

PERSONAL PROTECTIVE EQUIPMENT

VERTEX OUTFITTERS

GO WHERE OTHERS WON'T

WELCOME

PROTECT THE PEOPLE WHO DO THE WORK.

Hands, ears, head and eyes take the hits on every job site. This catalog covers the gloves, hearing protection, helmets and eyewear Vertex Outfitters carries for utility crews, linemen, arborists, public works, technical rescue, fire and industrial teams.

It also explains what the ratings mean. Each section opens with a guide to the standards, the levels and the layers inside the gear, so you can match the protection to the hazard instead of guessing.

Need help choosing, or outfitting a whole crew? Email **info@vertexoutfitters.net** or call **301-246-2336**.

SDVOSB **Service-Disabled Veteran-Owned**	MD VSBE **#89150**
UEI **WVWHBNHDUTW6**	CAGE **16MC9**

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HOW TO READ A PRODUCT

ANSI CUT **A5** — Rating tiles show the tested protection level for each product — what the number means is explained at the start of each section.

Color circles show every color we carry for that product.

M — Size chips list every size we stock.

VO- — Item numbers are Vertex SKUs. Search any of them on vertexoutfitters.net.



CUT · PUNCTURE · IMPACT · ARC · COLD · ROPE

HAND PROTECTION

Your hands are in every task and in front of every hazard. We carry gloves rated for cuts, punctures, impacts, arc flash, cold and rope friction, from 12-pair packs of crew gloves to SuperFabric rescue gloves.

HexArmor | Bear Knuckles | Magid | Armor Guys | Carolina Glove | KONG | Petzl | CMC | PMI | NRS | Yates

READ THE RATINGS // GLOVES

Every glove in this section lists its tested ratings in dark tiles. Here is what each one means.

ANSI/ISEA 105 CUT LEVEL — A1 TO A9

A blade is drawn across the material under increasing weight until it cuts through. The score is the weight in grams it took — the higher the A-level, the more force a cut needs.

A1	A2	A3	A4	A5	A6	A7	A8	A9
200–499 g	500–999 g	1,000–1,499 g	1,500–2,199 g	2,200–2,999 g	3,000–3,999 g	4,000–4,999 g	5,000–5,999 g	6,000+ g

A1–A3 · LIGHT
Material handling, small parts, packaging, general maintenance

A4–A6 · MODERATE TO HIGH
Sheet metal, glass, utility and construction work, metal stamping

A7–A9 · EXTREME
Sharp metal, extrication, heavy recycling, sheet glass, metal fabrication

PUNCTURE · 1 TO 5

ANSI/ISEA 105 probe test — how much force a pointed probe needs to push through. Level 5 is the highest. Puncture from a probe is not the same as needlestick resistance.

1	2	3	4	5

ABRASION · 0 TO 6

Cycles against an abrasive surface before the material wears through. Higher levels last longer handling rough materials, rope and concrete.

1	2	3	4	5	6

IMPACT · ANSI/ISEA 138 LEVEL 1 TO 3

A weight is dropped on the knuckles and fingers and the force passed through to the hand is measured. Level 3 lets the least force through. TPV/TPR guards without a level are listed as "TPV".

L1	L2	L3
≤ 9.0 kN	≤ 6.5 kN	≤ 4.0 kN

ARC FLASH · CAT 1 TO 4

Arc rating (ATPV) is the heat energy a glove blocks, in cal/cm^2. NFPA 70E PPE categories: CAT 1 ≥ 4, CAT 2 ≥ 8, CAT 3 ≥ 25, CAT 4 ≥ 40 cal/cm^2. Arc-rated leather is not voltage-rated insulation.

CAT 1	CAT 2	CAT 3	CAT 4

EN 388 — THE EUROPEAN CODE ON MANY GLOVES

Read it left to right. Example: **4X43EP**

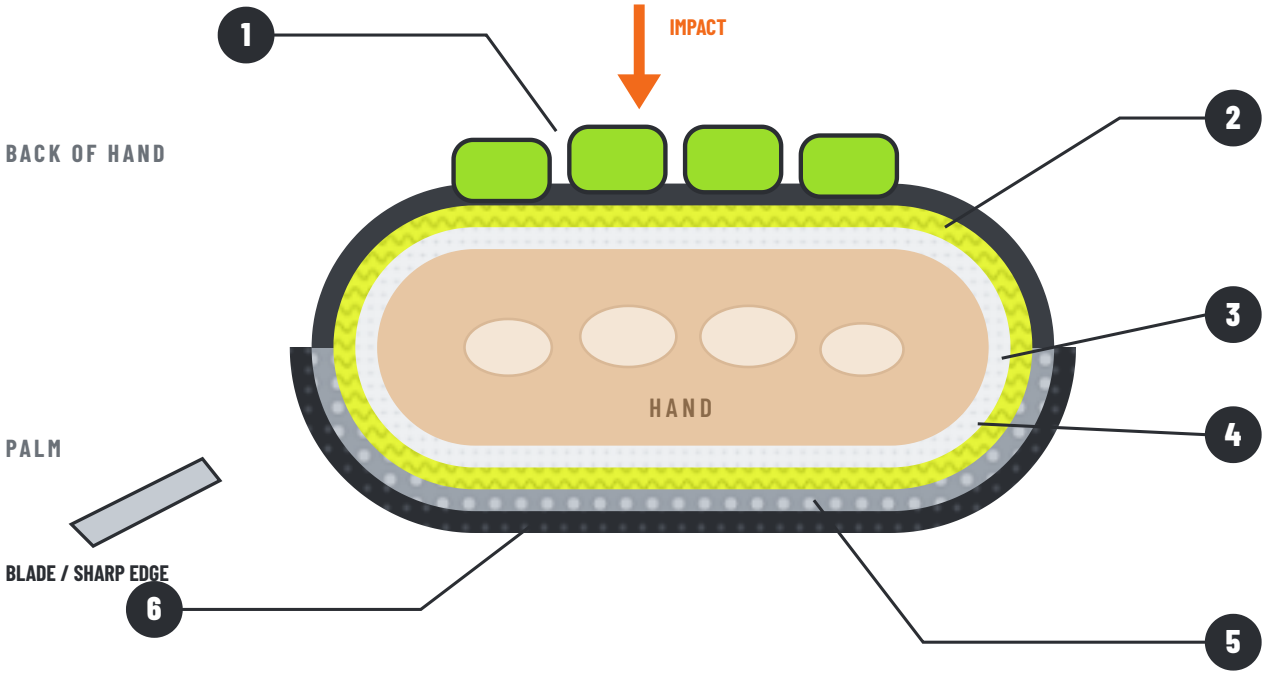
4	X	4	3	E	P
Abrasion 0–4	Coup cut 0–5 X = not tested	Tear 0–4	Puncture 0–4	ISO cut A–F	Impact P = pass

