

DIN EN ISO 4126-2**DIN**

ICS 13.240

Supersedes
DIN EN ISO 4126-2:2003-05 and
DIN EN ISO 4126-2
Corrigendum 1:2009-07**Safety devices for protection against excessive pressure –
Part 2: Bursting disc safety devices (ISO 4126-2:2018);
English version EN ISO 4126-2:2019,
English translation of DIN EN ISO 4126-2:2019-08**

Sicherheitseinrichtungen gegen unzulässigen Überdruck –
Teil 2: Berstscheibeneinrichtungen (ISO 4126-2:2018);
Englische Fassung EN ISO 4126-2:2019,
Englische Übersetzung von DIN EN ISO 4126-2:2019-08

Dispositifs de sécurité pour protection contre les pressions excessives –
Partie 2: Dispositifs de sûreté à disque de rupture (ISO 4126-2:2018);
Version anglaise EN ISO 4126-2:2019,
Traduction anglaise de DIN EN ISO 4126-2:2019-08

Document comprises 29 pages

Translation by DIN-Sprachendienst.

In case of doubt, the German-language original shall be considered authoritative.

A comma is used as the decimal marker.

National foreword

This document (EN ISO 4126-2:2019) has been prepared by Technical Committee ISO/TC 185 “Safety devices for protection against excessive pressure” in collaboration with Technical Committee CEN/TC 69 “Industrial valves” (Secretariat: AFNOR, France).

The responsible German body involved in its preparation was *DIN-Normenausschuss Armaturen* (DIN Standards Committee Valves), Working Committee NA 003-01-10 AA “Safety devices for the prevention of excessive pressure”.

Amendments

This standard differs from DIN EN ISO 4126-2:2003-05 and DIN EN ISO 4126-2 Corrigendum 1:2009-07 as follows:

- a) inaccurate references have been removed;
- b) annexes on materials (Annex A and Annex B) have been removed;
- c) a new Annex A has been included.

Previous editions

DIN EN ISO 4126-2: 2003-05

DIN EN ISO 4126-2 Corrigendum 1: 2009-07

March 2019

ICS 13.240

Supersedes EN ISO 4126-2:2003

English Version

Safety devices for protection against excessive pressure —
Part 2: Bursting disc safety devices
(ISO 4126-2:2018)

Dispositifs de sécurité pour protection contre
les pressions excessives —
Partie 2: Dispositifs de sûreté à disque de rupture
(ISO 4126-2:2018)

Sicherheitseinrichtungen gegen
unzulässigen Überdruck —
Teil 2: Berstscheibeneinrichtungen
(ISO 4126-2:2018)

This European Standard was approved by CEN on 3 December 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.....	4
Annex ZA (informative) Relationship between this European Standard and the Essential Requirements of EU Directive 2014/68/EU (PED) aimed to be covered.....	5
Foreword	6
Introduction	7
1 Scope.....	8
2 Normative references.....	8
3 Terms and definitions	8
4 Materials.....	11
4.1 Selection of materials	11
4.2 Material specifications	11
4.3 Protection from corrosion.....	12
5 Types of bursting discs.....	12
5.1 Conventional domed bursting discs (Forward acting).....	12
5.2 Reverse domed bursting discs (Reverse acting).....	13
5.3 Flat bursting discs.....	13
5.4 Other types and designs.....	15
6 Bursting disc holders.....	15
6.1 Design.....	15
6.1.1 Pressure-containing capability.....	15
6.1.2 Other design requirements	15
6.2 Types.....	15
6.3 Connections.....	17
7 Back pressure supports	18
7.1 General.....	18
7.2 Opening back pressure supports.....	18
7.3 Non-opening back pressure supports.....	18
8 Temperature shields.....	18
9 Stiffening rings	18
10 Gaskets/seals.....	18
11 Assembly of bursting disc safety devices.....	18
11.1 General.....	18
11.2 Bursting disc safety devices with replaceable bursting disc assemblies.....	19
11.3 Bursting disc safety devices with non-replaceable bursting disc assemblies	19
12 Specified bursting pressure requirements.....	19
13 Inspection by the manufacturer	20
14 Test procedures.....	21
14.1 General.....	21