DIN EN 14460

ICS 13.230; 29.260.20

Supersedes
DIN EN 14460:2007-07

Explosion resistant equipment; English version EN 14460:2018, English translation of DIN EN 14460:2018-04

Explosionsfeste Geräte;
Englische Fassung EN 14460:2018,
Englische Übersetzung von DIN EN 14460:2018-04

Appareil résistant à l'explosion;
Version anglaise EN 14460:2018,
Traduction anglaise de DIN EN 14460:2018-04

Document comprises 38 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 14460:2018) has been prepared by Technical Committee CEN/TC 305 "Potentially explosive atmospheres — Explosion prevention and protection" (Secretariat: DIN, Germany).

The responsible German body involved in its preparation was *DIN-Normenausschuss Sicherheitstechnische Grundsätze* (DIN Standards Committee Safety Design Principles), Working Committee NA 095-02-01 AA "Explosion protection systems (except flame arresters)".

Amendments

This standard differs from DIN EN 14460:2007-07 as follows:

a) the Scope has been revised;

b) Clause 2 "Normative references" has been updated;

c) the term "bolted structure" has been added;

d) new subclause 4.2 "Design procedure" has been added;

e) new Clause 5 "Materials for pressure shock resistant design" has been added containing criteria for ductile and brittle materials;

f) in Clause 6 "Explosion pressure shock resistant design", subclauses 6.4 "Special requirements for bolted structures" and 6.5 "Documentation of design and testing of pressure shock resistant equipment" have been added;

g) Annex A "Calculation of design pressure for single vessels" has been updated and changed from "normative" to "informative";

h) Annex B (informative) "Explosion in pipes and interconnected vessels" has been added;

i) Annex C (normative) "Use of Finite Element Analysis (FEA) for the design of explosion pressure shock resistant equipment" has been added;

j) Annex D (informative) "Definition of permissible stresses" has been added;

k) Annex F (informative) "Significant changes between this European standard and EN 14460:2006" has been added;

l) Annex ZA has been updated;

m) the Bibliography has been updated;

n) the standard has been editorially revised.

Previous editions

DIN EN 14460: 2006-07, 2007-07

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 14460

January 2018

ICS 13.230; 29.260.20

Supersedes EN 14460:2006

English Version

Explosion resistant equipment

Appareil résistant à l'explosion

Explosionsfeste Geräte

This European Standard was approved by CEN on 17 December 2017.

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Contents

Page