

Australian Standard[®]

**Earth-moving machinery—Quickhitches
for excavators and backhoe loaders**



This Australian Standard® was prepared by Committee ME-063, Earth-moving Equipment. It was approved on behalf of the Council of Standards Australia on 24 January 2008. This Standard was published on 27 February 2008.

The following are represented on Committee ME-063:

- AUSTROAD
 - Australian Industry Group
 - Construction and Mining Equipment Industry Group
 - Department of Mines and Energy, Qld
 - Department of Primary Industries and Fisheries, Qld
 - Department of Primary Industries, Mine Safety, NSW
 - Motor Trades Association of Australia
 - Safety Institute of Australia
 - WorkCover New South Wales
-

This Standard was issued in draft form for comment as DR 06580.

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Standards may also be withdrawn.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[®]

**Earth-moving machinery—Quickhitches
for excavators and backhoe loaders**

First published as AS 4772—2008.

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 8558 1

PREFACE

This Standard was prepared by the Standards Australia Committee ME-063, Earth-moving Equipment.

The objective of this Standard is to provide all those involved in the earth-moving industry with requirements on the design and use of quickhitches to mount attachments onto excavator and rear arms of backhoe loaders.

CONTENTS

| | <i>Page</i> |
|--|-------------|
| SECTION 1 SCOPE AND GENERAL | |
| 1.1 SCOPE | 4 |
| 1.2 APPLICATION | 4 |
| 1.3 REFERENCED DOCUMENTS | 4 |
| 1.4 DEFINITIONS | 4 |
| 1.5 NEW DESIGNS OR INNOVATIONS | 5 |
| SECTION 2 GENERAL REQUIREMENTS FOR DESIGN AND MANUFACTURE | |
| 2.1 DESIGN AND MANUFACTURE | 6 |
| 2.2 INCORPORATED COMPONENTS AND CONTROLS..... | 7 |
| 2.3 TESTING | 7 |
| 2.4 MARKING | 7 |
| 2.5 INSPECTION | 8 |
| 2.6 REPAIR..... | 8 |
| SECTION 3 INSTALLATION, OPERATION AND MAINTENANCE INSTRUCTIONS | |
| 3.1 GENERAL | 9 |
| 3.2 QUICKHITCH MANUFACTURER'S INSTALLATION AND OPERATION INSTRUCTIONS | 9 |
| 3.3 MAINTENANCE AND SERVICE INSTRUCTIONS..... | 9 |
| SECTION 4 SAFE USE OF EARTH MOVING MACHINERY FITTED WITH A QUICKHITCH | 10 |

STANDARDS AUSTRALIA

Australian Standard

Earth-moving machinery—Quickhitches for excavators and backhoe loaders

SECTION 1 SCOPE AND GENERAL

1.1 SCOPE

This Standard specifies requirements for quickhitches used to mount attachments onto excavators and the rear arm of a backhoe loader.

1.2 APPLICATION

All quickhitches covered by this Standard are applicable to excavators and the rear arm of a backhoe loader.

1.3 REFERENCED DOCUMENTS

The documents below are referred to in this Standard.

AS

2549 Cranes (including hoists and winches)—Glossary of terms

AS/NZS

4360 Risk management

1.4 DEFINITIONS

For the purpose of this Standard, the definitions given in AS 2549 and those below apply.

1.4.1 Backhoe arm

The final component at the rear of the backhoe loader to which the quickhitch is attached.

1.4.2 Competent person

A person who has acquired through training, qualification or experience, or a combination of them, the knowledge and skills to carry out the required task.

1.4.3 Excavator arm

The final component of the excavator to which the quickhitch is attached.

1.4.4 Primary retention system

A system used to connect/disconnect attachments to the quickhitch.

1.4.5 Quickhitch

A device fitted to an excavator arm or a backhoe arm for the purpose of rapidly mounting/dismounting attachments.

1.4.6 Rated lift point capacity

The maximum load the quickhitch has been designed to lift.

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

AS 4772 : 2008 : EN PDF

-
- ⏪ Looking for additional Standards? Visit SAI Global Infostore
 - ⏪ Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-

Need to speak with a Customer Service Representative - Contact Us