



# HEAD PROTECTION HANDBOOK



**SOLUTIONS, SUPPORT AND OUR COMPLETE HEAD PROTECTION LINE-UP**



# WE'VE GOT YOUR CRANIUM COVERED

Whatever skullduggery abounds on the job, we've got your cranium covered with head protection built for uncompromising comfort and protection in a hard knock life.

VIEW OUR FULL HEAD PROTECTION LINE-UP AT [ergodyne.com/head-protection](http://ergodyne.com/head-protection)

## TABLE OF CONTENTS

**STANDARDS + COMPLIANCE** PG. 4-5

**MIPS TECHNOLOGY** PG. 6-7

### **HARD HATS + SAFETY HELMETS**

TYPE 2 SAFETY HELMETS PG. 8-9

TYPE 1 HARD HATS PG. 10-11

TYPE 1 SAFETY HELMETS PG. 12-13


**CUSTOM LOGO PROGRAM** PG. 14-15

### **BUMP CAPS**

BUMP CAP INSERTS + HATS PG. 16-17

BUMP CAP KITS PG. 18-19

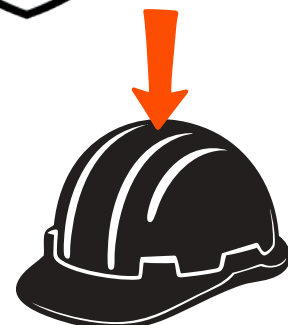
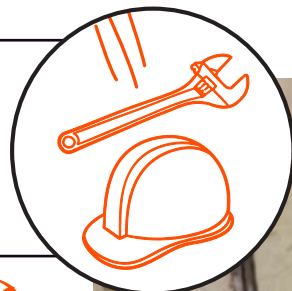
**ACCESSORIES** PG. 20-23

GO ONLINE FOR  **UP-TO-THE-NANOSECOND** UPDATES ON OUR HEAD PROTECTION COLLECTION!

# STANDARDS + COMPLIANCE



**ANSI/ISEA Z89.1-2014**  
(STUFF HITTING YOU)  
Standard for Industrial Head Protection



**TYPE 1**

REDUCES THE FORCE OF IMPACT FROM TOP OF HEAD



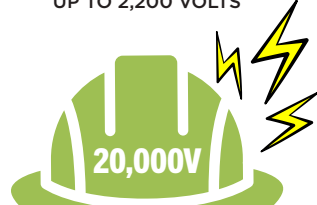
**CLASS C**

NO ELECTRICAL PROTECTION



**CLASS G**

PROTECTS AGAINST ELECTRICAL HAZARDS UP TO 2,200 VOLTS



**CLASS E**

PROTECTS AGAINST ELECTRICAL HAZARDS UP TO 20,000 VOLTS



**HARD HATS + SAFETY HELMETS**



**ANSI/ISEA 100**  
(40V HITTING STUFF)  
Industrial Bump Cap Standard



**BUMP CAPS**

The **ANSI/ISEA 100-2024** standard establishes performance requirements for bump caps.

**CLASSIFIED INTO:**

**LEVEL 1** (basic protection from stationary objects) + **LEVEL 2** (higher impact resistance)

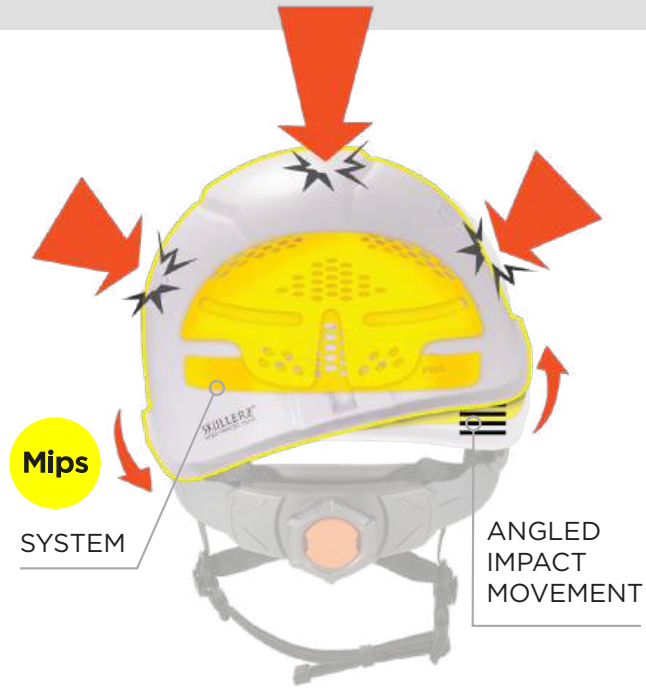
while ensuring benchmarks for impact protection, comfort and durability for environments where traditional hard hats aren't required





