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GB/T 25684.14-2023

Earth-moving machinery - Safety - Part 14: Requirements for compact tool carriers

土方机械 安全 第14部分：小型机具承载机的要求

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting:

This document is Part 14 of GB/T 25684 "Safety of Earthmoving Machinery": GB/T 25684 has released the following parts:

---Part 1: General requirements;

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---Part 2: Bulldozer requirements;

---Part 3: Loader requirements;

---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 graders;

---Part 9: Requirements for pipelayers;

---Part 10: Requirements for trenching machines;

---Part 11: Requirements for backfill compactors;

---Part 12: Requirements for mechanical excavators;

---Part 13: Requirements for rollers;

---Part 14: Requirements for small machine tool carriers;

---Part 15: Requirements for tire-type forklifts:

This document is equivalent to ISO 20474-15:2019 "Earthmoving Machinery Safety Part 15: Requirements for Small Implement Carriers":

This document has made the following minimal editorial changes:

---In order to coordinate with the existing standards, the name of the standard is changed to "Earthmoving Machinery Safety Part 14: Requirements for Small Machinery Carriers":

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

Introduction

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

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

Since the design and manufacture of machines comply with 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 Category C standards take precedence over other standards:

GB/T 25684 "Earthmoving Machinery Safety" is a basic and universal guide for my

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country's earthmoving machinery products to meet relevant safety requirements:

standard: GB/T 25684 aims to establish general safety requirements applicable to earthmoving machinery products as well as special safety requirements for specific machine families:

The requirements are planned to consist of 15 parts:

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

The basic standard for the whole series of standards:

---Part 2: Bulldozer requirements: The purpose is to target the unique characteristics of bulldozer products and propose specific products that are consistent with their own product characteristics:

Security Requirements Clause:

---Part 3: Loader requirements: The purpose is to target the unique characteristics of loader products and propose specific products that are consistent with their own product characteristics:

Security Requirements Clause:

---Part 4: Backhoe loader requirements: The purpose is to propose products that are consistent with the unique characteristics of backhoe loader products:

point-specific security requirements:

---Part 5: Requirements for hydraulic excavators: The purpose is to propose products that are in line with the unique characteristics of hydraulic excavator products:

point-specific security requirements:

---Part 6: Requirements for dump trucks: The purpose is to target the unique characteristics of dump truck products and propose specific products that are in line with the characteristics of its own products:

Security Requirements Clause:

---Part 7: Requirements for scrapers: The purpose is to propose specific products that are consistent with the characteristics of the scraper product based on the unique characteristics of the scraper product:

Security Requirements Clause:

---Part 8: Requirements for graders: The purpose is to target the unique characteristics of grader products and propose specific products that are consistent with their own product characteristics:

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Security Requirements Clause:

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

Security Requirements Clause:

---Part 10: Requirements for trenching machines: The purpose is to focus on the unique characteristics of trenching machine products and propose features that are consistent with the characteristics of its own products:

Set safety requirements:

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

Characteristics of specific safety requirements:

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

Characteristics of specific safety requirements:

---Part 13: Requirements for rollers: The purpose is to focus on the unique characteristics of road roller products and propose features that are consistent with the characteristics of its own products:

Set safety requirements:

---Part 14: Requirements for small machine tool carriers: The purpose is to propose products that meet the unique characteristics of small machine tool carriers:

Specific safety requirements of its own product features:

---Part 15: Requirements for tire-type forklifts: The purpose is to propose products that are suitable for the unique characteristics of tire-type forklift products:

Specific safety requirements for product features:

The safety requirements of Part 2 to Part 15 are used in conjunction with the general requirements of Part 1 to better meet the usage requirements:

Earthmoving Machinery Safety Part 14: Requirements for small implement carriers

1 Scope

This document stipulates the safety requirements for small equipment carriers; stipulates the conditions for operation of earthmoving machinery when specified by the manufacturer or when misuse is foreseen:

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