



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

GB/T 25684.7-2021

**Earth-moving machinery - Safety - Part 7: Requirements for
scrapers**

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foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules of Standardization Documents"

drafted:

This document is part 7 of GB/T 25684 "Earth-moving Machinery Safety": GB/T 25684 has released the following parts:

- Part 1: General requirements;
- Part 2: Requirements for bulldozers;
- Part 3: Requirements for loaders;
- Part 4: Requirements for backhoe loaders;
- Part 5: Requirements for hydraulic excavators;
- Part 6: Requirements for dump trucks;
- Part 7: Requirements for scrapers;
- Part 8: Requirements for motor graders;
- Part 9: Requirements for pipelayers;
- Part 10: Requirements for trenchers;
- Part 11: Requirements for backfill compactors;
- Part 12: Requirements for mechanical excavators;
- Part 13: Requirements for road rollers;

This document replaces GB 25684:7-2010 "Earth-moving Machinery Safety Part 7: Requirements for Scrapers", and GB 25684:7-

Compared with:2010, except for structural adjustment and editorial changes, the main technical changes are as follows:

- Changed the scope, adding towed scrapers does not apply to this document (see Chapter 1, Chapter 1 of the:2010 edition);
- Change "safety requirements and/or protective measures" to "safety requirements and protective measures" (see Chapter 4, Chapter 4 of the:2010 edition);
- Added noise test method (see 4:6);
- Increased the requirements for opening the hood (see 4:7);
- Deleted the verification of safety requirements and/or protective measures (see Chapter 5 of the:2010 edition):

This document is equivalent to ISO 20474-7:2017 "Earth-moving machinery safety - Part 7: Requirements for scrapers":

Please note that some content of this document may be patented: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

This document is a Type C standard defined by ISO 12100:

The scope of this document describes the machinery involved and the scope of the hazards, hazardous states or hazardous events involved:

Since the design and manufacture of the machine follow the requirements of Class C standards, when the requirements of Class C standards are different from those of Class A or Class B standards

At the same time, the requirements of Class C standards take precedence over other standards:

GB/T 25684 "Earth-moving Machinery Safety" is a basic and universal guideline for guiding my country's earth-moving machinery products to meet relevant safety requirements:

standard: GB/T 25684 aims to establish general safety requirements applicable to earth-moving machinery products and special safety requirements for specific machine families

requirements, it is proposed to be composed of 14 parts:

- Part 1: General requirements: The purpose is to establish general safety requirements applicable to all machine types in the earthmoving machinery industry:

The foundational standard for a full range of standards:

--- Part 2: Requirements for bulldozers: The purpose is to propose specific products that meet the unique characteristics of bulldozer products:

Security Requirements Clause:

--- Part 3: Requirements for loaders: The purpose is to propose specific products that meet the characteristics of their own products according to the unique characteristics of loader products:

Security Requirements Clause:

--- Part 4: Requirements for backhoe loaders: The purpose is to propose a product that meets the unique characteristics of backhoe loader products:

Point-specific security requirements clause:

--- Part 5: Requirements for hydraulic excavators: The purpose is to put forward the unique characteristics of hydraulic excavator products that meet the characteristics of their own products:

Point-specific security requirements clause:

--- Part 6: Requirements for dump trucks: The purpose is to propose specific products that meet the unique characteristics of dump truck products:

Security Requirements Clause:

--- Part 7: Requirements for scrapers: The purpose is to propose specific products that meet the characteristics of their own products according to the unique characteristics of scraper products:

Security Requirements Clause:

--- Part 8: Motor grader requirements: The purpose is to propose specific products that meet the unique characteristics of motor graders:

Security Requirements Clause:

--- Part 9: Requirements for pipelayers: The purpose is to propose specific products that meet the unique characteristics of the pipelayer products:

Security Requirements Clause:

--- Part 10: Requirements for trenchers: The purpose is to propose special features that conform to the characteristics of the trencher products according to the unique characteristics of the trencher products:

Security requirements clauses:

--- Part 11: Requirements for backfill compactors: The purpose is to propose products that meet the unique characteristics of backfill compactor products:

Features specific security requirements clause:

--- Part 12: Requirements for mechanical excavators: The purpose is to propose products that meet the unique characteristics of mechanical excavators:

Features specific security requirements clause:

--- Part 13: Requirements for road rollers: The purpose is to propose special characteristics that meet the characteristics of the rollers according to the unique characteristics of the road roller products:

Security requirements clauses:

--- Part 14: Requirements for small implement carriers: The purpose is to put forward a proposal to meet the unique characteristics of small implement carrying machine products:

Specific safety requirements clauses for their own product features:

The safety requirements of Part 2 to Part 14 are used in conjunction with the general requirements of Part 1 to better meet the use requirements:

Earthmoving Machinery Safety

Part 7: Requirements for scrapers

1 Scope

This document specifies the safety requirements for wheeled and crawler scrapers as defined by ISO 6165 but does not include trailed scrapers; specifies soil

All major hazards, hazardous states and hazardous events related to the use of the machine for the intended purpose or foreseen by the manufacturer under conditions of misuse

Parts (see Appendix A of GB/T 25684:1-2021); specifies the elimination or reduction of major hazards, dangerous conditions during commissioning, operation and maintenance

Appropriate technical measures for risks arising from conditions or hazardous events:

This document is used in conjunction with GB/T 25684:1 (specifying general safety requirements for two or more families of earth-moving machinery): of this document

Specific requirements take precedence over the general requirements of GB/T 25684:1:

This document does not apply to machines manufactured prior to the implementation of this document:

2 Normative references

The contents of the following documents constitute essential provisions of this document