## HOW **Mips** WORKS

Mips® system is designed to redirect harmful rotation motion away from the head in certain angled impacts – **a danger not tested for in current hard hat & safety helmet standards.** Upon impact, this lightweight, unobtrusive layer slides in all directions to redirect rotational energy that otherwise could be transferred to the head and can increase the risk of brain injury.



Scan to see  
Mips® at work

# MIPS TECHNOLOGY

## ADDRESSING EVERY ANGLE

Designed to provide movement inside the helmet to help reduce rotational motion to the head in certain angled impacts, thereby lowering the risk of brain injuries.

# Ergodyne joins forces with Mips®

Ergodyne focuses on dangerous angled impacts with the launch of new safety helmets with Mips® safety system.

By adding Mips® technology to our best-selling Safety Helmets, we are taking a step aimed at helping to reduce the risk of more of the brain jarring and tearing that can ultimately lead to lifelong brain damage.

– Tim Gallant, Ergodyne Product Director

USED IN ERGODYNE  
TYPE II SAFETY HELMET



**Mips**

EVOLVE  
PRO

CORE ROTATIONAL  
PROTECTION +  
CUSTOM AIRFLOW  
COMFORT SYSTEM

**Mips**

ELEVATE  
CORE

CORE ROTATIONAL  
PROTECTION

USED IN  
ERGODYNE TYPE I  
SAFETY HELMETS



HEAD PROTECTION:

# TYPE 2

# SAFETY HELMETS



## TOTAL AIRHEAD ULTRA BREATHABLE



Folks who prefer our Safety Helmets are definitely missing something upstairs — namely the thick layer of heat-trapping foam commonly found in other safety helmets.



### “BAD LITTLE BUCKET”

The venting is easy to open and close [...] so your potato doesn't get baked.

- Ergodyne.com Review



### VS. LEADING COMPETITOR

THICK FOAM LAYER TRAPS HEAT + SWEAT



## CLASS C PROTECTION



**8964-MIPS**  
FULL BRIM SAFETY HELMET WITH MIPS TECHNOLOGY - TYPE 2, CLASS C



**8964**  
FULL BRIM SAFETY HELMET - TYPE 2, CLASS C



**8977 // 8977LED**  
SAFETY HELMET WITH ADJUSTABLE VENTING // AND LED LIGHT - TYPE 2, CLASS C



## CLASS E PROTECTION



**8963-MIPS**  
FULL BRIM SAFETY HELMET WITH MIPS TECHNOLOGY - TYPE 2, CLASS E



**8963**  
FULL BRIM SAFETY HELMET - TYPE 2, CLASS E



**8976 // 8976LED**  
SAFETY HELMET // AND LED LIGHT - TYPE 2, CLASS E



HEAD PROTECTION:

# TYPE 1 HARD HATS

Of course our Hard Hats are tested to meet and exceed industrial safety standards. That's a given. And yes, they're full of useful little details (like an optional removable LED lamp and slots for ear protection, face shields and other common accessories). But it's the comfort - by way of the perfectly balanced suspension, airy ventilation and size adjustment knob to dial in the perfect fit - that makes them the hard hat's crowning achievement.



