

Australian Standard[®]

**ROPE HOISTS FOR DOMESTIC
PURPOSES**

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The following interests are represented on Committee ME/25:

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Australian Chamber of Commerce
Confederation of Australian Industry
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PURPOSES**

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PREFACE

This standard was prepared by the Association's Committee on Lifting Tackle in response to a request from the Consumers' Association of Victoria, which expressed concern regarding information labelling of rope hoists generally available to the consumer, particularly in respect of the validity of the safe working load marked on some makes of the product. The request was supported by a Statutory Authority, which advised the receipt of several complaints concerning rope hoists.

AS 2089, Sheave Blocks (Including Ships' Cargo Blocks) of Maximum Lift 60 t, covers hand-operated sheave blocks, but is intended to apply to sheave blocks used for industrial purposes and for use in ships' cargo-handling gear. Such sheave blocks are inherently more robust and heavier than the rope hoists covered by this standard.

This standard covers the complete rope hoist, comprising two sheave blocks and a rope, whereas AS 2089 covers only individual sheave blocks.

Rope efforts on ropes up to and including 8 mm diameter are shown in Table 3.1 and have been used as bases for calculation of typical safe working loads given in Table 3.2. The Australian Consumers Association carried out practical tests to determine the rope effort and the values in Table 3.1 are the values determined from those tests. Type tests are required to establish the actual safe working load of the hoist.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard

for

ROPE HOISTS FOR DOMESTIC PURPOSES

FOREWORD

Rope hoists are an aid to lifting and moving objects that are too heavy or awkward for a person to lift (or move) unaided.

Rope hoists covered by this standard are for use in domestic circumstances. They are not meant to be used in industrial environments as this would imply severe conditions and continuous use.

The designs are based on an economical premise, therefore adequate precautions and limitations are required to ensure they are safe to operate.

Recommendations on the use of such hoists are given in Appendix A.