

AS 2952.1—1988/ISO 3541—1985

Australian Standard[®]

**EARTH-MOVING MACHINERY—
BASIC SHAPES AND
DIMENSIONS**

**Part 1—DIMENSIONS OF FUEL
FILLER OPENING**

(ISO Title: Earth-moving machinery—Dimensions of fuel filler opening)

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.

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
Water Board, Sydney

Review of Australian Standards. To keep abreast of progress in industry, Australian Standards are subject to periodic review and are kept up to date by the issue of amendments or new editions as necessary. It is important therefore that Standards users ensure that they are in possession of the latest edition, and any amendments thereto.

Full details of all Australian Standards and related publications will be found in the Standards Australia Catalogue of Publications; this information is supplemented each month by the magazine 'The Australian Standard', which subscribing members receive, and which gives details of new publications, new editions and amendments, and of withdrawn Standards.

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.

This Standard was issued in draft form for comment as DR 85176.

AS 2952.1—1988/ISO 3541—1985

Australian Standard[®]

**EARTH-MOVING MACHINERY—
BASIC SHAPES AND
DIMENSIONS**

**Part 1—DIMENSIONS OF FUEL
FILLER OPENING**

(ISO Title: Earth-moving machinery—Dimensions of fuel filler opening)

First published as AS 2952.1/ISO 3541—1988.

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

ISBN 0 7262 5035 X

CONTENTS

	<i>Page</i>
1 SCOPE AND FIELD OF APPLICATION	3
2 REFERENCE	3
3 TERMINOLOGY	3
4 TYPES AND SIZES	3
5 DIMENSIONS OF THREADED TYPE	4
6 DIMENSIONS OF BAYONET TYPE	5
7 ANCHORAGE OF CAP	6

FOREWORD

1. This Australian Standard corresponds with ISO 3541—1985, *Earth-moving machinery—Dimensions of fuel filler opening*.
2. Introduction to and complete listing of the SAA series of earth-moving machinery Standards (AS 2951 to AS 2958) is available on request.
3. For the purpose of this Australian Standard the words 'International Standard' should be replaced by 'Australian Standard'.
4. ISO Standard referred to in this Standard corresponds with the following Australian Standard:

ISO Standard	Australian Standard
ISO 6165	AS 2951.1

© Copyright — STANDARDS AUSTRALIA

Users of Standards are reminded that copyright subsists in all Standards Australia publications and software. Except where the Copyright Act allows and except where provided for below no publications or software produced by Standards Australia may be reproduced, stored in a retrieval system in any form or transmitted by any means without prior permission in writing from Standards Australia. Permission may be conditional on an appropriate royalty payment. Requests for permission and information on commercial software royalties should be directed to the head office of Standards Australia.

Standards Australia will permit up to 10 percent of the technical content pages of a Standard to be copied for use exclusively in-house by purchasers of the Standard without payment of a royalty or advice to Standards Australia.

Standards Australia will also permit the inclusion of its copyright material in computer software programs for no royalty payment provided such programs are used exclusively in-house by the creators of the programs.

Care should be taken to ensure that material used is from the current edition of the Standard and that it is updated whenever the Standard is amended or revised. The number and date of the Standard should therefore be clearly identified.

The use of material in print form or in computer software programs to be used commercially, with or without payment, or in commercial contracts is subject to the payment of a royalty. This policy may be varied by Standards Australia at any time.

Earth-moving machinery—Basic shapes and dimensions

Part 1—Dimensions of fuel filler opening

1 Scope and field of application

This International Standard lays down the types and dimensions of fuel filler openings and caps for earth-moving machinery, as specified in ISO 6165, to ensure interchangeability of these items.

NOTE—Manufacturers should decide the configuration of fuel tank filler openings, taking into consideration the following requirements:

- a) easy operation for fuelling;
- b) size of opening to allow the insertion of a filler nozzle;
- c) prevention of foreign materials entering the tank;
- d) application of drop-in strainer of size and design to ensure adequate fuel flow when filling;
- e) dipstick for measuring fuel level in lieu of a fuel level indicator.

2 Reference

ISO 6165, *Earth-moving machinery—Basic types—Vocabulary*.

3 Terminology

The terminology relating to the parts of the fuel filler opening is shown in figure 1.

NOTE—The illustration in figure 1 does not specify the configuration of the fuel filler opening.

4 Types and sizes

Types and nominal sizes of fuel filler openings are given in the table. The choice of the type and size of fuel filler opening shall be left to the manufacturer.

Table—Types and nominal sizes

Type	Dimensions in millimetres			
	Nominal size			
Threaded	—	50	75	100
Bayonet	40	60	80	100

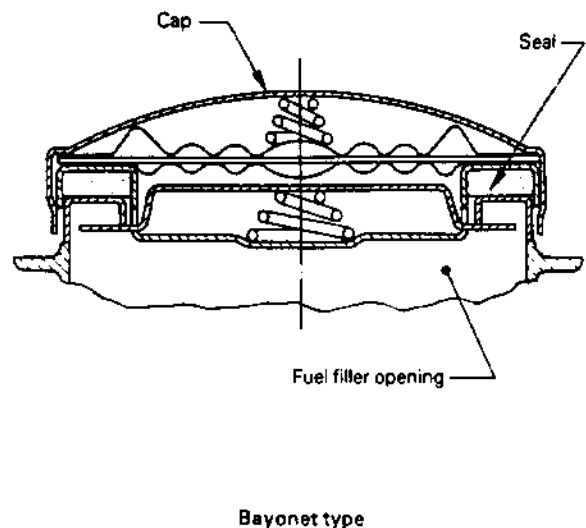
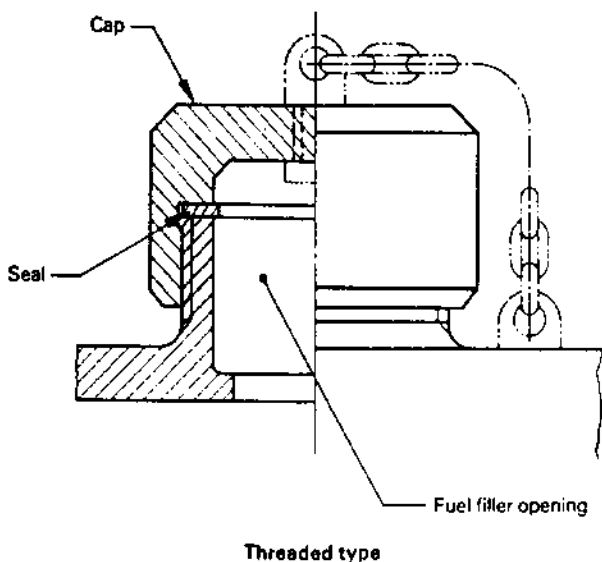


Figure 1—Terminology