## LIGHTWEIGHT // CLASS C PROTECTION



**8966**  
LIGHTWEIGHT CAP-STYLE HARD HAT WITH VENTING - TYPE 1, CLASS C



**8968**  
LIGHTWEIGHT FULL BRIM HARD HAT WITH VENTING - TYPE 1, CLASS C



## PREMIUM // CLASS C PROTECTION



**8972 // 8972LED**  
PREMIUM CAP-STYLE HARD HAT WITH ADJUSTABLE VENTING // AND LED LIGHT - TYPE 1, CLASS C



**8973 // 8973LED**  
PREMIUM FULL BRIM HARD HAT WITH ADJUSTABLE VENTING // AND LED LIGHT - TYPE 1, CLASS C

## LIGHTWEIGHT vs PREMIUM



**8966 LIGHTWEIGHT HARD HAT**  
*15% LIGHTER.  
100% CONFIDENCE.*  
A LIGHTWEIGHT PACKAGE BUILT ON THE SAME STANDARD OF SAFETY.

**8972 PREMIUM HARD HAT**  
*THE LID OF LUXURY*  
CUSHIER PADDING, ADJUSTABLE VENTING AND A FIT AS BALANCED AS A PROPERLY RIGGED LOAD.

## CAP STYLE vs FULL-BRIM



CAN BE WORN BACKWARDS

BRIM EXTENDS AROUND ENTIRE HARD HAT

SMALL BILL TO KEEP SUN AND RAIN OUT OF EYES

## LIGHTWEIGHT // CLASS E PROTECTION



**8967**  
LIGHTWEIGHT CAP-STYLE HARD HAT - TYPE 1, CLASS E



**8969**  
LIGHTWEIGHT FULL BRIM HARD HAT - TYPE 1, CLASS E



## PREMIUM // CLASS E PROTECTION



**8970 // 8970LED**  
PREMIUM CAP-STYLE HARD HAT // AND LED LIGHT - TYPE 1, CLASS E

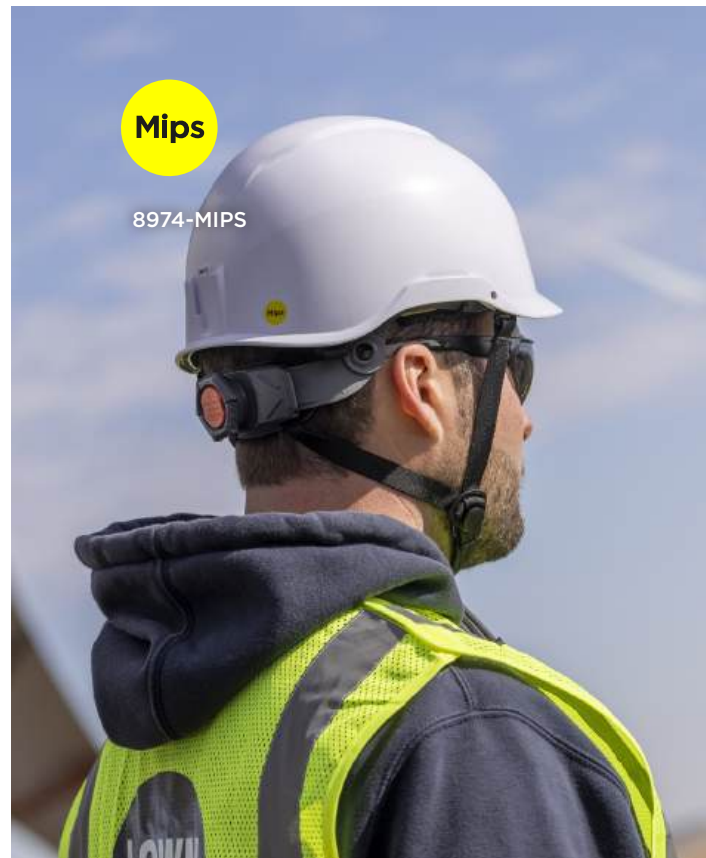


**8971 // 8971LED**  
PREMIUM FULL BRIM HARD HAT // AND LED LIGHT - TYPE 1, CLASS E

HEAD PROTECTION:

# TYPE 1 SAFETY HELMETS

Everything you love about our classic Type 1 buckets—unbeatable comfort, balance and fit—with a climber-style brim for visibility and a secure strap that keeps safety in place upon impact. Blow this lid off? Not by the hairs of your chinny chin chin.



