International Standard

ISO 20383

Tractors and machinery for agriculture — Speed Identification Sign (SIS)

Tracteurs et matériels agricoles et forestiers — Signe d'identification de la vitesse (SIV)

Second edition
2025-10

Reference number
ISO 20383:2025(en)

© ISO 2025



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025
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
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 Normative references **1**
3 Terms and definitions **1**
4 Dimensions **2**
5 Materials, performance and test requirements **3**
5.1 Performance requirements 3
5.2 Adhesion 3
5.3 Colour measurement 3
6 Positioning **3**
6.1 Rear facing SIS 3
6.2 Forward facing SIS 4
6.3 Towed equipment combinations 4
7 Operating instructions for towing vehicles **4**
Bibliography **6**

© ISO 2025 – All rights reserved

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 document 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).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at www.iso.org/patents. ISO shall not be held responsible for identifying any or all such patent rights.

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 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 4, *Tractors*.

This second edition cancels and replaces the first edition (ISO 20383:2017), which has been technically revised.

The main changes are as follows.

— The term “forestry” was removed from the title.

— In the introduction, the term “implement of husbandry/agricultural equipment” has been replaced with the term “agricultural field equipment” as defined in ISO 12934.

— In the last sentence of Clause “1 Scope” the list of terms “self-propelled, semi-integral and towed equipment has been replaced with “agricultural field equipment” as defined in ISO 12934.

— In Clause 1, subclause 6.1.1 and subclause 6.1.3, the term “agricultural vehicle” has been replaced with “agricultural field equipment” as defined in ISO 12934.

— In 3.2, the definition of “implement of husbandry” has been replaced with the definition of “agricultural field equipment” according to ISO 12934.

— In Figure 1 of subclause 4.1, the depiction of the symmetrical tolerance has been corrected according to ISO 129-1.

— In 4.4, the explanation in parenthesis "(e.g. 45 to 50)" has been corrected to "(e.g. 40, 45, 50)".

— ISO 12934 has been added to the Bibiliography.

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.

© ISO 2025 – All rights reserved

Introduction

Agricultural field equipment operations include the transport of commodities and equipment from the field sites to farmsteads, storage facilities and gathering points for movement by mass transit systems. Equipment often moves between farmsteads and field sites that are not contiguous. Transport may involve moving on public roads (infrastructure) that permit faster ground speeds than that which is used in the fields or within the design considerations of the equipment. Design approaches have been identified to permit selected equipment to move at faster ground speeds in transport configurations. This document provides a means of identifying equipment that has been specifically designed for maximum ground speed, when operating or travelling on public roads. The means of identification is a Speed Identification Sign (SIS).

© ISO 2025 – All rights reserved

Tractors and machinery for agriculture — Speed Identification Sign (SIS)

1 Scope

This document specifies the dimensions, characteristics, and positioning of Speed Identification Signs (SIS). These signs indicate the maximum equipment ground speed, based on the ground speed design capability, for agricultural field equipment.

This document is applicable to agricultural field equipment moving on public roads.

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 2810, *Paints and varnishes — Natural weathering of coatings — Exposure and assessment*

ISO 29862:2024, *Self adhesive tapes — Determination of peel adhesion properties*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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 https://www.electropedia.org/

3.1
ground speed limitation
<towed equipment combination> specified ground speed of any individual machine which is lowest within a towed implement combination

3.2
agricultural field equipment
agricultural tractors, self-propelled machines, implements, interchangeable towed machinery, trailers, and combinations thereof designed primarily for agricultural field operations and occasional road travel

[SOURCE: ISO 12934:2021, 3.1.2, modified – “agricultural vehicle” has been omitted]

3.3
public road
<highway> entire width between the boundary lines of every road when any part thereof is subject to public regulation for purposes of vehicular travel

Note 1 to entry: This term includes highways (except limited access highways), county or municipal roads, and lanes.

© ISO 2025 – All rights reserved

3.4
specified ground speed
maximum ground speed for which the vehicle, towed or semi mounted equipment has been designed, in its original equipment configuration, giving due consideration to requirements on tire capacity, tracking, stability, braking and other related factors

Note 1 to entry: Specified ground speeds for self-propelled equipment shall be with the largest rolling diameter tires available as original equipment, and at the maximum rated engine speed in the top transmission gear or speed range as specified by the original equipment manufacturer.

3.5
Speed Identification Sign
SIS
sign or emblem, displayed on the equipment or vehicle, used to designate the maximum specified ground speed for which a vehicle or towed machine has been designed to operate

3.6
towed equipment combination
multiple towed machines behind a single towing machine

4 Dimensions

4.1 The SIS shall be circular in shape and 200 mm ± 2 mm in overall diameter as shown in Figure 1.

Dimensions in millimetres

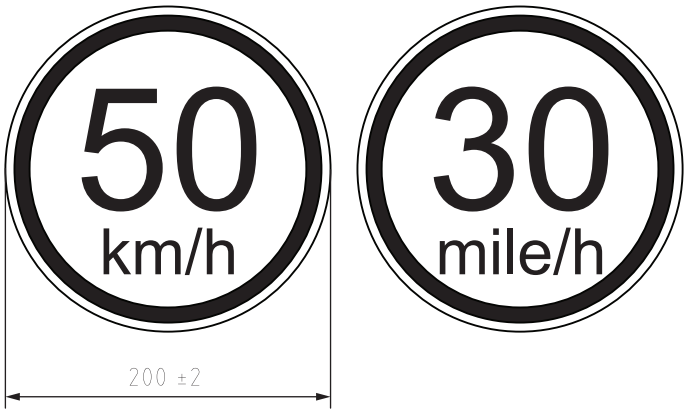

Figure 1 — Examples of Speed Identification Signs (SIS)

4.2 The black border shall be 10 mm wide, inset from the outside diameter by 5 mm (max).

4.3 The field or centre portion and the outside border shall be white.

4.4 The specified ground speed, rounded to the nearest increments of 5 (e.g. 40, 45, 50), shall be shown in black.

4.5 The text centred below the specified ground speed number shall be the units of measure for the speed. The units shall be either in km/h or mile/h as appropriate for the intended market.

4.6 The grouping of the number specified in 4.4 and the text specified in 4.5 shall be approximately centred with the field.

© ISO 2025 – All rights reserved