




PROTECTIVE INDUSTRIAL PRODUCTS

TRAVERSETM SAFETY HELMETS

FEATURING MIPS[®] TECHNOLOGY

www.pipusa.com

Mips

A full-page background image featuring three construction workers. In the foreground, a man in a white hard hat, safety glasses, and a high-visibility yellow vest holds a large adjustable wrench. Behind him, another man in a white hard hat and safety glasses stands with his arms crossed. To the right, a third man in a black hard hat and a black-and-white photo of a smiling man in a hard hat are visible. The background shows a construction site with a tall building under construction and a crane.

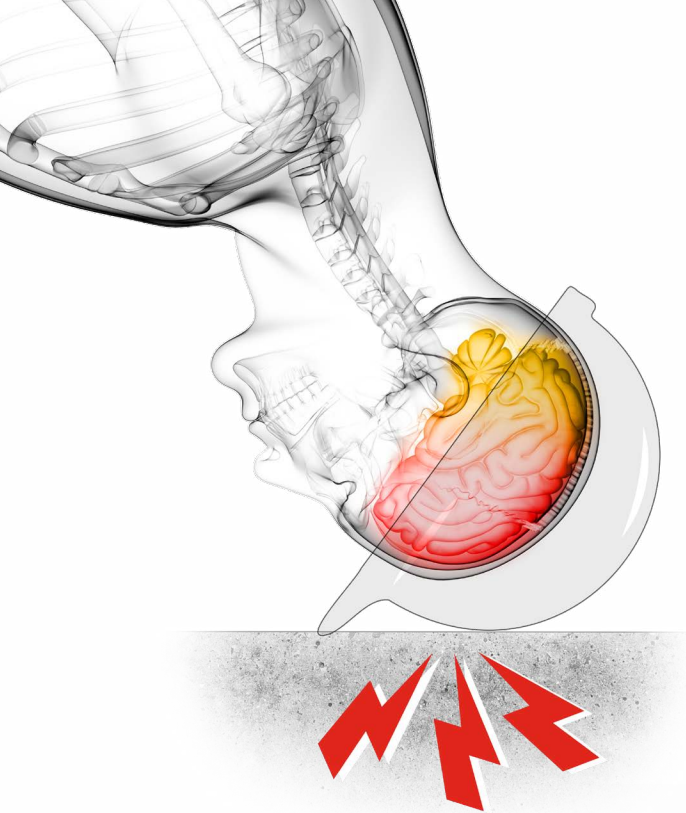
For nearly 100 years the basic purpose of hard hats has remained the same – to help protect the head against impacts from falling objects from above.

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

IT'S TIME TO
MOVE FORWARD



The Science of Head Injury

CONCUSSIONS AND TRAUMATIC BRAIN INJURIES ARE COMMONLY THE RESULT 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.

