

ICS 73.100.01
CCS D 90



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

GB 25517.1-2010

Mining machinery -- Safety signs -- Part 1: General principles

矿山机械 安全标志 第1部分：通则

(English Translation)

Issued on: December 1, 2010

Implemented on: October 1, 2011

Issued by: Standardization Administration of China

Table of Contents

Introduction

1 Scope

2 Normative references

3 Role of safety signs and general requirements

4 In the form of safety signs

5 Symbol District

6 Illustrates the region

Text region 5

8 Color safety signs

9 7 Dimensions of safety signs

10 Safety signs production

Foreword

This part of Chapter 4, Chapter 5, Chapter 6, Chapter 7, Chapter 8 is mandatory, the rest are recommended.

GB 25517 "Mining Machinery safety signs" is divided into two parts.

--- Part 1. General

--- Part 2. Hazard symbol icon this section is GB 25517 "Mining Machinery safety signs," Part 1.

This part is proposed by China Machinery Industry Federation.

This part of the National Mining Machinery Standardization Technical Committee (SAC/TC88) centralized.

This section is drafted. Luoyang Mining Machinery Engineering Design Institute Co., Ltd., CITIC Heavy Machinery Co., Ltd., Zhejiang Mining Machinery Co., Ltd., Shanghai Road and Bridge Construction Machinery Co., Ltd., Chongqing Taifeng Mining Machinery Co., Ltd., Jinan Heavy Industries Co. Shares the company.

1 Scope

This section outlines the role of GB 25517 of mining machinery safety signs, provides mechanical hazards of mining machinery products that might arise Use the harm principle should be stated in safety signs, basic form, sign content composition, color, size and

production.

This section applies to GB/T 7679 provisions solid mineral mining and sorting processing equipment involved in safety signs.

2 Normative references

The following documents contain provisions which, through reference in this section GB 25517, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 7679 (all parts) Mining machinery terminology GB 18209.2 Safety of machinery - Indication, marking and actuation - Part 2. Requirements for marking (GB 18209.2-2000, idt IEC 61310-2.1995) GB 25517.2 mining machinery safety signs - Part 2. Hazard symbol icon

3 Role of safety signs and general requirements

3.1

Reduce the risk by design principles.

Security throughout the machinery and equipment design, manufacture, operation, instructions and inspection process. Without lowering product features case, by the following measures to sufficiently reduce or eliminate the risk.

--- Select the appropriate structure and composition of the material, to eliminate or reduce the risk;

--- Reducing the need for operator intervention in the danger zone, to limit the danger it faces;

--- By design hazard can not be eliminated or sufficiently limited, it should be guards or other safety devices in order to avoid danger.

Despite a suitable design to avoid danger, but the risk may still exist legacy, safety signs are used to alert operators and the presence of other persons about residual risk.

3.2

Role of safety signs.

--- A reminder of the presence or potential danger;

--- Indicate danger;

- Description of the nature of risk;
- Illustrate the dangers of possible consequences of injury;
- Instruct people how to avoid danger.

3.3

Safety signs set principles.

- Can be eye-catching and effective reminder of the presence or potential danger;
- Can accurately visualize dangerous nature;
- Clear indication of how people can avoid danger.

3.4

in accordance with the mining machinery and parts may produce dangerous levels, should the appropriate safety signs on the device and instructions for use in the preparation Book. Safety signs should be set on the device in a hazardous location or preventing dangerous scope of monitoring to ensure that no obstacles impeding the safe fixed VIZ normal flag.

3.5

Safety signs shall be securely connected, legible, and equipment have significantly different, their life should comply with GB 18209.2 flag throughout the machine Mechanical life of the provisions.

3.6

In order to avoid confusion at a position involving dangerous should prevent the excessive use of safety signs. Excessive use of safety signs will reduce its effect.

3.7

can be used alone as an illustration of safety signs, as text messages may not be recognized (as a result of language differences or educational process Degrees), use a text message on safety signs should be used in conjunction with other non-text information to indicate danger.

3.8

should give full consideration to the use of safety signs and other hazards caused by the possibility of occurrence.

3.9

Use of explosion-proof equipment safety signs should comply with the relevant standards.

4 in the form of safety signs

4.1 Safety signs surrounded by a border of two or more rectangular flag region.

4.2 Safety Signs arrangement of rectangular flag area are arranged laterally and longitudinally arranged in two ways, the selected arrangement to transfer information Effectiveness of available area of safety signs, which the locale is determined.

Rectangular flag area 4.3 Safety signs include the following three types.

--- Symbol area;

--- Icon zone;

--- Text area.

4.4 Composition of the following standard safety signs four forms.

--- Rune formula. Symbol area, text area;

--- Third District formula. Symbol area, graphic area, text area;

--- Photo type. icon area, text area;

--- Two drawings. two graphic area.

4.5 Rune safety signs shown in Figure 1. Symbol region including safety alert symbol and a sign of the degree of danger represented three kinds of words (note, warning, danger Insurance) one. Text area contains dangerous describe, explain the consequences of risk and indicates how to avoid the dangers of text messages.

Figure 1 Rune safety signs

4.6 three-zone safety signs shown in Figure 2. Symbol zone includes three kinds of safety alert symbol and flag word (note, warning, danger) one. Icon Area contains description dangerous hazard pictorials, or in some cases to describe a combination of danger and avoid dangerous shown. Text Area contains dangerous Description insurance, risk consequences, and explain how to avoid the danger of indicating a text message.

2 three-zone safety signs

4.7 Teletext safety signs shown in Figure 3. Graphic area includes the security alert triangle surrounded by the icon or description of the risk of individual security Alert symbol. Text area contains dangerous describe, explain the consequences of risk and indicates how to avoid the dangers of text messages.

3 graphics safety signs

Figure 4.8 two safety signs shown in Figure 4. The first area is illustrated illustration description hazardous area contains the security alert triangle surrounded by danger

Icon or a separate safety alert symbol. The second zone is shown illustrating avoid dangerous areas, to avoid the danger of containing chart area.

Figure 4 two safety signs