



BSI Standards Publication

Tanks for transport of dangerous goods - Service equipment for tanks - Manhole cover assembly

National foreword

This British Standard is the UK implementation of EN 13317:2018. It supersedes BS EN 13317:2002, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee AUE/18, Tanks for the transport of dangerous goods.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2018

Published by BSI Standards Limited 2018

ISBN 978 0 539 02150 9

ICS 23.020.20; 13.300; 23.020.10

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2018.

Amendments/corrigenda issued since publication

Date	Text affected
31 August 2018	Implementation of CEN correction notice 1 August 2018: Figure C.1 amended

English Version

Tanks for transport of dangerous goods - Service equipment for tanks - Manhole cover assembly

Citernes destinées au transport de matières
dangereuses - Équipements de service pour citernes -
Couvercle de trou d'homme

Tanks für die Beförderung gefährlicher Güter -
Bedienungsausrüstung von Tanks - Baugruppe Deckel
für Einsteigeöffnungen

This European Standard was approved by CEN on 23 April 2018.

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, 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 United Kingdom.



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

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

Contents

Page

European foreword.....	3
Introduction	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions.....	6
4 Functions	7
5 Design characteristics.....	7
5.1 Leak tightness	7
5.1.1 Pressure tightness	7
5.1.2 Drop test.....	7
5.2 Temperature range	7
5.3 Materials of construction	7
5.4 Dimensional characteristics	7
5.5 Electrical resistance	8
6 Tests.....	8
6.1 General.....	8
6.2 Production tests	8
6.2.1 General.....	8
6.2.2 Seat tightness test	8
6.3 Type tests.....	9
6.3.1 General.....	9
6.3.2 Seat tightness test	9
6.3.3 Drop test.....	9
7 Marking	10
8 Installation, operating and maintenance instructions.....	10
Annex A (normative) Drop test apparatus.....	11
Annex B (normative) Dimensions of mounting bolt holes.....	12
Annex C (normative) Dimensions for bolted assembly	13
Bibliography.....	14

European foreword

This document (EN 13317:2018) has been prepared by Technical Committee CEN/TC 296, “Tanks for the transport of dangerous goods”, the secretariat of which is held by AFNOR.

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 2019, and conflicting national standards shall be withdrawn at the latest by January 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 13317:2002+A1:2006.

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

The following significant changes were made in this edition of EN 13317 in comparison with the earlier one:

- a statement to be included in the installation instructions regarding the requirements for attachment to the shell;
- the keeping period for test results clarified;
- drop test rig, (Annex A), dimensions of sand boxes improved;
- Mounting dimensions, (Annex B), title change, contents amended and expanded into two annexes (Annex B and Annex C) for clarification.

This European Standard has been submitted for reference into the technical annexes of the ADR [1]. Therefore, in this context the standards listed in the normative references and covering basic requirements of the ADR not addressed within the present standard are normative only when the standards themselves are referred to in the technical annexes of the ADR.

This European Standard forms part of a coherent standards programme comprising the following standards:

- EN 13081, *Tanks for transport of dangerous goods - Service equipment for tanks - Vapour collection adaptor and coupler*;
- EN 13082, *Tanks for transport of dangerous goods - Service equipment for tanks - Vapour transfer valve*;
- EN 13083, *Tanks for transport of dangerous goods - Service equipment for tanks - Adaptor for bottom loading and unloading*;
- EN 13308, *Tanks for transport of dangerous goods - Service equipment for tanks - Non pressure balanced footvalve*;
- EN 13314, *Tanks for transport of dangerous goods - Service equipment for tanks - Fill hole cover*;
- EN 13315, *Tanks for transport of dangerous goods - Service equipment for tanks - Gravity discharge coupler*;
- EN 13316, *Tanks for transport of dangerous goods - Service equipment for tanks - Pressure balanced footvalve*;

- EN 13317, *Tanks for transport of dangerous goods - Service equipment for tanks - Manhole cover assembly*;
- EN 14595, *Tanks for transport of dangerous goods - Service equipment - Breather device*;
- EN 14596, *Tanks for transport of dangerous goods - Service equipment for tanks - Emergency pressure relief valve*;
- EN 16249, *Tanks for the transport of dangerous goods - Service equipment - Cap for the adaptor for bottom loading and unloading*;
- EN 16257, *Tanks for the transport of dangerous goods - Service equipment - Footvalve sizes other than 100 mm dia (nom)*;
- EN 16522, *Tanks for transport of dangerous goods - Service equipment for tanks - Flame arresters for breather devices*.

Annexes A, B and C are normative. This document includes a Bibliography.

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, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.