



BSI Standards Publication

Lamp caps and holders together with gauges for the control of interchangeability and safety

Part 1: Lamp caps

National foreword

This British Standard is the UK implementation of EN 60061-1:1993+A63:2022. It is derived from IEC 60061-1:1969, together with supplements 1A to 1V, and amendments 21 to 61 and 63.

NOTE There are no amendments A8 to A20 to EN 60061-1.

This British Standard supersedes BS EN 60061-1:1993+A57:2018, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CPL/34/2, Lamp caps and holders.

A list of organizations represented on this committee can be obtained on request to its secretary.

All pages of the IEC text are reproduced here. However, note that CENELEC common modifications apply and that they consist of the deletion of data sheets for non-European lamp caps, holders and associated gauges (i.e. E11, E12, E17/20, E26 and E39).

The amendment by which each page of the European Standard was introduced is indicated by an extension to the shoulder heading at the top of the page (e.g. 60061-1 Amend. 49 (c) CEI/IEC:2013). Where no such extension appears, the page is part of the original European Standard.

The numerical identification of the data sheets is achieved by the use of three numbers, which appear at the foot of each sheet, the significance of which is as follows.

The part of BS EN 60061 in which they appear is identified by the first number, i.e.

7004 Part 1 *Lamp caps*

7005 Part 2 *Lamp holders*

7006 Part 3 *Gauges*

7007 Part 4 *Guidelines and general information*

The sequence, which may not be continuous, in which data sheets appear is identified by the second number. The issue number of an individual data sheet is identified by the third number. For example, 7004-10-5 describes a B22 bayonet cap appearing in Part 1 of BS EN 60061, the current data sheets being the fifth issue.

To facilitate reproduction, pages from IEC 60061-1 containing dual language text have been used in the production of this part of BS EN 60061.

The UK participation in its preparation was entrusted to Technical Committee CPL/34/1, Electric lamps.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
November 1997	See national foreword
February 1999	See national foreword
December 1999	See national foreword
July 2001	See national foreword
27 March 2002	See national foreword
9 January 2003	See national foreword
28 November 2003	See national foreword
25 February 2004	See national foreword
10 February 2005	See national foreword
30 June 2010	Implementation of IEC amendments 36:2005, 37:2006, 38:2006, 39:2007, 40:2008, 41:2009 and 42:2009 with the corresponding CENELEC endorsements A36:2005, A37:2006, A38:2007, A39:2009, A40:2008, A41:2009 and A42:2009
30 November 2011	Implementation of IEC amendments 43:2010, 44:2010, 45:2011 and 46:2011 with the corresponding CENELEC endorsements A43:2011, A44:2010, A45:2011 and A46:2011
30 April 2013	Implementation of IEC amendments 47:2012 and 48:2012 with the corresponding CENELEC endorsements A47:2012 and A48:2012

Date	Text affected
30 June 2015	Implementation of IEC amendments 49:2013 and 50:2014 with corresponding CENELEC endorsements A49:2013 and A50:2014
31 March 2016	Implementation of IEC amendments 51:2014, 52:2015 and 53:2015 with corresponding CENELEC endorsements A51:2015, A52:2016 and A53:2015
31 July 2018	Implementation of IEC amendments 54:2016, 55:2016, 56:2017 and 56:2017 with CENELEC endorsements A54:2016, A55:2017, A56:2017 and A57:2018
31 August 2024	Implementation of IEC amendments 58:2018, 59:2019, 60:2020, 61:2020 and 63:2022 with CENELEC endorsements A58:2018, A59:2022, A60:2020, A61:2021 and A63:2022, and IEC corrigendum March 2019 and CENELEC amendment A11:2022

English Version

Lamp caps and holders together with gauges for the control of
interchangeability and safety - Part 1: Lamp caps
(IEC 60061-1:1969 + supplements A:1970 to N:1992,
modified)

Culots de lampes et douilles ainsi que calibres pour le
contrôle de l'interchangeabilité et de la sécurité - Partie 1:
Culots de lampes

Lampensockel und -fassungen sowie Lehren zur Kontrolle
der Austauschbarkeit und Sicherheit - Teil 1: Lampensockel

This European Standard modifies was approved by CENELEC on 1993-03-09. CENELEC 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 Central Secretariat or to any CENELEC 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 CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This European Standard, based on the International Standard IEC 61-1 : 1969 + supplements A : 1970 to N : 1992 along with common modifications, was prepared by CENELEC Technical Committee TC 34Z, Luminaires and associated equipment.

NOTE. IEC 61-1 : 1969 + supplements A: 1970 to K : 1983 were published as a consolidated edition.

It was submitted to the CENELEC Unique Acceptance Procedure (UAP) in May 1992 and was approved by CENELEC as EN 60061-1 on 9 March 1993.

This European Standard supersedes HD 65.1 SI : 1978.

The following dates were fixed:

- latest date of publication of an identical national standard (dop) 1994-03-01
- latest date of withdrawal of conflicting national standards (dow) 1994-03-01

For products which have complied with HD 65.1 SI : 1978 before 1994-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1999-03-01.

Attention is drawn to the fact that lamp caps and lampholders with designation P29t, PY43d and PZ43t [standard sheets 7004-66, 7004-88, 7004-89, 7005-66, 7005-88, 7005-89, 7006-88, 7006-88A and 7006-89] are not listed in ECE Regulation 37.

Foreword to amendment A1

The text of the 14th supplement (IEC 61-1P : 1994) to the International Standard IEC 61-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 60061 : 1993 on 1994-12-06 without any modification.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 1995-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1995-12-01

For products which have complied with EN 60061-1 : 1993 before 1995-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2000-12-01.

Endorsement notice

The text of amendment 1:1994 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A2

The text of the 15th supplement (IEC 61-1Q : 1994) to the International Standard IEC 61-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A2 to EN 60061 : 1993 on 1995-11-28 without any modification.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 1996-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1996-09-01

For products which have complied with EN 60061-1 : 1993 before 1996-09-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-09-01.

Endorsement notice

The text of amendment 2:1995 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A3

The text of document 34B/546/DIS, future 16th supplement to IEC 61-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A3 to EN 60061-1 : 1993 on 1995-11-28.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 1996-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1996-09-01

For products which have complied with EN 60061-1 : 1993 and its amendment A1 : 1995 before 1996-09-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-09-01.

Endorsement notice

The text of amendment 3:1995 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A4

The text of document 34B/546/DIS, future 17th supplement to IEC 61-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A4 to EN 60061-1 : 1993 on 1995-11-28.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 1996-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1996-12-01

For products which have complied with EN 60061-1 : 1993 and its amendment A1 : 1995, A2 : 1995 and A3 : 1995 before 1996-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2001-12-01.

Endorsement notice

The text of amendment 4:1995 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A5

The text of document 34B/590/DIS, future 18th supplement to IEC 61-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A5 to EN 60061-1 : 1993 on 1996-07-02.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 1997-04-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1997-04-01

For products which have complied with EN 60061-1 : 1993 and its amendment A1 : 1995, A2 : 1995, A3 : 1995 and A4 : 1996 before 1997-04-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-04-01.

Endorsement notice

The text of amendment 5:1996 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A6

The text of document 34B/622/DIS, future 19th supplement to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A6 to EN 60061-1 : 1993 on 1996-10-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 1999-07-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1997-07-01

For products which have complied with EN 60061-1 : 1993 and its amendment A1 : 1995, A2 : 1995, A3 : 1995, A3 : 1995 and A5 : 1996 before 1996-12-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-07-01.

Endorsement notice

The text of amendment 6:1995 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A7

The text of document 34B/647/FDIS, future 20th supplement to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A7 to EN 60061-1 : 1993 on 1997-03-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 1998-02-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 1998-02-01

For products which have complied with EN 60061-1 : 1993 and its amendment A1 : 1995, A2 : 1995, A3 : 1995, A4 : 1996 and A6 : 1996 before 1998-02-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2003-02-01.

Endorsement notice

The text of amendment 7:1997 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A21

The text of document 34B/744/FDIS, future amendment 21 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A21 to EN 60061-1 : 1993 on 1998-04-01.

