



BSI Standards Publication

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

Part 2: Lampholders

National foreword

This British Standard is the UK implementation of EN 60061-2:1993+A59:2023. It is derived from IEC 60061-2:1969 together with supplements 2A to 2S and amendments 18 to 59, incorporating corrigendum July 2023. It supersedes BS EN 60061-2:1993+A58:2022, which is withdrawn.

NOTE There are no amendments A8 to A17 to EN 60061-2.

The UK participation in its preparation was entrusted to Technical Committee CPL/34, Lamps and Related Equipment.

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

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 and E39).

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.

The amendment by which each page of the International Standard was introduced is indicated by the shoulder heading at the top of the page (e.g. 60061-2 Amend. 28 © CEI/IEC:2003), showing the amendment number and date of amendment. Where no extension appears, the page is part of the original International Standard.

To facilitate reproduction, pages from IEC 60061-2 containing dual language text have been used in the production of this part of BS EN 60061.

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2024
Published by BSI Standards Limited 2024

ISBN 978 0 539 27918 4

ICS 29.140.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 15 May 1997.

Amendments/corrigenda issued since publication

Date	Text affected
30 November 1997	See national foreword
28 February 1999	See national foreword
31 December 1999	See national foreword
31 July 2001	See national foreword
31 May 2002	See national foreword
31 January 2003	See national foreword
30 September 2003	See national foreword
31 January 2004	See national foreword
31 April 2005	See national foreword
30 June 2010	Implementation of IEC amendments 33:2005, 34:2006, 35:2006, 36:2007, 37:2008, 38:2009 and 39:2009 with the corresponding CENELEC endorsements A33:2005, A34:2006, A35:2007, A36:2007, A37:2008, A38:2009 and A39:2009
31 May 2012	Implementation of IEC amendments 40:2010, 41:2010, 42:2011, 43:2011 and 44:2011 with the corresponding CENELEC endorsements A40:2010, A41:2010, A42:2011, A43:2011 and A44:2012
30 January 2013	Implementation of IEC amendment 45:2012 with CENELEC endorsement A45:2012
31 May 2015	Implementation of IEC amendments 46:2013 and 47:2014 with CENELEC endorsements A46:2013 and A47:2013
29 February 2016	Implementation of IEC amendments 48:2014, 49:2015 and 50:2015 with CENELEC endorsements A48:2015, A49:2015 and A50:2015

Date	Text affected
31 March 2019	Implementation of IEC amendments 51:2016, 52:2017, 53:2017 and 54:2018 with CENELEC endorsements A51:2016, A52:2017, A53:2018 and 54:2018
30 November 2022	Implementation of IEC amendments 55:2020, 56:2020, 57:2020 and 58:2022 with CENELEC endorsements A55:2020, A56:2020, A57:2021 and A58:2022
31 August 2023	Implementation of IEC amendment 59:2023 with CENELEC endorsement A59:2023
31 August 2024	Implementation of IEC corrigendum July 2023: Data sheet 7005-146-2, Page 2/4 table dimensions R, R1, T and r corrected

English Version

Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders

Culots de lampes et douilles ainsi que calibres pour le contrôle de l'interchangeabilité et de la sécurité - Partie 2: Douilles

Lampensockel und -fassungen sowie Lehren zur Kontrolle der Austauschbarkeit und Sicherheit - Teil 2: Lampenfassungen

This European Standard 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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: Rue de la Science 23, B-1040 Brussels

Foreword

This European Standard, based on the International Standard IEC 61-2 : 1969 + supplements A : 1970 to K : 1992 along with common modifications, was prepared by CENELEC Technical Committee TC 34Z, Luminaires and associated equipment.

NOTE. IEC 61-2 : 1969 + supplements A: 1970 to G : 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 60061-2 on 9 March 1993.

This European Standard supersedes HD 65.2 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 65.2 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.

Foreword to amendment A1

The text of the 11th supplement (IEC 61-2L : 1994) to the International Standard IEC 61-2 : 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 60061-2 : 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 60061-2 : 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 12th supplement (IEC 61-2M : 1994) to the International Standard IEC 61-2 : 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 60061-2 : 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 2:1995 to the International Standard IEC 60061-2:1969 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 13th supplement to IEC 61-2: 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 A3 to EN 60061-2 : 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 60061-2 : 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 60061-2:1969 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 14th supplement to IEC 61-2: 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 A4 to EN 60061-2 : 1993 on 1996-03-05.

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 60061-2 : 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 4:1996 to the International Standard IEC 60061-2:1969 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 15th 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 IEC-CENELEC parallel vote and was approved by CENELEC as amendment A5 to EN 60061-2 : 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 60061-2 : 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 60061-2:1969 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 16th supplement to IEC 61-2: 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 A6 to EN 60061-2 : 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 60061-2 : 1993 and its amendment A1 : 1995, A2 : 1995, A3 : 1995, A3 : 1995 and A5 : 1996 before 1997-07-01, 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 6:1996 to the International Standard IEC 60061-2:1969 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 17th supplement to IEC 60061-2 : 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 A7 to EN 60061-2 : 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 60061-2 : 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 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A18

The text of document 34B/745/FDIS, future amendment 18 to IEC 60061-2 : 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 A18 to EN 60061-2 : 1993 on 1998-04-01.

NOTE. There were no amendments A8 to A17 to EN 60061-2 : 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 18:1998 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A19

The text of document 34B/803/FDIS, future amendment 19 to IEC 60061-2: 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 A19 to EN 60061-2 : 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 19:1999 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A20

The text of document 34B/826/FDIS, future amendment 23 to IEC 60061-2: 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 A20 to EN 60061-2 : 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 (dow) 2006-08-01

Endorsement notice

The text of amendment 20:1999 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A21

The text of document 34B/872/FDIS, future amendment 21 to IEC 60061-2 : 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 A21 to EN 60061-2 : 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 21:2000 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A22

The text of document 34B/904/FDIS, future amendment 22 to IEC 60061-2 : 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 A22 to EN 60061-2 : 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 22:2001 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A23

The text of document 34B/907/FDIS, future amendment 23 to IEC 60061-2: 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 A23 to EN 60061-2 : 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 23:2001 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A24

The text of document 34B/950A/FDIS, future amendment 24 to IEC 60061-2: 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 A24 to EN 60061-2 : 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 24:2001 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A25

The text of document 34B/973/FDIS, future amendment 25 to IEC 60061-2 : 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 A25 to EN 60061-2 : 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) 2003-02-01
- 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 25:2002 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A26

The text of document 34B/990/FDIS, future amendment 26 to IEC 60061-2 : 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 60061-2 : 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 26:2002 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A27

The text of document 34B/1025/FDIS, future amendment 27 to IEC 60061-2 : 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 60061-2 : 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 27:2002 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A28

The text of document 34B/1071/FDIS, future amendment 28 to IEC 60061-2 : 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 A28 to EN 60061-2 : 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 28:2003 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A29

The text of document 34B/1082/FDIS, future amendment 29 to IEC 60061-2 : 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 A29 to EN 60061-2 : 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 29:2003 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A30

The text of document 34B/1101/FDIS, future amendment 30 to IEC 60061-2 : 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 60061-2 : 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 30:2003 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A31

The text of document 34B/1145/FDIS, future amendment 31 to IEC 60061-2 : 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 60061-2 : 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 31:2004 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A32

The text of document 34B/1166/FDIS, future amendment 32 to IEC 60061-2: 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 A32 to EN 60061-2 : 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 32:2004 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A33

The text of document 34B/1201/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 IECCENELEC parallel vote and was approved by CENELEC as amendment A33 to EN 60061-2 : 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 33:2005 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A34

The text of document 34B/1226/FDIS, future amendment 34 to IEC 60061-2 : 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 60061-2 : 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 34:2006 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A35

The text of document 34B/1260/FDIS, future amendment 35 to IEC 60061-2: 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 60061-12 : 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 35:2006 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A36

The text of document 34B/1306/FDIS, future amendment 36 to IEC 60061-2: 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 A36 to EN 60061-2 : 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 36:2007 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A37

The text of document 34B/1378/FDIS, future amendment 37 to IEC 60061-2 : 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 60061-2 : 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 37:2008 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A38

The text of document 34B/1427/FDIS, future amendment 38 to IEC 60061-2 : 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 60061-2 : 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 38:2009 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A39

The text of document 34B/1442/FDIS, future amendment 39 to IEC 60061-2: 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 60061-2 : 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 39:2009 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A40

The text of document 34B/1488/FDIS, future amendment 40 to IEC 60061-2:1969, 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 60061-2:1993 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 40:2010 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A41

The text of document 34B/1532/FDIS, future amendment 41 to IEC 60061-2:1969, 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 60061-2:1993 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 41:2010 to the International Standard IEC 60061-2:1969 was approved by CENELEC as an amendment to the European Standard without any modification.

Foreword to amendment A42

The text of document 34B/1572/FDIS, future edition 1 of IEC 60061-2:1969/A42, 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 60061-2:1993/A42:2011.

The following dates were 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) 2012-07-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-10-29

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 60061-2:1969/A42:2011 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A43

The text of document 34B/1596/FDIS, future edition 1 of IEC 60061-2:1969/A43, 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 60061-2:1993/A43:2011.

The following dates were 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) 2012-07-29
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-10-29

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 60061-2:1969/A43:2011 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A44

The text of document 34B/1616/FDIS, future edition 1 of IEC 60061-2:1969/A44, 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 60061-2:1993/A44:2012.

The following dates were 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) 2012-10-19
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-01-19

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 60061-2:1969/A44:2011 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A45

The text of document 34B/1644/FDIS, future Amendment 45 to edition 3 of IEC 60061-2, 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 60061-2:1993/A45:2012.

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 60061-2:1969/A45:2012 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A46

The text of document 34B/1669/FDIS, future edition 1 of IEC 60061-2:1969/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 60061-2:1993/A46:2013.

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 60061-2:1969/A46:2013 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A47

The text of document 34B/1711A/FDIS, future IEC 60061-2:1969/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 60061-2:1993/A47:2014.

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 60061-2:1969/A47:2014 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A48

The text of document 34B/1752/FDIS, future IEC 60061-2:1969/A48, 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 60061-2:1993/A48:2015.

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 60061-2:1969/A48:2014 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A49

The text of document 34B/1784/FDIS, future IEC 60061-2:1969/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 60061-2:1993/A49:2015.

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) 2016-05-28
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-08-28

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 60061-2:1969/A49:2015 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A50

The text of document 34B/1787/FDIS, future IEC 60061-2:1969/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 60061-2:1993/A50:2015.

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

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 60061-2:1969/A50:2015 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A51

The text of document 34B/1854/FDIS, future IEC 60061-2:1969/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 60061-2:1993/A51:2016.

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 60061-2:1969/A51:2016 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A52

The text of document 34B/1895/FDIS, future IEC 60061-2:1969/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 60061-2:1993/A52:2017.

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 60061-2:1969/A52:2017 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A53

The text of document 34B/1933/FDIS, future edition 1 of IEC 60061-2:1969/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 60061-2:1993/A53:2018.

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 60061-2:1969/A53:2017 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A54

The text of document 34B/1994/FDIS, future IEC 60061-2/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 60061-2:1993/A54:2018.

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 60061-2:1969/A54:2018 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A55

The text of document 34B/2074/FDIS, future IEC 60061-2/A55, 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 60061-2:1993/A55:2020.

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 60061-2:1969/A55:2020 was approved by CENELEC as a European Standard without any modification.

EN 60061-2:1993+A59:2023 (E)

Foreword to amendment A56

The text of document 34B/2078/FDIS, future IEC 60061-2/A56, 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 60061-2:1993/A56:2020.

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) 2021-03-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-06-17

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 60061-2:1969/A56:2020 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A57

The text of document 34B/2100/FDIS, future IEC 60061-2/A57, 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 60061-2:1993/A57:2021.

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 60061-2:1969/A57:2020 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A58

The text of document 34B/2137/FDIS, future IEC 60061-2/AMD58, 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 60061-2:1993/A58:2022.

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

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.

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 60061-2:1969/AMD58:2022 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A59

The text of document 34B/2153/CDV, future edition 3 of IEC 60061-2/AMD59, 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 60061-2:1993/A59:2023.

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) 2024-03-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-06-26

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.

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 60061-2:1969/AMD59:2023 was approved by CENELEC as a European Standard without any modification.

