

Second edition
2008-06-15

AMENDMENT 1
2016-03-01

**Earth-moving machinery — Machine
safety labels — General principles**

AMENDMENT 1

*Engins de terrassement — Étiquetage de sécurité de la machine —
Principes généraux*

AMENDEMENT 1

STANDARDSISO.COM : Click to view the full PDF of ISO 9244:2008/Amd 1:2016



Reference number
ISO 9244:2008/Amd.1:2016(E)

© ISO 2016

STANDARDSISO.COM : Click to view the full PDF of ISO 9244:2008/Amd 1:2016



COPYRIGHT PROTECTED DOCUMENT

© ISO 2016, 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

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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: [Foreword - Supplementary information](#)

ISO 9244-1:2008/Amd. 1 was prepared by ISO/TC 127, *Earth-moving machinery*, Subcommittee SC 2, *Safety, ergonomics and general requirements*.

STANDARDSISO.COM : Click to view the full PDF of ISO 9244:2008/Amd 1:2016

Earth-moving machinery — Machine safety labels — General principles

AMENDMENT 1

Page 7, 4.7.3

Replace 4.7.3 and [Figure 5](#), including the figure title, with the following:

4.7.3 Communicating “do not” messages

4.7.3.1 Hazard avoidance pictorials are often used to communicate, in graphical form, one or more of the following types of “do not” messages:

- a specific action that should not be taken, because taking the action can result in a hazardous situation;
- a specific location that should be avoided, because being in the location can result in a hazardous situation;
- a specific activity that should be avoided, because engaging in the activity can result in a hazardous situation.

4.7.3.2 The “do not” messages are communicated graphically by means of a red diagonal cross placed over the pictorial for the action that should not be taken, the location that should be avoided, or the activity that should be avoided. The red diagonal cross is shown in [Figure 5](#). The red diagonal cross is the safety-related application of IEC 60417-6287, which has the general meaning of negation in accordance with IEC 80416-1.

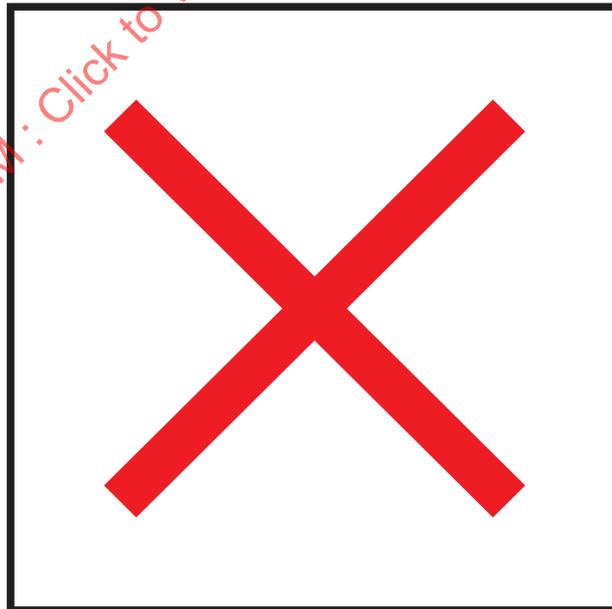


Figure 5 — Red diagonal cross

4.7.3.3 Sizing of the red diagonal cross depends on how it is used with a particular pictorial. It is important that the red diagonal cross is sufficiently large to be easily recognized, but care shall be taken to avoid obscuring any critical detail of the pictorial. The red diagonal cross may be placed over

the entire pictorial or over only the portion of the pictorial that represents the specific action, location, or activity to be avoided.

4.7.3.4 The red prohibition symbol (circle with diagonal bar; see also D.9.2) may be used to communicate a “do not” message, provided that the requirements of ISO 3864-1, ISO 3864-2, and ISO 3864-3 for prohibition safety signs are adhered to.

Page 8, 4.7.5

Replace 4.7.5 and [Figure 7](#), including the figure title, with the following:

4.7.5 Combined pictorials

In specific circumstances, a hazard description pictorial and a hazard avoidance pictorial may be combined in a single panel. An example is shown in [Figure 7](#).