NOTE. There were no amendments A8 to A20 to EN 60061-1 : 1993.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 1999-01-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2005-04-01

Endorsement notice

The text of amendment 21:1998 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A22

The text of document 34B/802/FDIS, future amendment 22 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A22 to EN 60061-1 : 1993 on 1999-04-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2000-01-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2006-04-01

Endorsement notice

The text of amendment 22:1999 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A23

The text of document 34B/825/FDIS, future amendment 23 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A23 to EN 60061-1 : 1993 on 1999-08-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2000-05-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2006-08-01

Endorsement notice

The text of amendment 23:1999 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A24

The text of document 34B/871/FDIS, future amendment 24 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A24 to EN 60061-1 : 1993 on 2000-08-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2001-05-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2007-08-01

Endorsement notice

The text of amendment 24:2000 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A25

The text of document 34B/903/FDIS, future amendment 25 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A25 to EN 60061-1 : 1993 on 2001-03-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2001-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2004-03-01

Endorsement notice

The text of amendment 25:2001 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A26

The text of document 34B/906/FDIS, future amendment 26 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A26 to EN 60061-1 : 1993 on 2001-03-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2001-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2004-03-01

Endorsement notice

The text of amendment 26:2001 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A27

The text of document 34B/949A/FDIS, future amendment 27 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A27 to EN 60061-1 : 1993 on 2001-11-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2002-08-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2004-11-01

Endorsement notice

The text of amendment 27:2001 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A28

The text of document 34B/972/FDIS, future amendment 28 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A28 to EN 60061-1 : 1993 on 2002-04-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2003-04-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2005-04-01

Endorsement notice

The text of amendment 28:2002 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A29

The text of document 34B/988/FDIS, future amendment 29 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A29 to EN 60061-1 : 1993 on 2002-06-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2003-03-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2005-06-01

Endorsement notice

The text of amendment 29:2002 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A30

The text of document 34B/1024/FDIS, future amendment 30 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A30 to EN 60061-1 : 1993 on 2002-11-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2003-08-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2005-11-01

Endorsement notice

The text of amendment 30:2002 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A31

The text of document 34B/1070/FDIS, future amendment 31 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A31 to EN 60061-1 : 1993 on 2003-06-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2004-03-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2006-06-01

Endorsement notice

The text of amendment 31:2003 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A32

The text of document 34B/1081/FDIS, future amendment 32 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A32 to EN 60061-1 : 1993 on 2003-10-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2004-07-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2006-10-01

Endorsement notice

The text of amendment 32:2003 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A33

The text of document 34B/1100/FDIS, future amendment 33 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A33 to EN 60061-1 : 1993 on 2003-12-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2004-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2006-12-01

Endorsement notice

The text of amendment 33:2003 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A34

The text of document 34B/1144/FDIS, future amendment 34 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A34 to EN 60061-1 : 1993 on 2004-09-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2005-06-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2007-09-01

Endorsement notice

The text of amendment 34:2004 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A35

The text of document 34B/1165/FDIS, future amendment 35 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IECCENELEC parallel vote and was approved by CENELEC as amendment A35 to EN 60061-1 : 1993 on 2004-12-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2005-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2007-12-01

Endorsement notice

The text of amendment 35:2004 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A36

The text of document 34B/1165/FDIS, future amendment 36 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC CENELEC parallel vote and was approved by CENELEC as amendment A36 to EN 60061-1 : 1993 on 2005-10-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2006-07-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2008-10-01

Endorsement notice

The text of amendment 36:2005 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A37

The text of document 34B/1225/FDIS, future amendment 37 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A37 to EN 60061-1 : 1993 on 2006-09-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2007-06-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2009-09-01

Endorsement notice

The text of amendment 37:2006 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A38

The text of document 34B/1259/FDIS, future amendment 38 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC CENELEC parallel vote and was approved by CENELEC as amendment A38 to EN 60061-1 : 1993 on 2007-03-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2007-12-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2010-03-01

Endorsement notice

The text of amendment 38:2006 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A39

The text of document 34B/1305/FDIS, future amendment 39 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC CENELEC parallel vote and was approved by CENELEC as amendment A39 to EN 60061-1 : 1993 on 2007-05-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2008-02-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2010-05-01

Endorsement notice

The text of amendment 39:2007 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A40

The text of document 34B/1377/FDIS, future amendment 40 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A40 to EN 60061-1 : 1993 on 2008-08-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2009-05-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2011-08-01

Endorsement notice

The text of amendment 40:2008 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A41

The text of document 34B/1426/FDIS, future amendment 41 to IEC 60061-1 : 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A41 to EN 60061-1 : 1993 on 2009-06-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2010-03-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2012-06-01

Endorsement notice

The text of amendment 41:2009 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A42

The text of document 34B/1441/FDIS, future amendment 42 to IEC 60061-1: 1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A31 to EN 60061-1 : 1993 on 2009-09-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical standard or by endorsement (dop) 2010-06-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2012-09-01

Endorsement notice

The text of amendment 42:2009 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A43

The text of document 34B/1487/FDIS, future amendment 43 to IEC 60061-1:1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A43 to EN 60061-1:1993 on 2010-10-01.

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

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2011-07-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2013-10-01

Endorsement notice

The text of amendment 43:2010 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A44

The text of document 34B/1531/FDIS, future amendment 44 to IEC 60061-1:1969, prepared by SC 34B, Lamp caps and holders, of IEC TC 34, Lamps and related equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A44 to EN 60061-1:1993 on 2010-10-01.

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

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2011-07-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2013-10-01

Endorsement notice

The text of amendment 44:2010 to the International Standard IEC 60061-1:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A45

The text of document 34B/1571/FDIS, future edition 1 of IEC 60061-1:1969/A45, prepared by SC 34B, “Lamp caps and holders”, of IEC TC 34, “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A45:2011.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-05-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-08-17

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A45:2011 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A46

The text of document 34B/1595/FDIS, future edition 1 of IEC 60061-1:1969/A46, prepared by SC 34B, “Lamp caps and holders”, of IEC TC 34, “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A46:2011.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-05-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-08-17

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A46:2011 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A47

The text of document 34B/1620/FDIS, future edition 1 of IEC 60061-1:1969/A47, prepared by SC 34B, “Lamp caps and holders”, of IEC TC 34, “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A47:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-12-03
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-03-03

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A47:2011 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A48

The text of document 34B/1643/FDIS, future Amendment 48 to edition 3 of IEC 60061-1, prepared by SC 34B “Lamp caps and holders” of IEC TC 34 “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A48:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2013-08-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-11-01

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A48:2012 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A49

The text of document 34B/1668/FDIS, future edition 1 of IEC 60061-1:1969/A49, prepared by SC 34B, “Lamp caps and holders”, of IEC TC 34, “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A49:2013.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-01-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-04-02

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A49:2013 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A50

The text of document 34B/1710A/FDIS, future IEC 60061-1:1969/A50, prepared by SC 34B “Lamp caps and holders” of IEC/TC 34 “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A50:2014.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-12-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-03-26

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A50:2014 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A51

The text of document 34B/1751/FDIS, future IEC 60061-1:1969/A51, prepared by SC 34B “Lamp caps and holders” of IEC/TC 34 “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A51:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2015-11-08
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-01-15

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

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A51:2014 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A52

The text of document 34B/1783/FDIS, future IEC 60061-1:1969/A52, prepared by SC 34B “Lamp caps and holders” of IEC/TC 34 “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A52:2016.

A draft amendment, which covers common modifications to IEC 60061-1:1969/A52:2015 (34B/1783/FDIS), was prepared by CLC/TC 34Z “Luminaires and associated equipment” and approved by CENELEC.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-11-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-11-02

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall

not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A52:2015 was approved by CENELEC as a European Standard with agreed common modifications.

COMMON MODIFICATIONS

Delete sheet 7004-21A-3 for screw caps E26.

Foreword to amendment A53

The text of document 34B/1786/FDIS, future IEC 60061-1:1969/A53, prepared by SC 34B “Lamp caps and holders” of IEC/TC 34 “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A53:2015.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-06-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-09-25

Foreword to amendment A54

The text of document 34B/1853/FDIS, future IEC 60061-1:1969/A54, prepared by SC 34B “Lamp caps and holders” of IEC/TC 34 “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A54:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-04-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-07-04

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A54:2016 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A55

The text of document 34B/1848/CDV, future IEC 60061-1:1969/A55, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A55:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-10-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-01-20

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A55:2016 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A56

The text of document 34B/1894/FDIS, future IEC 60061-1:1969/A56, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A56:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-03-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-06-20

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A56:2017 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A57

The text of document 34B/1932/FDIS, future IEC 60061-1:1969/A57, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A57:2018.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-10-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-01-19

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A57:2017 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A58

The text of document 34B/1993/FDIS, future IEC 60061-1/A58, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A58:2018.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2019-06-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-09-27

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A58:2018 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A59

The text of document 34B/2036/FDIS, future IEC 60061-1/A59, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A59:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-10-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-04-15

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A59:2019 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A11

This document (EN 60061-1:1993/A11:2022) consists of the text of IEC 60061-1:1993/A59:2019 prepared by IEC/TC 34 "Lamps and related equipment", together with the common modifications prepared by CLC/TC 34 "Lighting".

The following dates are proposed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2022-10-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-04-15

This document amends EN 60061-1:1993/A59:2022.

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

This document is read in conjunction with EN 60061-1:1993/A59:2022.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60061-1:1993/A59:2019 was approved by CENELEC as a European Standard with agreed common modifications.

Foreword to amendment A60

The text of document 34B/2077/FDIS, future IEC 60061-1/A60, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A60:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-02-05
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-05-05

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A60:2020 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A61

The text of document 34B/2098/FDIS, future IEC 60061-1/A61, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60061-1:1993/A61:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-10-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-01-01

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

Endorsement notice

The text of the International Standard IEC 60061-1:1969/A61:2020 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A63

The text of document 34B/2136/FDIS, future IEC 60061-1/AMD63, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60061-1:1993/A63:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-04-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-07-01

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Endorsement notice

The text of the International Standard IEC 60061-1:1969/AMD63:2022 was approved by CENELEC as a European Standard without any modification.

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Culots de lampes et douilles ainsi que calibres pour le contrôle de l'interchangeabilité et de la sécurité –

Partie 1: Culots de lampes

Lamp caps and holders together with gauges for the control of interchangeability and safety –

Part 1: Lamp caps

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International Electrotechnical Commission, 3, rue de Varembé, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LAMP CAPS AND HOLDERS TOGETHER WITH GAUGES FOR THE CONTROL OF INTERCHANGEABILITY AND SAFETY –

Part 1: Lamp caps

AMENDMENT 63

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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- 9) Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 63 to IEC 60061-1:1969 has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lightning.

