PROTECTIVE INDUSTRIAL PRODUCTS

Safety Helmets

A QUICK REFERENCE GUIDE

This guide illustrates the benefits of safety helmets opposed to conventional hard hats and the options available based on different applicational and environmental hazards.

Why safety helmets?

Safety helmets feature an integrated chin strap designed to ensure a comfortable and secure fit to a workers head – even in the event of a trip, slip and fall – eliminating the chance of head protection dislodging and leaving a worker defenseless if gravity were to take over.

*Some safety helmets may also feature integrated above the visor safety accessories including retractable eyewear, face shields or ear muffs.

The reality of today's JOB SITE HAZARDS

Nearly 60% of traumatic head injuries are caused by fall accidents from elevations or falls on the same level

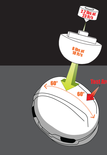
Science concludes that most concussions are the result of rotational force and strain to the brain from angled impacts

Impact from falls, flying debris and heavy machinery can come from any angle, making lateral impact protection beneficial on a any job site

SAFETY HELMETS:

Understanding the protective options available to you

Understanding the differences between the certifications and standards each safety helmet meets can help safety managers identify the correct solution needed based on the applicational and environmental risks at hand.



ANSI Z89.1 Type I Impact Protection

ANSI Type I impact protection is designed to reduce the force of impact to the top (crown) of the head **in accordance with U.S. impact testing requirements for industrial safety helmets.**

ANSI Z89.1 Type II Impact Protection

ANSI Type II impact protection is designed to reduce the force of impact to the top (crown), front, back and sides of the head **in accordance with U.S. impact testing requirements for industrial safety helmets.**

ANSI Z89.1 Type I Impact Protection + EN 12492 Shock Absorption

Designed to reduce the force of impact to the top (crown) of the head **in accordance with U.S. impact testing requirements for industrial safety helmets** WITH frontal, lateral and dorsal protection **in accordance with European shock absorption testing requirements for mountaineering climbing helmets.**

ANSI Z89.1 Type II Impact Protection + Mips® Technology

Designed to reduce the force of impact to the top (crown), front, back and sides of the head **in accordance with U.S. impact testing requirements for industrial safety helmets** AND help reduce the amount of rotational force transferred to the head from angled impacts, trips, slips and falls.

Choosing the correct ELECTRICAL CLASS

CLASS E
Electrical

For work around high voltage electrical hazards up to 20,000V

CLASS G
General

For work around medium voltage electrical hazards up to 2,000V

CLASS C
Conductive

For work around NO electrical hazards and increased air flow

SUSPENSION OPTIONS

The suspension system of a hard hat absorbs the force of an impact, otherwise known as "force displacement." The amount of suspension points spread out the force of an impact to protect the wearer, dispersing the initial impact or "force." Below is an example of what would happen when a ten-pound impact hits a 4-Point, 6-Point and 8-point suspension.

4-POINT **6-POINT** **8-POINT**

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