

ISO 11393-6:2018 (E)

Protective clothing for users of hand-held chainsaws — Part 6: Performance requirements and test methods for upper body protectors

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
4	Performance requirements
4.1	General
4.2	Innocuousness
4.3	Sizing
4.4	Ergonomic requirements
4.5	Specified minimum protective area for upper body protectors
4.5.1	General
4.5.2	Designs of jackets
4.5.3	Front design A
4.5.4	Front design B
4.5.5	Rear design A and B
4.5.6	Collar (optional)
4.5.7	Fastenings and joins
4.6	Dimensional change and other changes
4.6.1	Dimensional change
4.6.2	Other changes as a consequence of cleaning
4.7	Resistance to chainsaw cutting
4.8	Requirements for the attachment of protective padding and the strength of closures
5	Classification according to chain speed
6	Test methods
6.1	General
6.2	Pre-treatment
6.2.1	Cleaning
6.2.2	Pre-treatment for testing the effect of temperature and spinning on the structure of the protective insert
6.3	Number of test specimens
6.4	Sizes of test specimens
6.5	Examination of protective material
7	Testing for dimensional change
8	Checking of protective coverage
9	Testing of resistance to cutting
9.1	Purpose of testing
9.2	Test specimens
9.3	Marking of positions for cutting
9.3.1	Test position line on shoulder
9.3.2	Test position on the sleeve
9.3.3	Test positions if there are seams in the protective material
9.4	Test mounts

9.4.1	Shoulder test mount
9.4.2	Sleeve test mount
9.5	Apparatus
9.6	Mounting of test specimens
9.6.1	Shoulder test
9.6.2	Sleeve test
9.7	Test procedure
9.7.1	Positions of cuts
9.7.1.1	On protective material units
9.7.1.2	On seams between protective material units
9.7.2	Number of cuts
9.7.3	Chain speed
10	Testing of the protective material attachment
10.1	General
10.2	Test specimens
10.3	Apparatus
10.4	Test procedure
11	Ergonomic testing
11.1	Ergonomic assessment
11.2	Test for surface conditions
11.3	Procedures
12	Test report
13	Marking
14	Pictogram
15	Information to be supplied by the manufacturer
Annex A	(informative) Chainsaw use and the selection of appropriate upper body protectors
A.1	General
A.2	Risk analysis
A.2.1	General
A.2.2	Method
A.2.2.1	Step 1: Risk evaluation
A.2.2.2	Step 2: Risk reductions