CONTENTS BY SHEET / SOMMAIRE PAR FEUILLE

Sheet Feuille	System designation Désignation du système	AMD	Name English	Nom Français
7005-5-4	PX26d & PY26d-1 ... PY26d-7	51	Lampholders	Douilles
7005-6-1	E11	K	Lampholder	Douille
7005-7-1	EY10	L	Lampholder	Douille
7005-8-1	BAX9s	K	Lampholders for bayonet caps	Douilles pour culots à baïonnette
7005-9-1	BAY9s	K	Lampholders for bayonet caps	Douilles pour culots à baïonnette
7005-10-8	B22d	21	Bayonet lampholders	Douilles à baïonnette
7005-10A-4	B22d-3(90°/135°)	M	Bayonet lampholders	Douilles à baïonnette
7005-11-3	BA7	G	Lampholders for bayonet automobile caps	Douilles pour culots à baïonnette pour automobiles
7005-12-2	BA9	G	Lampholders for bayonet automobile caps	Douilles pour culots à baïonnette pour automobiles
7005-13-6	BA15,BA15- 3(110°),BAU15,BAU15- 3(110°),BAW15,BAW15-3 110°),BAY15,BAY15- 3(110°),BAZ15,BAZ15- 3(110°)	55	Lampholders	Douilles
7005-14-2	BA20	G	Lampholders for bayonet automobile caps	Douilles pour culots à baïonnette pour automobiles
7005-15-2	BA21-3	J	Lampholders for bayonet caps	Douilles pour culots à baïonnette
7005-16-4	B15d	21	Bayonet lampholders	Douilles à baïonnette
7005-17-5	BY22d	M	Bayonet lampholders	Douilles à baïonnette
7005-19-1	BAU15s	M	Lampholder for bayonet caps	Douille pour culots à baïonnette
7005-20-6	E5,E10,E17,E27,E40	38	Position of holder thread in relation to central contact of the Edison lampholder	Position de la chemise filetée de la douille Edison par rapport au contact central
7005-21A-1	E26	20	Lampholders	Douilles
7005-24A-3	E39	21	Lampholders	Douilles
7005-28-1	E12	J	Lampholder	Douille
7005-29-2	E26d	C	Position of holder thread in relation to the central and intermediate contacts of the lampholder	Position de la chemise filetée par rapport aux contacts central et intermédiaire de la douille
7005-30-1	EP10	K	Prefocus lampholder	Douille préfocus
7005-31-2	P20,PX20,PY20,PZ20	20	Lampholders	Douilles
7005-32-2	P22,PX22	20	Lampholders	Douilles
7005-33-1	2G13	M	Lampholders	Douilles
7005-34-1	PX43t	H	Lampholder	Douille
7005-35-1	PX13.5s	H	Lampholder	Douille
7005-36-1	P26s	F	Lampholder	Douille
7005-37-1	PKX22s	20	Lampholder	Douille
7005-39-4	P43t	28	Lampholders	Douilles
7005-42-6	P28s	M	Prefocus lampholders	Douilles préfocus
7005-43-3	P40		Prefocus lampholder	Douille préfocus

Sheet Feuille	System designation Désignation du système	AMD	Name English	Nom Français
7005-44-2	P30s,P30s-10.3		Precision holder for prefocus cap	Douille de précision pour culot préfocus
7005-45-2	G17q,GX17q,GY17q	M	Lampholders	Douilles
7005-46-3	P14.5s	H	Lampholder for automobile lamps	Douille pour automobiles
7005-47-2	PK22s	N	Lampholder	Douille
7005-50-4	G13	20	Mounting distance of a combined pair of inflexible lampholders	Distance de montage pour ensemble de deux douilles non flexibles
7005-51-4	G5	38	Mounting distance of a combined pair of inflexible lampholders	Distance de montage pour ensemble de deux douilles non flexibles
7005-51A-1	GX5	38	Mounting distance of a combined pair of lampholders	Distance de montage pour ensemble de deux douilles
7005-53-4	R7s,RX7s	30	Combined pairs of lampholders	Combinaisons de deux douilles
7005-53A-5	R7s,RX7s	34	Lampholders	Douilles
7005-55-3	Fa6	J	Lampholder	Douille
7005-56-2	G10q	20	Lampholder	Douille
7005-57-1	R17d	G	Lampholder for recessed double contact cap	Douille pour culot à deux contacts en retrait
7005-58-1	Fa8	23	Lampholders and connectors	Douilles et connecteurs
7005-59-2	G6.35,GX6.35,GY6.35	24	Lampholders	Douilles
7005-59A-3	GZ6.35	21	Connector	Connecteur
7005-63-3	G12	26	Lampholder	Douille
7005-64-4	PG12-.,PGX12-.	20	Lampholders	Douilles
7005-65-1	GX38q	F	Lampholder	Douille
7005-66-1	P29	K	Lampholder	Douille
7005-67-1	GZ4	J	Connector for bi-pin lamp base	Connecteur pour socle de lampe à deux broches
7005-68-4	GR8	28	Lampholder	Douille
7005-69-1	G23	H	Lampholder	Douille
7005-70-2	G9.5	47	Lampholders	Douilles
7005-70A-3	GX9.5	47	Lampholders	Douilles
7005-70B-2	GY9.5,GZ9.5,GZX9.5,GZY 9.5,GZZ9.5	N	Lampholders	Douilles
7005-72-2	G4	20	Lampholder	Douille
7005-73-1	G5.3	E	Lampholders	Douilles
7005-73A-5	GX5.3	33	Lampholders	Douilles
7005-73B-5	GY5.3	33	Lampholders	Douilles
7005-75-4	G22		Lampholders	Douilles
7005-76-2	G38	M	Lampholders	Douilles
7005-77-3	GR10q	28	Lampholder	Douille
7005-78-7	G24,GX24,GY24	32	Lampholders	Douilles
7005-79-1	P11.5d	K	Lampholder	Douille
7005-80-4	SV7 & SV8.5 & SVX8.5	55	Principles for design of lampholders	Principes pour la construction des douilles
7005-82-3	2G11	41	Lampholders	Douilles



Sheet Feuille	System designation Désignation du système	AMD	Name English	Nom Français
7005-82A-1	2GX11	41	Lampholders	Douilles
7005-83-1	SK15s	G	Mounting of a combined pair of lampholders for tubular infra-red lamps with caps	Distance de montage pour ensemble de deux douilles pour lampes tubulaires à radiation infrarouge munies des culots
7005-84-2	GX10q-..	M	Lampholders	Douilles
7005-85-2	GY10q-..	M	Lampholders	Douilles
7005-86-1	GX23	J	Lampholder	Douille
7005-87-3	G32,GX32,GY32	M	Lampholders	Douilles
7005-88-1	PY43d	J	Lampholder	Douille
7005-89-1	PZ43t	J	Lampholder	Douille
7005-90-2	W10.6×8.5d		Lampholder for photo-flash lamps	Douille pour lampes flash
7005-91-2	W2.1x9.5d,WX2.1x9.5d	55	Lampholders (rigid)	Douilles (rigides)
7005-94-2	W2×4.6d	F	Lampholder (rigid)	Douille (rigide)
7005-95-2	P45t	M	Lampholder	Douille
7005-97-1	SX4s	33	Holders	Douilles
7005-99-2	X511	E	Lampholder for automobile lamps	Douille pour lampes pour automobiles
7005-101-1	GRX10q-..	K	Lampholders	Douilles
7005-102-1	2G7	K	Lampholder	Douille
7005-103-1	2GX7	K	Lampholder	Douille
7005-104-1	W2.5×16	R	Lampholders	Douilles
7005-104A-1	WX2.5×16	20	Lampholders	Douilles
7005-104B-1	WY2.5×16	25	Lampholders	Douilles
7005-104C-1	WZ2.5×16	25	Lampholders	Douilles
7005-104D-1	WU2.5×16	28	Lampholders	Douilles
7005-105-2	W3×16d,WX3×16d	22	Lampholders	Douilles
7005-106-3	W3×16q,WX3×16q,WY3×16q	33	Holders	Douilles
7005-107-2	PG13,PGJ13	20	Connectors and mounting holes	Connecteurs et orifices de montage
7005-108-2	GU4	Q	Lampholder	Douille
7005-109-2	GU5.3	23	Lampholder	Douille
7005-110-3	PGJ19	47	Holders and connectors	Douilles et connecteurs
7005-110A-1	PGJX19	57	Prefocus holders	Douilles préfocus
7005-111-5	P32d & PK32d	51	Lampholders	Douilles
7005-112-1	S14	N	Lampholders	Douilles
7005-113-2	GU7	31	Lampholder	Douille
7005-114-1	Fc2	28	Lampholder	Douille
7005-115-1	W4.3×8.5d	Q	Lampholder	Douille
7005-116-1	EZ10	Q	Lampholder	Douille
7005-118-1	2G10	S	Lampholders	Douilles
7005-119-1	GY22	18	Lampholder	Douille
7005-120-2	GZ10	29	Lampholder	Douille
7005-121-2	GU10	29	Lampholder	Douille
7005-122-2	G8.5 Type A	39	Lampholder	Douille

Sheet Feuille	System designation Désignation du système	AMD	Name English	Nom Français
7005-123-1	GU10q	23	Lampholder	Douille
7005-124-1	GZ10q	23	Lampholder	Douille
7005-125-2	2GX13	26	Lampholder	Douille
7005-126-1	G5.3-4.8	23	Connector	Connecteur
7005-127-2	PG20,PGU20	32	Lampholders and connectors	Douilles et connecteurs
7005-128-3	P(X)(Y)26.4t,PJ26.4t	38	Lampholders	Douilles
7005-129-2	G9	41	Lampholders	Douilles
7005-131-1	GRZ10d	28	Lampholder	Douille
7005-132-1	GRZ10t	28	Lampholder	Douille
7005-133-1	P38t	29	Lampholders	Douilles
7005-135-1	GX12	29	Lampholder	Douille
7005-136-1	GZX7d-...,GZY7d-...,GZZ7d-...	33	Printed circuit connectors	Connecteurs pour circuit imprimé
7005-137-1	GUX2.5d,GUY2.5d,GUZ2.5d	33	Printed circuit connectors	Connecteurs pour circuit imprimé
7005-138-1	P23t	31	Holder	Douille
7005-138A-1	PX23t	38	Holder	Douille
7005-139-1	G7.9,GX7.9	31	Lampholders	Douilles
7005-140-1	B8.4d,BX8.4d	31	Holders	Douilles
7005-141-2	2G8	35	Lampholders	Douilles
7005-142-2	GX53	35	Holders	Douilles
7005-143-1	GX8.5	33	Connector/Holder	Connecteur/Douille
7005-144-3	GX10	44	Lampholder	Douille
7005-146-2	PGJY19	47	Holders	Douilles
7005-147-1	PG18.5d	34	Lampholders and connectors	Douilles et connecteurs
7005-148-2	PGZ12	38	Holders	Douilles
7005-149-1	BAW9s	35	Holders	Douilles
7005-150-1	BAZ9s	35	Holders	Douilles
7005-150A-1	BAU9s	40	Holders	Douilles
7005-150B-1	BAUZ9s	40	Holders	Douilles
7005-151-1	WZ3x16q	35	Lampholder	Douille
7005-152-1	GU6.5	36	Lampholder	Douille
7005-153-1	PGJ5	36	Lampholder	Douille
7005-154-2	GU16d/GX16d Type 1	43	Connector	Connecteur
7005-155-1	PGJ23t	37	Holders	Douilles
7005-156-1	PGJ(X)50	39	Lampholder	Douille
7005-157-1	GR14q	40	Holders	Douilles
7005-158-1	PU20d	40	Holders and connectors	Douilles et connecteurs
7005-161-1	G28d	40	Holders	Douilles
7005-162-1	CH14.65d	42	Printed circuit connectors	Connecteurs pour circuit imprimé
7005-163-2	PGZ18 & PGZX18	47	Lampholders	Douilles
7005-164-3	WP3.3x14.5	49	Holders	Douilles
7005-165-1	PGJ21t	43	Holders	Douilles
7005-166-2	GU8.5	56	Holders	Douilles

Sheet Feuille	System designation Désignation du système	AMD	Name English	Nom Français
7005-169-1	PGJX28	44	Lampholder	Douille
7005-170-1	GUZ10	45	Holders	Douilles
7005-171-2	PU43t	48	Lampholder	Douille
7005-173-1	BA15d-3(100°/130°)	48	Bayonet lampholders	Douilles à baionnette
7005-174-1	G14.5 & GX14.5	48	Lampholder	Douille
7005-175-2	GUZ5.3-..	52	Lampholders	Douilles
7005-176-1	WUX2.5x16d	49	Lampholders	Douilles
7005-177-1	WUY2.5x16d	49	Lampholders	Douilles
7005-178-1	WUZ2.5x16q	49	Lampholders	Douilles
7005-179-1	WUU2.5x16q	49	Lampholders	Douilles
7005-180-1	WZX2.5x16q	49	Lampholders	Douilles
7005-181-1	WZY2.5x16q	49	Lampholders	Douilles
7005-182-1	PGJY50	49	Holders	Douilles
7005-183-2	GX16t-5	53	Combined pair of lampholders	Paire combinée de douilles
7005-184-1	PGJX36	50	Holders	Douilles
7005-185-3	PGJ18.5d/t	57	Holder	Douille
7005-186-1	GH36d-...	54	Holders	Douilles
7005-187-2	GR6d-..	56	Holders	Douilles
7005-187A-2	GR6d-..	56	Mounting distance of a combined pair of holders	Distance de montage pour une paire combinée de douilles
7005-188-1	GJ6.6	58	Holders	Douilles
7005-188A-1	GJ6.6	59	Mounting distance of a combined pair of inflexible lampholders	Distance de montage pour une paire combinée de douilles non flexibles

