



# **Fork-lift trucks—Hook-on type fork arms and fork arm carriages—Mounting dimensions**



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The following are represented on Committee ME-026:

- Australian Industrial Truck Association
  - Australian Industry Group
  - Construction and Mining Equipment Industry Group
  - Hire and Rental Industry Association of Australia
  - Safety Institute of Australia
  - WorkCover New South Wales
  - WorkSafe Victoria
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Australian Standard<sup>®</sup>

**Fork-lift trucks—Hook-on type fork arms  
and fork arm carriages—Mounting  
dimensions**

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## PREFACE

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks, to supersede AS 2359.11, *Powered industrial trucks; Part 11: Fork-lift trucks—Hook-on type fork arms and fork carriers—Mounting dimensions*.

The objective of this Standard is to provide designers and manufacturers of powered industrial trucks with dimensions for fork arms and carriages to permit interchangeability of fork arms and attachments.

This Standard is identical with, and has been reproduced from, ISO 2328:2011, *Fork-lift trucks—Hook-on type fork arms and fork arm carriages—Mounting dimensions*.

The fourth edition (ISO 2328:2011) cancels and replaces the third edition (ISO 2328:2007), which has been technically revised.

As this Standard is reproduced from an International Standard, the following applies:

- (a) In the source text ‘this International Standard’ should read ‘Australian Standard’.
- (b) A full point substitutes for a comma when referring to a decimal marker.

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References to International Standards should be replaced by references to Australian or Australian/New Zealand Standards, as follows:

| <i>Reference to International Standard</i>  | <i>Australian Standard</i>  |
|---|---|
| ISO   | AS  |
| 2331 Fork lift trucks—Hook-on type fork arms—Vocabulary   | 2359 Powered industrial trucks<br>2359.10 Part 10: Fork-lift trucks—Hook-on type fork arms—Vocabulary   |
| 3691 Industrial trucks—Safety requirements and verification   |   |
| 3691-1 Part 1: Self-propelled industrial trucks, other than driverless, variable-reach trucks and burden-carrier trucks | 2359.6 Part 6: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks (ISO 3691-1:2011, MOD) |

## AUSTRALIAN STANDARD

**Fork-lift trucks—Hook-on type fork arms and fork arm carriages—  
Mounting dimensions****1 Scope**

This International Standard specifies the dimensions of, and additional requirements for, fork carriers and hook-on type fork arms, to permit the interchangeability of these fork arms and/or other attachments, relative to the truck-rated capacity and fork arm type, on fork-lift trucks up to and including a rated capacity of 10 999 kg.

**2 Normative references**

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2331, *Fork lift trucks — Hook-on type fork arms — Vocabulary*

ISO 3691-1, *Industrial trucks — Safety requirements and verification — Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks*

**3 Terms and definitions**

For the purposes of this document, the terms and definitions given in ISO 2331 and ISO 3691-1 apply.

**4 Requirements****4.1 Dimensions**

The mounting dimensions of the fork arms and fork carrier for type A (short drop) and type B (long drop) fork arms (the position of the lower hook determining the type of fork arm) shall be in accordance with Figures 1, 2 and 3 and Tables 1 and 2. The fork arm removal/mounting slot on the lower fork carrier is optional and shall be in accordance with 4.3. Fork arm location slots to the dimensions specified in Table 2 shall be provided at a suitable spacing on the fork carrier. In order to locate attachments, one slot shall be situated on the top edge of the fork carrier centreline. However, when an offset lower slot is provided to avoid unintentional disengagement, then the lower slot shall be offset from the fork carrier centreline by dimension  $w$  (see Figure 1); this slot shall be 3 mm deeper than  $k_2$  (see Figure 3), to facilitate the attachment and fork arm mounting.

**4.2 Stops**

Stops shall be provided in order to prevent lateral disengagement of the fork arms from the extremities of the fork carrier. If these stops are not permanent, i.e. welded, then the instruction handbook shall contain warnings that the truck is not to be used if the stops are not correctly in place.

**4.3 Slot on the lower carriage**

If a fork arm removal/mounting slot is provided in the lower edge of the fork carrier, it shall be positioned as shown in Figure 3, that shown in the detailed view X–X being optional. If the positioning of the slots in the upper and lower fork carrier could enable the fork arm or attachment to become inadvertently disengaged from the carrier, then other means (e.g. mechanical) shall be provided to prevent this from occurring.

Where the exclusive means of preventing unintentional fork arm disengagement is by an offset lower slot, then the instruction handbook shall contain the following warning notice: