

Australian Standard™

Wood processing machinery—Safety

**Part 3: Finishing machinery—Circular
sawing machines**

This Australian Standard was prepared by Committee SF-007, Guarding of Woodworking Machinery. It was approved on behalf of the Council of Standards Australia on 14 August 2001 and published on 9 November 2001.

The following interests are represented on Committee SF-007:

- Australian Chamber of Commerce and Industry
- Australian Industry Group
- Australian Woodworking Industry Suppliers Association
- Construction, Forestry, Mining and Energy Union
- Department for Administrative and Information Services South Australia
- Department of Infrastructure, Energy and Resources (Tasmania)
- Department of Labour New Zealand
- Department of Training and Industrial Relations, Qld
- Furnishing Industry Association of Australia
- Metal Trades Industry Association
- National Distribution Union New Zealand
- National Safety Council of Australia
- New Zealand Logging Industry Research Association
- Safety Institute of Australia
- Tasmanian Forest Industries Training Board
- Timber Trade Industrial Association
- Victorian Association of Forest Industries
- Victorian Workcover Authority
- WorkCover New South Wales
- WorkSafe Western Australia

Keeping Standards up-to-date

Standards are living documents which 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 Standards may also be withdrawn.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 which may have been published since the Standard was purchased.

Detailed information about Standards can be found by visiting the Standards Australia web site at www.standards.com.au and looking up the relevant Standard in the on-line catalogue.

Alternatively, the printed Catalogue provides information current at 1 January each year, and the monthly magazine, *The Australian Standard*, has a full listing of revisions and amendments published each month.

We also welcome suggestions for improvement in our Standards, and especially encourage readers to notify us immediately of any apparent inaccuracies or ambiguities. Contact us via email at mail@standards.com.au, or write to the Chief Executive, Standards Australia International Ltd, GPO Box 5420, Sydney, NSW 2001.

AS 1473.3—2001

Australian Standard™

Wood processing machinery—Safety

Part 3: Finishing machinery—Circular sawing machines

Originated as part of AS CZ10—1960.
Previous edition AS 1473—1991.
Revised and redesignated in part as AS 1473.3—2001.

COPYRIGHT

© Standards Australia International

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 International Ltd
GPO Box 5420, Sydney, NSW 2001, Australia

ISBN 0 7337 4114 2

PREFACE

This Standard was prepared by the Standards Australia Committee SF-007, Guarding of Woodworking Machinery as a revision, in part, of AS 1473—1991, *Guarding and safe use of woodworking machinery*.

The Standard is one of a series dealing with the safety of woodworking machinery, which has been developed following requests from regulatory authorities for a new edition of the Standard.

In common with many other Standards dealing with the safeguarding of machinery, the Committee agreed to base the series upon a number of drafts emanating from the European Community. This Standard is therefore based upon a number of drafts dealing with the various forms of circular saws which are available.

The Standard specifies the safety requirements which are unique to circular saws. Additional requirements which are common to all wood-processing finishing machines are given in AS 1473.2, *Wood processing machines—Safety, Part 2: Finishing machinery—Common requirements*. This Standard should be read in conjunction with AS 1473.2.

The term ‘normative’ has been 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

	<i>Page</i>
SECTION 1 SCOPE AND GENERAL	
1.1 SCOPE.....	5
1.2 OBJECTIVE.....	5
1.3 REFERENCED DOCUMENTS.....	5
1.4 DEFINITIONS.....	5
1.5 SAFE WORK PRACTICES.....	9
 SECTION 2 PARTICULAR REQUIREMENTS FOR CIRCULAR SAW BENCHES (WITH OR WITHOUT TRAVELLING TABLES) AND DIMENSION SAWS	
2.1 POSITION OF CONTROLS.....	10
2.2 RISK OF BREAK-UP DURING OPERATION.....	10
2.3 TOOL HOLDER AND TOOL DESIGN.....	10
2.4 DEVICES TO MINIMIZE THE POSSIBILITY OR THE EFFECT OF EJECTION .	12
2.5 WORKPIECE SUPPORTS AND GUIDES	15
2.6 EMISSION OF CHIPS, DUST AND GASES.....	23
2.7 ADDITIONAL SAFETY DEVICES.....	23
 SECTION 3 PARTICULAR REQUIREMENTS FOR SINGLE AND MULTI-BLADE RIP SAWING MACHINES INCORPORATING AUTOMATIC FEED WITH MANUAL LOADING OR UNLOADING	
3.1 POSITION OF CONTROLS.....	24
3.2 PROTECTION AGAINST MECHANICAL HAZARDS.....	24
3.3 WORKPIECE SUPPORTS AND GUIDES	25
3.4 PREVENTION OF ACCESS TO MOVING PARTS.....	25
3.5 SAFE WORKING PRACTICES.....	26
 SECTION 4 PARTICULAR REQUIREMENTS FOR HORIZONTAL BEAM SAWS WITH POWER DRIVEN SAW UNITS	
4.1 POSITION OF CONTROLS.....	27
4.2 STARTING.....	27
4.3 EMERGENCY STOPPING SEQUENCE ON HORIZONTAL BEAM SAW	27
4.4 SAW BLADE CHANGING.....	28
4.5 POWER OPERATED MOVEMENTS OF THE FENCE.....	29
4.6 PROTECTION AGAINST MECHANICAL HAZARDS.....	29
4.7 WORKPIECE SUPPORTS AND GUIDES	30
4.8 PREVENTION OF ACCESS TO MOVING PARTS.....	30
4.9 CLAMPING DEVICES	33
4.10 ADDITIONAL SAFETY APPLIANCES	33
4.11 WORKPIECE REMOVAL DEVICE.....	33
 SECTION 5 PARTICULAR REQUIREMENTS FOR SINGLE BLADE UPCUTTING CROSS-CUT SAWING MACHINES	
5.1 POSITION OF CONTROLS.....	34
5.2 PROTECTION AGAINST MECHANICAL HAZARDS.....	34
5.3 SAFE WORKING PRACTICE.....	40

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
-