CONTENTS BY DESIGNATION / SOMMAIRE PAR DÉSIGNATION

System designation Désignation du système	Sheet Feuille	AMD	Name English	Nom Français
2G10	7005-118-1	S	Lampholders	Douilles
2G11	7005-82-3	41	Lampholders	Douilles
2G13	7005-33-1	M	Lampholders	Douilles
2G7	7005-102-1	K	Lampholder	Douille
2G8	7005-141-2	35	Lampholders	Douilles
2GX11	7005-82A-1	41	Lampholders	Douilles
2GX13	7005-125-2	26	Lampholder	Douille
2GX7	7005-103-1	K	Lampholder	Douille
B15d	7005-16-4	21	Bayonet lampholders	Douilles à baïonnette
B22d	7005-10-8	21	Bayonet lampholders	Douilles à baïonnette
B22d-3(90°/135°)	7005-10A-4	M	Bayonet lampholders	Douilles à baïonnette
B8.4d,BX8.4d	7005-140-1	31	Holders	Douilles
BA15,BA15-3(110°),BAU15,BAU15-3(110°),BAW15,BAW15-3(110°),BAY15,BAY15-3(110°),BAZ15,BAZ15-3(110°)	7005-13-6	55	Lampholders	Douilles
BA15d-3(100°/130°)	7005-173-1	48	Bayonet lampholders	Douilles à baïonnette
BA20	7005-14-2	G	Lampholders for bayonet automobile caps	Douilles pour culots à baïonnette pour automobiles
BA21-3	7005-15-2	J	Lampholders for bayonet caps	Douilles pour culots à baïonnette
BA7	7005-11-3	G	Lampholders for bayonet automobile caps	Douilles pour culots à baïonnette pour automobiles
BA9	7005-12-2	G	Lampholders for bayonet automobile caps	Douilles pour culots à baïonnette pour automobiles
BAU15s	7005-19-1	M	Lampholder for bayonet caps	Douille pour culots à baïonnette
BAU9s	7005-150A-1	40	Holders	Douilles
BAUZ9s	7005-150B-1	40	Holders	Douilles
BAW9s	7005-149-1	35	Holders	Douilles
BAX9s	7005-8-1	K	Lampholders for bayonet caps	Douilles pour culots à baïonnette
BAY9s	7005-9-1	K	Lampholders for bayonet caps	Douilles pour culots à baïonnette
BAZ9s	7005-150-1	35	Holders	Douilles
BY22d	7005-17-5	M	Bayonet lampholders	Douilles à baïonnette
CH14.65d	7005-162-1	42	Printed circuit connectors	Connecteurs pour circuit imprimé
E5,E10,E17,E27,E40	7005-20-6	38	Position of holder thread in relation to central contact of the Edison lampholder	Position de la chemise fileté de la douille Edison par rapport au contact central
E11	7005-6-1	K	Lampholder	Douille
E12	7005-28-1	J	Lampholder	Douille
E26	7005-21A-1	20	Lampholders	Douilles
E26d	7005-29-2	C	Position of holder thread in relation to the central and intermediate contacts of the lampholder	Position de la chemise fileté par rapport aux contacts central et intermédiaire de la douille

System designation Désignation du système	Sheet Feuille	AMD	Name English	Nom Français
E39	7005-24A-3	21	Lampholders	Douilles
EP10	7005-30-1	K	Prefocus lampholder	Douille préfocus
EY10	7005-7-1	L	Lampholder	Douille
EZ10	7005-116-1	Q	Lampholder	Douille
Fa6	7005-55-3	J	Lampholder	Douille
Fa8	7005-58-1	23	Lampholders and connectors	Douilles et connecteurs
Fc2	7005-114-1	28	Lampholder	Douille
G10q	7005-56-2	20	Lampholder	Douille
G12	7005-63-3	26	Lampholder	Douille
G13	7005-50-4	20	Mounting distance of a combined pair of inflexible lampholders	Distance de montage pour ensemble de deux douilles non flexibles
G14.5 & GX14.5	7005-174-1	48	Lampholder	Douille
G17q,GX17q,GY17q	7005-45-2	M	Lampholders	Douilles
G22	7005-75-4		Lampholders	Douilles
G23	7005-69-1	H	Lampholder	Douille
G24,GX24,GY24	7005-78-7	32	Lampholders	Douilles
G28d	7005-161-1	40	Holders	Douilles
G32,GX32,GY32	7005-87-3	M	Lampholders	Douilles
G38	7005-76-2	M	Lampholders	Douilles
G4	7005-72-2	20	Lampholder	Douille
G5	7005-51-4	38	Mounting distance of a combined pair of inflexible lampholders	Distance de montage pour ensemble de deux douilles non flexibles
G5.3	7005-73-1	E	Lampholders	Douilles
G5.3-4.8	7005-126-1	23	Connector	Connecteur
G6.35,GX6.35,GY6.35	7005-59-2	24	Lampholders	Douilles
G7.9,GX7.9	7005-139-1	31	Lampholders	Douilles
G8.5 Type A	7005-122-2	39	Lampholder	Douille
G9	7005-129-2	41	Lampholders	Douilles
G9.5	7005-70-2	47	Lampholders	Douilles
GH36d-...	7005-186-1	54	Holders	Douilles
GJ6.6	7005-188-1	58	Holders	Douilles
GJ6.6	7005-188A-1	59	Mounting distance of a combined pair of inflexible lampholders	Distance de montage pour une paire combinée de douilles non flexibles
GR10q	7005-77-3	28	Lampholder	Douille
GR14q	7005-157-1	40	Holders	Douilles
GR6d-...	7005-187-2	56	Holders	Douilles
GR6d-...	7005-187A-2	56	Mounting distance of a combined pair of holders	Distance de montage pour une paire combinée de douilles
GR8	7005-68-4	28	Lampholder	Douille
GRX10q-...	7005-101-1	K	Lampholders	Douilles
GRZ10d	7005-131-1	28	Lampholder	Douille
GRZ10t	7005-132-1	28	Lampholder	Douille
GU10	7005-121-2	29	Lampholder	Douille

System designation Désignation du système	Sheet Feuille	AMD	Name English	Nom Français
GU10q	7005-123-1	23	Lampholder	Douille
GU16d/GX16d Type 1	7005-154-2	43	Connector	Connecteur
GU4	7005-108-2	Q	Lampholder	Douille
GU5.3	7005-109-2	23	Lampholder	Douille
GU6.5	7005-152-1	36	Lampholder	Douille
GU7	7005-113-2	31	Lampholder	Douille
GU8.5	7005-166-2	56	Holders	Douilles
GUX2.5d,GUY2.5d,GUZ2.5d	7005-137-1	33	Printed circuit connectors	Connecteurs pour circuit imprimé
GUZ10	7005-170-1	45	Holders	Douilles
GUZ5.3-..	7005-175-2	52	Lampholders	Douilles
GX10	7005-144-3	44	Lampholder	Douille
GX10q-..	7005-84-2	M	Lampholders	Douilles
GX12	7005-135-1	29	Lampholder	Douille
GX16t-5	7005-183-2	53	Combined pair of lampholders	Paire combinée de douilles
GX23	7005-86-1	J	Lampholder	Douille
GX38q	7005-65-1	F	Lampholder	Douille
GX5	7005-51A-1	38	Mounting distance of a combined pair of lampholders	Distance de montage pour ensemble de deux douilles
GX5.3	7005-73A-5	33	Lampholders	Douilles
GX53	7005-142-2	35	Holders	Douilles
GX8.5	7005-143-1	33	Connector/Holder	Connecteur/Douille
GX9.5	7005-70A-3	47	Lampholders	Douilles
GY10q-..	7005-85-2	M	Lampholders	Douilles
GY22	7005-119-1	18	Lampholder	Douille
GY5.3	7005-73B-5	33	Lampholders	Douilles
GY9.5,GZ9.5,GZX9.5,GZY9.5,GZZ9.5	7005-70B-2	N	Lampholders	Douilles
GZ10	7005-120-2	29	Lampholder	Douille
GZ10q	7005-124-1	23	Lampholder	Douille
GZ4	7005-67-1	J	Connector for bi-pin lamp base	Connecteur pour socle de lampe à deux broches
GZ6.35	7005-59A-3	21	Connector	Connecteur
GZX7d-..,GZY7d-..,GZZ7d-..	7005-136-1	33	Printed circuit connectors	Connecteurs pour circuit imprimé
P(X)(Y)26.4t,PJ26.4t	7005-128-3	38	Lampholders	Douilles
P11.5d	7005-79-1	K	Lampholder	Douille
P14.5s	7005-46-3	H	Lampholder for automobile lamps	Douille pour automobiles
P20,PX20,PY20,PZ20	7005-31-2	20	Lampholders	Douilles
P22,PX22	7005-32-2	20	Lampholders	Douilles
P23t	7005-138-1	31	Holder	Douille
P26s	7005-36-1	F	Lampholder	Douille
P28s	7005-42-6	M	Prefocus lampholders	Douilles préfocus
P29	7005-66-1	K	Lampholder	Douille

System designation Désignation du système	Sheet Feuille	AMD	Name English	Nom Français
P30s,P30s-10.3	7005-44-2		Precision holder for prefocus cap	Douille de précision pour culot préfocus
P32d & PK32d	7005-111-5	51	Lampholders	Douilles
P38t	7005-133-1	29	Lampholders	Douilles
P40	7005-43-3		Prefocus lampholder	Douille préfocus
P43t	7005-39-4	28	Lampholders	Douilles
P45t	7005-95-2	M	Lampholder	Douille
PG12-.,PGX12-.	7005-64-4	20	Lampholders	Douilles
PG13,PGJ13	7005-107-2	20	Connectors and mounting holes	Connecteurs et orifices de montage
PG18.5d	7005-147-1	34	Lampholders and connectors	Douilles et connecteurs
PG20,PGU20	7005-127-2	32	Lampholders and connectors	Douilles et connecteurs
PGJ(X)50	7005-156-1	39	Lampholder	Douille
PGJ18.5d/t	7005-185-3	57	Holder	Douille
PGJ19	7005-110-3	47	Holders and connectors	Douilles et connecteurs
PGJ21t	7005-165-1	43	Holders	Douilles
PGJ23t	7005-155-1	37	Holders	Douilles
PGJ5	7005-153-1	36	Lampholder	Douille
PGJX19	7005-110A-1	57	Prefocus holders	Douilles préfocus
PGJX28	7005-169-1	44	Lampholder	Douille
PGJX36	7005-184-1	50	Holders	Douilles
PGJY19	7005-146-2	47	Holders	Douilles
PGJY50	7005-182-1	49	Holders	Douilles
PGZ12	7005-148-2	38	Holders	Douilles
PGZ18 & PGZX18	7005-163-2	47	Lampholders	Douilles
PK22s	7005-47-2	N	Lampholder	Douille
PKX22s	7005-37-1	20	Lampholder	Douille
PU20d	7005-158-1	40	Holders and connectors	Douilles et connecteurs
PU43t	7005-171-2	48	Lampholder	Douille
PX13.5s	7005-35-1	H	Lampholder	Douille
PX23t	7005-138A-1	38	Holder	Douille
PX26d & PY26d-1 ... PY26d-7	7005-5-4	51	Lampholders	Douilles
PX43t	7005-34-1	H	Lampholder	Douille
PY43d	7005-88-1	J	Lampholder	Douille
PZ43t	7005-89-1	J	Lampholder	Douille
R17d	7005-57-1	G	Lampholder for recessed double contact cap	Douille pour culot à deux contacts en retrait
R7s,RX7s	7005-53-4	30	Combined pairs of lampholders	Combinaisons de deux douilles
R7s,RX7s	7005-53A-5	34	Lampholders	Douilles
S14	7005-112-1	N	Lampholders	Douilles
SK15s	7005-83-1	G	Mounting of a combined pair of lampholders for tubular infra-red lamps with caps	Distance de montage pour ensemble de deux douilles pour lampes tubulaires à radiation infrarouge munies des culots

System designation Désignation du système	Sheet Feuille	AMD	Name English	Nom Français
SV7 & SV8.5 & SVX8.5	7005-80-4	55	Principles for design of lampholders	Principes pour la construction des douilles
SX4s	7005-97-1	33	Holders	Douilles
W10.6×8.5d	7005-90-2		Lampholder for photo-flash lamps	Douille pour lampes flash
W2.1x9.5d,WX2.1x9.5d	7005-91-2	55	Lampholders (rigid)	Douilles (rigides)
W2.5×16	7005-104-1	R	Lampholders	Douilles
W2×4.6d	7005-94-2	F	Lampholder (rigid)	Douille (rigide)
W3×16d,WX3×16d	7005-105-2	22	Lampholders	Douilles
W3×16q,WX3×16q,WY3×16q	7005-106-3	33	Holders	Douilles
W4.3×8.5d	7005-115-1	Q	Lampholder	Douille
WP3.3x14.5	7005-164-3	49	Holders	Douilles
WU2.5×16	7005-104D-1	28	Lampholders	Douilles
WUU2.5x16q	7005-179-1	49	Lampholders	Douilles
WUX2.5x16d	7005-176-1	49	Lampholders	Douilles
WUY2.5x16d	7005-177-1	49	Lampholders	Douilles
WUZ2.5x16q	7005-178-1	49	Lampholders	Douilles
WX2.5×16	7005-104A-1	20	Lampholders	Douilles
WY2.5×16	7005-104B-1	25	Lampholders	Douilles
WZ2.5×16	7005-104C-1	25	Lampholders	Douilles
WZ3x16q	7005-151-1	35	Lampholder	Douille
WZX2.5x16q	7005-180-1	49	Lampholders	Douilles
WZY2.5x16q	7005-181-1	49	Lampholders	Douilles
X511	7005-99-2	E	Lampholder for automobile lamps	Douille pour lampes pour automobiles

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Part 2: Lampholders

AMENDMENT 59

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.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) IEC draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). IEC takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, IEC had received notice of (a) patent(s), which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at <https://patents.iec.ch>. IEC shall not be held responsible for identifying any or all such patent rights.

Amendment 59 to IEC 60061-2:1969 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/2153/CDV	34B/2165A/RVC

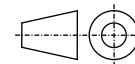
Full information on the voting for its approval can be found in the report on voting indicated in the above table.

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.