CONTACT HEAT

Contact heat levels show how long a glove holds back heat from a hot surface. Higher numbers handle hotter surfaces. Gloves rated here are not for open flame unless flame resistance is listed.

LAYERS OF PROTECTION

A cross-section through a high-protection glove. Each layer stops a different hazard.



1 IMPACT EXOSKELETON

Raised TPR/TPV guards over knuckles and fingers spread a blow and cut the force that reaches bone.

2 SHELL / BACK MATERIAL

Knit, mesh or leather that carries the guards and lets heat escape.

3 CUT-RESISTANT LINER

HPPE, aramid, steel or fiberglass-free blends knit into the glove. This layer earns most of the A-level.

4 COMFORT OR THERMAL LINING

Fleece or acrylic in winter gloves; smooth knit in thin gloves for feel.

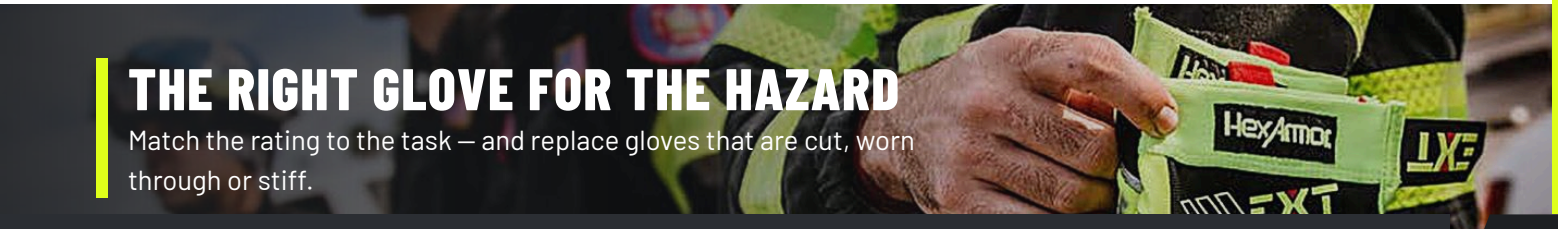
5 GUARD PLATES (PALM)

SuperFabric-type guard plates or extra leather under the palm add puncture and needle resistance.

6 GRIP LAYER (PALM)

Nitrile, latex, PVC dots or leather. Chosen for wet, dry or oily grip and abrasion.

HAZARD	WHAT TO LOOK FOR	START WITH
CUTS & SLASHES	A4 and up for sheet metal, glass and sharp edges; A6–A8 for extrication and heavy metal.	2028X · 4072 · 3026IMP · 4012 · TRX685
PUNCTURES	Puncture 4–5, or SuperFabric guard plates in the palm.	4091IMP · 4060 · 2021X · 5080/5081
IMPACT & PINCH	ANSI/ISEA 138 Level 1–2 back-of-hand guards for rigging, oilfield, rescue and heavy equipment.	2021X · 2028X · Sledgehammer SU375 · TRX743
ARC FLASH	Arc-rated leather for electrical work — worn over rubber insulating gloves where voltage protection is required.	Prime Time · Perfect Storm · HexArmor 4060 / 5081
COLD & WET	Insulated linings and full nitrile coatings keep hands warm and dry.	2059 · 04-545 · 04-314 · Hi-Vis Thermal
ROPE FRICTION	Leather or Kevlar palms resist heat and wear on lowers and rappels.	Cordex Plus · KONG · Yates · CMC



THE RIGHT GLOVE FOR THE HAZARD

Match the rating to the task — and replace gloves that are cut, worn through or stiff.

ANATOMY OF AN IMPACT GLOVE // RIG LIZARD 2021X

Where the protection sits on a typical cut-and-impact glove.



