AS 4084—2012

Australian Standard®

Steel storage racking

This Australian Standard® was prepared by Committee BD-062, Steel Storage Racking. It was approved on behalf of the Council of Standards Australia on 30 January 2012.
This Standard was published on 29 February 2012.

The following are represented on Committee BD-062:

- Australian Industry Group
- Australian Steel Institute
- Consult Australia
- Engineers Australia
- Griffith University
- The University of Sydney
- WorkSafe Victoria

This Standard was issued in draft form for comment as DR AS 4084.

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Standards may also be withdrawn.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®

Steel storage racking

Originated as AS 4084—1993.
Second edition 2012.

Published by SAI Global Limited under licence from Standards Australia Limited, GPO Box 476, Sydney, NSW 2001, Australia

ISBN 978 1 74342 043 0

PREFACE

This Standard was prepared by the Standards Australia Committee BD-062, Steel Storage Racking, to supersede AS 4084—1993, *Steel storage racking*.

The objective of this Standard is to provide designers of steel storage racking with specifications for hot-rolled and cold-formed steel structural members used for action carrying purposes.

The design provisions of the Standard are based on the limit states method and are intended to supplement AS 4100 and AS/NZS 4600.

This edition incorporates the following major changes to the previous edition:

(a) The Standard is in limit states format.

(b) The Standard provides for internal actions to be determined by linear, geometric nonlinear, and material and geometric nonlinear analyses.

(c) The Standard contains a comprehensive range of tests for determining the stiffness and strength of rack components and subassemblies.

Reference has been made to the European Racking Code (EN 15512) and the American Rack Manufacturers Institute Specification (RMI).

The term ‘normative’ is used in this Standard to define the application of the appendix to which it applies. A normative appendix is an integral part of a Standard.

CONTENTS

Page