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

**中华人民共和国国家标准**

**GB 567.3-2012**

**Replace GB/T 12353-1999, GB/T 16181-1996**

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**Bursting disc safety devices-  
Part 3: Classification and mounting dimensions**

**爆破片安全装置**

**第 3 部分：分类及安装尺寸**

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China**

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## Foreword

The annex A, annex B and annex C in this part are recommendatory, the rest are compulsory.

GB 567 *Bursting Disc Safety Devices* is divided into four parts:

- Bursting disc safety devices—Part 1: Basic requirement;
- Bursting disc safety devices—Part 2: Application, selection and installation;
- Bursting disc safety devices—Part 3: Classification and mounting dimensions;
- Bursting disc safety devices—Part 4: Type test.

This part is the third part of GB 567.

This part is drafted based on the rules given in GB/T 1.1-2009.

This part replaces GB/T 12353-1999 *Classification and mounting dimensions for domed metal bursting disc devices* and GB/T 16181-1996 *Bursting disc devices-Type and outline dimensions for holders*. Comparing to the GB/T 12353-1999 and GB/T 16181-1996, the main technical changes of this part are as follows:

- The name of standard is changed from the “Classification and mounting dimensions for domed metal bursting disc devices” and “Bursting disc devices-Type and outline dimensions for holders” into “The third part of Bursting Disc Safety Devices·classification and installation dimension”.
- The applicable range for bursting pressure of bursting disc in this part has been expanded from 0.01 MPa~35 MPa to 0.001 MPa~500 MPa;
- This part adds a chapter for terms and definitions.
- This part adds the plate-type and graphite-type bursting disc;
- This part amends and supplements the regulations for classifications, types and codenames of holders, changes “the outline dimensions for holders” into “the installation dimensions for holders”;
- This parts supplements annex A “classifications, types and codenames of bursting disc”, annex B “classifications, types and codenames of holders” and annex C “the installation dimensions of bursting disc safety devices”.

Please pay attention to that some of contents in this document may concern patent, the issue agency of this document doesn't assume the responsibility of recognition of these

patents.

This part is proposed and under the jurisdiction of China Standardization Committee on Boilers and Pressure Vessels (SAC/TC 262)

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Previous versions that this standard replaces are as follows:

--- GB/T 12353-1999;

--- GB/T 16181-1996.

# Bursting disc safety devices-

## Part 3: Classification and mounting dimensions

### 1 Scope

1.1 This part of GB 567 regulates the technical requirements on classifications, types, codenames, marking methods and installation dimensions etc. of bursting disc safety devices.

1.2 This part is applicable for the following bursting disc safety devices:

---- This part is applicable for the bursting disc safety devices used by pressure vessel, pressure piping or other sealed pressure-bearing equipment (hereinafter referred to as pressure-bearing equipment) to prevent overpressure or the appearance of excessive vacuum.

---- This part is applicable for the bursting disc safety devices which bursting pressure is not higher than 500 MPa and not lower than 0.001 MPa.

1.3 This part is applicable for the following bursting disc safety devices:

---- The pressure-bearing equipment which it may appear pressure explosion, and reach the detonation reaction velocity during the operation process.

---- The bursting disc safety devices used in national defense military equipment which have special requirements.

Note: detonation: the substances' burning velocity is extremely fast, when the velocity reaches more than 1 000 m/s, it will produce the blast phenomenon which is fundamentally different from the common blast, this phenomenon is called detonation.

### 2 Normative references

Following documents are indispensable for application of this document. For the dated documents so quoted, only dated versions apply to this document. For the undated documents so quoted, the latest versions (including all modification sheets) apply to this document.

GB 567.1-2012 Bursting disc safety devices-Part 1: Basic requirement

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