AS 1890—1999

Australian Standard™

Thermally released links

This Australian Standard was prepared by Committee ME/62, Ventilation and Airconditioning. It was approved on behalf of the Council of Standards Australia on 12 February 1999 and published on 5 May 1999.

The following interests are represented on Committee ME/62:

Air Conditioning and Mechanical Contractors Association of Australia

Air Conditioning and Refrigeration Equipment Manufacturers of Australia

Australasian Fire Authorities Council

Australian Building Codes Board

Australian Chamber of Commerce and Industry

Australian Industry Group

Australian Institute of Building Surveyors

Australian Institute of Refrigeration Air Conditioning and Heating

Chartered Institution of Building Services Engineers

CSIRO Building, Construction and Engineering

Department of Contract and Management Services V.I.A.

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PREFACE

This Standard was prepared by Joint Standards Australia/Standards New Zealand Committee ME/62, Ventilation and Airconditioning, to supersede AS 1890—1976.

The objective of this document is to provide standardized construction, performance and test requirements for thermally released links for use by manufacturers, specifiers and users of these products.

Thermally released links are intended to be mounted so as to be primarily under tension. For applications where the thermally released link will be subject to an in-service tension force of less than 1.47 N (0.15 kgf), special certification as to suitability should be required from the manufacturer.

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1 SCOPE

This Standard specifies requirements for thermally released links for general fire protection services in buildings. Thermally released links are commonly used in fire dampers, fire shutters, smoke and heat ventilators and fire doors.

The Standard includes requirements for construction, testing, identification and marking of thermally released links, as well as special high temperature fatigue test procedures for uncoated and coated thermally released links, for use in high temperature industrial environments.

This Standard does not apply to links incorporated in sprinkler heads.

2 REFERENCED DOCUMENTS

The following documents are referred to in this Standard:

AS
1199 Sampling procedures and table for inspection by attributes

1399 Guide to AS 1199—Sampling procedures and tables for inspection by attributes

2362 Automatic fire detection and alarm systems—Methods of test for actuating devices

2362.1 Method 1: Heat sensitivity testing of Types A, B, C and D heat detectors

2362.13 Method 13: Corrosion test

2831 Thermometers—Solid system—Long and short—For precision use

AS/NZS
ISO 9000 Quality management and quality assurance standards

ISO 9000.1 Part 1: Guidelines for selection and use

ISO 9004 Quality management and quality system elements

ISO 9004.1 Part 1: Guidelines

SAA
HB18 Guidelines for third-party certification and accreditation

HB18.28 Guide 28—General rules for model third-party certification scheme for products

3 IDENTIFICATION

Thermally released links shall be identified by temperature rating, type of coating or plating, maximum working load and other factors, which may have a bearing on their intended use.

The identification, legibly marked, shall be in accordance with Clause 7.