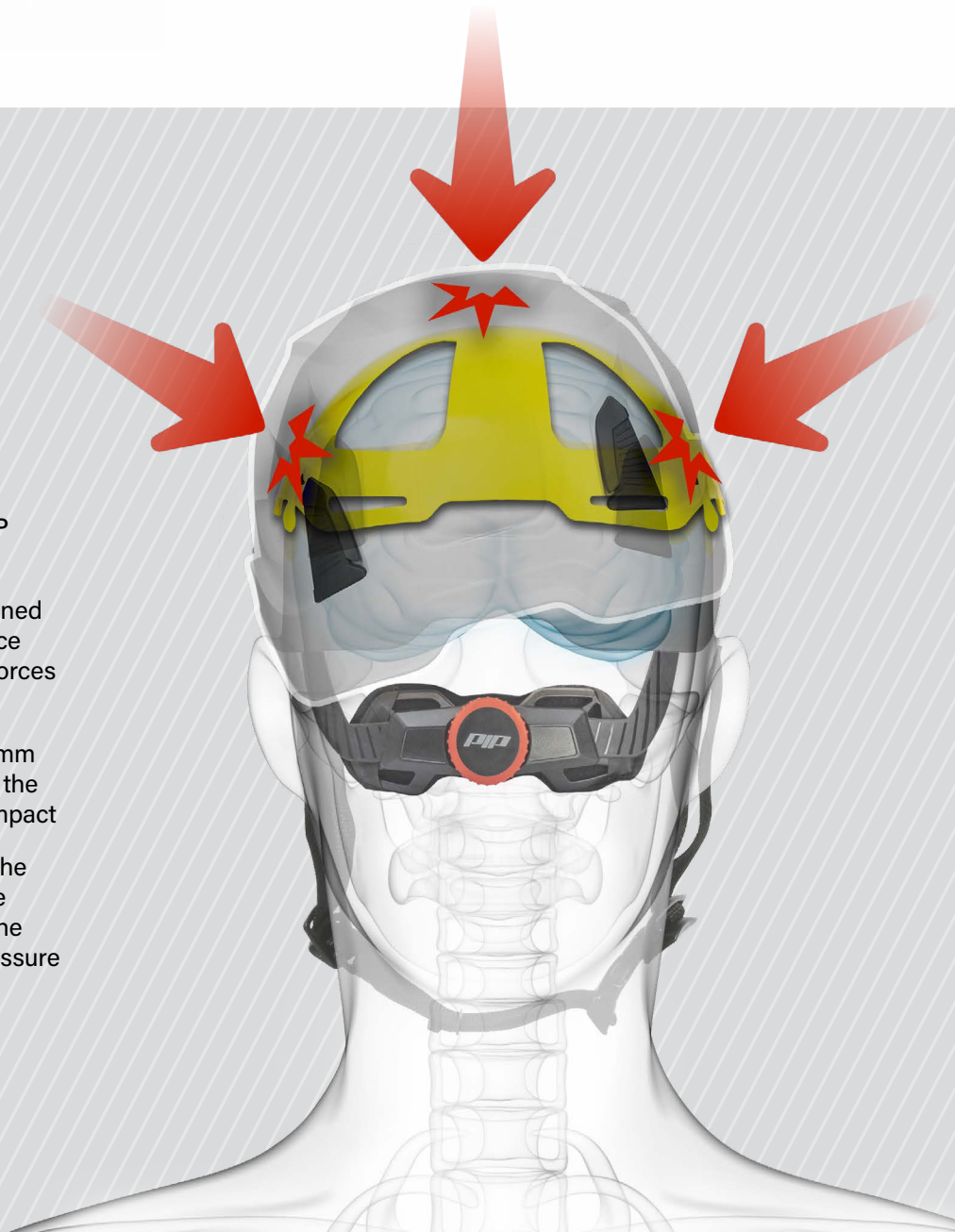
IN THIS SCENARIO, CONVENTIONAL HARD HATS WITHOUT A CHIN STRAP WOULD LIKELY FLY OFF. A CHIN STRAP HELPS, BUT IS IT ENOUGH?

Mips

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



PIP® Traverse™ Safety Helmet Meets Both:



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*

4 Off Center Penetration Tests

Front, Back and Sides

Impact Energy Attenuation

*Maximum attenuation shall
not exceed 150g*

Shock Absorbing Capacity

(Clauses 4.2.1.2; 4.2.1.3; 4.2.1.4)

Must be less than 2,248 lb/ft

Retention System Strength

(Clause 4.2.3)