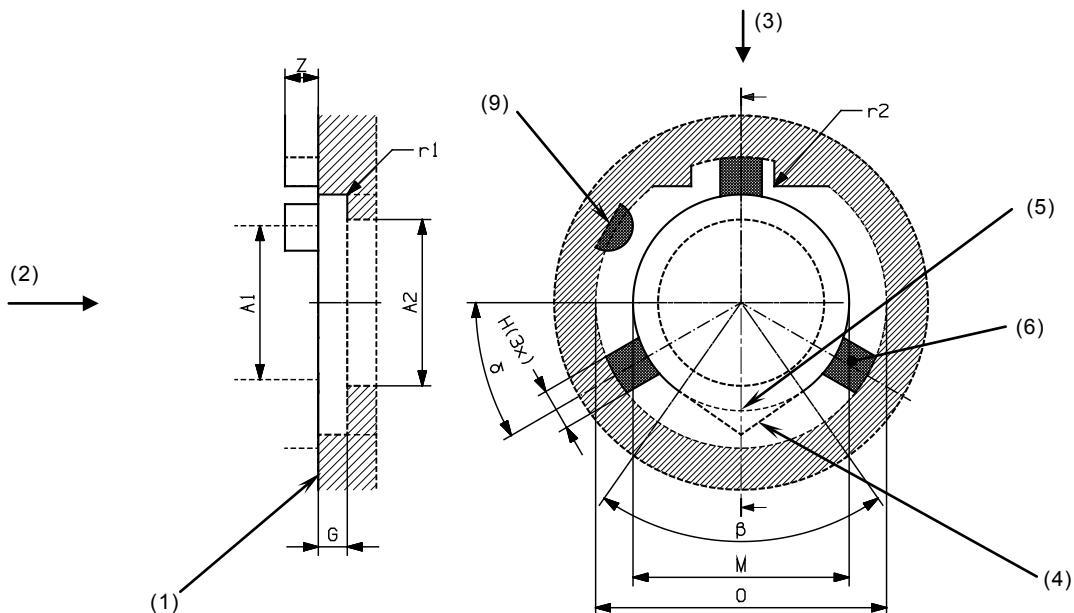
LAMPHOLDERS**DOUILLES****PX26d & PY26d-1 ... PY26d-7**

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 caps PX26d and PY26d see sheet 7004-5.
Pour les détails des culots PX26d et PY26d voir feuille 7004-5.



IEC

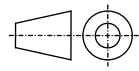
Dimension	Min.	Max.
A1 (8)	18,5	
A2 (7)	20	
G	3,6	--
H (6)	5	--
K (PX26d)	8,1	8,2
(PY26d)	10,1	10,2
L (10)	4,05	4,1
M (3)	26,4	26,6
(5)	26,02	26,12
O	35	--
Q	13,8	14,0
r1	0,45	1,0
r2	0,4	0,6
R4 (9)	2,9	3,1
R5 (9)	14,9	15,1
Z	4,0	--
β (4)	69°30'	70°30'
δ	Approx. 30 °	
τ 1 (10) (PY26d-1)	59°30'	60°30'
τ 2 (10) (PY26d-2)	89°30'	90°30'
τ 3 (10) (PY26d-3)	269°30'	270°30'
τ 4 (10) (PY26d-4)	299°30'	300°30'
τ 5 (10) (PY26d-5)	149°30'	150°30'
τ 6 (10) (PY26d-6)	179°30'	180°30'
τ 7 (10) (PY26d-7)	209°30'	210°30'

7005-5-4

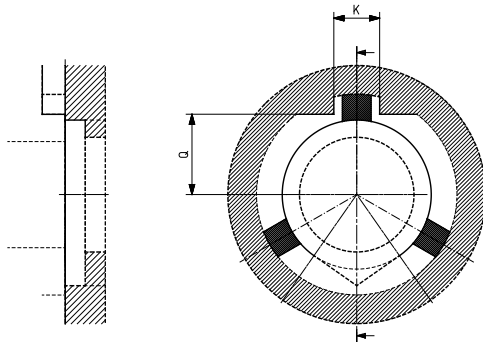
LAMP HOLDERS

DOUILLES

PX26d & PY26d-1 ... PY26d-7

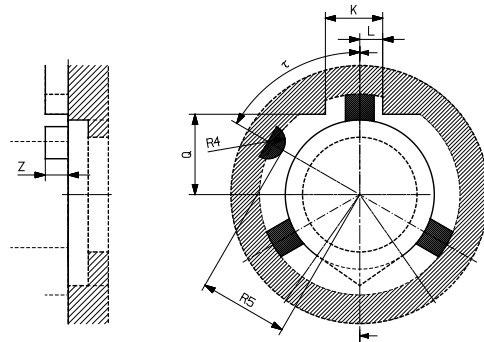


Page 2/2



IEC

PX26d



IEC

PY26d-1 ... PY26d-7

The holder shall be so designed that the means of retention of the lamp can be applied only when the lamp is in the correct position. The means of retention shall make contact with the ring of the cap.

(1) Reference plane.

(2) The lamp shall be inserted in the direction of the arrow (axial direction), bulb first.

The force exerted when the lamp is in position shall not be less than 15 N and not greater than 30 N.

(3) Holder type A: The lamp shall be pushed in the direction of the arrow (radial direction).

The force exerted when the lamp is in position shall be not less than 2 N and not greater than 10 N.

The force should preferably be applied earlier than the force mentioned in (2), in order to ensure that the lamp is pushed against the resting area for the ring of the cap (4).

(4) Holder type A: The supporting area for the ring of the cap is formed by the tangents to the circle with the diameter M and angle β . The tangents (V-block supporting area) shall be positioned such that the centre line of a cylinder having a diameter of 26 mm placed in the V-block coincides with the theoretical optical axis of the headlamp.

(5) Holder type B.

(6) Supporting areas (3x) for the supporting bosses of the cap, situated at the reference plane. M_{max} applies only for these areas.

(7) 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.

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

(9) The peg is meant to prevent insertion of caps with non-similar designation, existence applies for PY26d only.

(10) PY26d only.

La douille doit être conçue de telle manière que le moyen de retenue de la lampe ne puisse être appliqué que dans le cas où la lampe est en position correcte. Le moyen de retenue doit assurer le contact avec la collerette du culot.

(1) Plan de référence.

(2) La lampe doit être insérée dans le sens de la flèche (direction axiale), ampoule la première. La force exercée quand la lampe est en position ne doit pas être inférieure à 15 N ni supérieure à 30 N.

(3) Douille type A: La lampe doit être poussée dans le sens de la flèche (direction radiale). La force exercée quand la lampe est en position ne doit pas être inférieure à 2 N ni supérieure à 10 N. Il convient que la force soit appliquée, de préférence, avant la force mentionnée en (2), afin de s'assurer que la lampe est poussée contre la zone d'appui pour la collerette du culot (4).

(4) Douille type A: La zone d'appui pour la collerette du culot est formée par les tangentes au cercle de diamètre M et l'angle β . Les tangentes (zone de support du bloc en "V") doivent être positionnées de façon telle que l'axe d'un cylindre de 26 mm de diamètre, placé dans le bloc en "V", coïncide avec l'axe optique théorique du phare.

(5) Douille type B.

(6) Zones d'appui (3x) pour les bossages-supports des culots situés au niveau du plan de référence. M_{max} s'applique seulement à ces zones.

(7) 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.

(8) Le moyen de retenue de la lampe dans la douille doit être tel qu'aucune force dans la direction de l'axe de référence ne s'exerce à l'intérieur de cette zone.

(9) L'échancrure a pour but d'empêcher l'insertion des culots de référence différente, ceci étant uniquement applicable à PY26d.

(10) Uniquement applicable à PY26d.

Gauging: Lampholders PX26 and PY26d shall fulfil the test of the gauge shown on sheet 7006-5C.

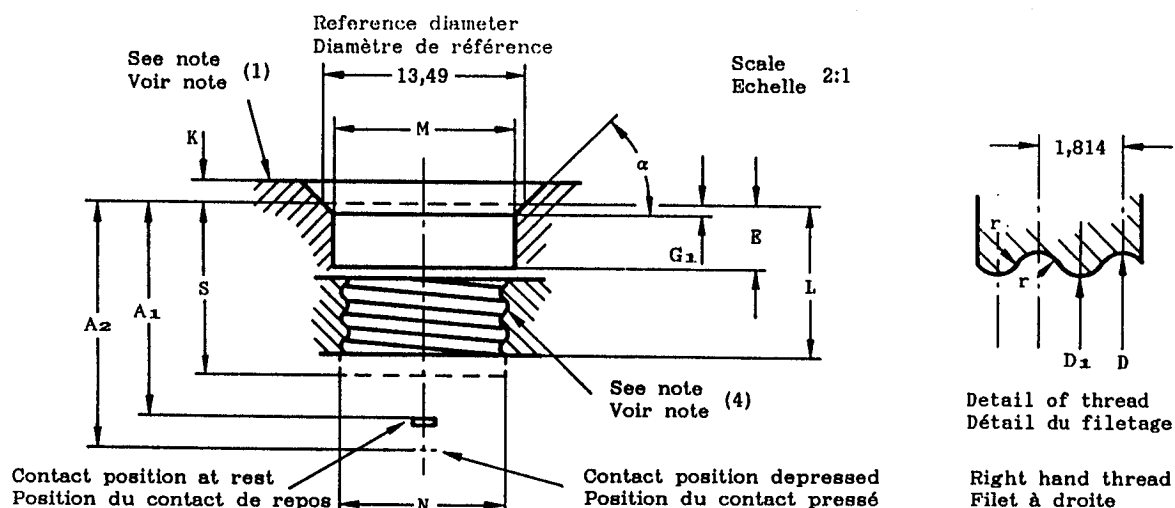
Vérification: Les douilles PX26 et PY26d doivent satisfaire à l'essai avec le calibre selon la feuille 7006-5C.

LAMPHOLDER
DOUILLE
E11

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 cap E11, see sheet 7004-6.
Pour les détails du culot E11, voir feuille 7004-6.



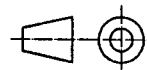
- (1) No portion of the lampholder may extend above the limit established by dimension K.
(2) Dimensions A₁, A₂, E, G₁, L and S are measured from the reference diameter of 13,49 mm.
(3) Dimension S indicates the minimum length over which clearance for the shell of the cap must be provided (see dimension N).
(4) The shell of the holder shall have sufficient lateral movement to permit the conical surface of the cap to always seat on the corresponding surface of the holder.
- (1) Aucune partie de la douille ne doit déborder au-dessus de la limite fixée par la dimension K.
(2) Les dimensions A₁, A₂, E, G₁, L et S sont mesurées du diamètre de référence de 13,49 mm.
(3) La dimension S fixe la distance minimale le long de laquelle un jeu doit être prévu pour la chemise du culot (voir dimension N).
(4) La chemise de la douille doit avoir un mouvement latéral suffisant pour permettre à la surface conique du culot de toujours porter sur la surface correspondante de la douille.

Dimension	Standard dimensions		Nearest equivalents in inches	
	Dimensions normalisées		Equivalents arrondis en pouces	
	Min.	Max.	Min.	Max.
A ₁ (2)	—	13,84	—	0,545
A ₂ (2)	15,65	—	0,616	—
D	10,86	11,01	0,4275	0,4335
D ₁	9,84	9,99	0,3875	0,3935
E (2)	4,14	5,79	0,163	0,228
G ₁ (2)	0,66	—	0,026	—
K (1)	—	1,57	—	0,062
L (2)	9,35	10,54	0,368	0,415
M	11,86	—	0,467	—
N (3)	10,92	—	0,430	—
S (2)(3)	10,57	—	0,416	—
r	0,531		0,021	
α (1)	44°30'	45°30'	44°30'	45°30'

LAMPHOLDER

DOUILLE

EY10



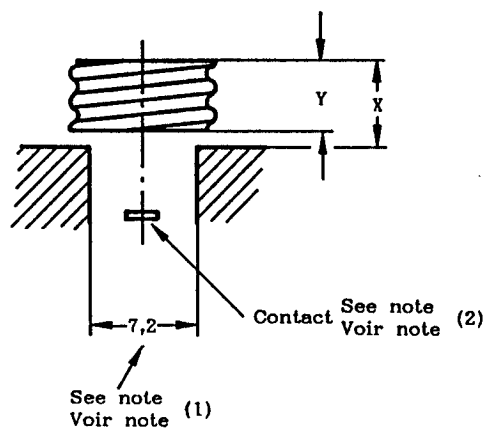
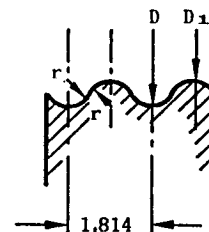
Page 1/1

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 cap EY10, see sheet 7004-7.
Pour les détails du culot EY10, voir feuille 7004-7.

Scale 2:1
Echelle 2:1



Detail of thread
Détail du filetage

Right-hand thread
Filet à droite

- (1) The reference circle is defined by the edge at diameter 7,2 mm.
(2) Contact travel shall be sufficient to allow for the variation in solder height. See cap dimension B₁.
(1) Le cercle de référence est défini par les bords au niveau du diamètre 7,2 mm.
(2) Le mouvement du contact doit être suffisant pour tenir compte de la variation de hauteur de la soudure.
Voir la dimension B₁ de culot.

GAUGING: Lampholders EY10 shall fulfil the tests of the gauges shown on sheets 7006-7A and 7006-26.

VERIFICATION: Les douilles EY10 doivent satisfaire aux essais avec les calibres selon les feuilles 7006-7A et 7006-26.

Dimension	Min.	Max.
D	9,59	9,78
D ₁	8,57	8,76
X	4,0	7,38
Y	2,7	-
r	0,531	

7005-7-1

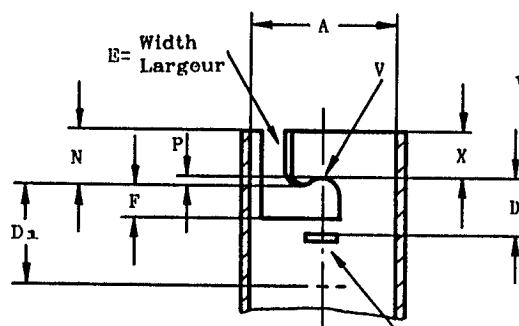
LAMPHOLDERS FOR BAYONET CAPS
DOUILLES POUR CULOTS A BAIONNETTE
BAX9s

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 cap BAX9s, see sheet 7004-8.
Pour les détails du culot BAX9s, voir feuille 7004-8.