Figure 7 — Combined pictorial in a single panel

Page 10, [Table 1](#)

Replace [Table 1](#), including the table title, with the following:

Table 1 — Colour regions: chromaticity coordinates and luminance factor of ordinary materials

Colour region		Corner points of colour region CIE Standard illuminant D65 CIE 2° standard colorimetric observer				Luminance factor β	
		1	2	3	4	Minimum	Maximum
Red	x	0,705	0,592	0,574	0,663	0,07	0,20
	y	0,295	0,291	0,351	0,337		
Orange	x	0,603	0,538	0,508	0,563	0,21	
	y	0,397	0,382	0,412	0,436		
Yellow	x	0,475	0,538	0,470	0,427	0,45	0,70
	y	0,525	0,462	0,424	0,472		
White	x	0,350	0,295	0,285	0,340	0,75	
	y	0,360	0,305	0,315	0,370		
Black	x	0,385	0,300	0,260	0,345		0,03
	y	0,355	0,270	0,310	0,295		

Page 11, 5.3.4

Revise 5.3.4 to read as follows:

5.3.4 The diagonal cross specified in 4.7.3 shall be red. See Annex D for more information.

Replace [Figure B.13](#) with the following:

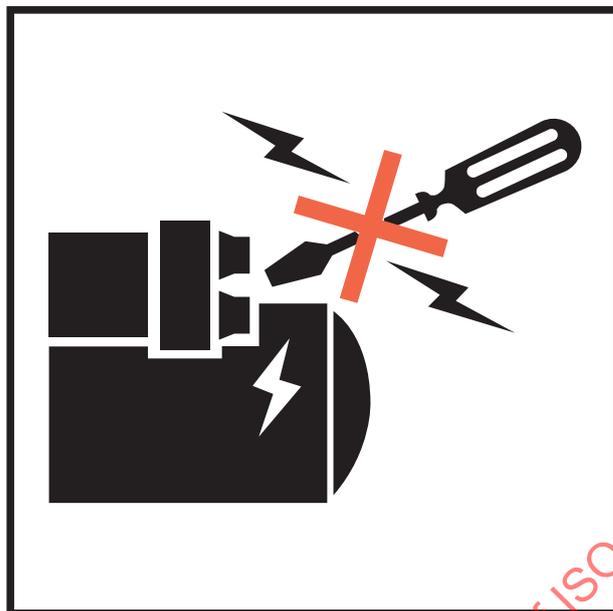


Figure B.13 — Do not jump start engine

Replace [Figure B.15](#) with the following:



Figure B.15 — Do not ride on fender

Replace [Figure B.16](#) with the following:



Figure B.16 — Do not reach into crushing area

Replace [Figure B.17](#) with the following:



Figure B.17 — Do not stand under bucket

Page 35, Annex B

Replace [Figure B.18](#), including the figure title, with the following:



Figure B.18 — Do not loosen cap when hot

Page 35, Annex B

Revise the title of B.10 to the following:

“Do not” messages

Replace [Figure B.19](#) with the following:

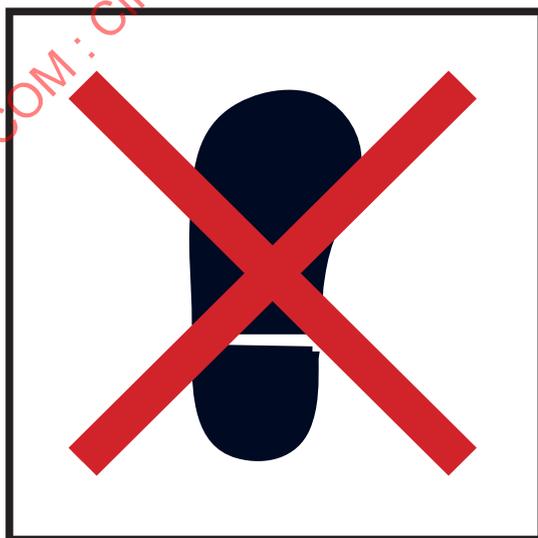


Figure B.19 — Do not step

Replace [Figure B.20](#) with the following:



Figure B.20 — No hands

Replace [Figure B.21](#) with the following:



Figure B.21 — No feet