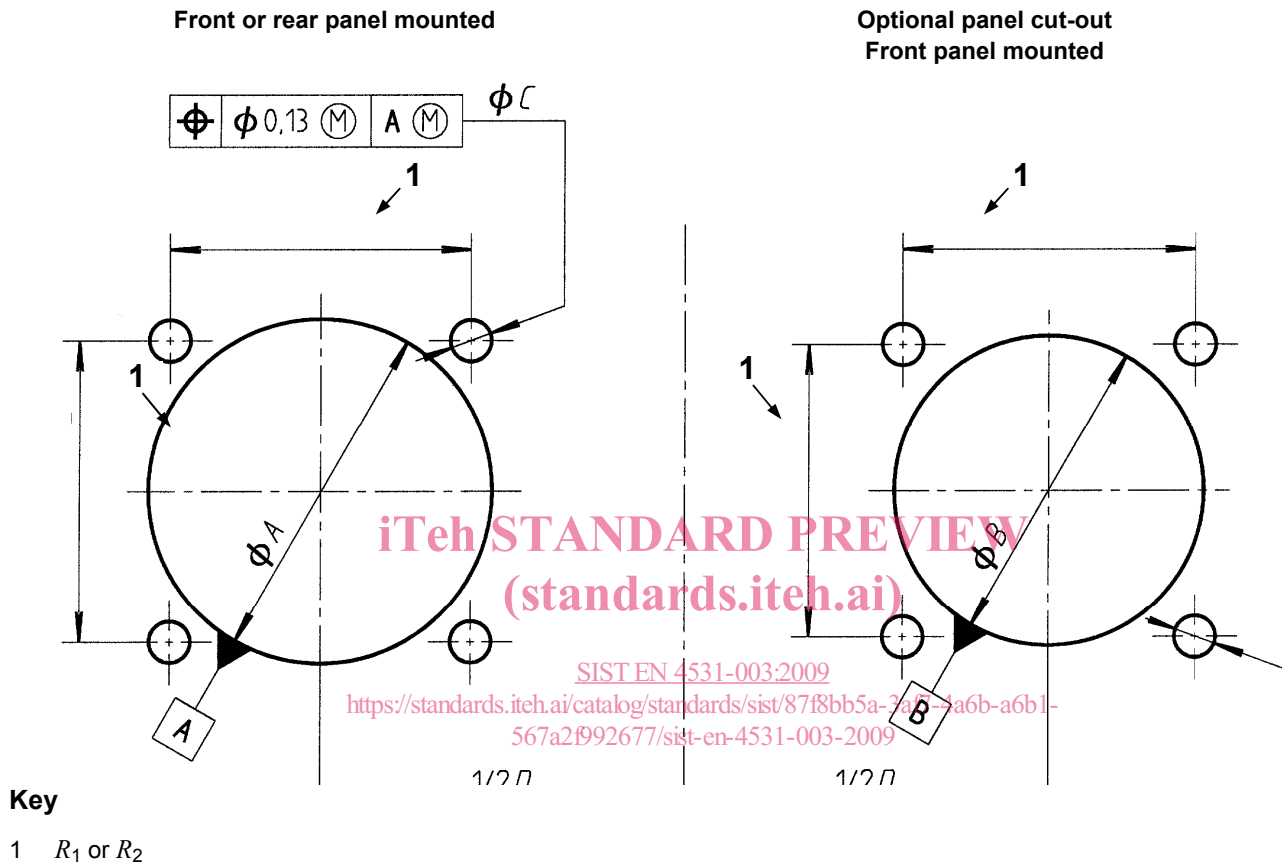


Figure 2

Table 2

Shell size	A min.	B min.	C $\pm 0,13$	D min.	R_1	R_2^a
09	16,66	13,11	3,25	31,80	18,26	15,09
11	20,22	15,88		35,00	20,62	18,26
13	23,42	19,05		39,40	23,01	20,62
17	30,96	25,81		45,70	26,97	24,61
19	32,94	28,98		48,50	29,36	26,97
21	36,12	32,16		51,70	31,75	29,36
25	42,47	37,69	3,81	58,00	38,10	34,93
^a R_2 is not applicable to models J, M and C.						