TRAVERSE™ SAFETY HELMETS

FEATURING MIPS® TECHNOLOGY

www.pipusa.com

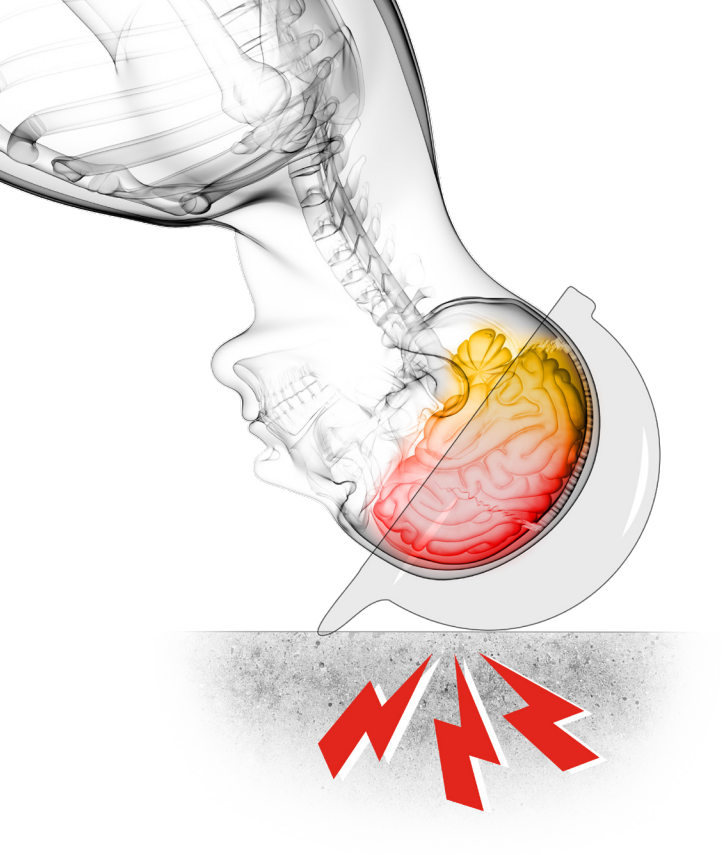
For nearly 100 years the basic purpose of hard hats has remained the same – to help protect the head against impacts from falling objects from above.

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.

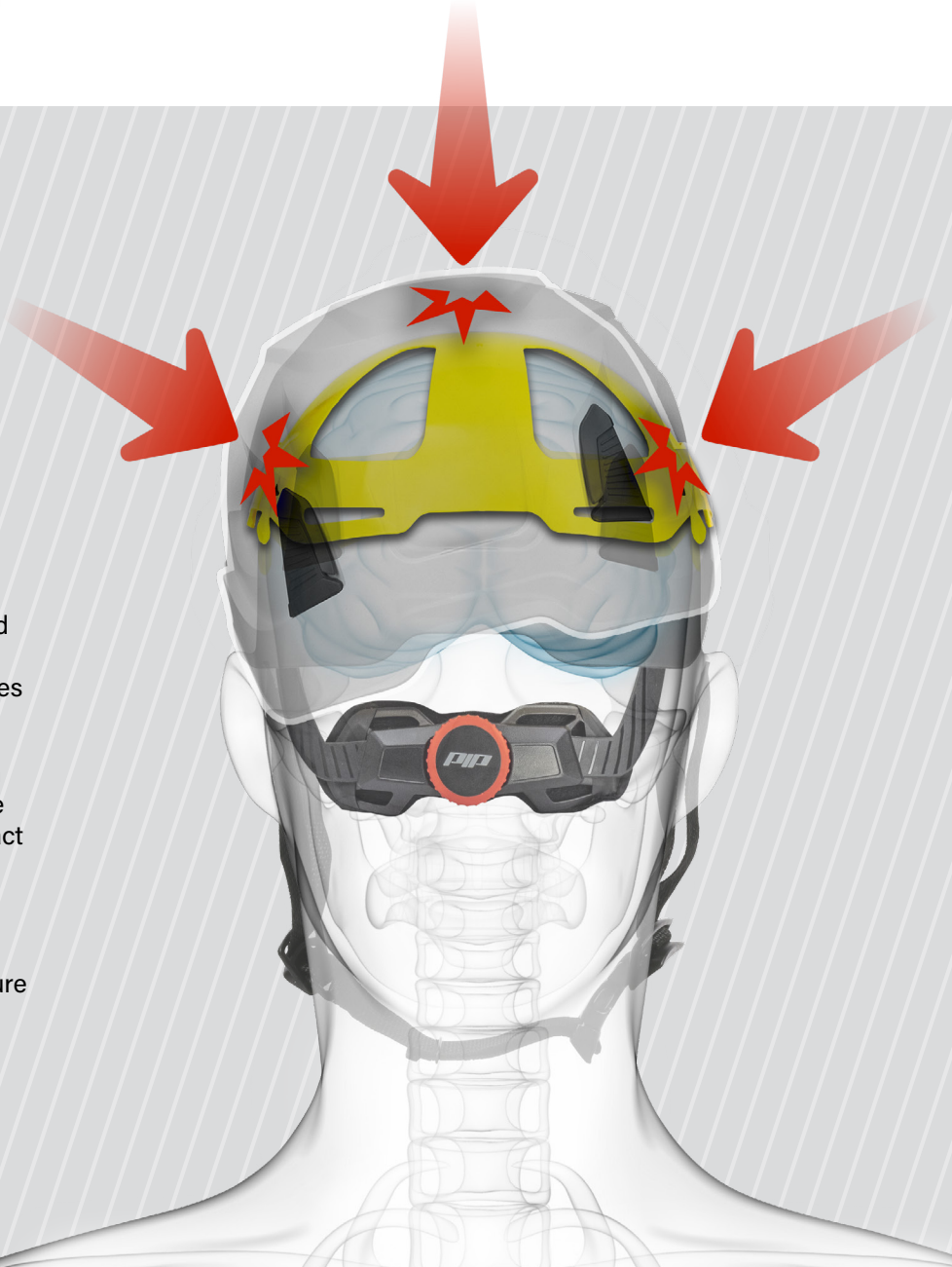
IN THIS SCENARIO, CONVENTIONAL HARD HATS WITHOUT A CHIN STRAP WOULD LIKELY FLY OFF. A CHIN STRAP HELPS, BUT IS IT ENOUGH?

