



PROTECTIVE INDUSTRIAL PRODUCTS

It's time to move forward

For nearly 100 years the basic purpose of hard hats has remained the same – to help protect the head against impacts from falling objects from above.

While this is still critically important for construction and maintenance workers, data is now telling us that:

NEARLY 60% OF HEAD INJURIES

Are caused by Fall Accidents from higher levels or falls on the same level.

The Science of Head Injury



Concussions and Traumatic Brain Injuries are commonly the results of rotational force and strain to the brain.

Injury statistics demonstrate that when someone trips on a level surface, they are more likely to fall at an angle instead of directly on top of the head. This is due to the forward energy of motion that may extend to the head when hitting the hard ground surface. Over the past few years, science has shown that our brains are very sensitive to rotational forces.

IN THIS SCENARIO, CONVENTIONAL HARD HATS WITHOUT A CHIN STRAP WOULD LIKELY FLY OFF. A CHIN STRAP HELPS, BUT IS IT ENOUGH?

Introducing MIPS Technology

A LOW FRICTION LAYER DESIGNED TO HELP REDUCE THE SEVERITY OF HEAD INJURIES

- At impact the Mips® Safety System is designed to help reduce the amount of rotational force transferred to the head by redirecting the forces that are generated by the impact
- The Mips® Safety System allows for a 10-15 mm relative movement between the helmet and the head during the critical first 5-10ms of the impact
- It is not uncommon that the point load on the head/helmet at impact is at 2,200 lbs. – the Mips® Safety System is designed to allow the helmet to move even under this kind of pressure



Traverse Safety Helmets



IN STOCK NOW

Non-Vented
280-HP1491R

AVAILABLE FEBRUARY

Vented
280-HP1491RVM

Features

- Super lightweight ABS/Polycarbonate shell for wearer comfort
- Low frictional layer designed to reduce rotational motion transferred to the head from angled impacts
- EPS foam impact liner helps absorb the forces of front, side, or rear impacts
- 4-point quick-release suspension for a proper fit
- Sure-lock wheel ratchet for an effortless fit
- Inner padding for added comfort
- Traverse™ specific accessory slots and universal accessory slots on side of safety

Colors Available



ANSI Z89.1
Industrial Head Protection

AND

EN 12492
Mountaineering Equipment Standard

TYPE II
3rd Party Certified
Force Transmission
must be less than an average of 831 lb/ft

Shock Absorbing Capacity
(Clauses 4.2.1.2; 4.2.1.3; 4.2.1.4)
Must be less than 2,248 lb/ft

4 Off Center Penetration Tests
Front, Back and Sides

Retention System Strength
(Clause 4.2.3)

Impact Energy Attenuation
Maximum attenuation shall not exceed 150g

Effectiveness of the Retention System
(Clause 4.2.4)

PENETRATION
2.2 lbs. at 23 ft/s

PENETRATION
6 lbs. at 3.28 ft

IMPACT ABSORPTION
8 lbs. at 18 ft/s

SHOCK ABSORPTION
11 lbs. at 1.64 ft

Contact your SSI Representative for all your PIP Needs!

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