

AS 60120:2022



STANDARDS  
Australia



# **Ball and socket couplings of string insulator units — Dimensions (IEC 60120:2020 (ED. 4.0) MOD)**



AS 60120:2022

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The following are represented on Committee EL-010:

- Australian Industry Group
- Civil Aviation Safety Authority
- Communications, Electrical and Plumbing Union — Electrical Division
- Department of Regional NSW
- Electrical Regulatory Authorities Council
- Energy Networks Australia
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# **Ball and socket couplings of string insulator units — Dimensions (IEC 60120:2020 (ED. 4.0) MOD)**

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## Preface

This Standard was prepared by the Standards Australia Committee EL-010, Overhead Lines, to supersede AS 60120 — 2010, *Dimensions of ball and socket couplings of string insulator joints*.

The objective of this document is to define the dimensions of a series of standard ball and socket couplings using the standard locking devices (refer to AS 60372:2022) 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.

This document is an adoption with national modifications, and has been reproduced from, IEC 60120:2020 (ED. 4.0), *Ball and socket couplings of string insulator units — Dimensions*. The modifications are additional requirements and are set out in Appendix ZZ, which has been added at the end of the source text.

Appendix ZZ lists the modifications to IEC 60120 for the application of this document in Australia.

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