Mips

8974-MIPS



Mips | ELEVATE CORE

**8975-MIPS**  
SAFETY HELMET WITH MIPS TECHNOLOGY AND ADJUSTABLE VENTING - TYPE 1, CLASS C



Mips | ELEVATE CORE

**8974-MIPS**  
SAFETY HELMET WITH MIPS TECHNOLOGY - TYPE 1, CLASS E



CLASS C PROTECTION



8975LED

**8975**  
SAFETY HELMET WITH ADJUSTABLE VENTING - TYPE 1, CLASS C

**8975LED**  
SAFETY HELMET WITH LED LIGHT AND ADJUSTABLE VENTING - TYPE 1, CLASS C

**8975V**  
SAFETY HELMET WITH VISOR KIT AND ADJUSTABLE VENTING - TYPE 1, CLASS C



8975V



8974V

CLASS E PROTECTION



8974LED

**8974**  
SAFETY HELMET - TYPE 1, CLASS E

**8974LED**  
SAFETY HELMET WITH LED LIGHT - TYPE 1, CLASS E

**8974V**  
SAFETY HELMET WITH VISOR KIT - TYPE 1, CLASS E



8974V



ergodyne.com 800 225-8238



# CUSTOM LOGO PROGRAM

## Mmm...SMELLS LIKE TEAM SPIRIT



### HERE'S THE DRILL: CUSTOM LOGO PROGRAM

Our products come with designated logo locations, giving you flexible options to customize while maintaining a consistent look.

#### YOU GIVE US:

- Suitable digital art files or camera-ready artwork (EPS-format files work best but large, hi-res TIF or JPG files [3000 dpi] work too)
- All necessary PMS/Pantone colors
- Approval of a digital mock-up

#### WE GIVE YOU:

A product with a look all your own. Minimums vary based on the type of product. Don't worry, it's low.

Call Ergodyne Customer Support or your Sales Rep today to answer all your custom logo questions... we'll make it easy for you to look good!



FRONT - 8970



BACK - 8970

HEAD PROTECTION:

# BUMP CAP INSERTS + HATS

Head injuries don't just happen in hard hat zones. From auto shops to crawl spaces, nasty cuts, scrapes and ER bill\$\$\$ abound. Enter bump caps... made to protect you from the donks, dings and bell rings that leave you seeing stars and testing the limits of NSFW language.

TURN ANY HAT INTO BONK-PROOF PROTECTION!