1 IMPACT EXOSKELETON
Sewn-on IR-X guards cover the knuckles and the back of each finger against smash and pinch hazards.

2 GRIP PALM
TP-X synthetic palm with reinforced stitching grips wet or dry and resists abrasion.

3 REINFORCED WEAR ZONES
Extra material on the index finger and thumb saddle, where gloves wear out first.

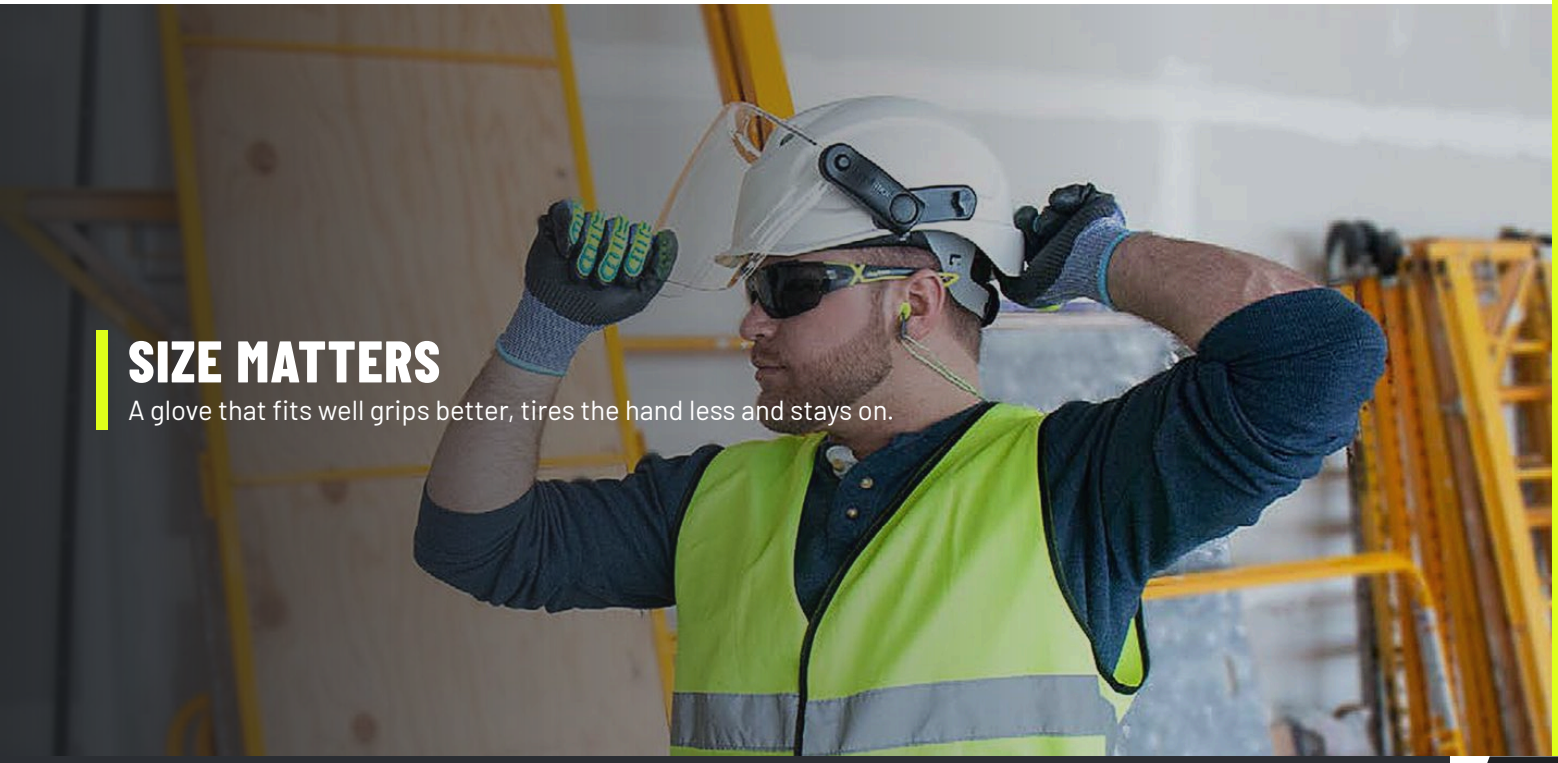
4 PULL-TAB LOOP
Helps pull the glove on and clip pairs together.

5 ELASTIC CUFF
Keeps debris out and the glove secure through the shift.

FIND YOUR GLOVE SIZE

Wrap a soft tape around your dominant hand at the widest part of the palm, just below the knuckles, thumb excluded. The number in a glove size — "L (9)" — is that measurement in inches. Between sizes? Size up for insulated or leather gloves, down for thin knit gloves. Fit varies by brand and style, so check the manufacturer chart for the exact glove.

SIZE	XS	S	M	L	XL	XXL	XXXL	4XL	5XL
Number	6	7	8	9	10	11	12	13	14
Palm around	6"–7"	7"–8"	8"–9"	9"–10"	10"–11"	11"–12"	12"–13"	13"–14"	14"–15"



SIZE MATTERS

A glove that fits well grips better, tires the hand less and stays on.

CUT & IMPACT GLOVES

High cut levels plus back-of-hand impact protection for rigging, oilfield, construction, utility and rescue work.



HEXARMOR

RIG LIZARD // 2021X

ANSI CUT	PUNCTURE	ABRASION	IMPACT	CONT. HEAT	EN 388
A3	4	4	2	3	3X43BP

- Sewn-on IR-X impact exoskeleton protects knuckles and fingers from smash and pinch hazards
- TP-X palm with reinforced stitching grips wet or dry; reinforced index finger and thumb saddle
- Pre-curved, high-dexterity fit; hi-vis colorway, pull-tab loop, launderable

SIZES XS (6) | S (7) | M (8) | L (9) | XL (10) | XXL (11) | XXXL (12)

ITEM # VO-HEX-2021X-XS / -S / -M / -L / -XL / -XXL / -XXXL — order as -Pr pair · -12P 12 pr · -36C 36 pr



HEXARMOR

RIG LIZARD // 2028X

ANSI CUT	PUNCTURE	ABRASION	IMPACT	CONT. HEAT	EN 388
A6	1	4	2	3	3X43EP

- HPPE/steel blend palm liner delivers A6 cut resistance under the grip layer
- MudGrip palm — synthetic leather with PVC dots — for dry and light-oil handling
- IR-X impact exoskeleton, reinforced TP-X index finger and thumb saddle, hook-and-loop cuff

SIZES XS (6) | S (7) | M (8) | L (9) | XL (10) | XXL (11) | XXXL (12)

ITEM # VO-HEX-2028X-XS / -S / -M / -L / -XL / -XXL / -XXXL — order as -Pr pair · -12P 12 pr · -36C 36 pr



