

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Clevis and tongue couplings of string insulator units – Dimensions

**Assemblages à chape et tenon des éléments de chaînes d'isolateurs –
Dimensions**



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CLEVIS AND TONGUE COUPLINGS OF
STRING INSULATOR UNITS – DIMENSIONS****FOREWORD**

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International Standard IEC 60471 has been prepared by IEC technical committee 36: Insulators.

This third edition cancels and replaces the second edition published in 1977. This edition constitutes a technical revision.

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

- a) According to the results of the questionnaire(36/424/Q), it is confirmed that there are no new clevis and tongue couplings;
- b) For the dimensions of the existing designated size of couplings that characterize the same location, the effective number of the size is unified.

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

FDIS	Report on voting
36/484/FDIS	36/494/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- withdrawn,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.

CLEVIS AND TONGUE COUPLINGS OF STRING INSULATOR UNITS – DIMENSIONS

1 Scope

This international standard applies to string insulator units of the cap and pin type and also of the long rod type as well as the fittings used with such insulators.

The object of this document is to define the dimensions of a series of clevis and tongue couplings to permit the assembly of insulators or fittings supplied by different manufacturers.

NOTE 1 IEC 60305 gives the coordination between the standardized dimensions of Table 1 and the strength classes of cap and pin insulator. IEC 60433 gives the coordination between the standardized dimensions of Table 2 and the strength classes of long rod insulators.

NOTE 2 If the dimensions given in Table 1 are not sufficient, higher strength classes are given in IEC 60305.

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 60120:2020, *Ball and socket couplings of string insulator units - Dimensions*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

clevis and tongue coupling

female part of a clevis and tongue coupling with a U-shaped opening into which the tongue coupling can be fitted

Note 1 to entry: A clevis contains two holes through which the coupling pin may pass to couple the two components.

3.2

clevis

female part of a clevis and tongue coupling with a U-shaped opening into which the tongue coupling can be fitted

Note 1 to entry: A clevis contains two holes through which the coupling pin may pass to couple the two components.