AS 3585—1990

Australian Standard®

End fittings for flat-webbing slings

This Australian Standard was prepared by Committee ME/25, Lifting tackle. It was approved on behalf of the Council of Standards Australia on 15 February 1990 and published on 4 June 1990.

The following interests are represented on Committee ME/25:

ACT Administration

Australian Chamber of Manufactures

Confederation of Australian Industry

Department of Defence

Department of Industrial Affairs, Qld

Department of Industrial Relations and Employment, N.S.W.

Department of Industry, Technology and Commerce

Department of Labour, Vic.

Department of Labour and Industry, Tas.

Department of Occupational Health, Safety and Welfare, W.A.

Department of Transport and Communications

Electricity Supply Association of Australia

Metal Trades Industry Association of Australia

Work Health Authority, N.T.

This Standard was issued in draft form for comment as DR 86191.

Australian Standard®

End fittings for flat-webbing slings

First published as AS 3585—1990.

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

ISBN 0 7262 5250 6

PREFACE

This Standard was prepared by the Standards Australia Committee on Lifting Tackle.

It is one of a series of Standards for components that are used in lifting systems. Standards for other components are listed below.

AS	
1138	Thimbles for use with wire rope or fibre (natural or synthetic) rope
1353	Flat synthetic-webbing slings
1353.1	Part 1: Product specification
1353.2	Part 2: Care and use
1380	Fibre-rope slings (of natural or synthetic rope)
1438	Wire-coil flat slings
1504	Fibre rope—Three-strand, hawser laid
1666	Wire-rope slings
1752	Fibre rope—Eight-strand plaited
2076	Wire rope grips
2089	Sheave blocks (including ships' cargo blocks) of maximum lift 60 t
2317	Collared eyebolts
2318	Swivels for hoists
2319	Rigging screws and turnbuckles
2321	Short-link chain for lifting purposes (non-calibrated)
2740	Wedge-type sockets
2741	Shackles
2759	Steel wire rope—Application guide
2841	Galvanized steel wire strand
3569	Steel wire ropes
3775	Chain slings—Grade T
3776	Lifting components for Grade T chain slings
3777	Shank hooks and large-eye hooks—Maximum 25 t
B291	Lifting rings and links

CONTENTS

STANDARDS AUSTRALIA

Australian Standard
End fittings for flat-webbing slings

1 SCOPE. This Standard specifies requirements for metal end fittings that may be attached to the ends of flat synthetic webbing to form slings complying with AS 1353.1.

NOTE: Guidance on information that should be supplied with enquiries and orders is given in Appendix A.

2 REFERENCED DOCUMENTS. The following documents are referred to in this Standard:

AS
1065 Non-destructive testing—Ultrasonic testing of carbon and low alloy steel forgings
1171 Methods for magnetic particle testing of ferromagnetic products and components
1199 Sampling procedures and tables for inspection by attributes
1204 Structural steels—Ordinary weldable grades
1353 Flat synthetic-webbing slings
1353.1 Part 1: Product specification
1399 Guide to AS 1199—Sampling procedures and tables for inspection by attributes
1418 SAA Crane Code
1418.1 Part 1: General requirements
1444 Wrought alloy steels—Standard and hardenability (H) series
1627 Metal finishing—Preparation and pretreatment of surfaces
1627.0 Part 0: Method selection guide for preparation and pretreatment of steel surfaces
1627.6 Part 6: Phosphate treatment of iron and steel surfaces
1650 Hot-dipped galvanized coatings on ferrous articles
1789 Electroplated coatings—Zinc on iron or steel
1790 Electroplated coatings—Cadmium on iron or steel
1816 Method for Brinell hardness test
1816.1 Part 1: Testing of metals
2193 Methods of calibration and grading of force-measuring systems of testing machines
3777 Shank hooks and large-eye hooks—Maximum 25 t
3900 Quality systems—Guide to selection and use
3904 Quality systems—Guide to quality management and quality system elements

ISO
Guide 44 General rules for ISO and IEC international third-party certification schemes for products

ASTM
A 514/A 514M Specification for high-yield-strength, quenched and tempered alloy steel plate, suitable for welding

3 DEFINITIONS. For the purpose of this Standard, the definitions below apply.

3.1 Competent person—a person having practical and theoretical knowledge and relevant experience, such as will enable that person to detect and evaluate any defects and any weaknesses that may affect the intended performance of the equipment.

3.2 Self-coloured—a surface colour of closely adhering brown/blue oxides resulting from heat treatment and subsequent handling during manufacture.

3.3 Shall—indicates that a statement is mandatory.

3.4 Should—indicates a recommendation.

3.5 Statutory Authority—an authority with statutory powers to control the use of end fittings.

3.6 Working load.

3.6.1 *Working load limit (WLL)*—the maximum load that may be applied to the end fitting, in tension as intended, under general conditions of use.