The text of this Amendment is based on the following documents:

Draft	Report on voting
34B/2136/FDIS	34B/2140/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

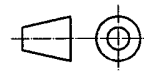
The language used for the development of this Amendment is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications/.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

BI-PIN CAPS
CULOTS A DEUX BROCHES
G1.27, GX1.27 & GY1.3

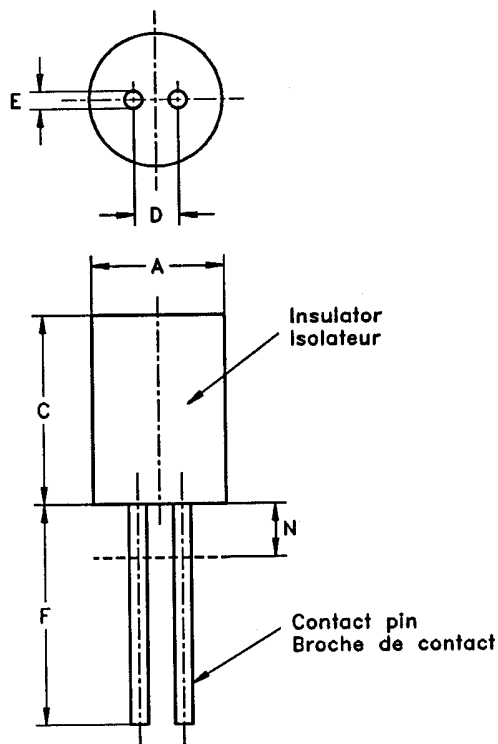


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Dimensions in millimetres - Dimensions en millimètres

The drawing is intended only to illustrate the dimensions essential for interchangeability.
 Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

For details of holders G1.27, GX1.27 and GY1.3, see sheet 7005-.. (under consideration).
 Pour les détails des douilles G1.27, GX1.27 et GY1.3, voir feuille 7005-.. (à l'étude).



- (1) This dimension is specified flush with the cap. To be checked with the relevant gauge shown on sheet 7006-4.
 (2) Some existing designs have dimensions of 2,41 mm - 2,67 mm.
 (3) Length of pin may vary in accordance with application.
 (4) Dimension N denotes the minimum length over which dimension D applies.

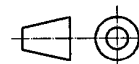
- (1) Cette dimension est spécifiée à fleur du culot. Elle doit être vérifiée avec le calibre correspondant représenté dans la feuille 7006-4.
 (2) Certains modèles existants possèdent les dimensions 2,41 mm - 2,67 mm.
 (3) Il est admis que la longueur de la broche varie en fonction de l'application.
 (4) La cote N indique la longueur minimale sur laquelle s'applique la dimension D.

* This designation is the result of the new recommendation in 7007-1 (IEC 60061-4) to round the value to one digit behind the decimal point.

* Cette désignation est le résultat de l'application de la nouvelle recommandation de la 7007-1 (CEI 60061-4) qui indique que la valeur doit être arrondie à un chiffre après la virgule.

Dimension	G1.27		GX1.27		GY1.3-2.4*		GY1.3-3.2*	
	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
A	3,7	3,9	3,2	3,4	2,29	2,54	3,05	3,30
C	5,2	5,7	3,0	3,4	3,05 (2)	3,30 (2)	3,05 (2)	3,3 (2)
D	1,27 (1)		1,27 (1)		1,27 (1)		1,27 (1)	
E	0,45	0,55	0,45	0,55	0,45	0,55	0,45	0,55
F	5,85	6,85	5,85	6,85	4,83 (3)		6,35 (3)	
N	--	--	--	--	1,54 (4)		1,54 (4)	

BI-PIN CAPS
CULOTS A DEUX BROCHES
G2.54, GX2.54 & GY2.5

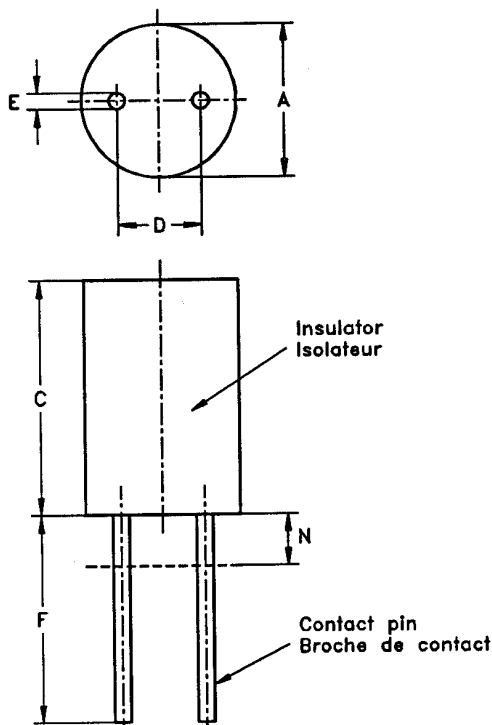


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Dimensions in millimetres - Dimensions en millimètres

The drawing is intended only to illustrate the dimensions essential for interchangeability.
 Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

For details of holders G2.54, GX2.54 and GY2.5 see sheet 7005... (under consideration).
 Pour les détails de la douille G2.54, GX2.54 et GY2.5 voir feuille 7005... (à l'étude).



- (1) This dimension is specified flush with the cap. To be checked with the relevant gauge shown on sheet 7006-4.
- (2) Certain manufacturers are currently using a D dimension of 3,05 mm - 3,30 mm. This alternative dimension shall be considered acceptable until such time as it can be phased out and replaced by the recommended D dimensions of 2,41 mm - 2,67 mm.
- (3) Length of pin may vary in accordance with application.
- (4) Dimension N denotes the minimum length over which dimension D applies.

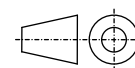
- (1) Cette dimension est spécifiée à fleur du culot. Elle doit être vérifiée avec le calibre correspondant représenté dans la feuille 7006-4.
- (2) Certains fabricants utilisent actuellement une dimension D de 3,05 mm - 3,30 mm. Cette autre dimension doit être considérée comme acceptable jusqu'à ce qu'elle puisse être éliminée progressivement et remplacée par les dimensions D recommandées de 2,41 mm - 2,67 mm.
- (3) Il est admis que la longueur de la broche varie en fonction de l'application.
- (4) La cote N indique la longueur minimale sur laquelle s'applique la dimension D.

* This designation is the result of the new recommendation in 7007-1 (IEC 60061-4) to round the value to one digit behind the decimal point.

* Cette désignation est le résultat de l'application de la nouvelle recommandation de la 7007-1 (CEI 60061-4) qu'indique que la valeur doit être arrondie à un chiffre après la virgule.

Dimension	G2.54		GX2.54		GY2.5*	
	Min.	Max.	Min.	Max.	Min.	Max.
A	4,6	4,8	3,7	3,9	4,28	4,52
C	7,2	7,7	5,2	5,7	6,73	7,62
D	2,54 (1)		2,54 (1)		2,54 (1)(2)	
E	0,45	0,55	0,45	0,55	0,45	0,55
F	5,85	6,85	5,85	6,85	6,35 (3)	
N	--	--	--	--	1,57 (4)	

7004-3-2

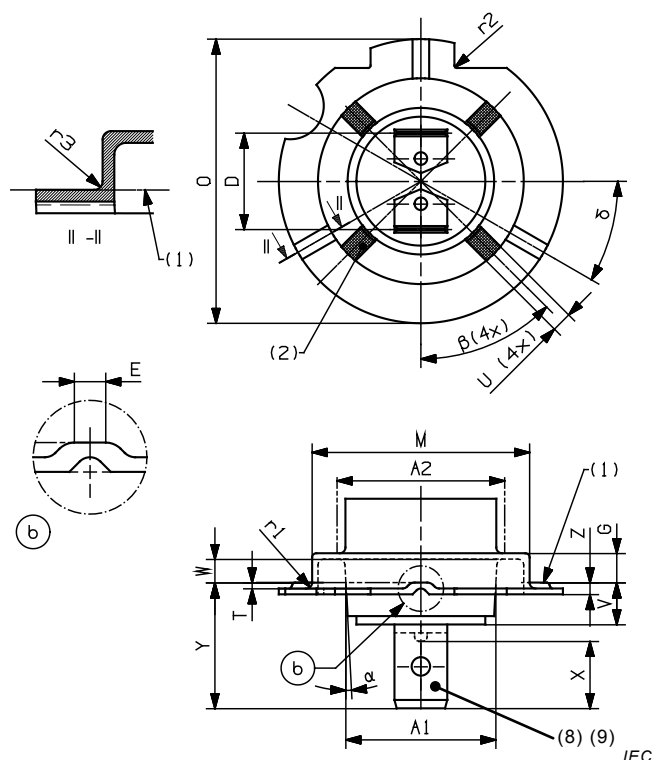
CAPS**CULOTS****PX26d & PY26d-1 ... PY26d-7**

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Dimensions in millimetres - Dimensions en millimètres

The drawing is intended only to illustrate the dimensions essential for interchangeability.
Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

For details of holders PX26 and PY26 see sheet 7005-5.
Pour les détails des douilles PX26 et PY26 voir feuille 7005-5.

