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Ball and socket couplings of string insulator units - Dimensions

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/20

Obsahuje: EN IEC 60120:2020, IEC 60120:2020

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EN IEC 60120

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September 2020

ICS 29.080.10; 29.240.20

Supersedes HD 474 S1:1986 and all of its amendments
and corrigenda (if any)

English Version

**Ball and socket couplings of string insulator units - Dimensions
(IEC 60120:2020)**Assemblages à rotule des éléments de chaînes d'isolateurs
- Dimensions
(IEC 60120:2020)To be completed
(IEC 60120:2020)

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EN IEC 60120:2020 (E)**European foreword**

The text of document 36/486/FDIS, future edition 4 of IEC 60120, prepared by IEC/TC 36 "Insulators" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60120:2020.

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60305	NOTE	Harmonized as EN 60305
IEC 60383-1	NOTE	Harmonized as EN 60383-1
IEC 60433	NOTE	Harmonized as EN 60433
IEC 61325	NOTE	Harmonized as EN 61325

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-471	2007	International Electrotechnical Vocabulary - Part 471: Insulators	-	-
IEC 60372	-	Locking devices for ball and socket couplings of string insulator units - Dimensions and tests	-	-



IEC 60120

Edition 4.0 2020-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Ball and socket couplings of string insulator units – Dimensions

Assemblages à rotule des éléments de chaînes d'isolateurs – Dimensions

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IEC 60120

Edition 4.0 2020-07

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Ball and socket couplings of string insulator units – Dimensions

Assemblages à rotule des éléments de chaînes d'isolateurs – Dimensions

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**BALL AND SOCKET COUPLINGS OF STRING
INSULATOR UNITS – DIMENSIONS**

FOREWORD

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International Standard IEC 60120 has been prepared by IEC technical committee 36: Insulators.

This fourth edition cancels and replaces the third edition published in 1984. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) Two new designated size of couplings, 36 and 40 were introduced;
- b) According to the results of the questionnaire(36/424/Q), the relevant content of the 28B W-clip was deleted;
- c) The Q_{min} column in Table C.1 was deleted;
- d) Annex A is informative, Annex B is normative, Annex C is informative.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
36/486/FDIS	36/492/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://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.

BALL AND SOCKET COUPLINGS OF STRING INSULATOR UNITS – DIMENSIONS

1 Scope

The object of this international standard is to define the dimensions of a series of standard ball and socket couplings using the standard locking devices (see IEC 60372) in order to permit the assembly of insulators or metal fittings supplied by different manufacturers.

This document applies to string insulator units of the cap and pin and long rod types and their associated metal fittings.

For the pin ball and the socket, dimensions apply to the finished product after any surface treatment.

Extreme positions of the pin ball in the socket are given in Annex A.

Typical examples of gauges for checking the dimensions of pin balls and sockets are given in Annex B.

NOTE Only the dimensions necessary for assembly are dealt with in this standard. Properties of material and working loads are not specified. The co-ordination of dimensions with strength classes is specified in IEC 60305 and IEC 60433.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60050-471:2007, *International Electrotechnical Vocabulary (IEV) – Part 471: Insulators*

IEC 60372, *Locking devices for ball and socket couplings of string insulator units – Dimensions and tests*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN