

AS 2187

Part 1

Under Revision See DR 96478

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STANDARDS AUSTRALIA

AS 2187.1—1984
UDC 662.2:614.83

Australian Standard 2187.1—1984

SUPERSEDED BY:
AS 2187.1-1998

SAA EXPLOSIVES CODE Part 1—STORAGE AND LAND TRANSPORT



STANDARDS ASSOCIATION OF AUSTRALIA
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This Australian standard was prepared by Committee CE/5, Explosives. It was approved on behalf of the Council of the Standards Association of Australia on 17 April 1984 and published on 2 July 1984.

The following interests are represented on Committee CE/5:

Australasian Institute of Mining and Metallurgy
Australian Mining Industry Council
Australian Clay Products Association
Broken Hill Mining Managers Association
Chamber of Mines of Western Australia (Incorp)
Confederation of Australian Industry
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AUSTRALIAN STANDARD

**EXPLOSIVES—
STORAGE, TRANSPORT AND USE**

known as the

SAA EXPLOSIVES CODE

**Part 1
STORAGE AND LAND
TRANSPORT**

AS 2187.1—1984

First published (as part of AS CA23)	1949
Revised	1952
Amended and redated	1953 and 1955
Revised	1967
Revised and issued as AS 2187, Part 1	1979 ✓
Second edition	1984

**PUBLISHED BY THE STANDARDS ASSOCIATION OF AUSTRALIA
STANDARDS HOUSE, 80 ARTHUR ST, NORTH SYDNEY, N.S.W.**



ISBN 0 7262 3410 9

PREFACE

This edition of this standard was prepared by the Association's Committee on Explosives to supersede AS 2187, Part 1—1979, SAA Explosives Code—Storage and Land Transport of Explosives. Part 2 of AS 2187 deals with the use of explosives.

There are no significant changes in the technical content in this edition, but the safety distances between magazines have been updated following the latest developments. The requirements on the mounding and fencing of magazines has been incorporated, (taken from AS 2188, Magazines for the Storage of Explosives). Other minor amendments have been incorporated for clarity.

The committee believes that this standard will provide a guide to safe working for all those concerned with the storage and handling of explosives irrespective of the scale of operation.

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STANDARDS ASSOCIATION OF AUSTRALIA

Australian Standard
for
EXPLOSIVES—STORAGE, TRANSPORT AND USE

PART 1—STORAGE AND LAND TRANSPORT

SECTION 1. SCOPE AND GENERAL

1.1 SCOPE. This standard sets out requirements and precautions for the storage and land conveyance of factory-made explosives and certain explosives to be mixed at sites.

The standard does not apply to the following:

- (a) Underground storage of explosive in any mine.
- (b) Transportation of explosive by sea or air.
- (c) Manufacture, storage or conveyance of—
 - (i) safety ammunition, or sporting powder;
 - (ii) pyrotechnics including fireworks, rockets, fog signals or the like.

NOTE: Attention is drawn to the fact that Regulatory Authorities controlling various aspects of explosives handling and use may have regulations or may otherwise impose conditions which differ from the requirements of this standard. Recognition is given to the prerogative of such Regulatory Authorities to set such legal requirements and no further reference thereto is made in the body of this standard.

1.2 REFERENCED DOCUMENTS. The following standards are referred to in this standard:

- AS 1165 Traffic Hazard Warning Lamps
- AS 1216 Classification, Hazard Identification and Information Systems for Dangerous Goods
 - Part 1—Classification and Class Labels for Dangerous Goods
- AS 1530 Methods for Fire Tests on Building Materials and Structures
 - Part 1—Combustibility Test for Materials

- AS 1678 Emergency Procedure Guides—Transport
- AS 1725 Galvanized Rail-less Chainwire Security Fences and Gates
- AS 1829 Electrical Equipment for Explosive Atmospheres—Intrinsically Safe Apparatus—Type of Protection i
- AS 1850 Portable Fire Extinguishers—Classification, Rating and Fire Testing
- AS 1851 Maintenance of Fire Protection Equipment
 - Part 1—Portable Fire Extinguishers
- AS 2187 SAA Explosives Code
 - Part 2—Use of Explosives
- AS 2188 Magazines for the Storage of Explosives
- AS 2189 Explosives—Glossary of Terms
- AS 2210 Safety Footwear

1.3 DEFINITIONS. For the purpose of this standard, the definitions given in AS 2189 apply.

1.4 NEW MATERIALS, METHODS AND APPLICATIONS. This standard shall not be interpreted to prevent the use of materials, methods or applications not covered herein.

NOTE: Such materials, methods, applications or departures should be submitted to the appropriate Regulatory Authority for approval.

SECTION 2. GENERAL REQUIREMENTS

2.1 HANDLING. Operations which could lead to ignition of explosives, e.g. smoking and the use of naked flame, shall not be carried out within 6 m of where explosives are being handled.

2.2 THEFT OR LOSSES OF EXPLOSIVES. Unaccountable stock shortages or theft of explosives shall be reported immediately to the resident manager, the appropriate authority, or the nearest police station.

2.3 PACKAGING. Only such explosives as are in containers complying with the relevant packaging regulations shall be stored within any magazine.

2.4 TEMPORARY STORAGE. Where it is necessary under operating conditions to store explosives, e.g. in crusher stations for use in clearing crusher blockages, such storage shall be in approved day boxes.