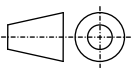


Dimension	Min.	Max.
A1 (3)	17,8	18
A2 (4)	20	
D (5)	Nom. 11,5	
E*	1	2
G	—	3,5
K (PX26d)	7,9	8,0
(PY26d)	9,9	10,0
L (10)	3,9	4,0
M	25,9	26,0
O	33,8	34,0
Q	13,2	13,7
T	0,6	0,8
U (2)	2,4	
V	6	—
W (6)	2	
X (9)	8	—
Y	15	16

Dimension	Min.	Max.
Z	—	1,4
r1	(7)	
r2	—	0,3
r3	—	0,4
R4 (10)	3,9	4,1
R5 (10)	14,4	14,6
R6	—	0,5
alpha	—	3°
beta	45°	
delta*	29°	31°
tau (10) (PY26d-1)	59°	61°
tau (10) (PY26d-2)	89°	91°
tau (10) (PY26d-3)	269°	271°
tau (10) (PY26d-4)	299°	301°
tau (10) (PY26d-5)	149°	151°
tau (10) (PY26d-6)	179°	181°
tau (10) (PY26d-7)	209°	211°

* These dimensions are solely for cap design and are not to be gauged on the finished lamp.

* Ces dimensions s'appliquent seulement à la conception du culot et n'ont pas à être vérifiées sur la lampe terminée.

	<div>CAPS</div> <div>CULOTS</div> <div>PX26d & PY26d-1 ... PY26d-7</div>	<div></div> <div>Page 2/2</div>
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- (1) Reference plane.

(2) In these areas, breaking-throughs or recesses are allowed.

(3) The means of securing the lamp in the holder shall be such that no force in the direction of the reference axis of the lamp is exerted within this zone.

(4) This dimension delineates the demarcation between the space which may be occupied by parts of the lamp and the space which may be occupied by parts of the holder/reflector.

(5) To be checked by means of the gauge shown on sheet 7006-5A.

(6) This dimension indicates the height over which dimension M with its minimum and maximum values applies, with the exception of the areas of transition from the three supporting lugs to cylinder M, where r3 applies.
Outside dimension W up to the end of dimension G, diameter M shall be not bigger than the maximum dimension measured within W. Mmin is not applicable outside W.

(7) The radius r1 shall be equal to or smaller than dimension T.

(8) The positions of the contact tabs shall not deviate from the position shown by more than ±2°.
To be checked by means of the gauge shown on sheet 7006-5A.

(9) For all other dimensions of the connector tab, see ISO 8092-1 (6,3 x 0,8 OH) or ISO 8092-3 (6,3 x 0,8).
X is the tab length required for engaging the female contact (functional area of the tab).
Retention features can be within this length.

(10) Only apliccable for PY26d

- (1) Plan de référence.

(2) Dans ces zones, des traversées ou des encastréments sont autorisés.

(3) La méthode de fixation de la lampe dans la douille doit être telle qu'aucune force dans la direction de l'axe de référence de la lampe ne s'exerce à l'intérieur de cette zone.

(4) Cette dimension définit la démarcation entre l'espace qui peut être occupé par des parties de la lampe et celui qui peut être occupé par des parties de la douille et/ou du réflecteur.

(5) À vérifier avec le calibre selon la feuille 7006-5A.

(6) Cette dimension indique la hauteur sur laquelle s'applique la dimension M avec ses valeurs minimale et maximale, à l'exception des zones de transition entre les trois tenons de support et le cylindre M, où le rayon r3 s'applique.
Au-delà de la dimension W et jusqu'à la fin de la dimension G, le diamètre M ne doit pas être supérieur à la dimension maximale mesurée à l'intérieur de W. Mmin ne s'applique pas au-delà de W.

(7) Le rayon r1 doit être inférieur ou égal à la dimension T.

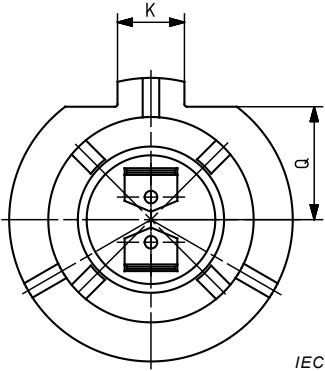
(8) Les positions des languettes de contact ne doivent pas dévier de la position indiquée de plus de ±2°.
À vérifier avec le calibre selon la feuille 7006-5A.

(9) Pour toutes les autres dimensions de la languette de connexion, voir l'ISO 8092-1 (6,3 x 0,8 OH) ou l'ISO 8092-3 (6,3 x 0,8).
X est la longueur de la languette nécessaire pour engager le contact femelle (zone fonctionnelle de la languette).
Les éléments de retenue peuvent être compris dans cette longueur.

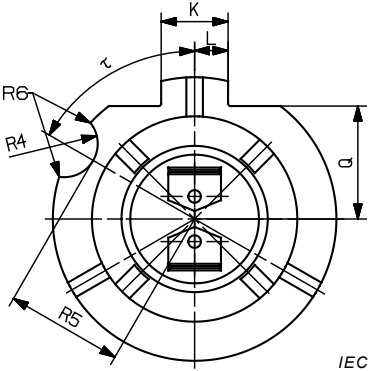
(10) Seulement applicable pour PY26d

GAUGING: Caps PX26d shall fulfil the tests of the gauges shown on sheets 7006-5, 7006-5A and 7006-5B.

VÉRIFICATION: Les culots PX26d doivent satisfaire aux essais avec les calibres selon les feuilles 7006-5, 7006-5A et 7006-5B.



PX26d



PY26d-1 ... PY26d-7

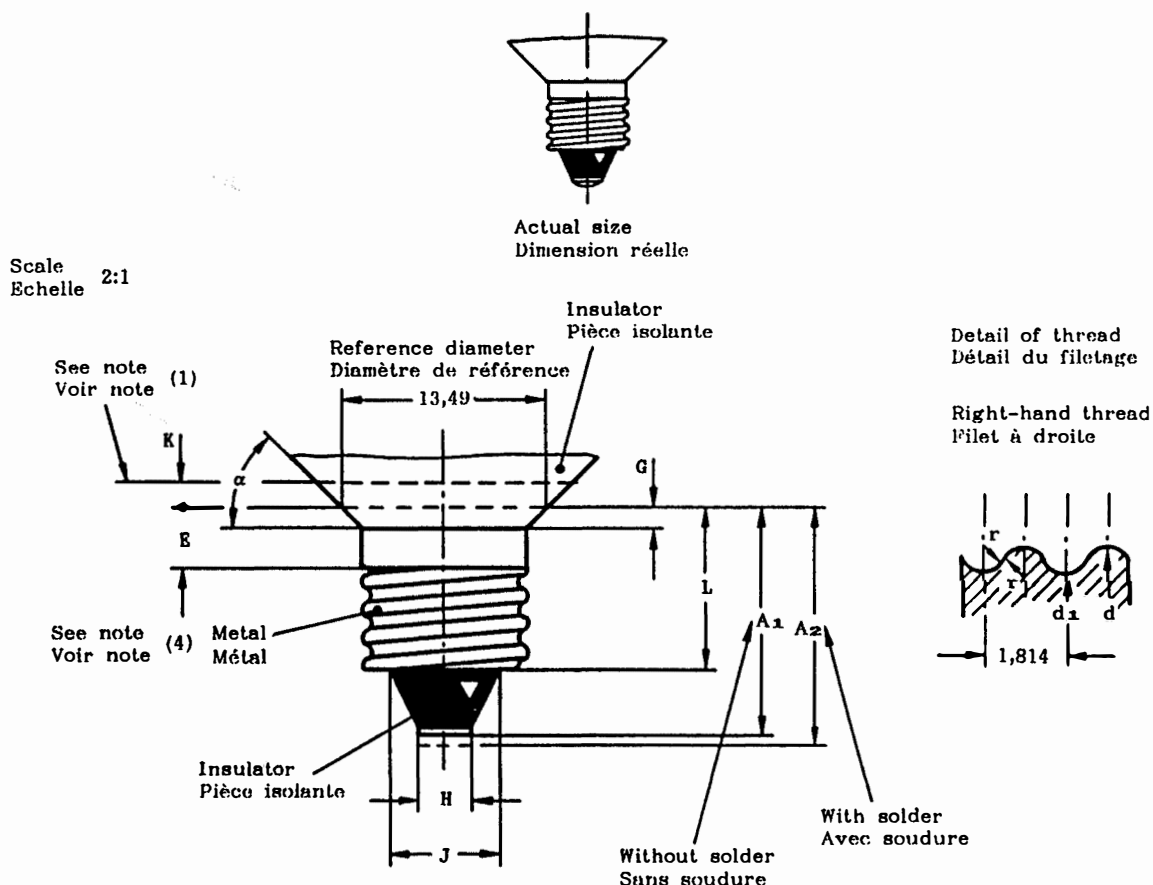
SCREW CAPS
CULOTS A VIS
E11

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Dimensions in millimetres - Dimensions en millimètres

The drawings are intended only to indicate the dimensions essential for interchangeability.
Les dessins ont pour seul but d'indiquer les dimensions essentielles pour l'interchangeabilité.

For details of lampholder E11, see sheet 7005-6.
Pour les détails de la douille E11, voir feuille 7005-6.



For finished lamps the clearance and creepage distances over insulation shall be not less than 3,18 mm.
Pour les lampes terminées les distances d'isolement dans l'air et les lignes de fuite sur l'isolant ne doivent pas être inférieures à 3,18 mm.