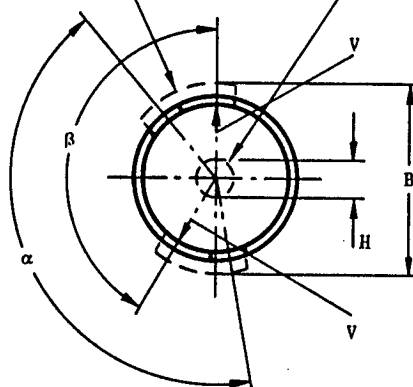


V= Resting point of cap pins.
Point de repos des ergots du culot. See note (1)

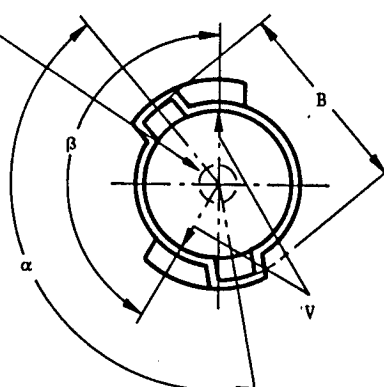
Scale 2:1
Echelle

Contour of free space for cap pins
Encombrement pour les ergots du culot

Plunger, leaf spring or other suitable contact
Piston, lame de contact ou autre système convenable de contact



Open slots
Encoches



Embossed slots
Bossages

The forces required to depress the contact to positions of 4,3 mm and 5,9 mm beyond the plane through the resting points "V" shall be not less than 3 N and not more than 20 N respectively. The contact positions specified, correspond with those resulting from the fitting of caps of which the values of dimension D₁ are minimum and maximum respectively.

Les forces nécessaires pour enfoncer le contact à partir des positions situées à 4,3 mm et 5,9 mm au-delà du plan passant par les points de repos "V", ne doivent pas être respectivement inférieures à 3 N et supérieures à 20 N. Les positions de contact spécifiées correspondent avec celles qui résultent de l'introduction du culot pour lequel les valeurs de la dimension D₁ sont respectivement minimum et maximum.

LAMPHOLDERS FOR BAYONET CAPS
DOUILLES POUR CULOTS A BAIONNETTE
BAX9_B

Page 2/2

Dimensions in millimetres - Dimensions en millimètres

Dimension	Min.	Max.
A (2)(3)	9,32	9,44
B	11,05	-
D	-	3,8
D ₁	6,65	-
E (3)	2,1	2,4
F	2,2	-
H (4)	2,5	-
N	-	4,4
P	0,5	-
X	3,0	-
α	148°30'	151°30'
β	148°30'	151°30'

- (1) The difference in height between the two resting points "V" shall not exceed 0,2 mm.
- (2) Besides the slots defined by width E, other slots or recesses in the holder barrel are only permissible if the lampholder fulfils the test of the gauges shown on sheet 7006-9C.
- (3) The lampholder shall not accept the gauges with designation BA9s and BAY9s of sheet 7006-9C.
- (4) This dimension refers to the contact face of plunger contacts only.
- (1) La différence en hauteur entre les deux points de repos "V" ne doit pas excéder 0,2 mm.
- (2) En plus des encoches définies par la largeur E, d'autres encoches ou évidements dans le fût de la douille sont autorisés à condition que la douille satisfasse l'essai avec les calibres selon la feuille 7006-9C.
- (3) La douille ne doit pas accepter les calibres de désignation BA9s et BAY9s, selon la feuille 7006-9C.
- (4) Cette dimension se rapporte à la face de contact uniquement dans le cas d'un contact par piston.

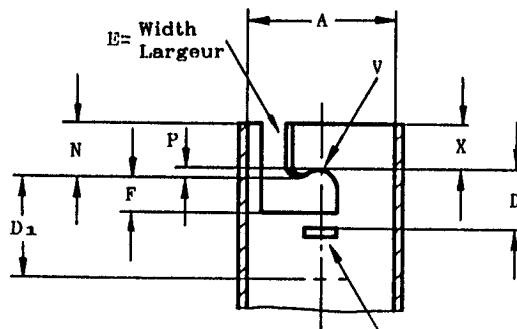
LAMP HOLDERS FOR BAYONET CAPS
DOUILLES POUR CULOTS A BAIONNETTE
BAY9s

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 cap BAY9s, see sheet 7004-9.
Pour les détails du culot BAY9s, voir feuille 7004-9.

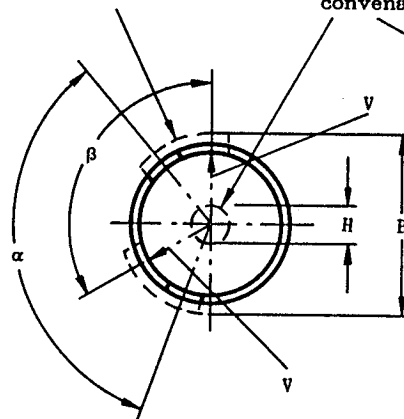


V= Resting point of cap pins. See note (1)
Point de repos des ergots du culot. Voir note (1)

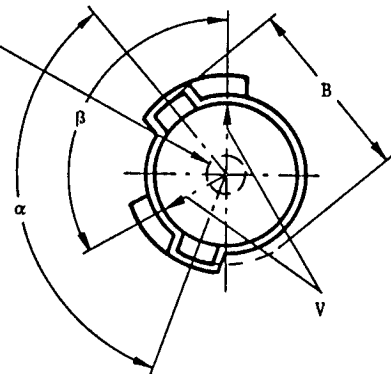
Scale 2:1
Echelle 2:1

Contour of free space for cap pins
Encombrement pour les ergots du culot

Plunger, leaf spring or other suitable contact
Piston, lame de contact ou autre système convenable de contact



Open slots
Encoches



Embossed slots
Bossages

The forces required to depress the contact to positions of 4,3 mm and 5,9 mm beyond the plane through the resting points "V" shall be not less than 3 N and not more than 20 N respectively. The contact positions specified, correspond with those resulting from the fitting of caps of which the values of dimension D₁ are minimum and maximum respectively.

Les forces nécessaires pour enfoncer le contact à partir des positions situées à 4,3 mm et 5,9 mm au-delà du plan passant par les points de repos "V", ne doivent pas être respectivement inférieures à 3 N et supérieures à 20 N. Les positions de contact spécifiées correspondent avec celles qui résultent de l'introduction du culot pour lequel les valeurs de la dimension D₁ sont respectivement minimum et maximum.

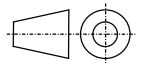
LAMP HOLDERS FOR BAYONET CAPS
DOUILLES POUR CULOTS A BAIONNETTE
BAY9s

Page 2/2

Dimensions in millimetres - Dimensions en millimètres

Dimension	Min.	Max.
A (2)(3)	9,32	9,44
B	11,05	-
D	-	3,8
D ₁	6,65	-
E (3)	2,1	2,4
F	2,2	-
H (4)	2,5	-
N	-	7,7
P	0,5	-
X	6,3	-
α	118°30'	121°30'
β	118°30'	121°30'

- (1) The difference in height between the two resting points "V" shall not exceed 0,2 mm.
 - (2) Besides the slots defined by width E, other slots or recesses in the holder barrel are only permissible if the lampholder fulfils the test of the gauges shown on sheet 7006-9C.
 - (3) The lampholder shall not accept the gauges with designation BA9s and BAX9s of sheet 7006-9C.
 - (4) This dimension refers to the contact face of plunger contacts only.
- (1) La différence en hauteur entre les deux points de repos "V" ne doit pas excéder 0,2 mm.
 - (2) En plus des encoches définies par la largeur E, d'autres encoches ou évidements dans le fût de la douille sont autorisés à condition que la douille satisfasse l'essai avec les calibres selon la feuille 7006-9C.
 - (3) La douille ne doit pas accepter les calibres de désignation BA9s et BAX9s, selon la feuille 7006-9C.
 - (4) Cette dimension se rapporte à la face de contact uniquement dans le cas d'un contact par piston.

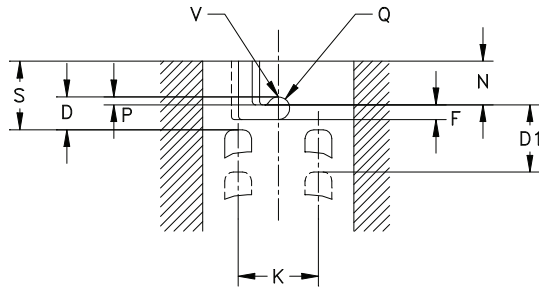
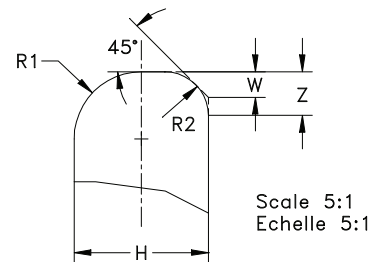
BAYONET LAMPHOLDERS**DOUILLES A BAIONNETTE****B22d**

Page 1/2

Dimensions in millimetres - Dimensions en millimètres

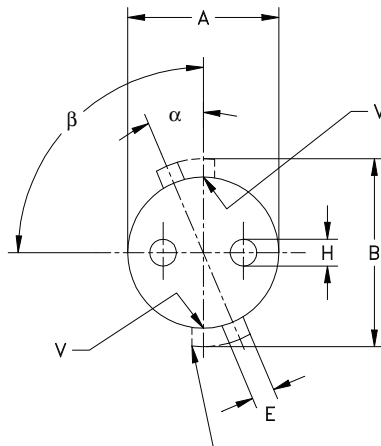
The drawing is intended only to illustrate the dimensions essential for interchangeability.
Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

For details of cap B22d, see sheet 7004-10.
Pour les détails du culot B22d, voir feuille 7004-10.



Min. profile Max. profile
Profil min. Profil max.

EXTREME PLUNGER PROFILES
(Piston-type only)
PROFILS-LIMITE DES CONTACTS
(Du type à piston plongeur)



Contour of free space for cap pins
Limite de l'espace libre destiné aux ergots du culot

V = Resting point of cap pin
V = Point de repos de l'ergot du culot

- (1) Departures from the full cylindrical form depicted are allowed provided that dimension A is maintained immediately above the resting points "V" and also at a sufficient number of other points around the perimeter of the holder to provide adequate support for the lamp cap.

Dimension	Min.	Max.
A (1)(3)	22,3 (2)	22,7 (4)
B	27,77 (3)	--
D	--	4,9 (5)
D1	8,5	--
E (6)	2,7	3,8
F	2,7 (6)	--
H (7)	3,5	--
K	10,5	13,2
N	--	6,5
P	0,9	1,3
Q	E/2	
R1	H/2	
R2	Z	
S (8)	8,0	--
W	Approx. 1,0	
Z	1,3	--
α	Approx. 23 °	
β	82 ° 30'	97 ° 30'

- (2) This value may be reduced to 22,1 mm for lampholders the shells of which are slotted to provide spring tension for gripping the lamp cap.
(3) To be checked by means of the appropriate gauge shown on sheet 7006-12.
(4) This value may be increased to 23,19 mm for holders of "all-ceramic" construction in which case it shall be checked by means of the gauge shown on sheet 7006-12B.
(5) To be checked by means of the gauge shown on sheet 7006-15A.
(6) To be checked by means of the appropriate gauge shown on sheet 7006-13.
(7) Dimension H refers to the diameter of plunger contacts only.
(8) For the significance of dimension S, see the relevant requirement on page 2/2.
- (1) Des écarts par rapport à la forme absolument cylindrique sont permis sous réserve que la dimension A soit maintenue immédiatement au-dessus des points de repos "V" et également dans un nombre d'autres points suffisant le long du périmètre de la douille afin de procurer un support adéquat pour la lampe munie de son culot.
(2) Cette valeur peut être réduite à 22,1 mm pour la douille dont la chemise est fendue de façon à former ressort pour maintenir le culot.