HEXARMOR

HELIX // 3026IMP

ANSI CUT	PUNCTURE	ABRASION	IMPACT
A7	2	3	2

- Ultra-thin 21-gauge HPPE and metal-fiber shell gives 360° A7 cut protection
- IR-X exoskeleton absorbs and redirects up to 80% of impact energy (manufacturer data)
- Foam nitrile palm, reinforced thumb saddle, touchscreen, fiberglass-free, launderable

SIZES XXS (5) | XS (6) | S (7) | L (9) | XL (10) | XXXL (12)

ITEM # VO-HEX-3026-XXS / -XS / -S / -L / -XL / -XXXL — order as -12P 12 pr · -72C 72 pr



HEXARMOR

EXT RESCUE // 4012

ANSI CUT	PUNCTURE	ABRASION	IMPACT	CONT. HEAT	EN 388
A8	2	6	2	2	4X41FP

- SuperFabric layer inside the palm and fingers resists cuts, lacerations and punctures
- Back-of-hand impact system for vehicle extrication, USAR and technical rescue
- TP-X palm with reinforced stitching; elastic hook-and-loop wrist; hi-vis; washable

SIZES XS (6) | S (7) | M (8) | L (9) | XL (10) | XXL (11)

ITEM # VO-HEX-4012-XS / -S / -M / -L / -XL / -XXL — order as -Pr pair

CUT & IMPACT GLOVES // CONTINUED



HEXARMOR

CHROME SERIES IRONHIDE // 4091IMP

ANSI CUT	PUNCTURE	ABRASION	IMPACT	CONT. HEAT	EN 388
A8	5	6	2	2	4X44FP

- IronHide leather palm over a SuperFabric interior layer — our highest puncture rating
- OilGuard-treated leather; breathable HexVent back with impact protection
- SlipFit cuff with hook-and-loop closure; touchscreen index fingertip

SIZES XS (6) · S (7) · M (8) · L (9) · XL (10) · XXL (11) · XXXL (12)

ITEM # VO-HEX-4091IMP-XS / -S / -M / -L / -XL / -XXL / -XXXL — order as -E pair



MAGID

T-REX FLEX // TRX400

ANSI CUT	PUNCTURE	ABRASION	IMPACT
A1	2	4	1

- General-purpose impact glove: flexible TPR protection across the back of the hand, fingers and fingertips
- 13-gauge seamless polyester shell with NitriX sandy nitrile palm for grip
- Machine washable; orange shell

SIZES S · M · L · XL · XXL · XXXL

ITEM # VO-MAG-TRX400S / M / L / XL / XXL / XXXL — order as (no suffix) pair · -12P 12 pr · -72C 72 pr



MAGID

T-REX FLEX // TRX685 AERODEX

ANSI CUT	PUNCTURE	ABRASION	IMPACT
A6	3	6	2

- 18-gauge AeroDex shell is about 50% lighter than HPPE with equal cut protection (manufacturer data)
- M-Force TPR impact protection; NitriX sandy nitrile palm
- Touchscreen on all fingers; machine wash cold

SIZES S · M · L · XL · XXL

ITEM # VO-MAG-TRX685-S / -M / -L / -XL / -XXL — order as (no suffix) pair · -12P · -72C



MAGID

T-REX WINDSTORM // TRX743

ANSI CUT	PUNCTURE	ABRASION	IMPACT
A6	4	4	2

- Foam- and gel-padded goatskin palm with para-aramid cut protection
- Hi-vis green CoolMesh back for airflow; TPR guards on fingers, knuckles and thumb web
- Gauntlet-style slip-on cuff with hook-and-loop closure

SIZES XXS · XS · S · M · L · XL · XXL · XXXL · XXXXL

ITEM # VO-MAG-TRX743XXS / XS / S / M / L / XL / XXL / XXXL / XXXXL — order as (no suffix) pair · -12P · -72C

CUT & IMPACT GLOVES // CONTINUED



MAGID

T-REX REBEL // TRX814

ANSI CUT	PUNCTURE	ABRASION	IMPACT	CONT. HEAT
A6	3	3	2	2

- Traditional goatskin driver with a stitched-in para-aramid liner
- M-Force TPR impact guards from knuckles to fingertips
- Contact heat Level 2 (ASTM F1060); shirred elastic slip-on cuff

SIZES XS | S | M | L | XL | XXL | XXXL | XXXXL

ITEM # VO-MAG-TRX814XS / S / M / L / XL / XXL / XXXL / XXXXL — order as (no suffix) pair · -12P · -48C 48 pr



ARMOR GUYS

KYORENE PRO // 00-857

ANSI CUT	IMPACT	EN 388
A5	TPV	4443E

- 15-gauge Kyorene Pro graphene liner with A5 cut resistance
- TPV back-of-hand impact protection; reinforced thumb crotch
- Black HCT MicroFoam nitrile palm; touchscreen compatible

SIZES XS | S | M | L | XL | 2X | 3X | S-M | L-XL

ITEM # VO-AG-00-857-XS / -S / -M / -L / -XL / -2X / -3X / -S-M / -L-XL — order as 24 pr