SCREW CAPS
CULOTS A VIS
E11

Dimensions in millimetres - Dimensions en millimètres

Dimension	Standard dimensions Dimensions normalisées		Nearest equivalents in inches Equivalents arrondis en pouces	
	Min.	Max.	Min.	Max.
A ₁ (2)(3)	13,97	14,99	0,550	0,590
A ₂ (2)	13,97	15,62	0,550	0,615
E (2)	-	4,09	-	0,161
G (2)	1,35	-	0,053	-
H	-	3,56	-	0,140
J	-	7,62	-	0,300
K (1)	1,57	-	0,062	-
L (2)	9,40	10,54	0,370	0,415
d	10,54	10,80	0,415	0,425
d ₁	-	9,78	-	0,385
r	0,531		0,021	
α	43°	47°	43°	47°

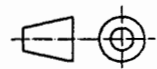
- (1) Above this line the diameter of the cap is not restricted to the conical section shown.
 (2) Dimensions A₁, A₂, E, G and L are measured from the reference diameter of 13,49 mm.
 (3) This dimension is solely for cap design and is not to be gauged on the finished lamp.
 (4) The upper edge of the metal shell shall not extend into the conical section of the cap.

- (1) Au-dessus de cette ligne, le diamètre du culot n'est pas limité à la section conique indiquée.
 (2) Les dimensions A₁, A₂, E, G et L sont mesurées du diamètre de référence de 13,49 mm.
 (3) Cette dimension n'est donnée que pour la conception du culot et ne doit pas être vérifiée sur la lampe terminée.
 (4) Le bord supérieur de la chemise métallique ne doit pas déborder de la section conique du culot.

SCREW CAPS

CULOTS A VIS

EY10

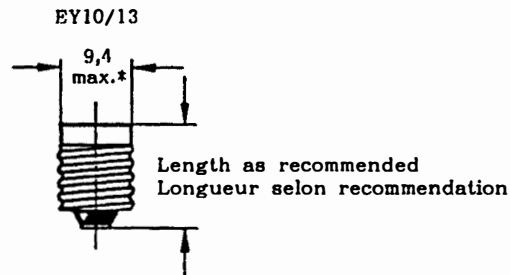


Page 1/2

Dimensions in millimetres - Dimensions en millimètres

The drawing is intended only to illustrate the dimensions essential for interchangeability.
Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

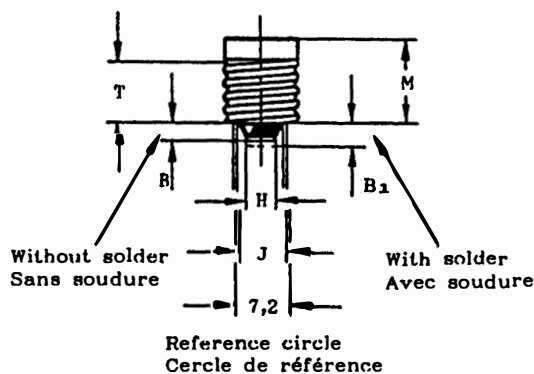
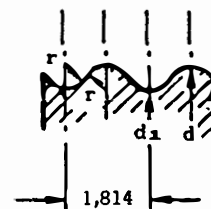
For details of holder EY10, see sheet 7005-7.
Pour les détails de la douille EY10, voir feuille 7005-7.



Recommended length - Longueur recommandée
 $13,5 \text{ mm} \pm 0,3 \text{ mm}^*$

Caps may be made with a flare the diameter* of which shall be not more than 1 mm greater than the maximum permissible diameter of the cap without a flare.

Les culots peuvent être munis d'un évasement sous la condition que le diamètre* de cet évasement n'excède pas de plus de 1 mm le diamètre maximum permis du culot correspondant sans évasement.



Detail of thread
Détail du filetage

Right-hand thread
Filet à droite

SCREW CAPS

CULOTS A VIS

EY10

Page 2/2

Dimensions in millimetres - Dimensions en millimètres

Dimension	Unmounted caps*		Caps on finished lamps	
	Culots non-assemblés*		Culots sur lampes terminées	
	Min.	Max.	Min.	Max.
B (3)	-	2,5	- (4)	-
B ₁ (3)	-	-	1,9 (4)	3,5
H (1)	3,5	4,0	-	-
J	-	6,6	-	6,6
M (3)	11,0	-	11,0	-
T (2)(3)	7,4	-	7,4	-
d	9,27	9,53(u.c.)	9,27	9,53
d ₁	-	8,51(u.c.)	-	8,51
r	0,531			

* These dimensions are solely for cap design and are not to be gauged on the finished lamp.

- (1) This dimension is checked with a millimetre scale.
- (2) "T" is the distance from the reference circle to the completion of the effective thread.
- (3) Dimensions B, B₁, M and T are measured from the reference circle.
- (4) On finished lamps, the creepage distance over insulation shall be not less than 2 mm.

* Ces dimensions ne s'appliquent qu'au culot et n'ont pas à être vérifiées sur la lampe terminée.

- (1) Cette dimension est vérifiée avec une règle millimétrée.
- (2) "T" s'entend depuis le cercle de référence jusqu'à l'endroit où le filetage cesse d'être effectif.
- (3) Les dimensions B, B₁, M et T sont mesurées depuis le cercle de référence.
- (4) Sur les lampes terminées, la ligne de fuite sur l'isolant ne doit pas être inférieure à 2 mm.

GAUGING: Caps EY10 shall fulfil the tests of the gauges shown on sheets 7006-7 and 7006-28E.

VERIFICATION: Les culots EY10 doivent satisfaire aux essais avec les calibres selon les feuilles 7006-7 et 7006-28E.

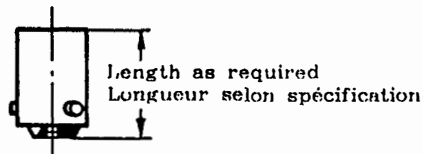
BAYONET CAPS
CULOTS A BAIONNETTE
BAX9s

Page 1/2

Dimensions in millimetres - Dimensions en millimètres

The drawings are intended only to indicate the dimensions essential for interchangeability.
Les dessins ont pour seul but d'indiquer les dimensions essentielles pour l'interchangeabilité.

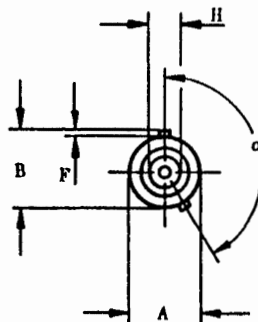
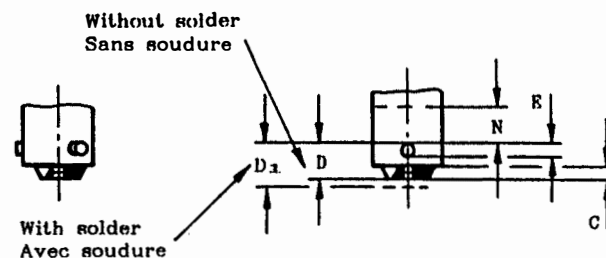
For details of lampholder BAX9s, see sheet 7005-8.
Pour les détails de la douille BAX9s, voir feuille 7005-8.



Recommended lengths - Longueurs recommandées
13,1 & 14 Nom.

Caps may be made with a flare* the diameter of which shall be not more than 0,5 mm greater than the maximum permissible diameter of the corresponding cap without a flare.

Les culots peuvent être munis d'un évasement* dont le diamètre ne doit pas excéder de plus de 0,5 mm le diamètre maximal permis du culot correspondant sans évasement.



BAYONET CAPS
CULOTS A BAIONNETTE
BAX98

Page 2/2

Dimensions in millimetres - Dimensions en millimètres

Dimension	Unmounted caps*		Caps on finished lamps	
	Culots non assemblés*		Culots sur lampes terminées	
	Min.	Max.	Min.	Max.
A (2)	9,08	9,20	9,08	9,25
B (3)	9,75	10,11	9,75	10,16
C	1,5	-	-	-
D	4,3	5,2	-	-
D ₁	-	-	4,3	5,9
E	1,5	1,7	1,5	1,7
F (3)	0,64	-	0,64	-
H (1)	3,5	4,0	3,5	4,0
N (2)	4,5	-	4,5	-
α	Nom. 150°		-	

* These dimensions are solely for cap design and are not to be gauged on the finished lamp.

(1) This dimension is checked with a millimetre scale.

(2) Dimension N denotes the minimum length over which both the maximum and the minimum limits of dimension A shall be observed. Below dimension N only the limits for dimension A maximum apply. Compliance with the requirements regarding dimension A maximum for caps on finished lamps shall be checked only with the relevant gauge shown on sheet 7006-9.

The requirements regarding dimension A minimum for caps on finished lamps are as follows:

- a) In every horizontal plane within dimension N, there shall be at least one direction in which the diameter is 9,08 mm or greater.
- b) In no direction in any plane within dimension N shall the diameter be less than 8,99 mm. This value is under consideration.

Compliance with these requirements shall be checked with a suitable caliper measuring device having flat anvils 2 mm wide and a measuring accuracy of + 0,0 - 0,01 mm. The points of measurement shall extend from a plane 0,5 mm above the pins up to the minimum value of dimension N.

(3) The radius of the edge of the relevant pin shall not exceed 0,2 mm when dimension B is at the minimum value of 9,75 mm. If dimension B exceeds 9,75 mm, the radius may be increased accordingly. This requirement applies only to the half of the edge adjacent to the bulb.

* Ces dimensions ne s'appliquent qu'au culot et n'ont pas à être vérifiées sur la lampe terminée.

(1) Cette dimension est vérifiée avec une règle millimétrée.

(2) La dimension N définit l'intervalle minimal le long duquel à la fois les limites maximale et minimale de la dimension A doivent être respectées. Au-dessous de la dimension N, les limites maximales de la dimension A s'appliquent.

