AS 1236—1973

Australian Standard

SPLIT COTTER PINS (METRIC SERIES)

This is a free 6 page sample. Access the full version online.

The following scientific, industrial and governmental organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Associated Chambers of Manufactures of Australia

Australian Institute of Steel Construction

Australian and New Zealand Railways Conferences

Bureau of Steel Manufacturers of Australia

Department of Defence

Department of Supply

Electricity Supply Association of Australia

Fasteners Institute of Australia

Metal Trades Industry Association of Australia

Metropolitan Water Sewerage and Drainage Board

Petroleum Refinery Engineers Advisory Committee

Postmaster-General's Department

Society of Automotive Engineers—Australasia

The Institution of Production Engineers

Tractor Farm Machinery and Construction Equipment Association of Australia

University of Sydney

This standard, prepared by Committee ME/29, Threaded Fasteners, was approved on behalf of the Council of the Standards Association of Australia, on 19 January 1973.

Review of Australian Standards. *To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.*

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

This standard was issued in draft form for public review as DR 72033.

This is a free 6 page sample. Access the full version online.

AS 1236—1973

Australian Standard

SPLIT COTTER PINS (METRIC SERIES)

First published 1973

PUBLISHED BY STANDARDS AUSTRALIA
(STANDARDS ASSOCIATION OF AUSTRALIA)
1 THE CRESCENT, HOMEBUSH, NSW 2140

ISBN 0 7262 5281 6

This is a free 6 page sample. Access the full version online.

PREFACE

This standard was prepared by the Association's Committee on Threaded Fasteners, in order to provide information on a series of metric split cotter pins.

The preliminary draft was submitted by the Fasteners Institute of Australia, and this standard, along with other drafts and published standards is part of a programme intended to provide a rational range of standards for metric series fasteners and accessories.

The first Australian standard for split cotter pins (inch series) (AS B175—1963) contained an appendix covering details of ISO metric draft proposals for split cotter pins, defined in ISO Draft Recommendation 502 issued in 1962, which was subsequently published as ISO Recommendation R1234 in November 1971. ISO/R1234 incorporated several additions which Australia has supported including, particularly, the adoption of preferred series of diameters.

The range of standard sizes in this Australian standard includes a rational selection of those given in ISO/R1234, the range having been modified to suit Australian requirements.

The definition of the nominal length first adopted in AS B175—1963 as the length under the eye rather than the overall length is now accepted as Australian practice and has been retained.

Information relevant to the application of metric series split cotter pins is provided in Appendix A.

This is a free 6 page sample. Access the full version online.

CONTENTS

This is a free 6 page sample. Access the full version online.

STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard Specification

for

SPLIT COTTER PINS (METRIC SERIES)

1 SCOPE. This specification applies to ferrous and non-ferrous split cotter pins in the metric series, in diameters from 1 mm to 13 mm inclusive and lengths from 4 mm to 125 mm inclusive, suitable for general engineering purposes.

For the benefit of users, Appendix A sets out recommended combinations of split cotter pins with ISO metric bolts, screws and clevis pins. Associated hole sizes and tolerances are also given.

Recommended acceptance gauges and gauge parameters for all types of split cotter pins, except humpback split cotter pins, are given in Appendix B.

Similarly, Appendix C gives the requirements of humpback split cotter pins used in insulator and conductor fittings of overhead power lines which are suitable locking devices for pins or bolts specified in AS 1154, Part 2*.

2 MATERIALS.

2.1 Composition and Physical Properties. Steel split cotter pins shall be manufactured from low carbon steel (0.15 per cent carbon max.) in a ductile condition suitable for forming and final setting of the legs. The tensile strength should not exceed 540 MPa.

Brass split cotter pins shall be manufactured from brass with a copper content of not less than 61 per cent. The tensile strength should not exceed 540 MPa.

The material for stainless steel split cotter pins shall be subject to agreement between the purchaser and the supplier.

NOTE: 1 MPa = 1 N/mm^2.

2.2 Dimensions. The material shall be rolled or drawn to the required half-round section as defined in Fig. 1 and Table 1.

Variation from the specified section profile is acceptable provided that the material when bent through 180 degrees to simulate the closed legs of the split pin, is accepted by the GO and NOT GO gauges, as defined in Appendix B.

The section shall be free from ‘flash’ at the junction of flat and radius and from twists along its length.

* AS 1154, Insulator and Conductor Fittings for Overhead Power Lines—Part 2, Dimensions.

This is a free 6 page sample. Access the full version online.

AS 1236-1973 Split cotter pins (metric series)

This is a free 6 page sample. Access the full version online.

The remainder of this document is available for purchase online at

www.saiglobal.com/shop

SAI Global also carries a wide range of publications from a wide variety of Standards Publishers:

Click on the logos to search the database online.