



# SLOVENSKI STANDARD SIST EN 15016-2:2023

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## Železniške naprave - Tehnična dokumentacija - 2. del: Kosovnice

Railway applications - Technical documents - Part 2: Parts lists

Bahnanwendungen - Technische Dokumente - Teil 2: Stücklisten

Applications ferroviaires - Documents techniques - Partie 2 : Nomenclatures

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Ta slovenski standard je istoveten z: EN 15016-2:2023

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45.020	Železniška tehnika na splošno	Railway engineering in general

**SIST EN 15016-2:2023**

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NORME EUROPÉENNE  
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**EN 15016-2**

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Supersedes EN 15016-2:2004

English Version

**Railway applications - Technical documents - Part 2: Parts  
lists**

Applications ferroviaires - Documents techniques -  
Partie 2 : Nomenclatures

Bahnanwendungen - Technische Dokumente - Teil 2:  
Stücklisten

This European Standard was approved by CEN on 9 July 2023.

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EUROPEAN COMMITTEE FOR STANDARDIZATION  
COMITÉ EUROPÉEN DE NORMALISATION  
EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 15016-2:2023) 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of an identical text or by endorsement, at the latest by February 2024, and conflicting national standards shall be withdrawn at the latest by February 2024.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 15016-2:2004.

In comparison with the previous edition, the following technical modifications have been made:

- The references to standards, the clause “Terms and definitions” have been updated.
- The clause “Symbols and abbreviated terms” have been added.
- Microcopying has been deleted.
- In Table 3 “Entry rules” the case “Software” has been added.
- In Table 2 “Data fields” and Annex A references to the Data Model of Part 4 have been incorporated to show the relation between the data fields of the parts lists respectively the fields of the title blocks of technical documents and the data fields for data exchange.

This document is part of the standard series “Railway applications — Technical documents” which consists of the following parts:

- EN 15016-1: General principles;
- EN 15016-2: Parts lists;
- EN 15016-3: Handling of modifications of technical documents;
- EN 15016-4: Data exchange.

This document has been prepared under a Standardization Request given to CEN by the European Commission and the European Free Trade Association.

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.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.

## Introduction

In railway business, the customer very often requires, as part of a contract, technical documents in a certain form. In order to support co-operation and effective exchange of information between customers, suppliers and partners, it is necessary to have the document requirements precisely defined.

This document refers to EN, ISO or IEC standards dealing with parts lists. In cases where ISO or IEC standards are not sufficiently precise, this standard gives specific details. These additions to ISO and IEC standards facilitate the exploitation and the administration of the parts lists.

These additions have been drawn up to accommodate:

- the large variety of users;
- ease of transfer of documents;
- any specific series of documentation related to the railway material they define.

Special consideration has been given to those producing drawings by computer and their reproduction without loss of quality.

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## 1 Scope

This document specifies the preparation and reproduction of design parts.

This document defines the basic principles and structure of design parts lists.

This document is applicable to all design parts lists for railway applications.

## 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.

EN 15016-1, *Technical drawings - Railway applications - Part 1: General Principles*

EN 17343:2020, *Railway applications - General terms and definitions*

EN 61355-1, *Classification and designation of documents for plants, systems and equipment - Part 1: Rules and classification tables*

EN ISO 216:2007, *Writing paper and certain classes of printed matter - Trimmed sizes - A and B series, and indication of machine direction (ISO 216:2007)*

EN ISO 10209:2022, *Technical product documentation - Vocabulary - Terms relating to technical drawings, product definition and related documentation (ISO 10209:2022)*

ISO 639-1, *Codes for the representation of names of languages — Part 1: Alpha-2 code*

ISO 80000-1, *Quantities and units — Part 1: General* <https://standards.iteh.ai/catalog/standards/sist/c6fa76b3-faf4-433c-bcd7-d0952f3db9fb/sist-15016-2:2023>

ISO 4882, *Office machines and data processing equipment — Line spacings and character spacings*

ISO 16016, *Technical product documentation — Protection notices for restricting the use of documents and products*

### 3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 17343:2020, EN ISO 10209:2022 and the following 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

##### parts list

list of elements of an object

Note 1 to entry: The parts list is complete as regards to specific purpose and containing all the necessary documents and articles appertaining thereto, giving their name, item number, quantity and unit. Only those summaries are designated in the parts lists which relate to the quantity 1 of an object.

Note 2 to entry: The parts list is the main document to describe an object, independent of the hierarchy in which the object is situated in the product structure

Note 3 to entry: There is no difference between an assembly and detail parts list.

[SOURCE: EN ISO 10209:2022, 11.120, modified — Note 1, 2 and 3 to entry have been added.]

#### 3.2

##### design parts list

parts list created in the design phase where the final product is defined

Note 1 to entry: It defines the design and is neutral with respect to workshop.