La conformité aux prescriptions relatives à la dimension A maximale pour culots sur lampes terminées est vérifiée seulement avec le calibre approprié de la feuille 7006-9.

Les prescriptions concernant la dimension A minimale pour culots sur lampes terminées sont les suivantes:

- a) Dans chaque plan horizontal contenu dans la dimension N, il doit y avoir au moins une direction dans laquelle le diamètre est égal à 9,08 mm ou plus.
- b) Dans aucune direction d'aucun plan contenu dans la dimension N, le diamètre ne doit être inférieur à 8,99 mm. Cette valeur est à l'étude.

La conformité à ces prescriptions est vérifiée à l'aide d'un calibre approprié ayant des mâchoires de 2 mm d'épaisseur et une précision de mesure de + 0,0 - 0,01 mm. Les points de mesure se situent entre un plan à 0,5 mm au-dessus des ergots et la valeur minimale de la dimension N.

(3) Le rayon du bord de l'ergot considéré ne doit pas dépasser 0,2 mm lorsque la dimension B est à la valeur minimale de 9,75 mm. Si la dimension B dépasse 9,75 mm, le rayon peut être augmenté en conséquence. Cette prescription ne s'applique qu'à la moitié du bord de l'ergot situé du côté de la lampe.

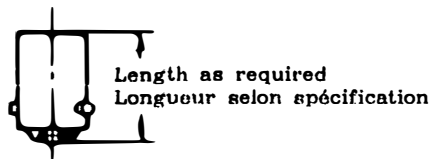
BAYONET CAPS
CULOTS A BAIONNETTE
BAY9s

Page 1/2

Dimensions in millimetres - Dimensions en millimètres

The drawings are intended only to indicate the dimensions essential for interchangeability.
Les dessins ont pour seul but d'indiquer les dimensions essentielles pour l'interchangeabilité.

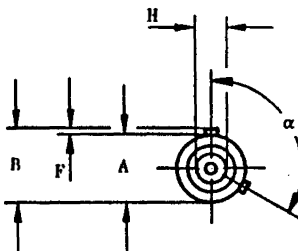
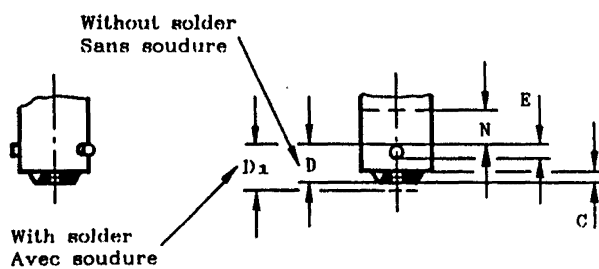
For details of lampholder BAY9s, see sheet 7005-9.
Pour les détails de la douille BAY9s, voir feuille 7005-9.



Recommended length - Longueur recommandée
14 Nom.

Caps may be made with a flare* the diameter of which shall be not more than 0,5 mm greater than the maximum permissible diameter of the corresponding cap without a flare.

Les culots peuvent être munis d'un évasement* dont le diamètre ne doit pas excéder de plus de 0,5 mm le diamètre maximal permis du culot correspondant sans évasement.



BAYONET CAPS
CULOTS À BAIONNETTE
BAY9s

Page 2/2

Dimensions in millimetres - Dimensions en millimètres

Dimension	Unmounted caps*		Caps on finished lamps	
	Culots non assemblés*		Culots sur lampes terminées	
	Min.	Max.	Min.	Max.
A (2)	9,08	9,20	9,08	9,25
B (3)	9,75	10,11	9,75	10,16
C	1,5	-	-	-
D	4,3	5,2	-	-
D ₁	-	-	4,3	5,9
E	1,5	1,7	1,5	1,7
F (3)	0,64	-	0,64	-
H (1)	3,5	4,0	3,5	4,0
N (2)	7,8	-	7,8	-
α	Nom. 120°		-	

* These dimensions are solely for cap design and are not to be gauged on the finished lamp.

(1) This dimension is checked with a millimetre scale.

(2) Dimension N denotes the minimum length over which both the maximum and the minimum limits of dimension A shall be observed. Below dimension N only the limits for dimension A maximum apply.

Compliance with the requirements regarding dimension A maximum for caps on finished lamps shall be checked only with the relevant gauge shown on sheet 7006-9.

The requirements regarding dimension A minimum for caps on finished lamps are as follows:

- a) In every horizontal plane within dimension N, there shall be at least one direction in which the diameter is 9,08 mm or greater.
- b) In no direction in any plane within dimension N shall the diameter be less than 8,99 mm. This value is under consideration.

Compliance with these requirements shall be checked with a suitable caliper measuring device having flat anvils 2 mm wide and a measuring accuracy of + 0,0 - 0,01 mm. The points of measurement shall extend from a plane 0,5 mm above the pins up to the minimum value of dimension N.

(3) The radius of the edge of the relevant pin shall not exceed 0,2 mm when dimension B is at the minimum value of 9,75 mm. If dimension B exceeds 9,75 mm, the radius may be increased accordingly. This requirement applies only to the half of the edge adjacent to the bulb.

* Ces dimensions ne s'appliquent qu'au culot et n'ont pas à être vérifiées sur la lampe terminée.

(1) Cette dimension est vérifiée avec une règle millimétrée.

(2) La dimension N définit l'intervalle minimal le long duquel à la fois les limites maximale et minimale de la dimension A doivent être respectées. Au-dessous de la dimension N, les limites maximales de la dimension A s'appliquent.

La conformité aux prescriptions relatives à la dimension A maximale pour culots sur lampes terminées est vérifiée seulement avec le calibre approprié de la feuille 7006-9.

Les prescriptions concernant la dimension A minimale pour culots sur lampes terminées sont les suivantes:

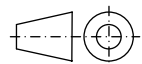
- a) Dans chaque plan horizontal contenu dans la dimension N, il doit y avoir au moins une direction dans laquelle le diamètre est égal à 9,08 mm ou plus.
- b) Dans aucune direction d'aucun plan contenu dans la dimension N, le diamètre ne doit être inférieur à 8,99 mm. Cette valeur est à l'étude.

La conformité à ces prescriptions est vérifiée à l'aide d'un calibre approprié ayant des mâchoires de 2 mm d'épaisseur et une précision de mesure de + 0,0 - 0,01 mm. Les points de mesure se situent entre un plan à 0,5 mm au-dessus des ergots et la valeur minimale de la dimension N.

(3) Le rayon du bord de l'ergot considéré ne doit pas dépasser 0,2 mm lorsque la dimension B est à la valeur minimale de 9,75 mm. Si la dimension B dépasse 9,75 mm, le rayon peut être augmenté en conséquence.

Cette prescription ne s'applique qu'à la moitié du bord de l'ergot situé du côté de la lampe.

CAPS
CULOTS
B22d

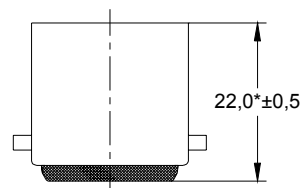
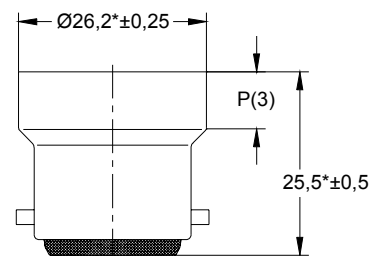


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Dimensions in millimetres - Dimensions en millimètres

The drawing is intended only to illustrate the dimensions essential for interchangeability.
Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

For details of holder B22d, see sheet 7005-10.
Pour les détails de la douille B22d, voir feuille 7005-10.

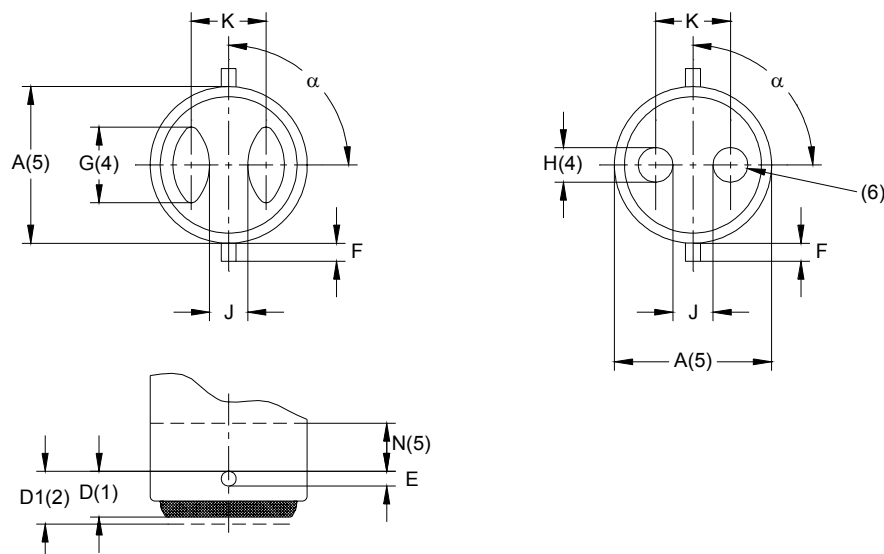
B22d/22**B22d/25x26**

The drawings shown above are purely informative and are shown to sponsor component rationalization.

Caps may be made with a flare*, the diameter of which shall be not more than 1 mm greater than the maximum permissible diameter of the corresponding cap without a flare.

Les dessins présentés ci-dessus sont donnés uniquement à titre d'information, et dans le but de faciliter la rationalisation des composants.

