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BS EN 15329:2015



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Railway applications — Braking — Brake block holder and brake shoe key for railway vehicles

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English Version

Railway applications - Braking - Brake block holder and brake shoe key for railway vehicles

Applications ferroviaires - Freinage - Porte-semelles et clavette de semelle de frein pour véhicules ferroviaires

Bahnanwendungen - Bremsen - Bremsklotzschuh und Federriegel für Schienenfahrzeuge

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European foreword

This document (EN 15329:2015) 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of an identical text or by endorsement, at the latest by January 2016 and conflicting national standards shall be withdrawn at the latest by January 2016.

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Introduction

The requirements of this European Standard cannot be laid down in such detail as to ensure defect-free design and production without obstructing further development. It is therefore essential for each manufacturer himself to take all requisite steps to ensure on his part that the quality of design and production are state of the art.

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1 Scope

This European Standard applies to brake block holders and brake shoe keys installed on railway vehicles.

Brake block holders and brake shoe keys made of non-ferrous materials are not subject to this European Standard.

This European Standard contains requirements for design, evaluation testing of conformity and serial production monitoring.

The requirements contained in this European Standard apply to the brake block holders and brake shoe keys with which the railway vehicles of main-line railways, private railways (regional railways, company railways) are fitted.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 14478:2005: *Railway applications - Braking - Generic vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 14478:2005 and the following apply.

3.1

brake block

friction element which transfers the brake block application force onto the tread of the wheel or the friction surface of brake drum in the radial direction

3.2

brake block force

force with which the brake block is applied to contact with the friction surface

3.3

brake block holder

component for the secure mounting and positioning of the brake block and transmitting the brake block force

3.4

brake block key

securing element for the brake block in the brake block holder

3.5

brake block with low friction factor

brake blocks with a low friction factor of 0,10 to 0,15

Note 1 to entry: This definition generally corresponds to cast iron brake blocks and composite material type L or LL brake blocks.

3.6

brake block with high friction factor

brake block with a high friction factor of 0,25 to 0,30

Note 1 to entry: This definition generally corresponds to composite material type K brake blocks.