

BS ISO 18063-1:2016



BSI Standards Publication

# **Rough-terrain trucks — Visibility — Test methods and their verification**

Part 1: Variable-reach trucks

**National foreword**

This British Standard is the UK implementation of ISO 18063-1:2016.

The UK participation in its preparation was entrusted to Technical Committee MHE/7, Industrial trucks.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Rough-terrain trucks — Visibility —  
Test methods and their verification —**

**Part 1:  
Variable-reach trucks**

*Chariots tout-terrain — Visibilité — Méthodes d'essai et leur  
vérification —*

*Partie 1: Chariots à portée variable*



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## 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](http://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](http://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 on 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

The committee responsible for this document is ISO/TC 110, *Industrial trucks*, Subcommittee SC 4, *Rough-terrain trucks*.

A list of all parts in the ISO 18063 series can be found on the ISO website.

## Introduction

This document is a type-C standard as stated in ISO 12100.

The machinery concerned and the extent to which hazards, hazardous situations or hazardous events are covered are indicated in the Scope of this document.

When requirements of this type-C standard are different from those which are stated in type-A or -B standards, the requirements of this type-C standard take precedence over the requirements of the other standards for machines that have been designed and built according to the requirements of this type-C standard.





# Rough-terrain trucks — Visibility — Test methods and their verification —

## Part 1: Variable-reach trucks

### 1 Scope

This document applies to rough-terrain variable-reach trucks (hereinafter referred to as 'trucks') that have a specific seated operator's position on the left-hand side of the boom or centre position (excluding operator position on the right side of the boom).

This document specifies a static test method for determining and evaluating the operator's visibility on a rectangular 1 m boundary around the rough-terrain variable-reach truck and on a 12 m radius visibility test circle. Performance requirements for visibility are specified in this document.

This document does not apply to

- trucks designed to handle freight containers (reach stackers),
- articulated telescopic wheel loaders,
- slewing trucks, or
- lorry mounted trucks.

NOTE The method used does not capture all of the aspects of the operator's visibility, but provides information to assist in determining the acceptability of visibility from the truck.

### 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 5353, *Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point*

ISO 12100, *Safety of machinery — General principles for design — Risk assessment and risk reduction*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 10896-1, ISO 5053-1 and ISO 12100 and the following apply.

#### 3.1

##### test surface

area of compacted earth or firm surface that forms the ground reference plane for the visibility measurements, with a gradient of  $(0 \pm 2) \%$