

ICS 13.230
CCS J74



**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 14566.2-2011

Replacing GB/T 14567-1993

**Specification and type for bursting discs - Part 2: Reverse
domed bursting discs**

爆破片型式与参数 第2部分：反拱形爆破片

Issued on: December 30, 2011

Implemented on: June 1, 2012

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

GB/T 14566 "Disc types and parameters" is divided into four parts.

--- Part 1. Positive arch bursting discs;

--- Part 2. Anti-arched bursting discs;

--- Part 3. Disc-shaped plate;

--- Part 4. graphite rupture disc. This section GB/T Part of 214,566. This section drafted in accordance with GB/T 1.1-2009 given rules. This Part replaces GB/T 14567-1993 "anti-arched metal bursting disc type and parameters." This portion of the GB/T 14567-1993 compared, the main technical changes are as follows:

--- Standard name from the "anti-arched metal bursting disc type and parameter" to "rupture disc types and parameters - Part 2. Anti-arched explosion scrap";

--- Increased anti-arch "C" shaped ring groove with a "Y" off tooth structure type rupture disc types and parameters;

--- Increasing the inverted arch open seam bursting disc types and parameters;

--- Complement and complete some common rupture disc material applicable design burst pressure range. This part of the National boiler pressure vessel Standardization Technical Committee (SAC/TC262) and focal points. This part mainly drafted by: AVIC Chengdu Security Systems Co., Ltd., Shanghai Gas Industry Association, China Special Equipment Testing Institute, Shanghai Co., AQSIQ Huayi Group Construction Equipment Special Equipment Safety Supervision Bureau, Shenyang Aerospace Xinguang Security System Co., Ltd., Dalian Safety Equipment Co., Ltd., Shanghai Hua Li Safety Equipment Co., Ltd., Shenyang Institute of Special Equipment Inspection. The main drafters of this section. Chen Hongping, Xu Zaiping, Yang Changjun, Wei-Ming Zhou, Shou Binan, GAO Ji Xuan, Chen Zhaohui, Jin Zhiwei, Wen Dianjiang, Wu Quanlong, Song Xu fresh, Weiyong Biao. This part of the standard replaces the previous editions are.

--- GB/T 14567-1993. Disc types and parameters Part 2. Anti-arched Disc

1 Scope

GB/T 14566.2-2011 is the Chinese national standard on specification and type for bursting discs - part 2: reverse domed bursting discs, in the field of environment and health protection, safety. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 December 2011 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 June 2012. Classification: ICS 13.230, CCS J74. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

1.1 GB/T 14566 provisions of this part of the structure type of reverse domed bursting discs, nominal diameter, design burst pressure range of different materials Wai and other technical requirements.

1.2 section applies to pressure vessels, pressure piping, or other enclosed pressure equipment (hereinafter referred to as pressure equipment) to prevent overpressure or appeared Of the bursting disc safety devices used in vacuum.

1.3 The following section does not apply Disc.

--- May arise during the operation pressure surge, the reaction rate when arriving detonation pressure equipment;

--- Defense and military equipment with special requirements bursting disc safety device.

NOTE. Detonation. combustion speed material fast, reach 1000m/s or more, generating the usual blasting fundamentally different phenomenon, the phenomenon known as detonation.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document. Part 1

GB 567.1 bursting disc safety device. Basic requirements

GB 567.2 Part 2 bursting disc safety devices. Application, selection and installation

GB 567.3 bursting disc safety devices Part 3. Classification and dimensions Section 4

GB 567.4 bursting disc safety device. type test

3.1 General requirements

3.1.1 Anti-arch rupture disc structure is different, generally divided into an inverted arch type knife rupture discs, bursting discs inverted arch with Groove, inverted arch crocodile Toothed bursting discs, bursting disc type inverted arch off and slotted inverted arch type blasting sheet 5 kinds of patterns. Safety requirements and type testing

3.1.2 Anti-arched bursting discs shall comply with the provisions of GB 567.1 ~ 567.4.

3.2 Anti-arch knives Rupture Disc

3.2.1 Different materials inverted arch type knife rupture disc at 20 °C design burst pressure range specified in Table 1, structure type shown in Figure 1.