ICS 13.310
CCS A91

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 12662-2008

Disruptor

爆炸物解体器

Issued on: September 24, 2008 **Implemented on: August 1, 2009**

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

Table of Contents

Foreword

All the technical contents of this standard is mandatory. Please note that some of the content of this standard may involve patents. The standard release mechanism should not bear the responsibility to identify these patents. This standard replaces GB 12662-1990 "Explosive Destruction technical conditions." This standard compared with GB 12662-1990,

changes in content are.

--- Standard name changed to "disintegration explosive devices";

--- Terms and definitions made adjustments and additions;

--- Increased recoilless type explosive disintegration device and classify the product;

--- Increase the product's composition, labeling and weight requirements;

--- Removed the safe range test site requirements;

--- To modify the propellant canister and igniter (1990 edition standard electrical point tinderbox and an electrical ignition device) requirements;

--- Modify the recoil movement of a predetermined range;

--- No longer modify provisions of the design safety factor and pressure test methods;

--- Modify the inspection rules. The standard proposed by the People's Republic of China Ministry of Public Security. This standard by the National Security Alarm System Standardization Technical Committee (SAC/TC100) centralized. This standard was drafted. Jilin Jiangbei Machinery Manufacturing Co., Ltd., Beijing Sino-Thai Technology Development Co., Ltd. Beijing Branch Jin Yian Trade Co., Ltd., the National Security Alarm System Standardization Technical Committee. The main drafters of this standard. Li Yu-Bin, Wei Bo Xiang, Tianxin Lin, Han Bingbing, Liu Gang, Zhou Qun, Wang Chen Liang, Zhao Xiaoli. This standard replaces the standards previously issued as follows:

--- GB 12662-1990. Disintegration explosive device

1 Scope

GB 12662-2008 is the Chinese national standard on disruptor, in the field of environment and health protection, safety. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 24 September 2008 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 August 2009. Classification: ICS 13.310, CCS A91. 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.

This standard specifies the explosive disintegration of the composition, classification, marking, requirements, test methods, inspection rules, marking, packaging, transportation and storage Memory and so on. This standard applies to explosive disintegration of the

design, production and testing.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 190 packaging and marking of dangerous goods

GB/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780.1997, MOD)

3 Terms and Definitions

The following terms and definitions apply to this standard.

3.1 One kind of energy at work, using the internal pressure of the propellant deflagration which emits high velocity water or special equipment for the disintegration of suspected explosives It means.

3.2 When the explosive disintegration of working, while the tubular member emits high velocity water or using special equipment propellant combustion cylinder action.

3.3 By the housing, the first ignition and propellant, etc., to produce pyrotechnic combustion temperature and high pressure gas can be provided under the current action.

3.4 Able to transmit electric igniter power supply cartridge and test the ignition circuit is off state of the electronic device.

3.5 Utensils made of different materials according to the disintegration of the different needs of suspected explosives, designed to be fired out of the explosive disintegration General. Consisting of 4 products, classification and marking

4.1 Composition Mainly by explosive disintegration launchers, cartridges, igniter and bracket, ignition wires and other component parts.

4.2 Classification Disintegration explosive device in the following two ways to partition type.

a) After the press can produce recoil to work can be divided into.

--- Recoilless type.

b) according to the transmitter tube launch pore size can be divided into.

--- Small-caliber type (aperture <=20mm);

--- The caliber type (20mm < aperture <=30mm);

--- Large Diameter Type (pore diameter > 30mm).

5.1 General Requirements

5.1.1 materials, components and pyrotechnics All metal and nonmetal materials, including between flammable, explosive, heat and other substances as well as their contact with components, raw materials, technology Shall be compatible between chemical substances, under the provisions of the storage period at ambient storage conditions, it should not occur can lead to product reliability and safety You can reduce the risk.

5.1.2 Appearance and size

5.1.2.1 Exterior surfaces should be smooth, have anti-corrosion measures; there should be no burrs, scratches and deformation; tags should be clear and complete.

5.1.2.2 Structure and parts specifications should meet the requirements of product design.

5.1.3 Weight The total weight of the explosive disintegration of the vessel and the transmitter holder shall meet the following requirements.

--- Small caliber type. no more than 8kg;

--- Medium caliber type. no more than 12kg;

--- Large Diameter Type. no more than 20kg.

5.2 igniter, ignition wires and emission performance cartridge

5.2.1.1 should be not less than the output voltage DC6.0V.

5.2.1.2 series 15Omega resistor power supply, the output current should not be less than 400mA.

5.2.2 Ignition wire

5.2.2.1 wire length should be less than 80m.

5.2.2.2 conductor path resistance should be less than 10Omega.

5.2.3 Propellant cartridge

5.2.3.1 electric igniter resistance should be 2.5Omega ~ 4.5Omega.

5.2.3.2 Safety current is 50mA, should ensure energized 5min misfire.

5.2.3.3 firing current of 400mA, should ensure reliable ignition when energized.

5.3 Security Explosive disintegration is at

1.5 times the dose of a test launch cartridges do safety trials, the transmitter does not allow cracks and parts Deformation.