ARMOR GUYS

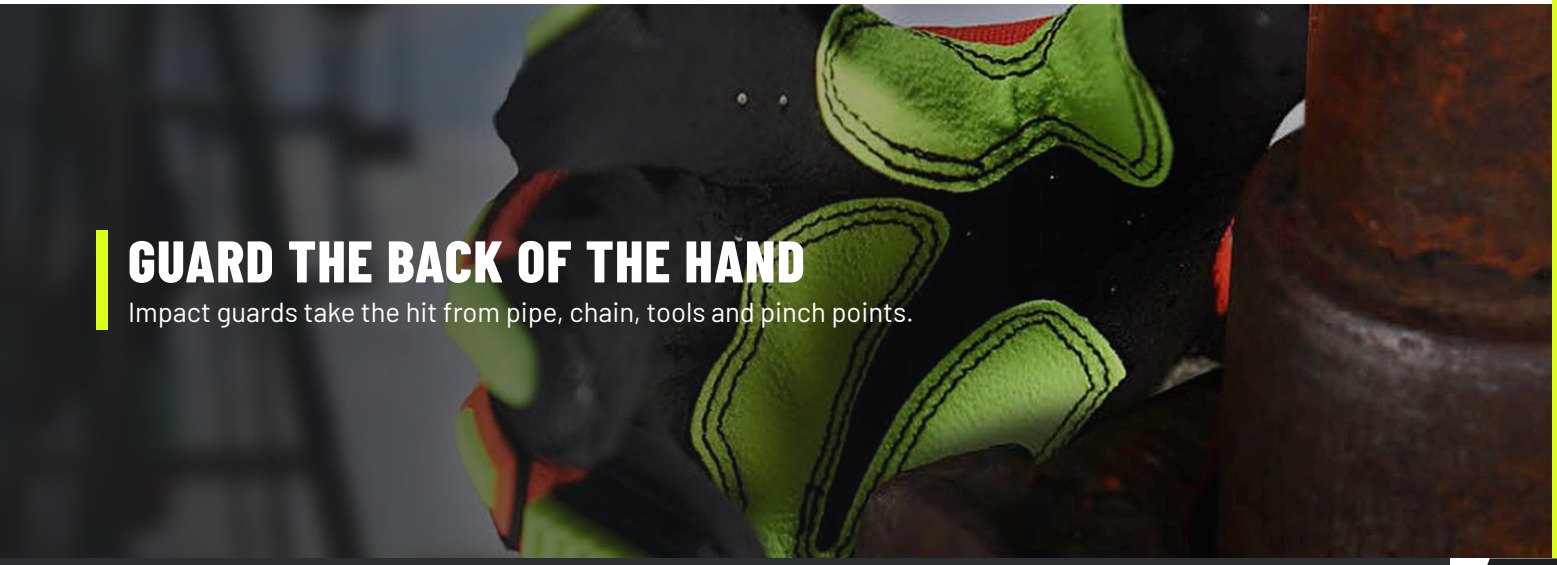
KYORENE PRO MAX // 24-847

ANSI CUT	IMPACT	EN 388
A4	2	4X42D

- Thin 24-gauge graphene liner for fine finger control — no steel or fiberglass
- ANSI/ISEA 138 Level 2 TPV impact protection on back of hand and fingers
- Soft HCT MicroFoam nitrile palm; touchscreen; reinforced thumb crotch

SIZES XS | S | M | L | XL | 2X

ITEM # VO-AG-24-847-XS / -S / -M / -L / -XL / -2X — order as 24 pr



GUARD THE BACK OF THE HAND

Impact guards take the hit from pipe, chain, tools and pinch points.

BEAR KNUCKLES // LEATHER WORK & RESCUE GLOVES

Double Wedge leather gloves: everyday and winter drivers, wildland fire, USAR and cut-resistant knit. Bear Knuckles lineman gloves have their own section next.



BEAR KNUCKLES

BODACIOUS // D357

H2O **RESIST**

- Bear Knuckles' top-selling cowhide driver: water resistance is added in the tanning process, so the leather stays soft instead of drying hard and crusty
- Patented Double Wedge fingers follow a relaxed hand — better dexterity, no bunching in the palm
- Wing thumb, shirred elastic back, purpose-placed gussets and minimized seams for fewer hot spots

SIZES S M L XL 2XL 3XL

ITEM # VO-BK-D357-S / -M / -L / -XL / -2XL / -3XL



BEAR KNUCKLES

HIGH NOON // D373 FLEECE-LINED

H2O **RESIST** LINING **FLEECE**

- The winter version of the Bodacious: a water-resistant buffalo leather driver with a fleece lining for cold mornings
- Patented Double Wedge curved fingers and wing thumb keep the leather from bunching in the palm
- Shirred elastic back, purpose-placed gussets and minimized seams for a longer-lasting glove

SIZES S M L XL 2XL

ITEM # VO-BK-D373-S / -M / -L / -XL / -2XL



BEAR KNUCKLES

BUSHWHACKER // HD361 WILDLAND FIRE

- Heavy-duty buffalo-hide driver built for wildland fire crews: fireline construction, hand tools and brush clearing
- Leather is 40% thicker than Bear Knuckles' standard D351/D451 drivers, for abrasion and long service life
- Double Wedge curved fingers, wing thumb and shirred back; unlined for tool feel. Also suits forestry, arborist and utility work

SIZES S M L XL 2XL 3XL

ITEM # VO-BK-HD361-S / -M / -L / -XL / -2XL / -3XL

BEAR KNUCKLES // CONTINUED



BEAR KNUCKLES

SLEDGEHAMMER // SU375 SAFETY UTILITY

ANSI CUT	PUNCTURE	ABRASION	IMPACT	OIL/H2O
A7	4	5	2	BLOCK

- Built for urban search and rescue, extrication and heavy industry: buffalo leather over a steel/para-aramid cut liner, sewn with para-aramid thread
- Oil/water-block treatment keeps leather working around lubricants, fuel and hydraulic fluid — also suits oilfield, fleet, rigging and heavy-equipment crews
- TPR back-of-hand impact guards (ANSI/ISEA 138 Level 2), EVA-padded palm overlays, Double Wedge fingers and wing thumb