Les culots peuvent être munis d'un évasement* à condition que le diamètre de cet évasement n'excède pas de plus de 1 mm le diamètre maximal permis du culot sans évasement correspondant.



* This dimension is solely for cap design and is not to be gauged on the finished lamp.

* Cette dimension s'applique seulement au culot et ne doit pas être vérifiée sur la lampe terminée.

Dimension	Min.	Max.
A (5)	21,75	22,15
D* (1)	6,0	6,8
D1 (2)	--	8,0
E	1,8	2,2
F	2,3	2,7
G (4)	10	--
H (4)	4,8	--
J	1,7	--
K*	10,3	10,5
N (5)	6,7	
P* (3)	7,5	8,5
α*	88°	92°

(1) Dimension D is applicable to unmounted caps only.

(2) Dimension D1 is applicable to caps on finished lamps only. The contact-making surfaces shall protrude beyond the insulation surface.

(3) Dimension P denotes the length over which the skirt shall be cylindrical.

(4) This dimension is checked with a millimetre scale.

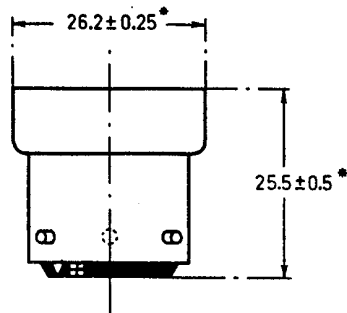
(5) Dimension N denotes the length over which both the minimum and maximum limits of dimension A shall be observed. Below dimension N, only the limits for dimension A maximum apply.

(6) In the area where the contacts of the lampholder may land on the insulation surface of caps with round contacts during insertion into the lampholder, this surface shall be shaped in such a way as to allow the holder contacts to easily reach the intended operating position.

	<p>CAPS</p> <p>CULOTS</p> <p>B22d</p>	Page 2/2
<p>Dimensions in millimetres - Dimensions en millimètres</p> <p>(1) La dimension D s'applique seulement aux culots non-assemblés.</p> <p>(2) La dimension D1 s'applique seulement aux culots sur lampes terminées. Les surfaces de contact doivent dépasser la surface de l'isolant.</p> <p>(3) La dimension P indique la longueur sur laquelle le col doit être cylindrique.</p> <p>(4) Cette dimension est vérifiée avec une règle millimétrée.</p> <p>(5) La dimension N définit l'intervalle minimal le long duquel les limites minimale et maximale de la dimension A doivent être respectées. Au-dessous de l'intervalle N, seule la valeur maximale de la dimension A s'applique.</p> <p>(6) Lors de l'introduction du culot à contacts ronds dans la douille, les contacts de la douille peuvent rencontrer la surface de l'isolant de ce culot, cette zone doit avoir une forme qui permette aux contacts de la douille de se positionner correctement.</p> <p>GAUGING: Caps B22d shall fulfil the tests of the gauges shown on sheets 7006-4A, 7006-4B, 7006-10 and 7006-11. VERIFICATION: Les culots B22d doivent satisfaire aux essais avec les calibres selon les feuilles 7006-4A, 7006-4B, 7006-10 et 7006-11.</p>		
<p>7004-10-7</p>		

BAYONET CAP
CULOT À BAÏONNETTE
B22d-3 (90°/135°)/25×26

Dimensions in millimetres — Dimensions en millimètres
 The drawings are intended only to indicate the dimensions to be controlled.
 Les dessins ont pour seul but d'indiquer les dimensions à contrôler.



Caps may be made with a flare* the diameter of which shall be not more than 1 mm greater than the maximum permissible diameter of the corresponding cap without a flare.
 For finished lamps the creeping distance over insulation shall be not less than 3 mm between live parts and not less than 2.5 mm between live parts and the metal shell.

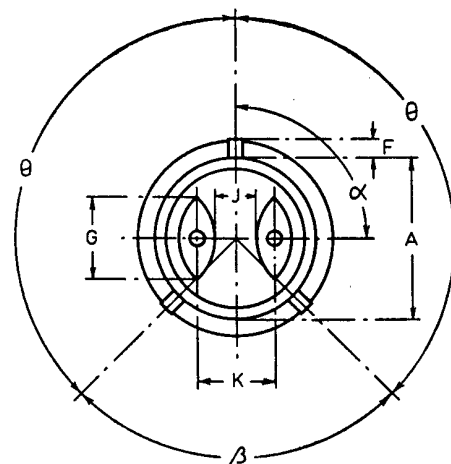
Les culots peuvent être munis d'un évasement* sous la condition que le diamètre de cet évasement n'excède pas de plus de 1 mm le diamètre maximum permis du culot correspondant sans évasement.
 Pour les lampes terminées, la ligne de fuite ne devra pas être inférieure à 3 mm sur l'isolant entre les parties sous tension, et à 2,5 mm sur l'isolant entre les parties sous tension et la chemise métallique.

* These dimensions are solely for cap design and are not to be gauged on the finished lamp.

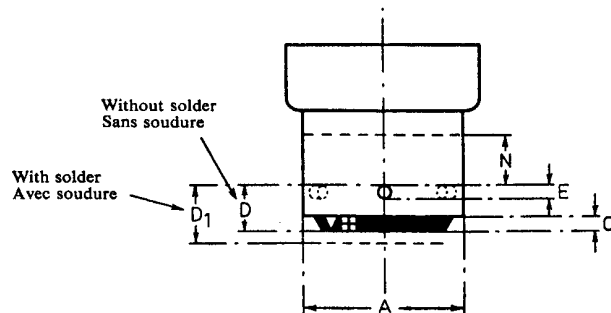
- (1) This dimension is checked with a millimetre scale.
- (2) "N" denotes the minimum length to which dimension "A" must conform.
- (3) The angles θ and β are checked by gauge 7006-19.

* Ces dimensions s'appliquent seulement au culot et ne doivent pas être vérifiées sur la lampe terminée.

- (1) Cette dimension est contrôlée avec une règle millimétrée.
- (2) «N» désigne la longueur minimum, sur laquelle la dimension «A» doit être respectée.
- (3) Les angles θ et β sont vérifiés au moyen du calibre 7006-19.

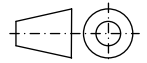


Dimension	Min.	Max.
A	21.75	22.15
C	1.5*	—
D	6.0	7.0*
D ₁	—	8.0
E	1.8	2.2
F	2.3	2.7
G (1)	10.0	—
J (1)	4.0	—
K	10.0*	11.3*
N (2)	6.7	—
α	82°30'	97°30'
θ (3)	135°	
β (3)	90°	



7004-10A-2

CAPS
CULOTS
B15d

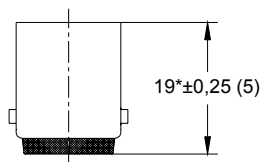
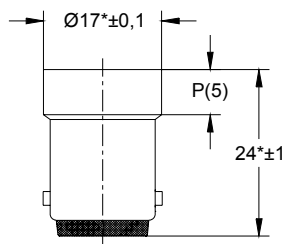
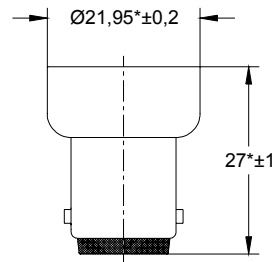


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Dimensions in millimetres - Dimensions en millimètres

The drawing is intended only to illustrate the dimensions essential for interchangeability.
Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

For details of holder B15d, see sheet 7005-16.
Pour les détails de la douille B15d, voir feuille 7005-16.

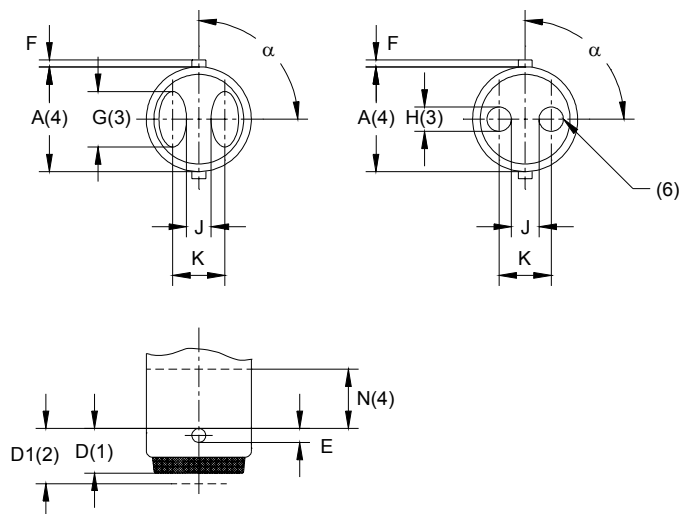
B15d/19**B15d/24x17****B15d/27x22**

The drawings shown above are purely informative and are shown to sponsor component rationalization.

Caps may be made with a flare*, the diameter of which shall be not more than 1 mm greater than the maximum permissible diameter of the corresponding cap without a flare.

Les dessins présentés ci-dessus sont donnés uniquement à titre d'information, et dans le but de faciliter la rationalisation des composants.

Les culots peuvent être munis d'un évasement* à condition que le diamètre de cet évasement n'excède pas de plus de 1 mm le diamètre maximal permis du culot sans évasement correspondant.



* This dimension is solely for cap design and is not to be gauged on the finished lamp.

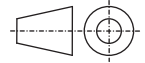
* Cette dimension s'applique seulement au culot et ne doit pas être vérifiée sur la lampe terminée.