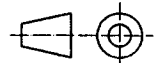
7005-10-8

	<p style="text-align: center;">BAYONET LAMPHOLDERS</p> <p style="text-align: center;">DOUILLES A BAIONNETTE</p> <p style="text-align: center;">B22d</p>	Page 2/2
<p style="text-align: center;">Dimensions in millimetres - Dimensions en millimètres</p> <p>(3) A vérifier au moyen du calibre approprié indiqué sur la feuille 7006-12.</p> <p>(4) Cette valeur peut être augmentée à 23,19 mm pour les douilles de construction "tout céramique" et, dans ce cas, elle sera vérifiée au moyen du calibre indiqué sur la feuille 7006-12B.</p> <p>(5) A vérifier au moyen du calibre indiqué sur la feuille 7006-15A.</p> <p>(6) A vérifier au moyen du calibre approprié indiqué sur la feuille 7006-13.</p> <p>(7) La dimension H correspond au diamètre pour les seuls contacts par piston.</p> <p>(8) Pour la signification de la dimension S, voir la prescription correspondante.</p> <p>The dimensions shown are for design purposes only and shall not be checked individually. Checks to verify interchangeability with respect to the corresponding caps on finished lamps shall be made only by means of the gauges specified.</p> <p>Holders shall be so designed that there is no risk of electrical contact with, or short-circuit between, the holder contacts by the shell of the lamp cap when an attempt is made to insert this at an angle to the axis of the holder.</p> <p>This may be achieved in either of the following ways:</p> <p>a) By observing the limit for dimension S at a sufficient number of points around the perimeter of the holder bore.</p> <p>b) By the provision of a skirt or similar device to limit the degree of possible skewness during insertion of a lamp.</p> <p>The contact-making surfaces shall be smooth and so shaped at their edges that they do not prevent easy insertion and removal of a corresponding lamp.</p> <p>Where piston-type cylindrical plungers are used, the following particular requirements shall apply:</p> <p>a) The contact face of the plunger shall be flat or convex; it shall not be concave. The contact-making surface shall be free from burrs or other sharp projections.</p> <p>b) The transition of the contact-making surface to the cylindrical diameter of the plunger shall be rounded or chamfered in accordance with the values given in the table.</p> <p>c) The extreme profile of the plunger face may be hemispherical.</p> <p>The forces required to depress each contact individually to positions of 6,0 mm* and 8,0 mm* beyond the plane through the resting points "V", shall comply with the values shown in table 3 of IEC 61184.</p> <p>To be checked by means of the gauge shown on sheet 7006-15A.</p> <p>* These contact positions correspond with those resulting from the fitting of caps of which the values of dimension D1 are minimum and maximum respectively.</p> <p>Les dimensions indiquées sont seulement destinées à la conception et ne doivent pas être vérifiées individuellement. Pour les essais destinés à vérifier l'interchangeabilité des lampes terminées munies du culot, on doit seulement employer les calibres spécifiés.</p> <p>Les douilles doivent être conçues de telle sorte que lors de l'insertion de la lampe en position inclinée par rapport à l'axe de la douille, il n'y ait pas de risque de contact électrique ou de courts-circuits entre les contacts de la douille et la chemise du culot.</p> <p>Cela peut être obtenu par l'un des moyens suivants:</p> <p>a) En respectant la dimension limite S en un nombre de points suffisants le long du périmètre du corps de la douille.</p> <p>b) En prévoyant une jupe ou un dispositif analogue pour limiter l'inclinaison possible durant l'insertion de la lampe.</p> <p>Les surfaces de contact doivent être lisses et de forme telle que leurs bords ne gênent pas l'insertion et le retrait des lampes correspondantes.</p> <p>Si les contacts sont du type à piston plongeur cylindrique, les prescriptions particulières suivantes sont applicables:</p> <p>a) La surface de contact du piston doit être plate ou convexe; elle ne doit pas être concave. La surface de contact ne doit pas présenter de bavures ou de parties saillantes.</p> <p>b) Le passage de la surface de contact à la partie cylindrique du piston doit être arrondi ou chanfreiné conformément aux valeurs indiquées dans le tableau.</p> <p>c) Le profil-limite du contact peut être hémisphérique.</p> <p>Les forces nécessaires pour enfoncer individuellement chaque contact à partir des positions situées à 6,0 mm* et 8,0 mm* au-delà du plan passant par les points de repos "V" doivent être conformes aux valeurs du tableau 3 de la CEI 61184.</p> <p>Ceci sera vérifié en utilisant le calibre indiqué sur la feuille 7006-15A.</p> <p>* Ces positions de contact correspondent avec celles qui résultent de l'introduction du culot pour lequel les valeurs de la dimension D1 sont respectivement minimale et maximale.</p>		
	7005-10-8	<p style="text-align: right;">IEC 60061-2 Amend. 21</p> <p style="text-align: right;">Documents</p> <p style="text-align: right;">Document Sharing Hub</p>

BAYONET LAMPHOLDERS

DOUILLES A BAIONNETTE

B22d-3(90°/135°)

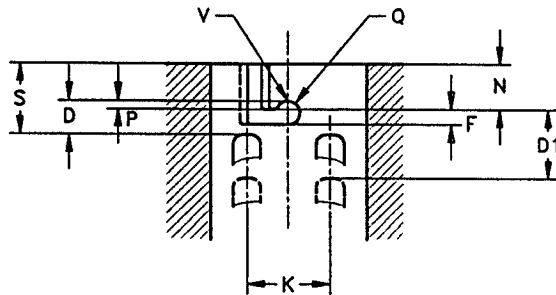
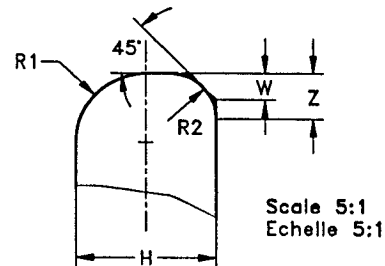


Page 1/2

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.

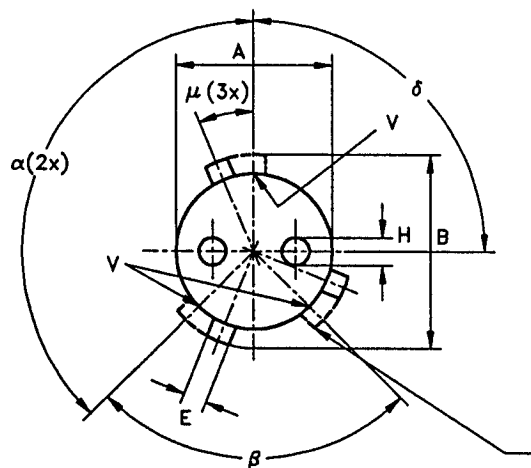
For details of cap B22d-3(90°/135°), see sheet 7004-10A.
Pour les détails du culot B22d-3(90°/135°), voir feuille 7004-10A.



Min profile Max profile

EXTREME PLUNGER PROFILES
(Piston-type only)

PROFILES-LIMITE DES CONTACTS
(Du type à piston plongeur)



V = Resting point of cap pin
V = Point de repos de l'ergot du culot

Contour of free space for cap pins
Limite de l'espace libre destiné aux ergots
du culot

Dimension	Min.	Max.
A	22,3 (1)	22,7
B	27,77	-
D	-	4,9
D1	8,5	-
E (3)	2,7	3,8
F	2,7 (3)	-
H (2)	3,5	-
K	10,5	13,2
N	-	6,5
P	0,9	1,3
Q	E/2	
R1	H/2	
R2	Z	
S	8,0	-
W	Approx. 1,0	
Z	1,3	-
α	135°	
β	90°	
δ	82°30'	97°30'
μ	Approx. 23°	

- (1) This value may be 22,1 mm for lampholders, the shells of which are slotted to provide a spring tension for gripping the lamp cap.
(2) Dimension H refers to the diameter of plunger contacts only.
(3) To be checked by means of the appropriate gauge shown on sheet 7006-13.

- (1) Cette valeur peut être de 22,1 mm pour les douilles dont la chemise est fendue de façon à former ressort et à maintenir le culot.
(2) La dimension H correspond au diamètre pour les seuls contacts par piston.
(3) A vérifier au moyen du calibre approprié indiqué sur la feuille 7006-13.

The contact-making surfaces shall be smooth and so shaped at their edges that they do not prevent easy insertion and removal of a corresponding lamp.

Where piston-type cylindrical plungers are used, the following particular requirements shall apply:

- The contact face of the plunger shall be flat or convex; it shall not be concave. The contact-making surface shall be free from burrs or other sharp projections.
- The transition of the contact-making surface to the cylindrical diameter of the plunger shall be rounded or chamfered in accordance with the values given in the table.
- The extreme profile of the plunger face may be hemispherical.

7005-10A-4

BAYONET LAMPHOLDERS

DOUILLES A BAIONNETTE

B22d-3(90°/135°)

Page 2/2

Dimensions in millimetres - Dimensions en millimètres

The forces required to depress each contact individually to positions of 6,0 mm* and 8,0 mm* beyond the plane through the resting points "V", shall be not less than 2,5 N and not more than 15 N respectively.
To be checked by means of the gauge shown on sheet 7006-15.

* These contact positions correspond with those resulting from the fitting of caps of which the values of dimensions D and D1 are minimum and maximum respectively.

Les surfaces de contact doivent être lisses et de forme telle que leurs bords ne gênent pas l'insertion et le retrait des lampes correspondantes.

Si les contacts sont du type à piston plongeur cylindrique, les prescriptions particulières suivantes sont applicables:

- a) La surface de contact du piston doit être plate ou convexe; elle ne doit pas être concave. La surface de contact ne doit pas présenter de bavures ou de parties saillantes.
- b) Le passage de la surface de contact à la partie cylindrique du piston doit être arrondi ou chanfreiné conformément aux valeurs indiquées dans le tableau.
- c) Le profil-limite de la force de contact peut être hémisphérique.

Les forces nécessaires pour enfoncer individuellement chaque contact à partir des positions situées à 6,0 mm* et 8,0 mm* au-delà du plan passant par les points de repos "V" ne doivent pas être respectivement inférieures à 2,5 N et supérieures à 15 N.

Ceci sera vérifié en utilisant le calibre indiqué sur la feuille 7006-15.

* Ces positions de contact correspondent avec celle qui résultent de l'introduction du culot pour lequel les valeurs des dimensions D et D1 sont respectivement minimum et maximum.

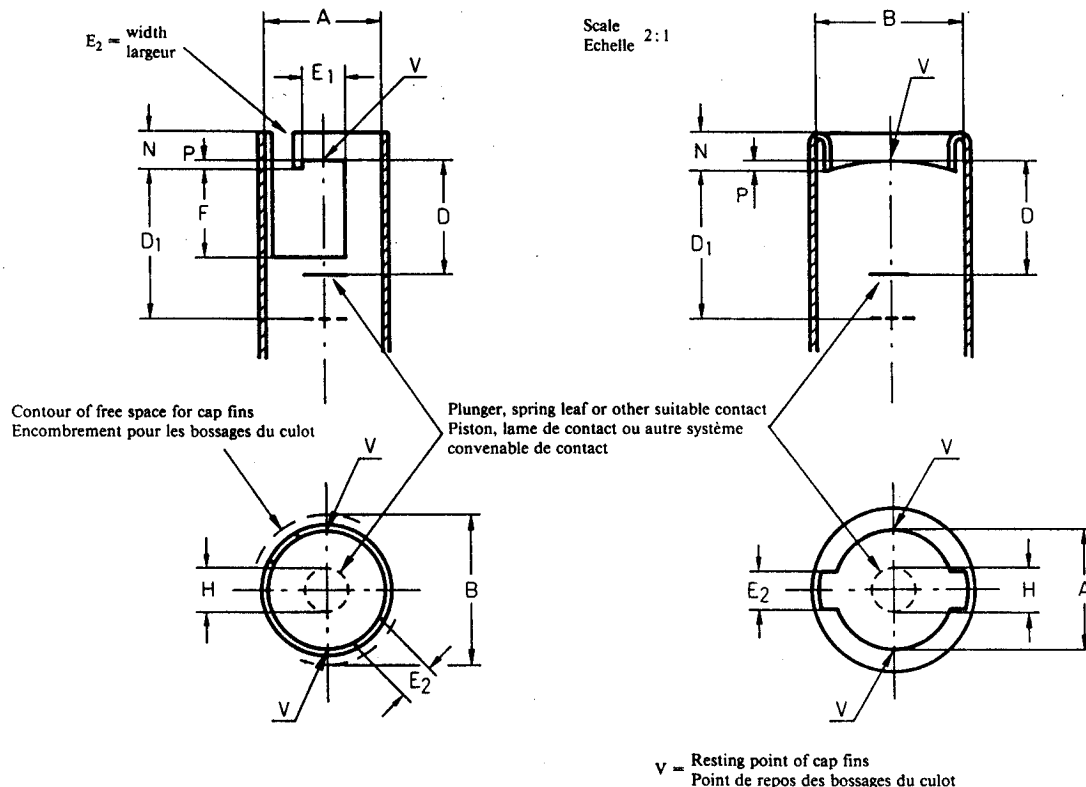
7005-10A-4

LAMPHOLDERS FOR BAYONET AUTOMOBILE CAPS
DOUILLES POUR CULOTS À BAÏONNETTE
POUR AUTOMOBILES
BA7

Dimensions in millimetres — Dimensions en millimètres

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

For details of cap BA7, see sheet 7004-15.
 Pour les détails du culot BA7, voir feuille 7004-15.



The forces required to depress the contact to positions of 7.7 mm and 8.7 mm beyond the plane through the resting points "V", shall be not less than 3 N and not more than 10 N respectively.

The contact positions specified, correspond with those resulting from the fitting of caps of which the values of dimension D_1 are minimum and maximum respectively.

Les forces nécessaires pour enfoncer le contact à partir des positions situées à 7,7 mm et 8,7 mm au-delà du plan passant par les points de repos «V», ne doivent pas être respectivement inférieures à 3 N et supérieures à 10 N.

Les positions de contact spécifiées correspondent à celles qui résultent de l'introduction du culot pour lequel les valeurs de la dimension D_1 sont respectivement minimum et maximum.

Dimension	Min.	Max.
A (1)	7.15	7.3
B	9.0	—
D	—	7.2
D_1	9.2	—
E_1	2.4	3.0
E_2	2.4	—
F	5.0	—
H (2)	2.5	—
N	—	2.5
P	0.5	—

- (1) Departures from the cylindrical form depicted are allowed. However, dimension A must be maintained immediately above the resting points "V" and also at other positions between the resting points to provide an equivalent means of support.
- (2) This dimension refers to the contact face of plunger contacts only.
- (1) Il est permis de s'écarter de la forme rigoureusement cylindrique. Cependant, la dimension A doit être respectée immédiatement au-dessus des points de repos «V» et également dans d'autres positions situées entre les points de repos afin d'obtenir un maintien convenable du culot.
- (2) Cette dimension se rapporte à la face de contact uniquement dans le cas d'un contact par piston.

