
Agricultural machinery — Safety —

**Part 9:
Seed drills**

Matériel agricole — Sécurité —

Partie 9: Semoirs

iTeh Standards
(<https://standards.iteh.ai>)
Document Preview

[ISO 4254-9:2018](https://standards.iteh.ai/catalog/standards/iso/ec60ec92-7902-45fc-bc56-644a7b91aaec/iso-4254-9-2018)

<https://standards.iteh.ai/catalog/standards/iso/ec60ec92-7902-45fc-bc56-644a7b91aaec/iso-4254-9-2018>



iTeh Standards
(<https://standards.itih.ai>)
Document Preview

ISO 4254-9:2018

<https://standards.itih.ai/catalog/standards/iso/ec60ec92-7902-45fc-bc56-644a7b91aacc/iso-4254-9-2018>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

All rights reserved. Unless otherwise specified, or required in the context of its implementation, 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
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	2
3 Terms and definitions	2
4 Safety requirements, risk reduction and protective measures	3
4.1 General	3
4.2 Controls	3
4.3 Swivelling and folding components	5
4.4 Hoppers	5
4.4.1 Cover	5
4.4.2 Moving components	5
4.5 Loading	6
4.5.1 Operator access to loading locations without load	6
4.5.2 Operator access to loading location with load	6
4.5.3 Other boarding means	10
4.6 Single seed drills	10
4.7 Blower	10
4.8 Flow rate calibration system	10
4.9 Hitching and clearance zone	10
4.10 Noise reduction as a safety requirement	12
5 Verification of the safety requirements and protective/risk reduction measures	12
6 Information for use	12
6.1 Instruction handbook	12
6.2 Safety and instructional signs	13
Annex A (informative) List of significant hazards	14
Annex B (informative) Examples of seed drills	17
Bibliography	20

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 23, *Tractors and agricultural and forestry machinery*, Subcommittee SC 3, *Safety and comfort*.

This third edition cancels and replaces the second edition (ISO 4254-9:2008), which has been technically revised.

The main changes compared to the previous edition are as follows:

- revision of the 2008 edition under the Vienna Agreement (whole document);
- alignment with ISO 4254-1:2013 and ISO 4254-8:2018;
- addition of terms and definitions ([3.5](#), [3.6](#) and [3.7](#));
- modification of control requirements ([4.2.2](#));
- modification of hopper requirements ([4.4](#));
- modification of single seed drills requirements ([4.6](#));
- addition of noise reduction requirements ([4.10](#));
- alignment of the list of significant hazards ([Annex A](#)).

A list of all parts in the ISO 4254 series can be found on the ISO website.