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

GB 46313-2025

Protective clothing - Mechanical protective clothing

防护服装 机械防护服

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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 for standardization documents" Drafting. Please note that some of the contents of this document may involve patents. The issuing organization of this document does not assume the responsibility for identifying patents. This document is proposed and coordinated by the Ministry of Emergency Management of the People's Republic of China. Protective clothing Mechanical protective clothing

1 Scope

GB 46313-2025 is the Chinese national standard on protective clothing - mechanical protective clothing, 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 29 August 2025 by the Ministry of Emergency Management, and has been in force since 1 September 2026. Classification: ICS 13.340.10, CCS C73. 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 document specifies the performance levels, technical requirements, marking and manufacturer information for mechanical protective clothing and describes the test methods. This document applies to protective aprons, trousers and vests worn when working with hand-held knives, as well as to protective clothing worn on parts of the body to prevent accidents. Similar clothing that provides protection.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 5296.4 Instructions for use of consumer products Part

3 Terms and Definitions

For the purposes of this document, the terms and definitions given in GB/T 12903 and ISO 13998 and the following apply.

3.1 Clothing that protects the human body from at least one of the following mechanical injuries. cuts and stabs caused by hand-held knives. NOTE. See Appendix A for typical types of mechanical protective clothing.

3.2 divided apron A garment that is split vertically in the thigh area and restrained separately on each leg. [Source: ISO 13998.2003, 3.2]

3.3 protective trousers protective trousers A garment worn below the waist and having separate legs. [Source: ISO 13998.2003, 3.3]

3.4 protective vest protective vest A garment worn on the torso, covering at least the chest, waist, shoulders and part of the upper arm area.

4 Textiles and clothing

GB/T 12903 Terminology of Personal Protective Equipment GB.20097 General Technical Specifications for Protective Clothing

GB/T 22866 Determination of nickel release from leather hardware accessories

GB 24541 Hand protection gloves for mechanical hazards

GB 30865.1 Hand protection - Protective gloves against cuts and stab wounds caused by hand-held knives - Part