Dimension	Min.	Max.
A (4)	15,0	15,25
D* (1)	6,0	6,6
D1 (2)	--	7,5
E	1,8	2,2
F	0,9	1,1
G (3)	Approx. 9	
H (3)	3,5	--
J	1,7	--
K*	7,0	8,0
N (4)	7,0	
P* (5)	6	7
α*	88°	92°

- (1) Dimension D is applicable to unmounted caps only.
- (2) Dimension D1 is applicable to caps on finished lamps only. The contact-making surfaces shall protrude beyond the insulation surface.
- (3) This dimension is checked with a millimetre scale.
- (4) Dimension N denotes the length over which both the minimum and maximum limits of dimension A shall be observed. Below dimension N, only the limits for dimension A maximum apply.
- (5) Dimension P denotes the length over which the skirt shall be cylindrical.
- (6) In the area where the contacts of the lampholder may land on the insulation surface of caps with round contacts during insertion into the lampholder, this surface shall be shaped in such a way as to allow the holder contacts to easily reach the intended operating position.

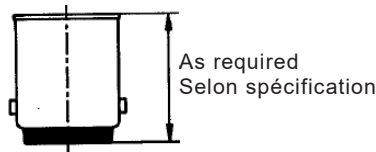
	<p>CAPS</p> <p>CULOTS</p> <p>B15d</p>	Page 2/2
<p>Dimensions in millimetres - Dimensions en millimètres</p> <p>(1) La dimension D s'applique seulement aux culots non-assemblés.</p> <p>(2) La dimension D1 s'applique seulement aux culots sur lampes terminées. Les surfaces de contact doivent dépasser la surface de l'isolant.</p> <p>(3) Cette dimension est vérifiée au millimètre près.</p> <p>(4) La dimension N définit l'intervalle minimal le long duquel les limites minimale et maximale de la dimension A doivent être respectées. Au-dessous de l'intervalle N, seule la valeur maximale de la dimension A s'applique.</p> <p>(5) La dimension P indique la longueur sur laquelle le col doit être cylindrique.</p> <p>(6) Lors de l'introduction du culot à contacts ronds dans la douille, les contacts de la douille peuvent rencontrer la surface de l'isolant de ce culot, cette zone doit avoir une forme qui permette aux contacts de la douille de se positionner correctement.</p> <p>GAUGING: Caps B15d shall fulfil the tests of the gauges shown on sheets 7006-4A, 7006-4B, 7006-10 and 7006-11. VERIFICATION: Les culots B15d doivent satisfaire aux essais avec les calibres selon les feuilles 7006-4A, 7006-4B, 7006-10 et 7006-11.</p>		
7004-11-6		 <p>Documents</p> <p>Document Sharing Hub</p> <p>CEI 60061-1 CEI 60061-1</p>

CAPS
CULLOTS
BA15



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Dimensions in millimetres - Dimensions en millimètres
The drawing is intended only to illustrate the essential dimensions of the gauge.
Le dessin a pour seul but d'illustrer les dimensions essentielles du calibre.
For details of lamp holders BA15, see sheet 7005-13.
Pour les détails des douilles BA15, voir feuille 7005-13.

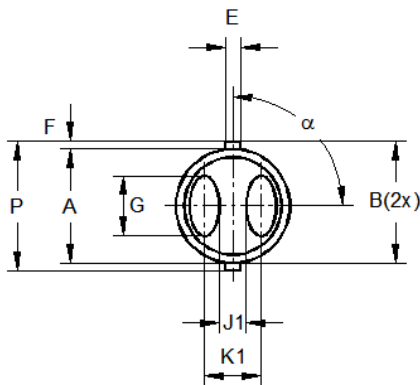


IEC

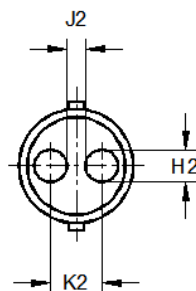
(*) Recommended lengths: 17,5 mm $\pm$ 0,25 mm, 19,0 mm $\pm$ 0,25 mm, 21,0 mm $\pm$ 0,25 mm.
(*) Longueurs recommandées: 17,5 mm $\pm$ 0,25 mm, 19,0 mm $\pm$ 0,25 mm, 21,0 mm $\pm$ 0,25 mm.

Caps may be made with a flare*, the diameter of which shall be not more than 1 mm greater than the maximum permissible diameter of the corresponding cap without a flare.

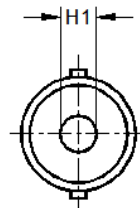
Les culots peuvent être munis d'un évasement* à condition que le diamètre de cet évasement n'excède pas de plus de 1 mm le diamètre maximal permis du culot correspondant sans évasement.

BA15d

Oval contacts
Plaquettes de
contact ovales



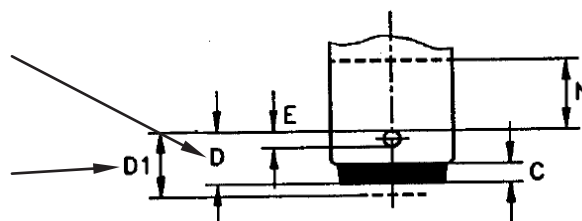
Circular contacts
Plaquettes de
contact circulaires

BA15s

All other dimensions as for BA15d
Toutes les autres dimensions sont
les mêmes que pour BA15d

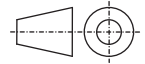
Without solder
Sans soudure

With solder
Avec soudure



7004-11A-10

CAPS
CULLOTS
BA15



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Dimensions in millimetres - Dimensions en millimètres

Standard dimensions / Dimensions normalisées				
Dimension	Unmounted caps* Culots non-assemblés*		Caps on finished lamps Culots sur lampes terminées	
	Min.	Max.	Min.	Max.
A (1)	15,05	15,25	15,05	15,30
B (2)	15,65	16,10	15,65	16,15
C	1,5	--	--	--
D	6,0	6,6	--	--
D1 (3)	--	--	6,32	7,5 (4)
E	1,8	2,2	1,8	2,2
F (2)	0,64	--	0,64	--
G	Approx. 9		--	
H1	3,5	5,2	--	--
H2	3,5	--	--	--
J1	3,0	--	--	--
J2	1,7	--	--	--
K1	7,0	8,0	--	--
K2	6,5	7,1	--	--
N (1)	8,9	--	8,9	--
P	--	16,95	--	17,0
α	Nom. 90°		--	

* This dimension is solely for cap design and is not to be gauged on finished lamps.

* Cette dimension s'applique seulement au culot et ne doit pas être vérifiée sur la lampe terminée.

- (1) Dimension N denotes the minimum length over which both the minimum and the maximum limits of dimension A shall be observed. Below dimension N only the limits for dimension A maximum apply. Compliance with the requirements regarding dimension A maximum for caps on finished lamps shall be checked only with the relevant gauge shown on sheet 7006-11. The requirements regarding dimension A minimum for caps on finished lamps are as follows:
- in every horizontal plane within dimension N, there shall be at least one direction in which the diameter is 15,05 mm or greater;
 - in no direction in any plane within dimension N shall the diameter be less than 14,92 mm. Compliance with these requirements shall be checked with a suitable calliper measuring device having flat anvils 3 mm wide and a measuring accuracy of + 0,0 / 0,01 mm. The points of measurement shall extend from a plane 0,5 mm above the pins up to the minimum value of dimension N.
- (2) The radius of the edge of the relevant pin shall not exceed 0,2 mm when dimension B is at the minimum value of 15,65 mm. If dimension B exceeds 15,65 mm, the radius may be increased accordingly. This requirement applies only to the half of the edge adjacent to the bulb.
- (3) On caps on finished lamps having circular contacts, the difference in height between the two soldered contacts shall be within 0,5 mm.
- (4) Attention is drawn to the fact that in North America dimension D1 has a maximum value of 8,03 mm.
- (1) La dimension N définit l'intervalle minimal le long duquel à la fois les limites maximales et minimales de la dimension A doivent être respectées. Au-dessous de la dimension N, seules les limites maximales de la dimension A s'appliquent. La conformité aux exigences relatives à la dimension A maximale pour culots sur lampes terminées est vérifiée seulement avec le calibre approprié de la feuille 7006-11. Les exigences concernant la dimension A minimale pour culots sur lampes terminées sont les suivantes:
- dans chaque plan horizontal contenu dans la dimension N, il doit y avoir au moins une direction dans laquelle le diamètre est égal à 15,05 mm ou plus;
 - dans aucune direction d'aucun plan contenu dans la dimension N, le diamètre ne doit être inférieur à 14,92 mm. La conformité à ces exigences doit être vérifiée à l'aide d'un calibre à coulisse approprié, ayant des mâchoires plates de 3 mm d'épaisseur et une précision de + 0,0 / 0,01 mm. Les points de mesure se situent entre un plan à 0,5 mm au-dessus des ergots et la valeur minimale de la dimension N.
- (2) Le rayon du bord de l'ergot considéré ne doit pas dépasser 0,2 mm lorsque la dimension B est à la valeur minimale de 15,65 mm. Si la dimension B dépasse 15,65 mm, le rayon peut être augmenté en conséquence. Cette exigence ne s'applique qu'à la moitié du bord de l'ergot situé du côté de la lampe.
- (3) Pour les culots à contacts circulaires, la différence de hauteur entre les soudures des deux contacts sur les lampes terminées ne doit pas dépasser 0,5 mm.
- (4) L'attention est attirée sur le fait qu'en Amérique du Nord, la dimension D1 présente une valeur maximale de 8,03 mm.