



EN 812 Industrial Bump Caps

Industrial bump caps are intended to provide protection to the wearer against the effects of striking your head against hard, stationary objects with severity to cause laceration or other superficial injuries. An industrial bump cap should not be confused with an industrial safety helmet, as specified in EN 397.

EN 397 Industrial Safety Helmets

Industrial safety helmets are intended primarily to provide protection to the wearer against falling objects and consequential brain injury and skull fracture.

All safety helmets must have the following information marked on them:

- European Standard
- Manufacturer's name
- Date stamp of manufacture
- Model number or name (on the helmet and the harness)
- Size range
- Shell material

Impact

Helmet must not allow more than 5kn of energy to spread to the head after an impact of 5kg from a height of 1 metre.

This test is performed at temperatures of +50°C, room temperature and -10°C.

Penetration

The tip of the test mass used (3kg from 1m height) must not come into contact with the skull.

This test is performed at temperatures of +50°C, room temperature and -10°C.

Flammability

When a helmet is exposed to a flame for 10 seconds, it must not burn or should self-extinguish within 5 seconds after removal from the flame source.

Anchorage

Helmets can only protect when retained on the head. EN 397 requires that either the helmet shell or the headband is fitted with a chinstrap or with the means of attaching one, i.e. anchorage points.

EN 14052 High Performance Industrial Safety Helmets

High performance industrial helmets, as specified in this European Standard, are intended to provide to the wearer protection against falling objects and off crown side impacts and the consequential brain injury, skull fracture and neck injury.

EN 12492 Helmets for Mountaineers

These helmets are intended to provide protection against sharp/pointed objects but must not be used by those requiring an industrial safety helmet as they do not conform to the same safety standards.

EN 50365 Electrically Insulated Helmet

Electrically insulating helmets for use on low voltage installations.

Read more on Clad Safety's Safety Standards Guide [here](#).