

Australian Standard<sup>®</sup>

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**EARTH-MOVING MACHINERY—  
INSTRUMENTATION AND  
OPERATOR'S CONTROLS**

**Part 0—GENERAL INTRODUCTION  
AND LISTING**

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This Australian Standard was prepared by Committee ME/63, Earthmoving Equipment. It was approved on behalf of the Council of the Standards Association of Australia on 3 March 1988 and published on 17 June 1988.

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The following interests are represented on Committee ME/63:

Australian Mining Industry Council  
Bureau of Steel Manufacturers of Australia  
Construction Equipment Importers and Manufacturers of Australia  
Department of Administrative Services  
Department of Conservation, Forests and Lands, Vic.  
Department of Defence  
Department of Forestry, Qld.  
Department of Industrial Relations and Employment, N.S.W.  
Department of Labour, Vic.  
Department of Mines, Qld.  
Earth-movers and Road Contractors Association of Australia  
Forestry Commission of New South Wales  
Local Government Engineers Association of New South Wales  
Metal Trades Industry Association of Australia  
National Association of Australian State Road Authorities  
Rural Water Commission, Vic.  
Safety Institute of Australia  
Telecom Australia  
Tractor and Machinery Association of Australia  
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Suggestions for improvements to Australian Standards, addressed to the head office of Standards Australia, are welcomed. Notification of any inaccuracy or ambiguity found in an Australian Standard should be made without delay in order that the matter may be investigated and appropriate action taken.

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STANDARDS ASSOCIATION OF AUSTRALIA

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PART 0: GENERAL INTRODUCTION AND LISTING

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1 GENERAL INTRODUCTION

The SAA series of earth-moving machinery Standards (AS 2951 to AS 2958) consists of a number of ISO International Standards drawn up by ISO/TC 127, Earth-moving Machinery. These ISO Standards have been adopted in their entirety as Australian Standards, are identical with and have been reproduced from them and include all ISO amendments existing at the time of adoption.

It should be noted that since these ISO Standards are adopted as Australian Standards, all future amendments issued by ISO will have to be ratified by the Association's Committee before they form part of the series.

The information in the series is grouped under eight subject headings (sub-series) and each heading is associated with a generic AS number as follows:

AS	
2951	Nomenclature
2952	Basic shapes and dimensions
2953	Human dimensions
2954	Rated loads and volumetric ratings
2955	Tests and measurements
2956	Instrumentation and operator's controls
2957	Operation and maintenance
2958	Safety

Each sub-series (e.g. AS 2951, Nomenclature) consists of parts (individual Standards) and begins with Part O: General introduction and listing. For example, there are nine Standards in the AS 2951 sub-series.

Each Standard is preceded by a title page which includes a Foreword, where appropriate. This Foreword indicates the corresponding ISO Standard and, where relevant, the Australian Standards which correspond to the cross-referenced ISO Standards, and any known errors in the ISO Standards.

The Standards in this series are intended to apply to, but are not necessarily limited to, the following types of operator-controlled machines:

- (a) Wheeled loaders and dozers.
- (b) Crawler tractors, loaders and dozers.
- (c) Wheeled prime movers.
- (d) Self-propelled motor graders.
- (e) Wheeled off-highway, non-trailed hauling units with rear or side dump bodies.
- (f) Industrial type front-end loaders and dozers.
- (g) Four-wheel drive skid-steer machines.
- (h) Self-propelled road compactors.
- (i) Hydraulic excavators.
- (j) Power shovels.

The Standards are not intended to apply to the following types of equipment:

- (a) Machines having a power rating of less than 15 kW.
- (b) Draglines.
- (c) Belt loaders.
- (d) Drills.
- (e) Paving machines.
- (f) Side-boom cranes.