

Australian Standard[®]

**Dimensions of ball and socket
couplings of string insulator units**



This Australian Standard® was prepared by Committee EL-010, Overhead Lines. It was approved on behalf of the Council of Standards Australia on 19 November 2009. This Standard was published on 29 January 2010.

The following are represented on Committee EL-010:

- Australian Industry Group
 - Electricity Engineers Association (New Zealand)
 - Energy Networks Association
-

This Standard was issued in draft form for comment as DR 07048.

Standards Australia wishes to acknowledge the participation of the expert individuals that contributed to the development of this Standard through their representation on the Committee and through the public comment period.

Keeping Standards up-to-date

Australian Standards® are living documents that reflect progress in science, technology and systems. To maintain their currency, all Standards are periodically reviewed, and new editions are published. Between editions, amendments may be issued.

Standards may also be withdrawn. It is important that readers assure themselves they are using a current Standard, which should include any amendments that may have been published since the Standard was published.

Detailed information about Australian Standards, drafts, amendments and new projects can be found by visiting www.standards.org.au

Standards Australia welcomes suggestions for improvements, and encourages readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.org.au, or write to Standards Australia, GPO Box 476, Sydney, NSW 2001.

Australian Standard[®]

**Dimensions of ball and socket
couplings of string insulator units**

First published as AS 2947.3—1995.
Revised and redesignated in part as AS 60120—2010.

COPYRIGHT

© Standards Australia

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher.

Published by Standards Australia GPO Box 476, Sydney, NSW 2001, Australia

ISBN 0 7337 9349 5

PREFACE

This Standard was prepared by the Australian members of the Joint Standards Australia/Standards New Zealand Committee EL-010, Overhead Lines, to partly supersede AS 2947.3—1995, *Insulators—Porcelain and glass for overhead power lines—Voltages greater than 1000 V a.c.—Couplings*. After consultation with stakeholders in both countries, Standards Australia and Standards New Zealand decided to develop this Standard as an Australian Standard rather than an Australian/New Zealand Standard.

The objective of this Standard is to specify dimensions for ball and socket couplings used in fittings for use on overhead power lines.

This Standard is identical with, and has been reproduced from, IEC 60120, Ed. 3.0 (1984), *Dimensions of ball and socket couplings of string insulator units*.

As this Standard is reproduced from an International Standard, the following applies:

- (a) Its number does not appear on each page of text and its identity is shown only on the cover and title page.
- (b) In the source text 'this Standard' should read 'this Australian Standard'.
- (c) A full point should be substituted for a comma when referring to a decimal marker.

CONTENTS

	<i>Page</i>
1 Scope	1
2 Object	1
3 Plan of the standard	1
4 Pin ball	1
5 Socket	2
6 Hook-on "GO" gauge	2
7 Lower part of the insulator	2
8 Locking device	2
9 Dimensions of the pin ball	3
10 Dimensions of the socket end	4
11 Dimensions of the hook-on "GO" gauge	5
12 Dimensions of twin-balled pins	7
13 Clearance between the pin ball and the socket end	8
14 Effectiveness of locking the pin ball	9
15 Dimensions of the hole for the split-pin	10
16 Dimensions of the hole for the W-clip	11
Annex A Sliding position and over-tilting position of the pin ball in the socket end	12
Annex B Recommended gauges	13

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-