AS ISO 5053.2:2021
ISO 5053-2:2019

Australian STANDARD®

STANDARDS Australia

Industrial trucks — Vocabulary

Part 2: Fork arms and attachments



AS ISO 5053.2:2021

This Australian Standard® was prepared by ME-026, Industrial Trucks. It was approved on behalf of the Council of Standards Australia on 24 March 2021.

This Standard was published on 9 April 2021.

The following are represented on Committee ME-026:

Australian Forklift and Industrial Truck Association
Australian Industry Group
Australian Institute of Health and Safety
Better Regulation Division (Fair Trading, Safework NSW, Testsafe)
Construction and Mining Equipment Industry Group
Hire and Rental Industry Association of Australia
National Road Transport Association
Telescopic Handler Association of Australia
Victorian WorkCover Authority (WorkSafe Victoria)

This Standard was issued in draft form for comment as DR AS ISO 5053.2:2020.

Keeping Standards up-to-date

Ensure you have the latest versions of our publications and keep up-to-date about Amendments, Rulings, Withdrawals, and new projects by visiting:
www.standards.org.au

ISBN 978 1 76113 285 8

AS ISO 5053.2:2021
ISO 5053-2:2019

Industrial trucks — Vocabulary

Part 2: Fork arms and attachments

First published AS ISO 5053.2:2021.

COPYRIGHT

© ISO 2021 — All rights reserved
© Standards Australia Limited 2021

All rights are reserved. No part of this work may be reproduced or copied in any form or by any means, electronic or mechanical, including photocopying, without the written permission of the publisher, unless otherwise permitted under the Copyright Act 1968 (Cth).

Preface

This Standard was prepared by the Standards Australia Committee ME-026, Industrial Trucks.

The objective of this document is to establish only the vocabulary of fork arms and load handling attachments.

This document gives no safety requirements of fork arms and load handling attachments.

For the purpose of this document, the term attachment describes a device that is mounted to an industrial truck to allow an alternative way to use the lifting system.

NOTE This document does not give any proposals as to which attachment can be appropriate for which load.

This Standard is identical with, and has been reproduced from, ISO 5053-2:2019, *Industrial trucks — Vocabulary — Part 1: Fork arms and attachments.*

As this document has been reproduced from an International Standard, a full point substitutes for a comma when referring to a decimal marker.

Australian or Australian/New Zealand Standards that are identical adoptions of international normative references may be used interchangeably. Refer to the online catalogue for information on specific Standards.

The terms “normative” and “informative” are used in Standards to define the application of the appendices or annexes to which they apply. A “normative” appendix or annex is an integral part of a Standard, whereas an “informative” appendix or annex is only for information and guidance.

© Standards Australia Limited 2021

Contents

Preface ..... **ii**
Foreword ..... **iv**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
Annex A (informative) **List of equivalent terms in German, Chinese and Italian** **22**
Annex B (informative) **Types of load and their manipulation** **33**
Bibliography **49**

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 110, *Industrial trucks*, Subcommittee SC 1, *General terminology*.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

A list of all parts in the ISO 5053 series can be found on the ISO website.

NOTE In addition to terms used in English and French, two of the three official ISO languages, this International Standard gives the equivalent terms in German, Chinese and Italian in Annex A. These are published under the responsibility of the member bodies for Germany (DIN), China (SAC) and Italy (UNI). However, only the terms and definitions given in the official languages can be considered as ISO terms and definitions.

© Standards Australia Limited 2021

Australian Standard®

Industrial trucks — Vocabulary

Part 2: Fork arms and attachments

1 Scope

This document establishes only the vocabulary of fork arms and load handling attachments.

This document gives no safety requirements of fork arms and load handling attachments.

For the purpose of this document, the term attachment describes a device that is mounted to an industrial truck to allow an alternative way to use the lifting system.

NOTE This document does not give any proposals as to which attachment can be appropriate for which load.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at http://www.electropedia.org/

NOTE Due to the variance of the attachments and the on-going development of new combinations, it is not possible to illustrate all the different variations of attachments. Therefore, this document defines, shows and/or describes the typical variances.

3.1
fork arm
blade cantilevered from a shank which is provided with means of attachment (e.g. bolted; shaft-mounted; hook-mounted) to a fork carrier and usually two or more fork arms are mounted together to handle, for example, palletized loads

Note 1 to entry: See Figure 1.

Note 2 to entry: For equivalent terms in German, Chinese and Italian, see A.1.

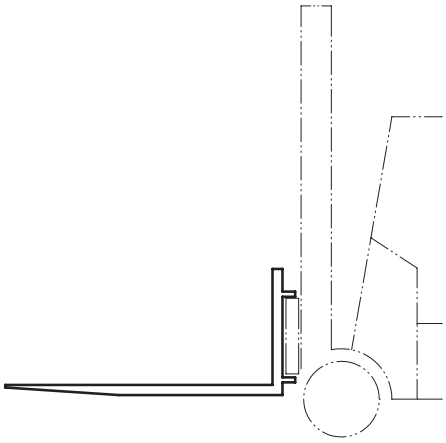


Figure 1 — Fork arm

© Standards Australia Limited 2021