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

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

PENETRATION
2.2 lbs. at 23 ft/s

IMPACT ABSORPTION
8 lbs. at 18 ft/s

AND

EN 12492

Mountaineering Equipment Standard

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
6 lbs. at 3.28 ft

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	EN
Z89.1	12492*
IMPACT TYPE	ELECTRICAL CLASS
II	C

280-HP1491RM
Non-Vented Shell

- Super lightweight ABS 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 chin strap 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

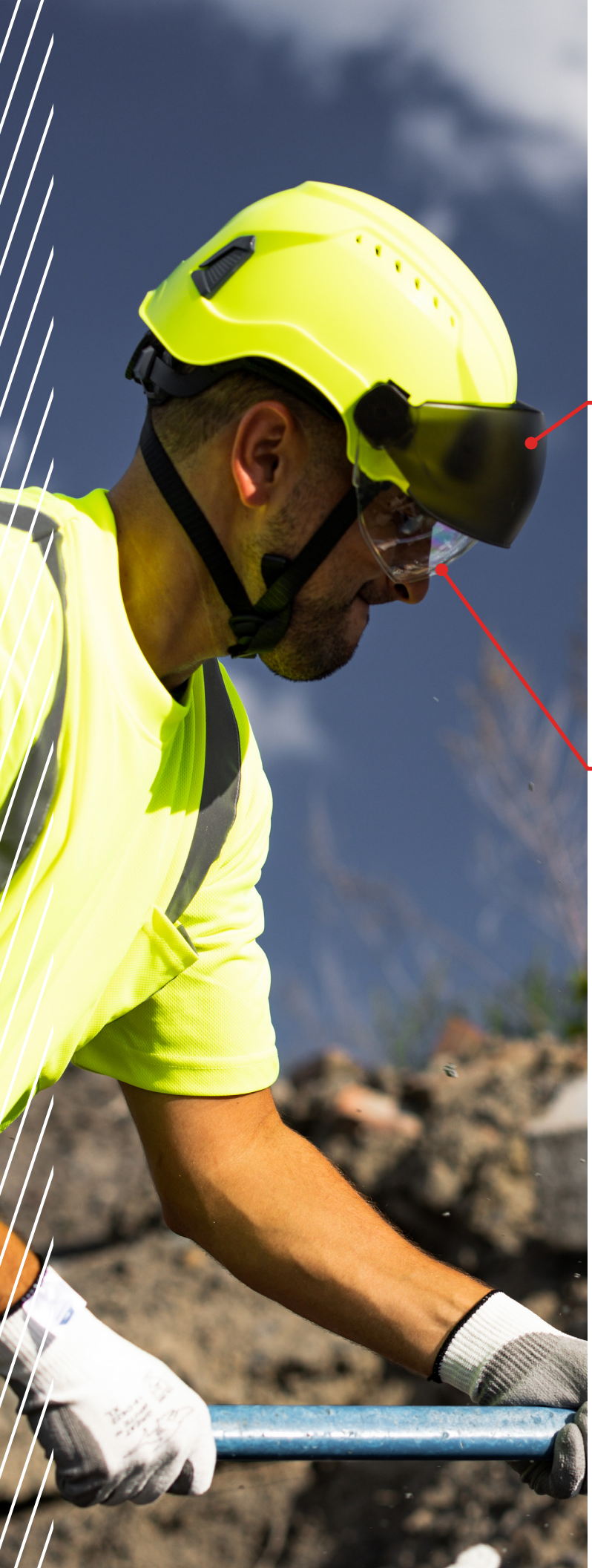
ANSI	EN
Z89.1	12492*
IMPACT TYPE	ELECTRICAL CLASS
II	E

COLORS AVAILABLE

White	Yellow	Red
Orange	Black	Hi-Vis Yellow
Gray	Dark Green	Navy Blue

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	Type II	Yes	Class E
280-HP1491RM-02	Sure-Lock Wheel Ratchet	Non-Vented	Yellow	ABS	Type II	Yes	Class E
280-HP1491RM-03	Sure-Lock Wheel Ratchet	Non-Vented	Orange	ABS	Type II	Yes	Class E
280-HP1491RM-04	Sure-Lock Wheel Ratchet	Non-Vented	Dark Green	ABS	Type II	Yes	Class E
280-HP1491RM-08	Sure-Lock Wheel Ratchet	Non-Vented	Navy Blue	ABS	Type II	Yes	Class E
280-HP1491RM-09	Sure-Lock Wheel Ratchet	Non-Vented	Gray	ABS	Type II	Yes	Class E
280-HP1491RM-11	Sure-Lock Wheel Ratchet	Non-Vented	Black	ABS	Type II	Yes	Class E
280-HP1491RM-15	Sure-Lock Wheel Ratchet	Non-Vented	Red	ABS	Type II	Yes	Class E
280-HP1491RM-44	Sure-Lock Wheel Ratchet	Non-Vented	Hi-Vis Yellow	ABS	Type II	Yes	Class E
280-HP1491RVM-01	Sure-Lock Wheel Ratchet	Vented	White	ABS	Type II	Yes	Class C
280-HP1491RVM-02	Sure-Lock Wheel Ratchet	Vented	Yellow	ABS	Type II	Yes	Class C
280-HP1491RVM-03	Sure-Lock Wheel Ratchet	Vented	Orange	ABS	Type II	Yes	Class C
