

Railway applications - Track - Switches and crossings  
for Vignole rails - Part 1: Definitions

## EESTI STANDARDI EESSÕNA

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English Version

## Railway applications - Track - Switches and crossings for Vignole rails - Part 1: Definitions

Applications ferroviaires - Voie - Appareils de voie  
pour rails Vignole - Partie 1 : Définitions

Bahnanwendungen - Oberbau - Weichen und  
Kreuzungen für Vignolschienen - Teil 1: Definitionen

This European Standard was approved by CEN on 2 January 2023.

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## European foreword

This document (EN 13232-1:2023) has been prepared by Technical Committee CEN/TC 256 “Railway applications”, the secretariat of which is held by DIN.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2024, and conflicting national standards shall be withdrawn at the latest by April 2024.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 13232-1:2003.

This series of standards “*Railway applications – Track – Switches and crossings for Vignole rails*” covers the design and quality of switches and crossings in flat bottomed rail. The list of Parts is as follows:

- *Part 1: Definitions*
- *Part 2: Requirements for geometric design*
- *Part 3: Requirements for wheel/rail interaction*
- *Part 4: Actuation, locking and detection*
- *Part 5: Switches*
- *Part 6: Fixed common and obtuse crossings*
- *Part 7: Crossings with moveable parts*
- *Part 8: Expansion devices*
- *Part 9: Layouts*

Part 1 contains terminology used throughout all parts of this series. Parts 2 to 4 contain basic design guides and are applicable to all switch and crossing assemblies. Parts 5 to 8 deal with particular types of equipment including their tolerances. These use Parts 1 to 4 as a basis. Part 9 defines the functional and geometric dimensions and tolerances for layout assembly.

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

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## 1 Scope

This document provides an accepted terminology for switch and crossing work. With the assistance of diagrams, the various components are given definitions, and these specific names are regarded as obligatory.

The terms and definitions cover the constituent parts and design geometry of switch and crossing work. Additional terminology of a more specific nature will be defined in the relevant part of the series.

The present definitions set out the terms most generally used for the geometrical form and the construction of switches and crossings.

This document applies to railways running on Vignole rails.

## 2 Normative references

There are no normative references in this document.

## 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 <http://www.electropedia.org/>

### 3.1 General definitions

#### 3.1.1

##### **customer**

operator or user of the equipment

Note 1 to entry: This can sometimes be the purchaser of the equipment on the user's behalf.

#### 3.1.2

##### **supplier**

body responsible for the use of this EN in response to the customer's requirements

#### 3.1.3

##### **contact area**

those parts of the rail ensuring the support and/or guidance, inside or outside, of a wheel

Note 1 to entry: see Figure 4.