



NSAI
Standards

Irish Standard
I.S. EN 16019:2014

Railway applications - Automatic coupler - Performance requirements, specific interface geometry and test method

I.S. EN 16019:2014

Incorporating amendments/corrigenda/National Annexes issued since publication:

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Railway applications - Automatic coupler - Performance requirements, specific interface geometry and test method

Applications ferroviaires - Attelage automatique - Exigences concernant la performance, la géométrie des interfaces et les méthodes d'essai

Bahnanwendungen - Automatische Kupplung - Leistungsanforderungen, spezifische Schnittstellengeometrie und Prüfverfahren

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EN 16019:2014 (E)

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EN 16019:2014 (E)

Foreword

This document (EN 16019:2014) 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of an identical text or by endorsement, at the latest by September 2014, and conflicting national standards shall be withdrawn at the latest by September 2014.

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

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

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

According to the CEN-CENELEC Internal Regulations, the national standards organizations 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, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

1 Scope

This European Standard specifies the requirements for Type 10 automatic couplers for railway applications.

It defines the minimum interface requirements in order to allow automatic coupling (mechanical and pneumatic) of two Type 10 automatic couplers.

The interfaces of the end coupler specified in this European Standard:

- enable the rescue of a train set in an event of a breakdown by another trainset of different type, without the need to use an intermediate coupler adapter, accessories or component;
- are the reference interfaces to which the rescue coupler defined by EN 15020 will comply.

It does not define:

- interface requirements concerning electrical connections;
- clearance requirements around the coupler head;
- the height above top of rail for the coupler;
- the position of the pivot point of the coupler.

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 15020, *Railway applications - Rescue coupler - Performance requirements, specific interface geometry and test methods*

EN ISO 6892-1, *Metallic materials - Tensile testing - Part 1: Method of test at room temperature (ISO 6892-1)*

ISO 2768 (all parts), *General tolerances*

3 Terms and definitions

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

3.1

Type 10 automatic coupler

latch-type automatic coupler allowing the mechanical, pneumatic and in some cases electrical connection between two train units or train sets without manual assistance, also known as "Scharfenberg® system Type 10" automatic coupler¹⁾

3.2

coupler head

part of couplers, consisting of coupler head housing with gathering elements, coupler lock, uncoupling device, air pipe connections and an appropriate interface towards the rear part of the coupler

¹⁾ Scharfenberg® is a registered trademark of Voith Turbo Scharfenberg, Salzgitter, Germany. This information is given for the convenience of users of this European Standard and does not constitute an endorsement by CEN of the product bearing this trademark. Equivalent products may be used if they can be shown to lead to the same results.

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