## BUMP CAP INSERTS

**8945F(x)**  
UNIVERSAL BUMP CAP INSERT - EXTRA VENTING



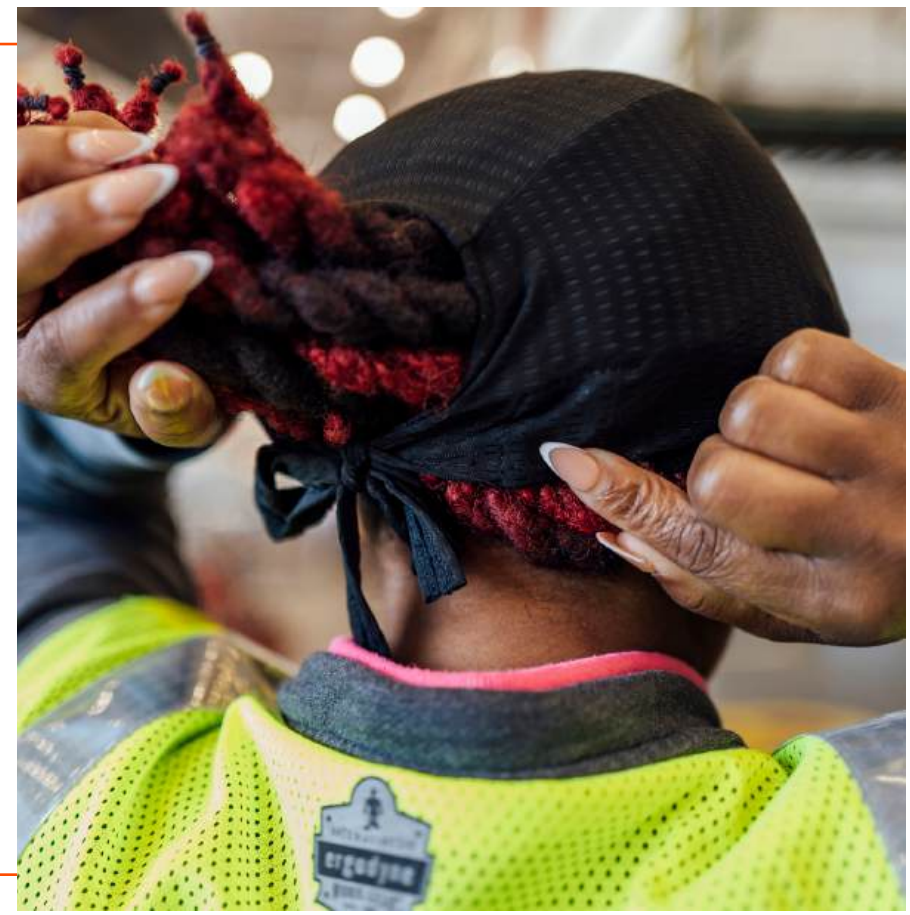
**8945**  
UNIVERSAL BUMP CAP INSERT



**8944**  
UNIVERSAL BUMP CAP INSERT - SOFT FOAM



**8943F(x)**  
UNIVERSAL BUMP CAP INSERT - FLEXIBLE HINGED



## HARD SHELL BUMP CAPS



**8951**  
VENTED HARD SHELL BUMP CAP



**8952**  
HARD SHELL BUMP CAP



**8953**  
HARD SHELL BUMP CAP SWEATBAND REPLACEMENT (10-PACK)



**8959**  
HARD SHELL BUMP CAP REPLACEMENT SUSPENSION

## BUMP CAP HATS



**8950 // 8950XL**  
BUMP CAP HAT



8950 ONLY



**8955**  
LIGHTWEIGHT BUMP CAP HAT



**8960**  
BUMP CAP HAT - LED LIGHTING



**8965**  
LIGHTWEIGHT BUMP CAP HAT - LED LIGHTING



## YOU'VE GOT OPTIONS

Three brim lengths let you choose the look and feel that's right for your job. The micro brim offers upward visibility while the long brim is great for blocking sun and bright overhead lighting. The short brim length offers both upward visibility and shade.



LONG BRIM

MICRO BRIM



**8965F(x)**  
RECHARGEABLE LED BUMP CAP



8965F(x)

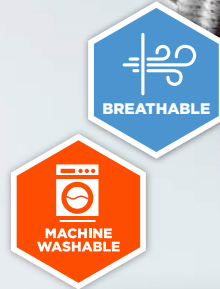
HEAD PROTECTION:

# BUMP CAP KITS

Whether you're keeping windchills at bay or blocking summer rays, we've paired our most popular headwear options with our best-selling bump cap inserts to help you knock heads with Mother Nature.



**8941**  
MESH TUBE AND BUMP CAP INSERT



**8947**  
LIGHTWEIGHT BASEBALL HAT  
AND BUMP CAP INSERT



**8948**  
MESH BANDANA AND  
BUMP CAP INSERT



**8957**  
LIGHTWEIGHT RANGER HAT AND  
BUMP CAP INSERT



**8946**  
STANDARD BASEBALL CAP AND  
BUMP CAP INSERT



**6803ZI**  
REFLECTIVE RIB KNIT WINTER HAT  
AND BUMP CAP INSERT



**6802ZI/Z**  
ZIPPERED TRAPPER HAT AND BUMP  
CAP INSERT

SIZING: S/M-L/XL



**6811ZI/Z**  
ZIPPERED RIB KNIT BEANIE HAT  
AND BUMP CAP INSERT



**6808ZI**  
ZIPPERED WINTER BEANIE HAT AND  
BUMP CAP INSERT



6802ZI

HEAD PROTECTION:

# HARD HAT ACCESSORIES

Our Hard Hats + Safety Helmets are a plug-and-play PPE system ready to accommodate a whole universe of accessories designed to help you build a better brain bucket.