### 4 Symbols and abbreviated terms

OEM original equipment manufacturer

### 5 Characteristic features of parts lists

#### 5.1 General

A parts list can be presented as follows:

- as a separate document without drawing;
- as a separate document with relation to a drawing (separate parts list);
- entered on a drawing.

Any sheet of parts lists shall bear an identification number. When more sheets together form an entity, it shall be clearly indicated on the first sheet which and how many sheets form the entity.

All pages of the parts list should correspond with the specimen shown in Annex B.

Requirements for copying and scanning are to be defined.



## 5.2 Base

Parts list as a separate document shall preferably be printed on white paper with a minimum weight of 70 g/m<sup>2</sup>. In case of entering parts lists on drawing sheets, see EN 15016-1.

## 5.3 Size

Separate parts lists shall be to A4 size in accordance with EN ISO 216:2007, series A.

## 5.4 Border

The border is shown in Annex B.

## 5.5 Centring marks

Reference marks for centring required for the adjustment of the position of the parts list on the setting plane of the photographic copying device, appear in the margin at the locations defined in Annex B.

## 5.6 Characteristics of lines and entries

### 5.6.1 Optical density

All lines and entries including those added during revision should have a contrast of at least 0,7 with respect to base according to EN ISO 6428.

### 5.6.2 Line wideness of separate parts lists

Printed parts lists shall fulfil the same requirements as parts lists on drawings for scanning suitability. For fulfilling these requirements, it is recommended to use line wideness according to Table 1.

**Table 1 — Line widenesses**

	Wideness (mm)
Borderlines	0,7
Main lines	0,35
Other lines	0,25

### 5.6.3 Characteristics of lettering

Separate parts lists shall be printed with lettering having height between 2,3 mm and 2,6 mm and a width of 2,5 mm to ensure scanning legibility. The line and character spacing shall be in accordance with ISO 4882.

Entries in parts list on drawings shall be in accordance with EN 15016-1.

## 6 Specification

### 6.1 Title block

A title block, intended for taking the necessary headings for identification and use, shall appear on all parts lists.

It is recommended to use the same title block format on all pages of the parts list. It is permissible to use a reduced version on the pages following page 1; this block shall as a minimum have the same identification zone as shown in Annex A.

The mandatory requirements of the title block are defined in Annex A.

### 6.2 Copyright and exploitation right

The designation shall be in accordance with ISO 16016. Exploitation rights shall be declared. The name of the legal owner or the creator of the parts list shall be written in the title block. Information concerning the copyright can be added outside the parts list frame (see Annex B and Annex C).

Information concerning exploitation right is given in the parts list field.

### 6.3 Intellectual property

The designation shall be in accordance with ISO 16016. Property rights should be positioned at an appropriate place outside the title block and/or in the parts list.

### 6.4 Columns and lines

The parts list consists of eight columns for the entry of various data describing the items required for analysis and interpretation of the drawing.

The columns are separated from each other by a continuous line of at least 0,35 mm wideness.

The layout of separate parts list is given in Annex B.

## 6.5 Data fields

### 6.5.1 General

The data fields of the parts lists are given in Table 2 (see also Annex B).

**Table 2 — Data fields**

Column	Column text	Character type	Text alignment	Language dependency	EN 15016-4 Table-Field no. <sup>a</sup>	
					For ITEM	For DOCUMENT
1	Position number	alphanumeric	right	No	C-7	-
2	Quantity, no. of pieces	alphanumeric	right	No	C-9	-
3	Unit	alphanumeric	centre	No	C-10	-
4	Title, designation, name	alphanumeric	left	Yes	D-12, D-13	F-24, F-25
5	Item identification, standard code designation, item type	alphanumeric	left (item type right)	No	D-2, D-21, D-11, D-23, D-6, Appendix D1-10	F-2, F-7, F-15
6	Material/technical data	alphanumeric	left	Yes	D-26, Appendix D1-7, D-27, D-25, Appendix D1-8, D-28, D-30, D-29	F-30
7	Mass/unit	numerical	centre	No	D-18/D-19	-
8	Remark	alphanumeric	left	Yes	Appendix C1-2	-

<sup>a</sup> The naming of the fields in EN 15016-4 differs partly from the naming in EN 15016-2, because of the different use (for data model). Instead of harmonizing the names, a reference is made to the corresponding fields in EN 15016-4. The reference consists of < Data Table > - < Field Number > or < Appendix Table > - < Field number > as defined in EN 15016-4:2023, Annex A.

### 6.5.2 Entries in the part list

First the product has to be listed as it is designated in the title block of the parts list without the position number. Drawings and other documents (e.g. check instructions, circuit diagrams, etc.) have to be entered immediately under these entries.

For appropriate drawings and other documents which are indicated immediately under the related item the item reference number remains empty.