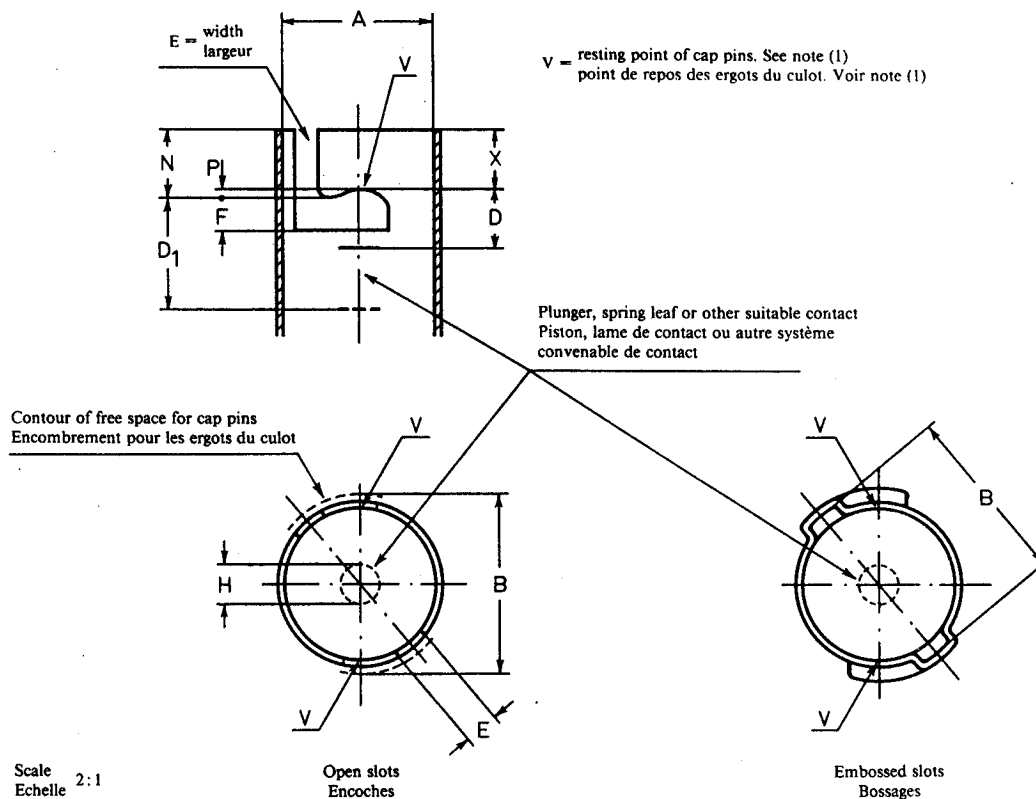
LAMPHOLDERS FOR BAYONET AUTOMOBILE CAPS
DOUILLES POUR CULOTS À BAÏONNETTE
POUR AUTOMOBILES
BA9

Page 1

Dimensions in millimetres — Dimensions en millimètres

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

For details of cap BA9, see sheet 7004-14.
 Pour les détails du culot BA9, voir feuille 7004-14.



The forces required to depress the contact to positions of 4.3 mm and 5.9 mm beyond the plane through the resting points "V", shall be not less than 3 N and not more than 20 N respectively. The contact positions specified, correspond with those resulting from the fitting of caps of which the values of dimension D_1 are minimum and maximum respectively.

Les forces nécessaires pour enfoncer le contact à partir des positions situées à 4,3 mm et 5,9 mm au-delà du plan passant par les points de repos «V», ne doivent pas être respectivement inférieures à 3 N et supérieures à 20 N. Les positions de contact spécifiées, correspondent avec celles qui résultent de l'introduction du culot pour lequel les valeurs de la dimension D_1 sont respectivement minimum et maximum.

LAMP HOLDERS FOR BAYONET AUTOMOBILE CAPS
DOUILLES POUR CULOTS À BAÏONNETTE
POUR AUTOMOBILES
BA9

Page 2

Dimensions in millimetres — Dimensions en millimètres

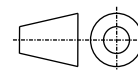
Standard dimensions Dimensions normalisées			Nearest equivalents in inches Equivalents arrondis en pouces	
Dimension	Min.	Max.	Min.	Max.
A (2)	9.32	9.44	0.367	0.372
B	11.05	—	0.435	—
D	—	3.8	—	0.150
D ₁	6.65	—	0.262	—
E	2.2	—	0.087	—
F	2.2	—	0.087	—
H (4)	2.5	—	0.098	—
N	—	4.4	—	0.173
P	0.5	—	0.020	—
X (3)	3.0	—	0.118	—

- (1) For BA9 holders intended for use in luminaires incorporating optical devices, the difference in height between the two resting points "V" shall not exceed 0.2 mm (0.008 in).
- (2) Departures from the cylindrical form depicted are allowed. However, dimension A must be maintained immediately above the resting points "V" and also at other positions between the resting points to provide an equivalent means of support.
- (3) Dimension X applies to lampholders intended for use in luminaires incorporating optical devices. In such cases, departure from the cylindrical form shown is allowed only under the following conditions:
- At distance "X" from the resting points there shall be two or more supporting points to assist in centring the lamp.
 - The requirements for dimension A shall be complied with at these points.
 - Where only two such points are provided, they shall be at right-angles to the direction through the resting points "V".
- (4) This dimension refers to the contact face of plunger contacts only.

- (1) Pour les douilles BA9 destinées à être utilisées dans des luminaires avec système optique incorporé, la différence en hauteur entre les deux points de repos «V» ne doit pas excéder 0,2 mm (0,008 in).
- (2) Il est permis de s'écarter de la forme rigoureusement cylindrique. Cependant, la dimension A doit être respectée immédiatement au-dessus des points de repos «V» et également dans d'autres positions situées entre les points de repos afin d'obtenir un maintien convenable du culot.
- (3) La dimension X s'applique aux douilles destinées à être utilisées dans des luminaires avec système optique incorporé. Dans de tels cas, il est permis, seulement dans les conditions suivantes, de s'écarter de la forme cylindrique représentée:
- A la distance «X» des points de repos il doit y avoir deux ou plus de deux points d'appui pour aider au centrage de la lampe.
 - Les exigences pour la dimension A doivent être satisfaites en ces points.
 - Lorsque seulement deux de ces points sont prévus, ceux-ci doivent être à angle droit avec la ligne des points de repos «V».
- (4) Cette dimension se rapporte à la face de contact uniquement dans le cas d'un contact par piston.

LAMPHOLDERS DOUILLES

**BA15, BA15-3(110°), BAU15, BAU15-3(110°),
BAW15, BAW15-3(110°), BAY15, BAY15-3(110°),
BAZ15, BAZ15-3(110°)**



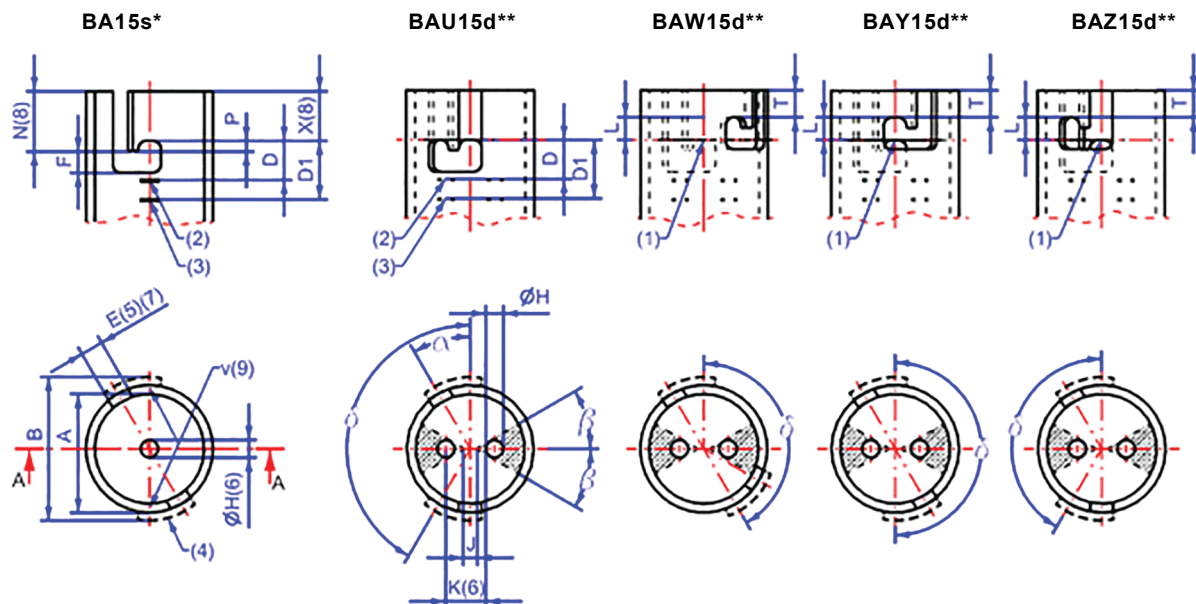
Page 1/4

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.

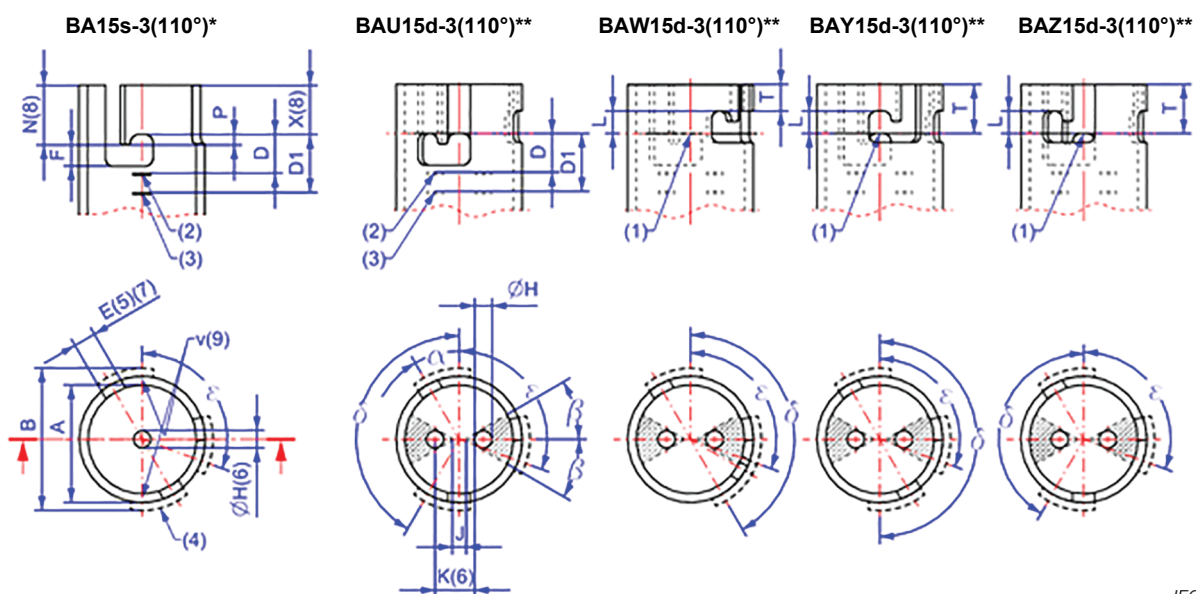
For details of related caps, see Table 2.

Pour les détails de culots associés, voir Tableau 2.



IEC

Figure 1 – BA15d/s, BAU15d/s, BAW15d/s, BAY15d/s and/et BAZ15d/s



IEC

**Figure 2 – BA15d/s-3(110°), BAU15d/s-3(110°), BAW15d/s-3(110°),
BAY15d/s-3(110°) and/et BAZ15d/s-3(110°)**

* Information regarding the double-contact for BA15d and BA15d-3(110°) lampholders is to be taken from the BAU15d and the BAU15d-3(110°) holder drawing, respectively.

** Information regarding the single-contact BAU15s, BAW15s, BAY15s and BAZ15s lampholders is given in the BA15s holder drawing. For the single-contact BAU15s-3(110°), BAW15s-3(110°), BAY15s-3(110°) and BAZ15s-3(110°) lampholders information is given in the the BA15s-3(110°) holder drawing.

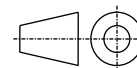
* Informations concernant les douilles BA15d et BA15d-3(110°) à double contact à prendre en compte d'après les dessins des douilles BAU15d et BAU15d-3(110°), respectivement.

** Informations concernant les douilles BAU15s, BAW15s, BAY15s et BAZ15s à contact unique fournies par le dessin de douille BA15s. Concernant les douilles BAU15s-3(110°), BAW15s-3(110°), BAY15s-3(110°) et BAZ15s-3(110°) à contact unique, les informations sont fournies par le dessin de douille BA15s-3(110°).