**6614**  
MOISTURE-WICKING HARD HAT PAD KIT



**8886**  
WIDE BEAM HEADLAMP WITH HARD HAT MOUNT AND RECHARGEABLE POWER BANK



**8883**  
RECHARGEABLE HARD HAT ACCESSORY POWER BANK



**8978**  
INTRINSICALLY SAFE HEADLAMP LIGHT



**8993**  
MAGNETIC RECHARGEABLE HEADLAMP AND RED BEACON LIGHT



**6661**  
UNIVERSAL HARD HAT BRIM WITH NECK SHADE



**8885**  
RECHARGEABLE WIDE BEAM HEADLAMP WITH STRAP



**8981**  
MAGNETIC HEADLAMP LIGHT



**8987**  
RECHARGEABLE HEADLAMP LIGHT

DIRECT AIRFLOW UP OR DOWN

- LOW 12 HOURS
- HIGH 8 HOURS
- TURBO 6 HOURS

VIEW ALL HARD HAT ACCESSORIES HERE



**8884**  
HARD HAT MOUNTED FAN KIT



**6662**  
UNIVERSAL FR HARD HAT BRIM WITH NECK SHADE



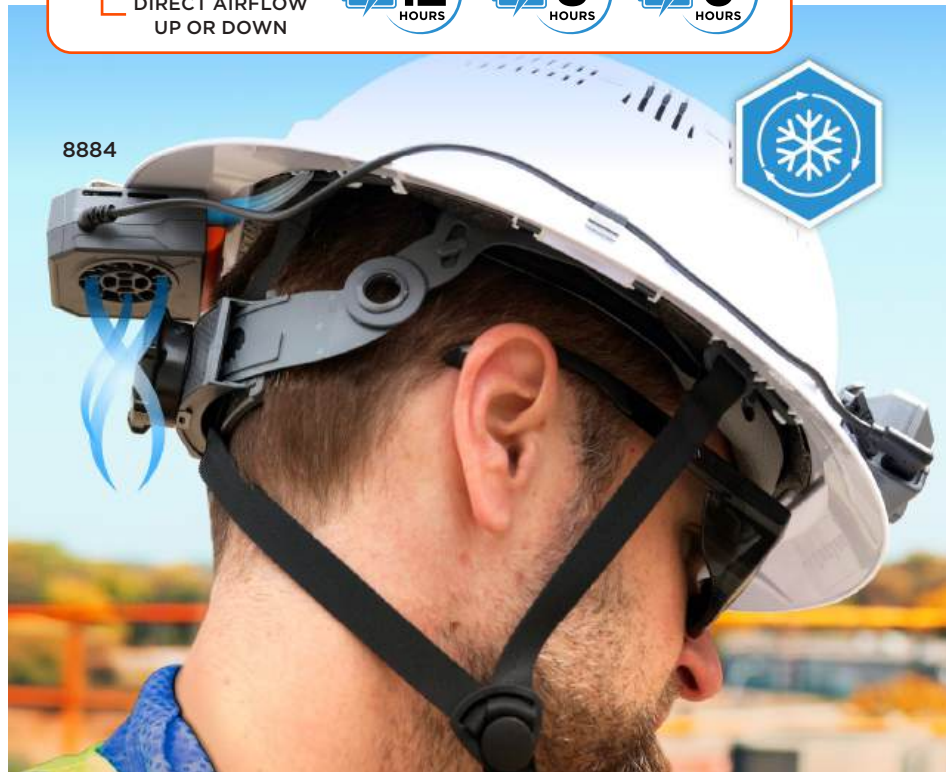
**8979**  
HEADBAND LIGHT MOUNT WITH SILICONE STRAP



**8980**  
HEADBAND LIGHT MOUNT WITH FABRIC STRAP



**8961**  
REFLECTIVE HARD HAT & SAFETY HELMET STICKER KIT



HEAD PROTECTION:

# HARD HAT ACCESSORIES

EARCUPS MOVE UP, DOWN, FORWARD AND BACKWARD FOR A CUSTOMIZED FIT

HELMET STYLE	dB coverage
Type 2 Full Brim Hard Hats:	27 dB
Type 1 or Type 2 Safety Helmets:	27 dB
Type 1 Full Brim Hard Hats:	25 dB
Type 1 or Type 2 Cap-Style Hard Hats:	25 dB

