BS ISO 20474-6:2017

BSI Standards Publication

Earth-moving machinery — Safety

Part 6: Requirements for dumpers

Documents
Document Sharing Hub

Full document details: BS ISO 20474-6:2017

National foreword

This British Standard is the UK implementation of ISO 20474-6:2017.

The UK participation in its preparation was entrusted to Technical Committee B/513/1, Earth moving machinery (International).

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.

© The British Standards Institution 2017
Published by BSI Standards Limited 2017

ISBN 978 0 580 81825 7

ICS 53.100

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2017.

Amendments/corrigenda issued since publication

Date	Text affected

Documents
Document Sharing Hub

Full document details: BS ISO 20474-6:2017

INTERNATIONAL STANDARD

ISO 20474-6

Second edition
2017-07

Earth-moving machinery — Safety —

Part 6: Requirements for dumpers

Engins de terrassement — Sécurité —

Partie 6: Exigences applicables aux tombereaux

Reference number
ISO 20474-6:2017(E)

Documents
Document Sharing Hub

© ISO 2017

Full document details: BS ISO 20474-6:2017

COPYRIGHT PROTECTED DOCUMENT

© ISO 2017, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

© ISO 2017 – All rights reserved

Documents
Document Sharing Hub

Full document details: BS ISO 20474-6:2017

Contents

Page

Foreword ... **iv**
Introduction ... **v**
1 Scope ... **1**
2 Normative references ... **1**
3 Terms and definitions ... **1**
4 Safety requirements and protective measures ... **2**
4.1 General ... 2
4.2 Dump body ... 3
4.2.1 Control device ... 3
4.2.2 Body lowering ... 3
4.2.3 Body-down indicator ... 3
4.2.4 Body support device ... 3
4.2.5 Sticking load ... 3
4.3 Retarder ... 3
4.4 Roll-over protective structures (ROPS) ... 3
4.5 Falling object protective structures (FOPS) ... 3
4.5.1 General ... 3
4.5.2 FOPS level ... 4
4.5.3 Compact dumper ... 4
4.6 Operator station ... 4
4.6.1 Cab ... 4
4.6.2 Operator's seat ... 4
4.6.3 Compact dumpers with a standing operator position ... 4
4.7 Steering system ... 5
4.7.1 General ... 5
4.7.2 Steering controls for machines with swivelling seats ... 5
4.7.3 Controls for steering and driving of machines with turnable upper structure ... 5
5 Information for use ... **5**
Annex A (informative) **Illustrations** ... **6**
Bibliography ... **8**

© ISO 2017 – All rights reserved

Documents
Document Sharing Hub
Full document details: BS ISO 20474-6:2017

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 on 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 the following URL: www.iso. org/iso/foreword. html

This document was prepared by Technical Committee ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 2, *Safety, ergonomics and general requirements*.

This second edition cancels and replaces the first edition (ISO 20474-6:2008), which has been technically revised with the following changes:

— normative references have been updated;

— references to national and regional provisions in the withdrawn ISO/TS 20474-14 have been deleted;

— new safety requirements and protective measures have been added, including requirements for the operator station.

It is intended to be used in conjunction with ISO 20474-1.

A list of all parts in the ISO 20474 series, published under the general title, *Earth-moving machinery — Safety,* can be found on the ISO website.

© ISO 2017 – All rights reserved
Documents
Document Sharing Hub
Full document details: BS ISO 20474-6:2017