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



Mips

MULTI-DIRECTIONAL
IMPACT PROTECTION



PIP® Traverse™ Safety Helmet - Mips®



ALSO AVAILABLE IN
A VENTED OPTION

280-HP1491RVM

Vented Shell

ANSI

Z89.1

EN

12492*

IMPACT TYPE

II

ELECTRICAL CLASS

C

Mips



280-HP1491RM

Non-Vented Shell

- 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 helmet

ANSI

Z89.1

EN

12492*

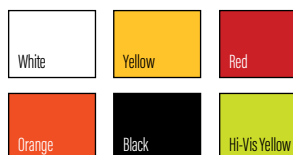
IMPACT TYPE

II

ELECTRICAL CLASS

E

COLORS AVAILABLE



STYLE NUMBER	SIZE ADJUSTMENT	SHELL	COLOR	SHELL MATERIAL	ANSI Z89.1	EN 12492	ELECTRICAL CLASS
280-HP1491RM-01	Sure-Lock Wheel Ratchet	Non-Vented	White	ABS / Polycarbonate	Type II	Yes	Class E
280-HP1491RM-02	Sure-Lock Wheel Ratchet	Non-Vented	Yellow	ABS / Polycarbonate	Type II	Yes	Class E
280-HP1491RM-03	Sure-Lock Wheel Ratchet	Non-Vented	Orange	ABS / Polycarbonate	Type II	Yes	Class E
280-HP1491RM-11	Sure-Lock Wheel Ratchet	Non-Vented	Black	ABS / Polycarbonate	Type II	Yes	Class E
280-HP1491RM-15	Sure-Lock Wheel Ratchet	Non-Vented	Red	ABS / Polycarbonate	Type II	Yes	Class E
280-HP1491RM-44	Sure-Lock Wheel Ratchet	Non-Vented	Hi-Vis Yellow	ABS / Polycarbonate	Type II	Yes	Class E
280-HP1491RVM-01	Sure-Lock Wheel Ratchet	Vented	White	ABS / Polycarbonate	Type II	Yes	Class C
280-HP1491RVM-02	Sure-Lock Wheel Ratchet	Vented	Yellow	ABS / Polycarbonate	Type II	Yes	Class C
280-HP1491RVM-03	Sure-Lock Wheel Ratchet	Vented	Orange	ABS / Polycarbonate	Type II	Yes	Class C
280-HP1491RVM-11	Sure-Lock Wheel Ratchet	Vented	Black	ABS / Polycarbonate	Type II	Yes	Class C
280-HP1491RVM-15	Sure-Lock Wheel Ratchet	Vented	Red	ABS / Polycarbonate	Type II	Yes	Class C
280-HP1491RVM-44	Sure-Lock Wheel Ratchet	Vented	Hi-Vis Yellow	ABS / Polycarbonate	Type II	Yes	Class C

*EN12492: SHOCK ABSORBING CAPACITY (CLAUSES 4.2.1.2; 4.2.1.3; 4.2.1.4), RETENTION SYSTEM STRENGTH (CLAUSE 4.2.3), EFFECTIVENESS OF THE RETENTION SYSTEM (CLAUSE 4.2.4)



Custom Accessory Options

FOR PIP® TRAVERSE™ SAFETY HELMET

All Accessories Sold Separately

EYE SHIELD PROTECTOR



251-HP1491P
Eye Shield Protector – *Smoke*

- Protects the eye shield from scratches
- Has a mounting slot on protector to allow headlamp to be worn

EYE SHIELD



251-HP1491C
Clear

Eye Shield

- Provides eye protection against hazards
- Scratch resistant and anti-fog



251-HP1491G
Smoke Gray

Accessories

STYLE NUMBER	DESCRIPTION
251-HP1491C	Eye Shield – Clear
251-HP1491G	Eye Shield – Smoke Gray
251-HP1491P	Eye Shield Protector – Smoke
280-HP1491VC	Vent Covers
280-HP1491NS	Neck Sunshade
280-HP1491SUN	Sun Brim Extension
280-HP1491KIT	Reflective Decal Kit
280-HP1491BAGD	Deluxe Storage Bag
280-HP1491BAGB	Basic Storage Bag
280-HP1491TAG	Name Tag Holder
Replacement Parts	
280-HP1491LCR	Replacement Lamp Clips – Red
280-HP1491LCG	Replacement Lamp Clips – Dark Gray
280-1491CS	Replacement 4-Point Chinstrap
280-HP1491PAD	Replacement Pad Kit
251-HP1491PC	Eye Shield Protector Connector



SUN BRIM



280-HP1491SUN Sun Brim Extension

- Brim clips onto the front of the helmet for additional protection from the sun or rain
- Easy on/off clips

REFLECTIVE DECAL KIT



280-HP1491KIT Reflective Decal Kit – Silver

- Reflective sticker kit for increased visibility at night
- Only available in silver

NECK SUNSHADE



280-HP1491NS Neck Sunshade

- Provides sun and rain protection for the neck
- Made from hi-vis ripstop material with reflective striping

VENT COVERS



280-HP1491VC Vent Covers

- Made from TPR
- Close vents on top of helmet to protect against rain

STORAGE BAGS



280-HP1491BAGB Basic Storage Bag

- Drawstring bag
- Soft bag to protect against damage during storage and transport



280-HP1491BAGD Deluxe Storage Bag

- Zippered storage bag to easily hang and store product to protect from damage during storage and transport
- Identification label on front of bag

NAME TAG HOLDER



280-HP1491TAG Name Tag Holder

- Easy to install plastic name tag holder to allow for quick identification of the worker
- Weather resistant

REPLACEMENT PARTS



280-HP1491LCR **280-HP1491LCG** *Red* *Dark Gray*

Replacement Lamp Clips

- Pack of 4
- Universal strap holder for head lamp



251-HP1491PC Replacement Eye Shield Protector Connector

- Replacement clips to connect the eye shield to the helmet
- Pack of 2



280-HP1491PAD Replacement Pad Kit

- 3-piece replacement padding set
- Crown, front and rear padding



PROTECTIVE INDUSTRIAL PRODUCTS, INC.

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