

Protective clothing against mechanical
Requirements for protective clothing against being caught by moving machine parts.

Reference number: EN 510

Status: European Standard - Product specification (moving machine parts)

Scope: This standard specifies the requirements for protective clothing designed for operators working with or near machines with uncovered moving parts. It does not cover specific risks specified in other standards, e.g. chain saws.

CONTENT

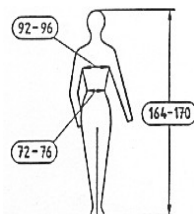
General requirements:

- Composition of the clothing
 - a jacket with bib and brace trousers or
 - a jacket with bib and brace trousers or
 - a coverall with sleeves
- Closure systems: not have any loose elements; the closure be covered and folds, if any, be at the inside of the clothing
- Seams be folded to the inside of the clothing
- Accessories shall withstand cleaning as specified by the manufacturer; metallic parts shall resist to corrosion

Specific requirements:

- jackets:
 - no collar or with turndown collar to be closed to the neck
 - no external pockets; internal pockets only to be reached from the inside
 - no folds; adjustable cuff adjustable belt, if any, to fit the body
- bib and brace trousers:
 - no external pockets; internal pocket with closure in the chest part
 - side slits to be completely covered
 - braces to be fixed at the back part of the trousers; adjustable length; possibility to tuck the extremities of the braces in the chest part of the trousers
 - lower part of the trouser legs adjustable to fit the body
- coveralls:
 - see jackets and trousers
 - waist circumference adjustable at the inside
 - coveralls without sleeves shall have an elastic back part

Size designation:



- A pictogram is used
- the indications on the pictogram relate to body dimensions not to dimensions of the clothing; they mean that the garment can be used by a person with the body dimensions given on the label
- Information to be given:
 - for jackets: body height and chest circumference.
 - for trousers: body height and waist circumference.
 - intervals are normally 4 cm for circumferences and 6 cm for body height; intervals can be combined.

Marking:

On a clearly visible and readable label lasting the foreseeable number of cleaning cycles

It contents :

- the CE marking (as appropriate for PPE category II).
- cleaning and maintenance symbols.
- name or logo of the manufacturer.
- type of the garment (manufacturer reference).
- size designation (pictogram).
- reference to EN 510 standard.
- pictogram "gear-wheels"

Information for the user:

to be provided by the manufacturer in at least the official language(s) of the country of use; precise and understandable for the user.

contents:

- name and address of manufacturer or his authorized representative.
- name and reference of the product.
- reference to the relevant product standard.
- explanation on pictogram and performance levels obtained.
- instructions for use, e.g. safety checks before use, specific area of use and limitations of use (time of wear in specific conditions).
- storage and maintenance instructions, instructions for cleaning and disinfection, etc.
- specific warnings:
 - this clothing protects only when closely fit and when properly closed
 - when the clothing consists of two parts, these should be worn together and show no openings when working
- packaging instructions for transport.

Pictogramme :