

Head Protection EU Standards

Main standards concerning Head Protection.




EN397: Protective helmets for industry

Each helmet must bear a moulded or printed marking:

The existing European standard number, the name or reference mark of the manufacture identification, the quarter and year of manufacture, the helmet type, the size or size range. The instructions or recommendations of adjustment, assembly, use, cleaning, disinfection, maintenance and storage are specified in the instructions of use.

EN50365: Electric insulation

These are electrically insulating helmets for use on low voltage installations.

| CERTIFICATION | DESCRIPTION | DIAMOND | ADVANTAGE II | ADVANTAGE I |
|---|---|---------|--------------|-------------|
|  | EN397 <ul style="list-style-type: none"> Impact*: The force transmitted to the headform must not exceed 5kN at the fall of an object of 5kg from 1 meter height. Penetration*: The tip of the mass used in the test (3kg over 1 meter) must not come into contact with the skull. Flammability*: The helmet should not burn with flame emission more than 5 seconds after removal of the flame. *The impact and penetration tests are performed at room between 50°C and at -10°C. | X | X | X |
| | EN50365 <ul style="list-style-type: none"> Electrically insulating helmets for use near energized equipment (Not exceeding 1000 VAC or 1500 VDC). Used simultaneously with other electrically insulating protective equipment, these helmets prevent dangerous currents passing through to the person's head. | X | | |
|  | ANSI Z89 <ul style="list-style-type: none"> Protection against mechanical risk (impact, penetration, crushing), flammability and electrical insulation. | | X | X |
|  | MS183 <ul style="list-style-type: none"> Confirm that it has been tested for shock absorption, penetration, stiffness, flammability test & chin strap anchorage test. | | X | X |

Hearing Protection EU Standards

How to select the correct ear defender ?

The correct ear defender is the one which allows voice noise (Low intensity) to pass and reduces the intense noise to a reasonable scale (ranging between 75 and 80dB)



The workplace noise should be measured and the SNR (Standard Noise Reduction) used as a simple element of selection

STANDARDS

EN352: Exigencies of safety and tests

EN352-1: Ear-muffs

EN352-2: Earplugs

EN352-3: Adjustable head defenders for safety helmets

EN458: Hearing protection

Recommendations for selection, use and maintenance
These standards establish requirements with regards to the manufacture, the design, performances and test methods.

dB Ratings :