SIZES S M L XL XXL

ITEM # VO-BK-SU375-S / -M / -L / -XL / -2XL



BEAR KNUCKLES

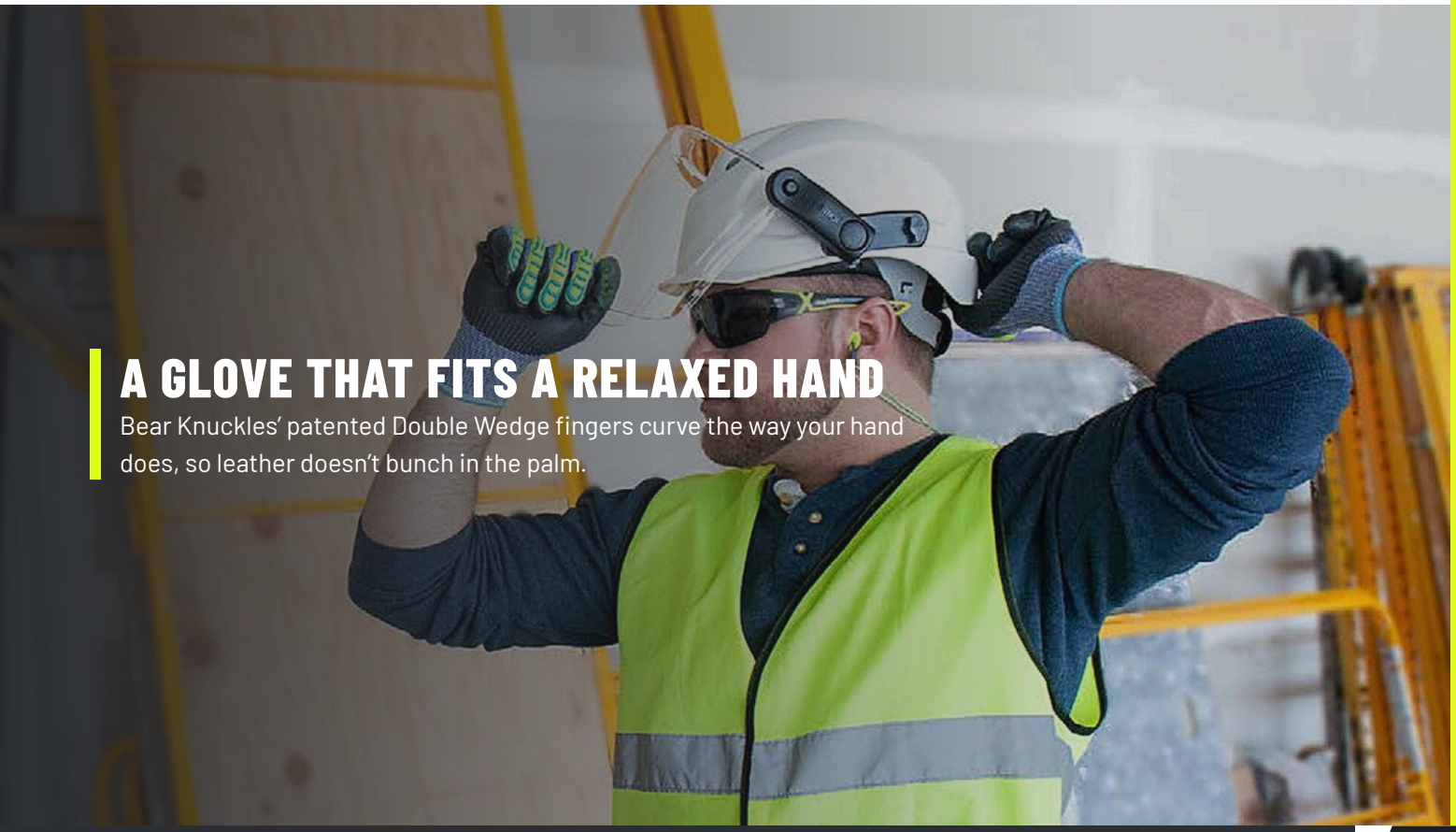
SWITCHBLADE // SC6100

ANSI CUT	EN 388
A6	4X43FX

- 18-gauge Dyneema UHMW-PE knit for A6 cut resistance in a thin, flexible glove
- Sandy nitrile palm for grip; reinforced thumb saddle; breathable stretch back
- Touchscreen compatible; color-coded wrist for quick sizing

SIZES M L XL

ITEM # VO-BK-SC6100-M / -L / -XL



A GLOVE THAT FITS A RELAXED HAND

Bear Knuckles' patented Double Wedge fingers curve the way your hand does, so leather doesn't bunch in the palm.

LINEMAN GLOVES // THE LINEUP

Leather protectors, ground-lineman gloves and arc-rated lineman gloves from Carolina Glove and Bear Knuckles — matched to the work on the line.

1 · OVER RUBBER

When work calls for rubber insulating gloves, the rubber provides the voltage protection. A leather protector (ASTM F696) goes over it to guard the rubber from cuts, punctures and abrasion.

2 · ARC-RATED LEATHER

For lineman work where arc flash is the hazard, choose a glove whose arc rating (ATPV, cal/cm^2) meets or exceeds the incident energy in your arc flash assessment. Arc-rated leather is not insulation.

3 · GROUND CREW

Ground linemen handle cable, hardware and rigging all day. They need cut and abrasion resistance, grip and a long cuff more than an arc rating.



