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European foreword

This document (EN 15329:2019) 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of an identical text or by endorsement, at the latest by September 2019, and conflicting national standards shall be withdrawn at the latest by September 2019.

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 15329:2015.

This document has been prepared under a standardization request given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU 2008/57/EC.

For relationship with EU Directive 2008/57/EC, see informative Annex ZA, which is an integral part of this document.

Compared to the previous edition, the following changes have been made:

- a) the standard title has been modified;
- b) normative references have been updated;
- c) terms and definitions have been revised;
- d) requirements on materials have been revised;
- e) requirements on design have been revised;
- f) requirements on markings have been revised;
- g) requirements on type testing have been revised;
- h) normative Annexes have been revised;
- i) new informative Annex ZA has been added.

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This document applies to brake block holders and brake block keys included in brake rigging installed on railway vehicles.

Brake block holders and brake block keys made of non-ferrous materials are not within the scope of this document.

This document contains requirements for design and evaluation testing of conformity.

The requirements contained in this document apply to the brake block holders and brake block keys fitted on railway vehicles with brake blocks whose dimensions are in accordance with the requirements given in EN 16452.

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 10204, *Metallic products — Types of inspection documents*

EN 14478, *Railway applications — Braking — Generic vocabulary*

EN 15085 (all parts), *Railway applications — Welding of railway vehicles and components*

EN 16452, *Railway applications — Braking — Brake blocks*

EN 50125-1:2014, *Railway applications — Environmental conditions for equipment — Part 1: Rolling stock and on-board equipment*

EN 60721-3-5:1997, *Classification of environmental conditions — Part 3: Classification of groups of environmental parameters and their severities — Section 5: Ground vehicle installations (IEC 60721-3-5:1997)*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 14478, EN 16452 and the following apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

brake block key

securing element for the brake block in the brake block holder

3.2

brake block with low coefficient of friction

composite (organic or sinter) brake block material type L or LL as defined in EN 16452 or cast iron brake block material

3.3

brake block with high coefficient of friction

composite (organic or sinter) brake block material type K as defined in EN 16452