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**JIS T 8121-1** : 2006

(ISO 13999-1 : 1999)

(JSAA/JSA)

**Protective clothing—Gloves and  
arm guards protecting against cuts  
and stabs by hand knives—  
Part 1 : Chain-mail gloves and arm  
guards**

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ICS 13.340.40; 13.340.99

Reference number : JIS T 8121-1 : 2006 (E)

## Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Japan Society Appliances Association (JSAA)/ Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This part of **JIS T 8121** has been made based on **ISO 13999-1 : 1999** *Protective clothing—Gloves and arm guards protecting against cuts and stabs by hand knives—Part 1: Chain-mail gloves and arm guards* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Ministers and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

**JIS T 8121** consists of the following 2 parts under the general title “*Protective clothing—Gloves and guards protecting against cuts and stabs by hand knives*”:

*Part 1 Chain-mail gloves and arm guards*

*Part 3: Impact cut test for fabric, leather and other materials*

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In the event of any doubts arising as to the contents,  
the original JIS is to be the final authority.

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# Protective clothing—Gloves and arm guards protecting against cuts and stabs by hand knives—

## Part 1: Chain-mail gloves and arm guards

**Introduction** This Japanese Industrial Standard has been prepared based on the first edition of **ISO 13999-1** *Protective clothing—Gloves and arm guards protecting against cuts and stabs by hand knives—Part 1: Chain-mail gloves and arm guards* published in 1999 without modifying the technical contents.

The portions underlined with dots are the matters not stated in the original International Standard.

Chain-mail gloves and metal or plastic arm guards that offer some protection against stabs are used in those aspects of work where a knife is moved towards the user's hand and forearm. Protective gloves and arm guards against stabs may also offer adequate protection for those working with hand knives in the plastics, leather, textile and paper industries, when laying flooring and similar tasks.

It should be noted that the tests specified in this part of **JIS T 8121** are designed to be severe, and in some cases destructive, in order to adequately test the products. The requirements in this part of **JIS T 8121** based on these tests do not imply that, in normal use, knives will penetrate gloves or arm guards by significant distances.

It has been assumed in the drawing of this part of **JIS T 8121** that the execution of its provisions is entrusted to appropriately qualified and experienced people, for whose guidance it has been prepared. The apparatus described should only be used by competent persons and requires safeguards to prevent, as far as is reasonably practicable, injury to the operator and other persons.

**1 Scope** This part of **JIS T 8121** specifies requirements for the design, penetration resistance, ergonomic characteristics, straps, weight, material, marking and instructions for use, of gloves and arm guards. It also specifies the appropriate test methods.

- a) This part of **JIS T 8121** applies to protective chain-mail gloves and to metal and plastics arm guards for use with hand knives.

Remarks : The International Standard corresponding to this part of **JIS T 8121** is as follows.

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standard and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21**.

ISO 13999-1 : 1999 *Protective clothing—Gloves and arm guards protecting against cuts and stabs by hand knives—Part 1: Chain-mail gloves and arm guards* (IDT)