8881

FULL BRIM

CAP-STYLE

26dB

**8880**  
NRR 26DB HARD HAT MOUNTED EARMUFFS

NON-CONDUCTIVE

**8881**  
NON-CONDUCTIVE HARD HAT MOUNTED EARMUFFS - NRR 25-27DB

8991  
SAFETY HELMET VISOR

8994  
ANTI-SCRATCH & ANTI-FOG HARD HAT FACE SHIELD WITH ADAPTER FOR CAP-STYLE & SAFETY HELMET

8995  
ANTI-SCRATCH & ANTI-FOG HARD HAT FACE SHIELD WITH ADAPTER FOR FULL BRIM

8989  
MESH FACE SHIELD WITH ADAPTER FOR HARD HAT & SAFETY HELMET

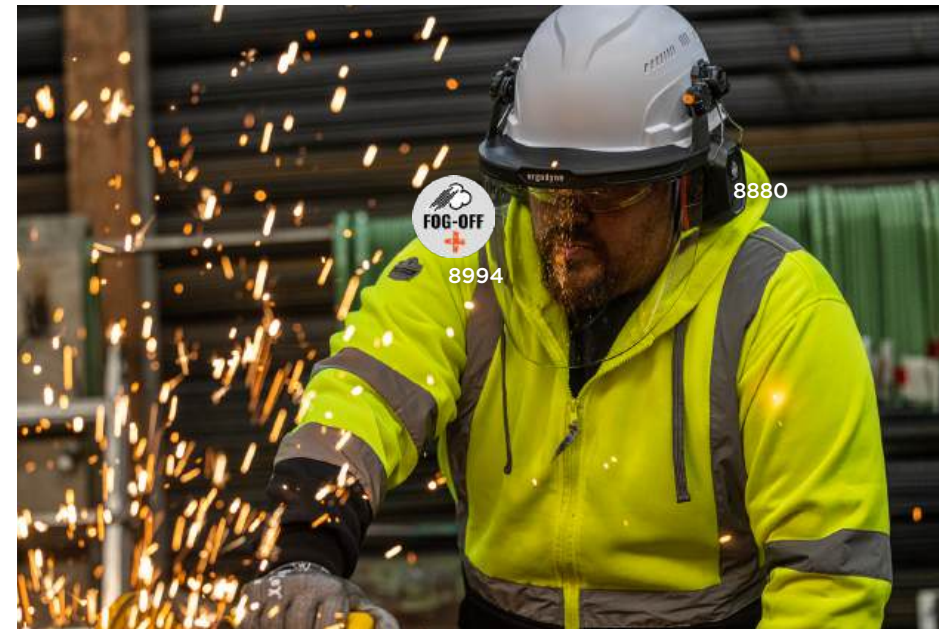
**FOG-OFF TECHNOLOGY**

ENHANCED ANTI-FOG + ANTI-SCRATCH PROTECTION

UV PROTECTION

ANTI-FOG

ANTI-SCRATCH





#### INTERGALACTIC HEADQUARTERS:

44° 58' 18.31" N 93° 09' 12.88" W ALT. 934 FT.  
1021 BANDANA BOULEVARD EAST  
SUITE 220 SAINT PAUL, MN, USA 55108

PHONE 651 642 9889 // 800 225 8238

ERGODYNE.COM

©2026 Tenacious Holdings Inc. All Rights Reserved. All Wrongs Reversed. Arsenal, Chill-Its, Ergodyne, Ergoman and design, Ergodyne badge logo, e logo, GloWear, KREW'D, N-Ferno, ProFlex, SHAX, Skullerz, Squids and TREX are registered trademarks of Tenacious Holdings Incorporated and protected in the U.S. and abroad. Make the Workplace a Betterplace, Tenacious Assault Vehicle, Tenacious Nation, THE NO BS SPF and Workday2Weekend are trademarks of Tenacious Holdings Incorporated. Trademarks of companies mentioned herein appear for identification purposes only and are the property of their respective companies. All other product names mentioned herein may be trademarks and/or registered trademarks of their respective owners.

Tenacious Holdings Inc. (dba Ergodyne) is a Klein Tools Company.

ergodyne®

**HEAD PROTECTION:  
WE'VE GOT YOUR  
CRANIUM COVERED**