HIGH VOLTAGE LINEMAN
CAROLINA GLOVE



HAYMAKER
BEAR KNUCKLES



HONEYBADGER
BEAR KNUCKLES



PERFECT STORM
BEAR KNUCKLES



PERFECT STORM 2
BEAR KNUCKLES



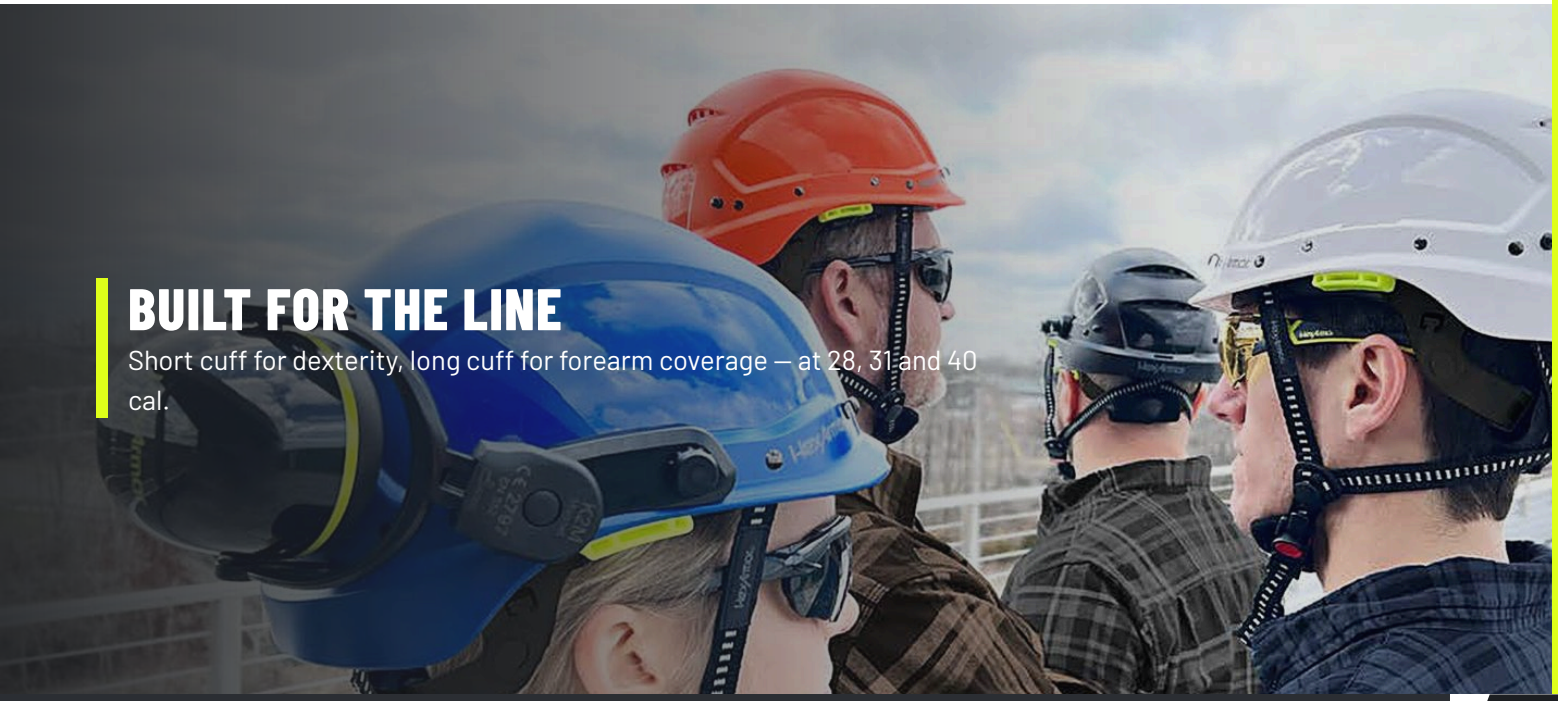
PRIME TIME
BEAR KNUCKLES



PRIME TIME 2
BEAR KNUCKLES

BRAND	GLOVE	USE	CUFF	ARC (ATPV)	CUT	PUNCTURE	ABRASION	SIZES
Carolina Glove	**High Voltage Lineman Protectors (6010 / 6011)**	Over rubber gloves	Gauntlet	–	–	–	–	10 · 11
Bear Knuckles	**Haymaker S390**	Lineman work	Short	–	A6	4	4	S–XXL
Bear Knuckles	**Honeybadger GL338**	Ground lineman	Long gauntlet	–	–	–	–	S–2XL
Bear Knuckles	**Perfect Storm SS545AFR**	Arc lineman · FR	Short	28 cal	A5	5	4	S–2XL
Bear Knuckles	**Perfect Storm 2 SL545AFR**	Arc lineman · FR	Long	31 cal	A5	5	4	M–XL
Bear Knuckles	**Prime Time SS644**	Arc lineman · FR	Short	40 cal	A6	4	4	S–XXL
Bear Knuckles	**Prime Time 2 SL644**	Arc lineman · FR	Long	40 cal	A6	4	4	M–XL

Also arc rated: HexArmor Chrome SLT 4060 (CAT 2), 4061, 5071, 5080 and 5081 (CAT 4) in the Leather, Utility & Arc Flash pages. Lineman kits with Class E helmets, face shields and earmuffs are in Head Protection.



BUILT FOR THE LINE

Short cuff for dexterity, long cuff for forearm coverage — at 28, 31 and 40 cal.

