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Protective clothing for users of hand-held chain-saws — Part 6: Test methods and performance requirements for upper body protectors

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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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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 Safety 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.

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 8125 consists of the following 6 parts under the general title "*Protective clothing for users of hand-held chain-saws*":

Part 1 : Test rig driven by a flywheel for testing resistance to cutting by a chain-saw

Part 2 : Test methods and performance requirements for leg protectors

Part 3 : Test methods for footwear

Part 4 : Test methods and performance requirements for protective gloves

Part 5 : Test methods and performance requirements for protective gaiters

Part 6 : Test methods and performance requirements for upper body protectors

Protective clothing for users of hand-held chain-saws— Part 6: Test methods and performance requirements for upper body protectors

Introduction

This Japanese Industrial Standard has been prepared based on the first edition of ISO 11393-6 published in 2007 with some modifications of the technical contents concerning the variety of usages in Japan and the quality improvement of protective gloves.

The portions with continuous sidelines or dotted underlines in this Standard are the matters in which the contents of the corresponding International Standard have been modified. A list of modifications with explanations is given in Annex JA.

This Standard forms part of a series concerned with personal protective equipment designed to protect against the risks arising from the use of hand-held chain-saws.

No personal protective equipment can ensure a 100 % protection against cuffing from a hand-held chain-saw. Nevertheless, experience has shown that it is possible to design personal protective equipment which offers a certain degree of protection.

Different functional principles may be applied in order to give protection. These include:

a) chain slipping: the chain slips on the surface of protective materials, and it does not cut the human body. This is one of protection effects;

b) clogging: fibres, threads and other materials are drawn by the chain into the drive sprocket and block chain movement;

c) chain braking: fibres and other materials have a high resistance to cutting and absorb rotational energy, thereby reducing the chain speed.

1 Scope

This Standard specifies test methods and requirements for the protection offered by upper body protectors against cutting by a hand-held chain-saw.

NOTE : The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 11393-6 : 2007 *Protective clothing for users of hand-held chain-saws —Part 6: Test methods and performance requirements for upper body protectors* (MOD)

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 21-1.