# SCAN**CHILL PRO**

## User Instruction

CE 0596 CAT.II

**Glove reference**
ScanChill Pro

**Available sizes**
9 (L) -10 (XL)

**Glove description**
THESE GLOVES ARE PERSONAL PROTECTIVE EQUIPMENT ITEMS OF HAZARD CATEGORY II.
They meet the requirements of the EU Regulation 2016/425 and were subjected to an EU-type Examination performed by:

**NB 0598**
**SGS Fimko Ltd**
**Takomotie 8**
**FI-00380 Helsinki**
**Finland**

The EU Declaration of Conformity (DOC) can be found at the Scandia Gear website (www.scandiagear.com), under the Scandia product name ScanChill Pro 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 21420: 2020 "General requirements for protective gloves". Obtained level of dexterity: Level 3.

They are designed for the following applications:

**EN 388:2016**



**2232X**

**Mechanical hazards – 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 (level 1-4): **2**

| 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 | **LEVEL 2** | LEVEL 3 | LEVEL 4 | LEVEL 5 |
|---|---|---|---|---|
| 1,2 | 2,5 | 5,0 | 10,0 | 20,0 |

Tear resistance (level 1-4) : Level **3**

| LEVEL 1 | LEVEL 2 | **LEVEL 3** | LEVEL 4 |
|---|---|---|---|
| 10 N | 25 N | 50 N | 75 N |

Puncture resistance (level 1-4) : Level **2**

| 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**



**12X**

**Cold protection - EN 511:2006**
This Standard specifies test methods and performance requirements for gloves which offer protection against cold related hazards. For example, low temperature bend test (-50ºC)..

Levels of performance:
(of which level 3 is the highest achievable level)

| | |
|---|---|
| **Resistance to convective cold (level 1-3)** | **1** |
| **Resistance to contact cold (level 1-3)** | **2** |
| **Water penetration (level 1-0)** | **X** |

*Note: due to limited insulative properties these gloves are most suitable for use at an ambient temperature of 0/-20°C, depending on the activity level and duration.*

*Warning: The gloves may lose their insulative properties when wet and offer no protection against water penetration.*

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

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 1994).

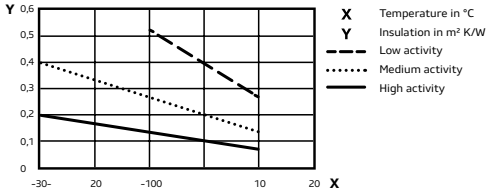



**Figure B.1. - Glove insulation requirements at three levels of physical activity**

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




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**APPENDIX 1: AMERICAN NATIONAL STANDARDS**
**Gloves in compliance with American National Standard:**

ANSI/ISEA 105-2011 Clause 5.1:
Mechanical protection

ANSI/ISEA 105-2011 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 selected tests concern cut resistance and abrasion resistance

**Levels of performance:**

| | |
|---|---|
| **Resistance to cutting by sharp objects (level A1-A9)** | **A2** |
| **Abrasion resistance (level 1-6)** | **6** |

**(of which A1/1 is the lowest and A9/6 the highest level).**

**ANSI/ISEA 105-2016: AMERICAN NATIONAL STANDARD FOR HAND PROTECTION SELECTION CRITERIA: Clause 5: Dexterity**

**Levels of performance:**

| | |
|---|---|
| **Dexterity (level 1-5)** | **3** |

**(of which 1 is the lowest and 5 the highest level).**

## General product 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 garment 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.

Cleaning is not recommended; the gloves are not washable. Washing will reduce the protective properties. The gloves must therefore be removed from service and replaced when heavily soiled.

## Explanation of the symbols

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

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



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