280-HP1491RVM-04	Sure-Lock Wheel Ratchet	Vented	Dark Green	ABS	Type II	Yes	Class C
280-HP1491RVM-08	Sure-Lock Wheel Ratchet	Vented	Navy Blue	ABS	Type II	Yes	Class C
280-HP1491RVM-09	Sure-Lock Wheel Ratchet	Vented	Gray	ABS	Type II	Yes	Class C
280-HP1491RVM-11	Sure-Lock Wheel Ratchet	Vented	Black	ABS	Type II	Yes	Class C
280-HP1491RVM-15	Sure-Lock Wheel Ratchet	Vented	Red	ABS	Type II	Yes	Class C
280-HP1491RVM-44	Sure-Lock Wheel Ratchet	Vented	Hi-Vis Yellow	ABS	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

251-HP1491P
Eye Shield Protector
Smoke

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

280-HP1491FSUN
360 Degree
Fabric Sunshade

251-HP1491C
Clear

251-HP1491G
Smoke Gray

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

251-HP1491PFS
Polycarbonate
Faceshield Set

280-HP1491KIT
Reflective Decal Kit
Silver

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

280-HP1491VC
Vent Covers

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

280-HP1491NS
Neck Sunshade

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

Head lamp not included and is not sold by PIP®

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

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

280-HP1491TAG
Name Tag Holder

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

REPLACEMENT PARTS

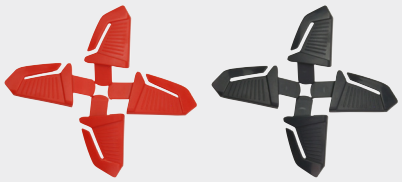
251-HP1491PF
Polycarbonate

251-HP1491MF
Metal Mesh

Replacement Faceshields

251-HP1491B
Replacement Faceshield Bracket

280-HP1491CS
Replacement 4-Point Chinstrap



280-HP1491LCR
Red

280-HP1491LCG
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

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