7005-13-6

LAMPHOLDERS DOUILLES

**BA15, BA15-3(110°), BAU15, BAU15-3(110°),
BAW15, BAW15-3(110°), BAY15, BAY15-3(110°),
BAZ15, BAZ15-3(110°)**



Page 2/4

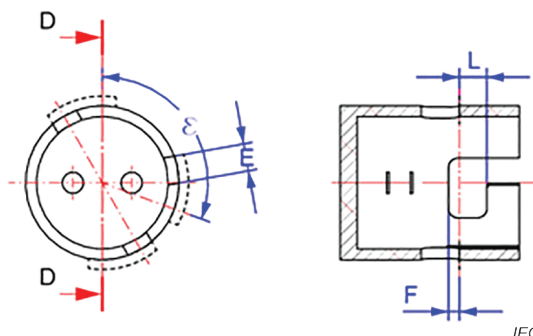


Figure 3 – 3rd slot definition for BA15d/s-3(110°), BAU15d/s-3(110°), BAW15d/s-3(110°), BAY15d/s-3(110°) and BAZ15d/s-3(110°) / Définition de 3^e encoche de BA15d/s-3(110°), BAU15d/s-3(110°), BAW15d/s-3(110°), BAY15d/s-3(110°) et BAZ15d/s-3(110°)

Table 1 / Tableau 1 – Dimensions

Dimension	Min.	Max.
A	15,33	15,47
B	17,02	--
D	--	5,5
D1	8,25	--
E (5)(7)	2,7	3,2
F	2,7	--
H (6)	2,5	--
J	2,0	--
K (6)	6,9	7,36

Dimension	Min.	Max.
L	3,1	3,3
N	--	8,7
P	0,75	--
T	--	5,3
X (8)	5,0	--
α (7)	Approx. 30°	
β	30°	
δ	Nominal 150°	
ε	Nominal 110°	

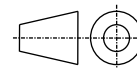
- (1) Reference notch.
- (2) Plunger, leaf spring or other suitable contact. Contact position without lamp inserted.
- (3) Contact in the fully depressed position.
- (4) Contour of free space for cap pins for open slots. Both open and embossed slots may be applied.
- (5) Besides the slots defined by width E, other slots or recesses in the holder barrel are only permissible if their width, seen from the direction of cap insertion is smaller than 1,8 mm.
- (6) This dimension refers to the contact face of plunger contacts only.
- (7) The dimensions E_{max} and α apply to double-contact lampholders having one or two complete "J"-slots. In holders with incomplete "J"-slots, or none at all, which may permit rotation of a lamp outside the limits normally imposed by angle α and dimension E_{max} while contact is made, all possible areas of contact of the leaves, plungers, etc. shall be within the shaded area indicated. These requirements need not be observed in single-contact holders.
- (8) Dimension X applies to lampholders intended for use in luminaires incorporating optical devices.
- (9) For lampholders intended for use in luminaires incorporating optical devices, the difference in height between the two resting points "V" shall not exceed 0,2 mm.
- (10) See Table 3 for interchangeability of related caps and holders.

Holders shall be so designed that there is no risk of electrical contact with, or short circuit between, the holder contacts by the shell of the lamp cap when an attempt is made to insert this at an angle to the axis of the holder. Sufficient clearance between the live parts of different polarity shall be maintained in an empty lampholder and also both during and after insertion of a lamp.

The forces required to depress each contact individually to positions of 6,32 mm and 7,5 mm beyond the horizontal plane through the resting point(s) "V" (the resting point of the reference notch in the case of BAW15, BAW15-3(110°), BAY15, BAY15-3(110°), BAZ15 and BAZ15-3(110°) lampholders) shall be not less than 5 N and not more than 20 N respectively (not more than 10 N for plunger contacts). These contact positions correspond to those resulting from the fitting of caps of which the values of dimension D1 are minimum and maximum respectively.

LAMPHOLDERS DOUILLES

**BA15, BA15-3(110°), BAU15, BAU15-3(110°),
BAW15, BAW15-3(110°), BAY15, BAY15-3(110°),
BAZ15, BAZ15-3(110°)**



Page 3/4

- (1) Encoche de référence.
- (2) Piston, ressort à lame de contact ou autre système de contact adéquat. Position du contact sans douille introduite.
- (3) Contact dans la position complètement enfoncée.
- (4) Encombrement pour les broches du culot pour les encoches. Tant des encoches que des bossages peuvent être employés.
- (5) En plus des encoches définies par la largeur E, d'autres encoches ou évidements dans le fût de la douille sont admissibles à condition que leur largeur, vue dans le sens d'insertion du culot, soit inférieure à 1,8 mm.
- (6) Cette dimension se rapporte à la face de contact uniquement dans le cas d'un contact par piston.
- (7) Les dimensions E_{max} et α s'appliquent aux douilles à double contact ayant une ou deux encoches avec butée. Dans les douilles où les encoches n'ont pas de butée, ou dans le cas d'absence d'encoche, ce qui permet de tourner la lampe en dehors des limites normalement imposées par l'angle α et la dimension E_{max} pendant que le contact est réalisé, toutes les zones de contact possibles des lames d'aménées de courant, des pistons, etc. doivent être limitées à l'intérieur des zones ombrées indiquées.
Il n'y a pas lieu d'observer ces exigences dans le cas de douilles à contact unique.
- (8) La dimension X s'applique aux douilles destinées à être utilisées dans les luminaires avec système optique incorporé.
- (9) Pour les douilles destinées à être utilisées dans les luminaires avec système optique incorporé, la différence en hauteur des deux points d'appui "V" ne doit pas dépasser 0,2 mm.
- (10) Voir le Tableau 3 pour l'interchangeabilité des culots et des douilles associés.

Les douilles doivent être conçues de telle sorte que lors de l'insertion du culot en position inclinée par rapport à l'axe de la douille, il n'y ait pas de risque de contact électrique avec/ou de courts-circuits entre les contacts de la douille et la chemise du culot. Un espace suffisant entre les parties actives de polarités différentes doit exister lorsque le culot n'est pas dans la douille et également pendant et après l'insertion de la lampe.

Les forces nécessaires pour abaisser chaque contact individuellement à des positions situées à 6,32 mm et 7,5 mm au-dessus du plan horizontal passant par le(s) point(s) d'appui "V" (à savoir le point d'appui de l'encoche de référence dans le cas des douilles BAW15, BAW15-3(110°), BAY15, BAY15-3(110°), BAZ15 et BAZ15-3(110°)) ne doivent pas être respectivement inférieures à 5 N et supérieures à 20 N (pas supérieures à 10 N dans le cas des contacts par piston). Ces positions de contact correspondent avec celles qui résultent de l'introduction du culot pour lequel les valeurs de la dimension D1 sont respectivement minimale et maximale.

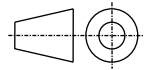
Table 2 – Cap references / Tableau 2 – Références de culots

Designation/Désignation	Cap sheet/Feuille de caractéristiques de culots	Designation/Désignation	Cap sheet/Feuille de caractéristiques de culots
BA15d & BA15s	7004-11	BA15d-3(110°) & BA15s-3(110°)	7004-19A
BAU15d & BAU15s	7004-19	BAU15d-3(110°) & BAU15s-3(110°)	7004-19A
BAW15d & BAW15s	7004-11E	BAW15d-3(110°) & BAW15s-3(110°)	7004-19A
BAY15d & BAY15s	7004-11B	BAY15d-3(110°) & BAY15s-3(110°)	7004-19A
BAZ15d & BAZ15s	7004-11C	BAZ15d-3(110°) & BAZ15s-3(110°)	7004-19A

7005-13-6

LAMPHOLDERS**DOUILLES**

**BA15, BA15-3(110°), BAU15, BAU15-3(110°),
BAW15, BAW15-3(110°), BAY15, BAY15-3(110°),
BAZ15, BAZ15-3(110°)**



Page 4/4

**Table 3 – Family interchangeability information (cap-type matching holder-type) /
Tableau 3 – Information d'interchangeabilité de familles (Type du culot correspondant au type
de douille)**

		Holder / Douille									
		BA15d & Ba15s	BA15d-3(110°) & BA15s-3(110°)	BAU15d & BAU15s	BAU15d-3(110°) & BAU15s-3(110°)	BAW15d & BAW15s	BAW15d-3(110°) & BAW15s-3(110°)	BAY15d & BAY15s	BAY15d-3(110°) & BAY15s-3(110°)	BAZ15d & BAZ15s	BAZ15d-3(110°) & BAZ15s-3(110°)
Cap / Culot	BA15d & BA15s	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗
	BA15d-3(110°) & BA15s-3(110°)	✗	✓	✗	✗	✗	✗	✗	✗	✗	✗
	BAU15d & BAU15s	✗	✗	✓	✓	✗	✗	✗	✗	✗	✗
	BAU15d-3(110°) & BAU15s-3(110°)	✗	✗	✗	✓	✗	✗	✗	✗	✗	✗
	BAW15d & BAW15s	✗	✗	✗	✗	✓	✓	✗	✗	✗	✗
	BAU15d-3(110°) & BAU15s-3(110°)	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗
	BAY15d & BAY15s	✗	✗	✗	✗	✗	✗	✓	✓	✗	✗
	BAY15d-3(110°) & BAY15s-3(110°)	✗	✗	✗	✗	✗	✗	✗	✓	✗	✗
	BAZ15d & BAZ15s	✗	✗	✗	✗	✗	✗	✗	✗	✓	✓
	BAZ15d-3(110°) & BAZ15s-3(110°)	✗	✗	✗	✗	✗	✗	✗	✗	✗	✓

Explanation/Note:

- ✓ Mechanical fit; only cap type "s" will function electrically in a holder type "s" and the cap type "d" will function in a holder type "d".
- ✗ No mechanical fit.

Note explicative:

- ✓ Assemblage mécanique; seul le type de culot "s" fonctionnera électriquement dans un type de douille "s" et le type de culot "d" fonctionnera dans un type de douille "d".
- ✗ Aucun assemblage mécanique.

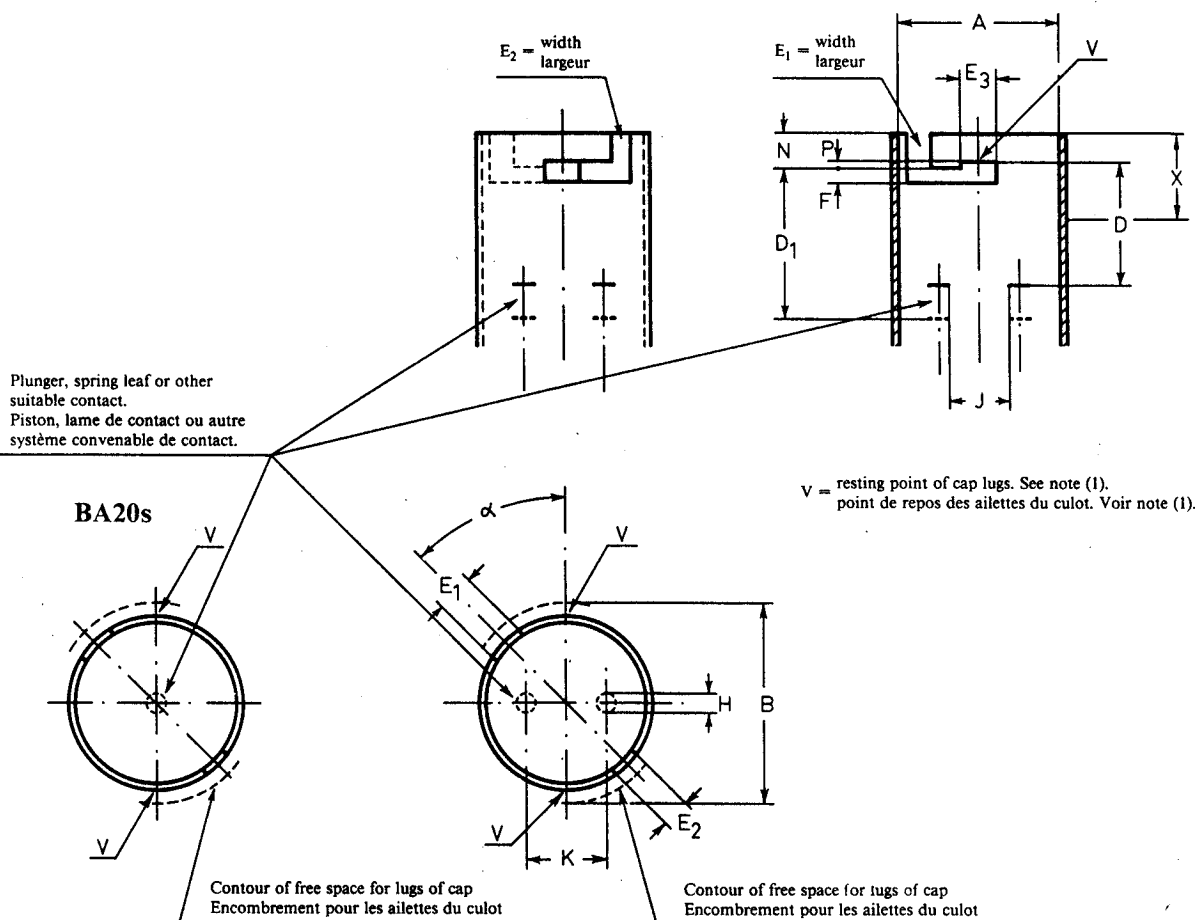
LAMPHOLDERS FOR BAYONET AUTOMOBILE CAPS
DOUILLES POUR CULOTS À BAÏONNETTE
POUR AUTOMOBILES
BA20

Page 1

Dimensions in millimetres — Dimensions en millimètres

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

For details of cap BA20, see sheet 7004-12.
 Pour les détails du culot BA20, voir feuille 7004-12.

BA20d

Holders shall be so designed that there is no risk of electrical contact with, or short circuit between, the holder contact(s) by the shell of the lamp cap when an attempt is made to insert this at an angle to the axis of the holder.

The forces required to depress each contact individually to positions of 15.5 mm and 17.0 mm beyond the plane through the resting points "V" shall be not less than 5 N and not more than 20 N (not more than 15 N for plunger contacts in BA20d holders). The slot for the small lug shall be long enough to allow the reference lug to locate at position E₃.

Les douilles doivent être conçues de telle sorte que lors de l'insertion de la lampe en position inclinée par rapport à l'axe de la douille, il n'y ait pas de risque de contact électrique avec/ou des courts-circuits entre le(s) contact(s) de la douille et la chemise du culot.

Les forces nécessaires pour enfoncer individuellement chaque contact à partir des positions situées à 15,5 mm et 17,0 mm au-delà du plan passant par les points de repos «V» ne doivent pas être respectivement inférieures à 5 N et supérieures à 20 N (pas supérieures à 15 N dans le cas des contacts par piston dans les douilles BA20d). L'encoche pour la petite languette doit être suffisamment longue pour permettre à la languette de référence de se placer à la position E₃.