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Järnvägar – Tankvagnar – Del 8: Värmeledningar

Railway applications – Tank wagons – Part 8: Heating connections



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Denna standard ersätter SS-EN 12561-8:2004, utgåva 1.

The European Standard EN 12561-8:2011 has the status of a Swedish Standard. This document contains the official version of EN 12561-8:2011.

This standard supersedes the Swedish Standard SS-EN 12561-8:2004, edition 1.

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Denna standard är framtagen av kommittén för Järnvägar, SIS/TK 254.

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EUROPEAN STANDARD

EN 12561-8

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2011

ICS 45.060.20

Supersedes EN 12561-8:2004

English Version

Railway applications - Tank wagons - Part 8: Heating connections

Applications ferroviaires - Wagons citernes - Partie 8 :
Raccordements de réchauffage

Bahnanwendungen - Kesselwagen - Teil 8: Heizanschlüsse

This European Standard was approved by CEN on 3 June 2011.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.



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

Management Centre: Avenue Marnix 17, B-1000 Brussels

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Foreword

This document (EN 12561-8:2011) 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 December 2011, and conflicting national standards shall be withdrawn at the latest by December 2011.

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 supersedes EN 12561-8:2004.

This European Standard Railway applications — Tank wagons consists of the following parts:

- *Part 1: Identification plates for tank wagons for the carriage of dangerous goods;*
- *Part 2: Bottom emptying devices for liquid products including vapour return;*
- *Part 3: Bottom filling and emptying devices for gases liquefied under pressure;*
- *Part 4: Devices for top filling and emptying of liquid products;*
- *Part 5: Devices for vapour return while filling or emptying of liquid products;*
- *Part 6: Manholes;*
- *Part 7: Platforms and ladders;*
- *Part 8: Heating connections.*

The changes made during this revision are editorial because of the change of the title of part 1 and the necessary updates of references.

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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

1 Scope

This European Standard specifies positioning of connections, connection dimensions and coupling tightening devices for connections of steam heating installations used on tank wagons.

This European Standard applies to new tank wagons built after the 1st January 2010.

2 Normative references

The following referenced documents are indispensable for the application 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 14564, *Tanks for transport of dangerous goods – Terminology*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN 14564 and the following apply.

- 3.1**
heating installation
device heating the tank contents and/or discharge equipment with steam
- 3.2**
steam trap
self contained valve which automatically drains the condensate from a steam containing enclosure while remaining tight to live steam, or if necessary, allowing steam to flow at a controlled or adjusted rate

4 Requirements

The extremities of the heating installation shall be fitted as follows:

- each inlet shall be fitted with a valve PN 16, and a connection according to Clause 6;
- each outlet shall be fitted with a valve PN 16 or a steam trap.

In order to drain condensate the outlet shall be situated at the lowest point of the steam heating installation. This outlet shall not be obstructed when the outlet valve is open. It shall be directed to the ground in such a way as not to present a danger to personnel or damage on brake parts or to other wagon equipment.

5 Positioning of connections

Except by agreement between customer and manufacturer, the connections shall be positioned entirely within the areas shown in Figure 1.