



Protective gloves against mechanical risks

ENSURE HIGH-QUALITY AND COMPLIANT PERSONAL PROTECTIVE EQUIPMENT (PPE) PRODUCTS WITH SGS

Trusted means *Tested.*





Gloves. *Tested.*

EN 388:2016+A1:2018 is the European standard for testing protective gloves against mechanical risks in general industry applications. To meet EN 388:2016+A1:2018, it is also necessary to meet EN 420:2003+A1:2009 (or EN ISO 21420:2020), which specifies the general requirements and test methods for protective gloves.

- EN 388:2016+A1:2018 protective gloves against mechanical risks
- EN 420 (EN ISO 21420) – general requirements for protective gloves

EN 388:2016+A1:2018 includes performance tests for abrasion resistance, blade cut resistance, tear resistance, puncture resistance, cut resistance (TDM test) and impact protection. In addition, the major tests for EN 420 (EN ISO 21420) are shown below, depending on the used materials:

EMC TEST CAPABILITIES

- Sizing (per size)
- Dexterity (optional)

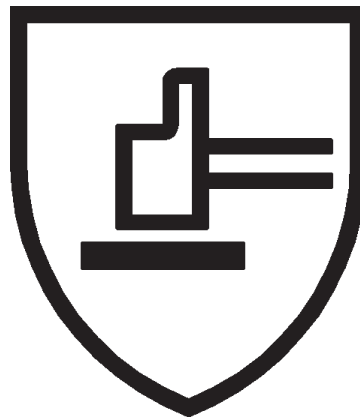
CHEMICAL TESTS

- Azo colorants (textile & leather)
- pH (textile & leather)
- Chromium (VI) content (leather)
- Extractable protein content (natural rubber)
- Nickel for materials which could come into prolonged contact with the skin
- Dimethylformamide (DMFa) in gloves containing PU
- PAH (rubber and plastic materials)

OTHER TESTS, IF APPLICABLE

- Water vapor transmission
- Water vapor absorption
- Water penetration
- Electrostatic properties

EN 388:2016+A1:2018 protective gloves need a pictogram (see below example) to show conformity and the level of mechanical properties.



Protective gloves designed to meet EN 388:2016+A1:2018 and EN 420 (EN ISO 21420) are considered to be Category II PPE products. Manufacturers, or their authorized representatives in the European Community, are required to submit technical documentation, including product samples for testing, to an Approved Body (UK) and/or Notified Body (EU) for UKCA/EU type examination under PPE Regulation 2016/425. After receiving relevant certification, the manufacturer can affix the CE or UKCA mark to their product.

With the CE mark, goods can have free movement within the internal market of the European Community.

WHY CHOOSE SGS?

SGS's PPE solutions provide a one-stop testing and certification service for protective gloves against mechanical risks.

1. TESTING

Our testing laboratories perform mechanical risk protective glove testing according to EN 420 (EN ISO 21420) and EN 388:2016+A1:2018. Following testing, we assist the manufacturer in coordinating with Notified/Approved Bodies for the application of EU/UKCA type-approval.

2. CERTIFICATION

Our facilities in Finland (Notified Body number 0598) and the UK (Approved Body 0120) provide type-approval examination to PPE Regulation 2016/425.

We offer a one-stop-shop solution and can conduct CE and UKCA certification simultaneously.

In addition, we can provide Category III PPE certification through our worldwide network of auditors.

CONTACT US

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WHEN YOU NEED TO BE SURE

SGS