ISO 11393-2:2018 (E)

Protective clothing for users of hand-held chainsaws — Part 2: Performance requirements and test methods for leg protectors

Contents

Foreword

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 Requirements

- 4.1 General
- 4.2 Innocuousness
- 4.3 Sizing
- 4.4 Ergonomics
- 4.5 Dimensional and other changes
- 4.5.1 Dimensional change
- 4.5.2 Other changes as a consequence of cleaning
- 4.6 Protective coverage
- 4.6.1 General designs of leg protectors
- 4.6.2 Design A
- 4.6.3 Design B (chaps)
- 4.6.4 Design C
- 4.7 Resistance to cutting by a chainsaw
- 4.7.1 Classification according to chain speed
- 4.7.2 Requirements for cut resistance
- 4.8 Requirements for strength of attachment of protective insert of trousers, chaps and strap attachment for chaps
- 4.8.1 Trousers and leggings
- 4.8.2 Chaps

5 Test specimens for cut testing

6 Test methods

- 6.1 Pre-treatment
- 6.1.1 Cleaning
- 6.1.2 Pre-treatment for testing the effect of temperature and spinning on the structure of the protective insert
- 6.2 Measurement of dimensional change
- 6.3 Measurement of protective coverage
- 6.3.1 General
- 6.3.2 Procedure for trousers and leggings
- 6.3.3 Procedure for chaps
- 6.4 Testing of resistance to cutting
- 6.4.1 Purpose of testing
- 6.4.2 Test specimens
- 6.4.3 Apparatus
- 6.4.4 Mounting of test specimens
- 6.4.5 Test procedure
- 6.4.5.1 Positions
- 6.4.5.2 Number of cuts
- 6.4.5.2.1 Design A and design B
- 6.4.5.2.2 Design C

6.4.5.3 Chain speed
6.4.5.4 Examination of protective material
6.5 Measurement of the strength of the protective insert attachment
6.5.1 General
6.5.2 Test specimens
6.5.3 Apparatus
6.5.4 Test procedure
6.6 Ergonomic testing
6.6.1 Ergonomic assessment
6.6.2 Procedures
6.6.3 Test for surface conditions
6.7 Test report

7 Marking

8 Pictogram

9 Information to be supplied by the manufacturer

Annex A (informative) Selection of design A, design B or design C

Page count: 22