SCAN**KRISTOFF**
User Instruction

CE 0161
CAT.II

Glove reference
ScanKristoff

Available sizes
(according to EN 420:2003+A1:2009)
8/M - 10/XL

Size	Hand Length (mm)	Hand perimeter (mm)
8/M	182	203
9/L	192	229
10/XL	204	254

Glove description
Cow split leather winterglove with 3M Thinsulate® lining

The gloves referred to in these instructions, complies with the essential requirements of the European EU Regulation 2016/425 concerning Personal Protective Equipment (PPE) and belong to Category II. They have been subjected to a CE-type Examination performed by:

AITEX – N.B. 0161
Plaza Emilio Sala 1
03801 Alcoy – Spain

The EU Declaration of Conformity (DOC) can be found at the Scandia Gear website (www.scandiagear.com), under the Scandia productname ScanKristoff and through the link "Declaration of Conformity".

Read this information carefully before first wear and keep it for future reference.

Applicable standards
These gloves meet the requirements of the standard EN 420:2003+A1:2009 - ''General requirement for work gloves''. Dexterity: level 5. The gloves were also tested and approved against water vapour transmission.

They have been designed for the following applications.

EN 388:2016
+A1:2018

4244X

Mechanical hazard
NEN - EN 388:2016+A1:2018
This Standard specifies test methods and performance requirements for gloves which offer protection against mechanical hazards of abrasion, blade cut, tear and puncture.

Levels of performance (of which 4/5 is the highest achievable level):

Abrasion resistance (level1-4): Level **4**

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
100 cycles	500 cycles	2000 cycles	8000 cycles

Blade cut resistance (level 1-5): Level **2**

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4	LEVEL 5
1,2	2,5	5,0	10,0	20,0

Tear resistance (level 1-4): Level **4**

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
10 N	25 N	50 N	75 N

Puncture resistance (level 1-4): Level **4**

LEVEL 1	LEVEL 2	LEVEL 3	LEVEL 4
20 N	60 N	100 N	150 N

TDM: not tested

LEVEL A	LEVEL B	LEVEL C	LEVEL D	LEVEL E	LEVEL F
2 N	5 N	10 N	15 N	22 N	30 N

Resistance to cutting by sharp objects EN ISO13997 (level A-F): **X**[1]

[1] : An **X** as result indicating that the glove was not tested against this type of protection.

EN 511:2006

13X

Cold Protection EN 511:2006
This Standard specifies test methods and performance requirements for gloves which offer protection against cold related hazards.

Levels of performance (of which level 3 is the highest achievable.

Resistance to convective cold (level 1-3)	1
Resistance to contact cold (level 1-3)	3
Water penetration (level 1-0)	0

(level 1 - pass or 0 - no protection)

Note: *due to limited insulative properties these gloves are most suitable for handling of cold objects at an ambient temperature of 0-10/15 °C. Warning: The gloves may lose their insulative properties when wet.*

Special note to selection of gloves for cold protection
Several parameters should be considered in the selection process of a glove that protects against cold, such as those shown in table B.1.

Table B.1. - Parameters relevant in selection process

Environment	Environment Atmospheric conditions (relative humidity) Wind speed
Individual conditions	Health and well-being of the person Effect of other protective clothing worn by the person
Occupation	Time of exposure Activity level Dexterity requirements Contact with cold items Contact with wet or dry objects

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Studies have established certain correlations between these parameters and the level of thermal insulation required to protect in cold conditions. The table given in Annex B of EN 342:2004 is an example of such data. Figure B.1 shows the thermal insulation level required for three activity levels as a function of ambient air temperature at wind speed below 0,5 m/s (source: Goldman.

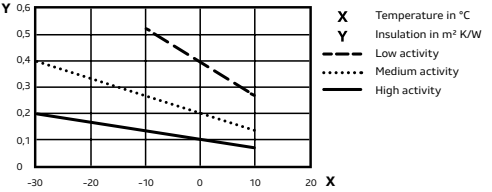

Figure B.1. - Glove insulation requirements at three levels of physical activity

Note: *The parameters considered in the study (air velocity etc.) may differ from these of the convective cold test method.*

Appendix 1: American National Standards Gloves in compliance with American National Standard:

- ANSI/ISEA 105-2016 Clause 5.1: mechanical protection
- ANSI/ISEA 105-2016 Clause 5.6: Dexterity

Application

ANSI/ISEA 105 - 2016: American national standard for hand protection selection criteria: Clause 5.1: Mechanical protection

This American standard specifies the classification and testing of hand protection for specific performance properties related to chemical and industrial applications. These specific gloves are designed to offer protection against mechanical hazards. The tests that are selected are therefore:
Cut resistance, puncture resistance, abrasion resistance.

Obtained levels of performance:

Resistance to cutting by sharp objects (level A1-A9)	A3
Puncture resistance - (level 1-5)	4
Abrasion resistance (level 1-6)	5

Where A1/1 is the lowest and A9/5/6 the highest.

ANSI/ISEA 105-2016: American national standard for hand protection selection criteria: Clause 5.6: Dexterity

Obtained levels of performance:

Dexterity (level 1-5)	5

Where 1 is the lowest and 5 the highest.

General information
These gloves can be worn continuously for several hours and do not contain toxic, carcinogenic, mutagenic, or other substances that can affect the health or hygiene of the user adversely. No allergic reactions due to skin contact with this products are known.

Protection limit
- Scandia's protection warranty applies only to the risks and hazards mentioned in this document.
- Protection against risks or hazards not mentioned in this document is therefore unwarranted. The levels of performance mentioned are only valid for: the palms of the gloves and gloves that are new, unwashed, and in their original condition (i.e., have not been repaired).
- These levels of performance were achieved from tests done according to conditions defined by the applicable standards.
- For gloves that have multiple layers of material, performance levels are guaranteed for the whole glove, not for individual layers.
- To decrease the risk of injury, gloves should not be worn around or when operating machines with moving parts.
- These gloves should be kept away from fire.

Storage and cleaning
Gloves should be stored in their original packaging and away from heat, cold, and humidity. Gloves must also be kept in areas that are clean and well-ventilated. These gloves are not suitable for cleaning. Washing will reduce the protective properties. The gloves must therefore be removed from service and replaced when heavily soiled.
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Explanation of the symbols

	Do not wash		Do not iron
	Do not bleach		Do not dry clean
	Do not tumble dry		

Disclaimer
Scandia Gear is not liable for damages that result from the improper use of these products.

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