LINEMAN GLOVES



CAROLINA GLOVE

HIGH VOLTAGE LINEMAN // LEATHER PROTECTORS

ASTM **F696**

- Top-grain leather protectors worn over rubber insulating gloves to guard them from cuts, abrasion and punctures
- Two-piece vacuum-dried leather gauntlet with adjustable web strap and buckle
- Made in the USA; choose an orange or yellow rubberized gauntlet

SIZES 10 (6010) 11 (6011) **COLORS** Orange Gauntlet / Yellow Gauntlet

ITEM # VO-CG-6010-ORG / -YEL (size 10) · VO-CG-6011-ORG / -YEL (size 11)



BEAR KNUCKLES

HAYMAKER // S390 LINEMAN

ANSI CUT	PUNCTURE	ABRASION	H2O
A6	4	4	RESIST

- Water-resistant yellow cowhide safety lineman glove with a poly-aramid cut liner (ANSI A6)
- Double Wedge pre-curved fingers keep leather from bunching in the palm
- Purpose-placed gussets, minimized seams, elasticized back-of-hand wrist

SIZES S M L XL XXL

ITEM # VO-BK-S390-S / -M / -L / -XL / -2XL



BEAR KNUCKLES

HONEYBADGER // GL338 GROUND LINEMAN

- New for 2026: a tough ground-lineman glove of double-drum-dyed buffalo hide with a long, soft split-cowhide gauntlet cuff
- Buffalo overlay on the palm and split-cowhide overlay on the back of the hand where wear is heaviest
- Double Wedge pre-curved fingers and wing thumb for grip control without palm bunching

SIZES S M L XL 2XL

ITEM # VO-BK-GL338-S / -M / -L / -XL / -2XL

LINEMAN GLOVES // CONTINUED



BEAR KNUCKLES

PERFECT STORM // SS545AFR ARC LINEMAN

ANSI CUT	PUNCTURE	ABRASION	ARC FLASH	F/R
A5	5	4	28 CAL/CM²	YES

- Short-cuff buffalo arc lineman glove: ATPV 28 cal/cm², flame resistant
- Puncture Level 5 — the highest puncture rating in our lineman lineup — plus A5 cut
- Reinforced palm, knuckles and thumb crotch; Double Wedge fingers, wing thumb, shirred back. Arc-rated leather — not voltage-rated insulation

SIZES S M L XL 2XL

ITEM # VO-BK-SS545AFR-S / -M / -L / -XL / -2XL



BEAR KNUCKLES

PERFECT STORM 2 // SL545AFR ARC LINEMAN

ANSI CUT	PUNCTURE	ABRASION	ARC FLASH	F/R
A5	5	4	31 CAL/CM²	YES

- Long-cuff version of Perfect Storm: ATPV 31 cal/cm², flame resistant, extra wrist and forearm coverage
- A5 cut, Level 5 puncture, Level 4 abrasion; double-drum-dyed buffalo leather
- Reinforced palm, knuckles and thumb crotch; Double Wedge fingers and wing thumb. Arc-rated leather — not voltage-rated insulation

SIZES M L XL

ITEM # VO-BK-SL545AFR-M / -L / -XL



BEAR KNUCKLES

PRIME TIME // SS644 ARC LINEMAN

ANSI CUT	PUNCTURE	ABRASION	ARC FLASH	F/R
A6	4	4	40 CAL/CM²	YES

- Short-cuff buffalo lineman glove: ATPV 40 cal/cm² and flame resistant
- Steel/para-aramid/polyester cut liner (A6) and para-aramid thread; printed knuckle leather
- Double Wedge curved fingers, wing thumb, shirred back. Arc-rated leather — not voltage-rated insulation

SIZES S M L XL XXL

ITEM # VO-BK-SS644-S / -M / -L / -XL / -2XL

LINEMAN GLOVES // CONTINUED



BEAR KNUCKLES

PRIME TIME 2 // SL644 ARC LINEMAN

ANSI CUT	PUNCTURE	ABRASION	ARC FLASH	F/R
A6	4	4	40 CAL/CM²	YES

- Long-gauntlet version of Prime Time: extra wrist and forearm coverage with the same 40 cal/cm² arc rating
- Buffalo leather, steel/para-aramid/polyester cut liner (A6), para-aramid thread, flame resistant
- Double Wedge curved fingers and wing thumb. Arc-rated leather — not voltage-rated insulation

SIZES M L XL

ITEM # VO-BK-SL644-M / -L / -XL



OUTFITTING A LINEMAN CLASS?

Email info@vertexoutfitters.net or call 301-246-2336 for student kits and crew orders.

LEATHER, UTILITY & ARC FLASH

Goatskin and cowhide gloves for linework, electrical and general utility work — including CAT 4 arc-rated options.



HEXARMOR

CHROME SLT // 4060

ANSI CUT	PUNCTURE	ABRASION	IMPACT	CONT. HEAT	ARC FLASH	EN 388
A5	4	4	2	2	CAT 2 (23.6 CAL)	2X23EP

- Goatskin leather palm with a full aramid liner for 360° cut resistance
- Low-profile back-of-hand impact guards; flame-resistant materials throughout
- SlipFit cuff for quick on and off

SIZES: XS (6) · S (7) · M (8) · L (9) · XL (10) · XXL (11) · XXXL (12) · 4XL (13) · 5XL (14)

ITEM # VO-HEX-4060-XS / -S / -M / -L / -XL / -XXL / -XXXL / -XXXXL / -XXXXXL — order as -Pr pair · -12P 12 pr · -36C 36 pr



HEXARMOR

CHROME SLT // 4061

ANSI CUT	PUNCTURE	ABRASION	CONT. HEAT	ARC FLASH	EN 388
A5	4	4	2	CAT 4 (46 CAL)	2X23E

- Goatskin leather with aramid liner and aramid stitching — no impact guards, for rope work
- Arc flash CAT 4 rated (ATPV 46 cal/cm²)
- SlipFit cuff; flexible feel for ropes, rigging and carabiners

SIZES: XS (6) · S (7) · M (8) · L (9) · XL (10) · XXL (11) · XXXL (12)

ITEM # VO-HEX-4061-XS / -S / -M / -L / -XL / -XXL / -XXXL — order as -E pair



HEXARMOR

CHROME SLT // 4072

ANSI CUT	PUNCTURE	ABRASION	CONT. HEAT	EN 388
A6	3	5	3	4X42F

- 360° A6 cut protection from an HPPE-blend liner, without impact bulk
- Synthetic leather palm for wet and dry grip; hi-vis
- Touchscreen thumb and index; SlipFit cuff; launderable

SIZES: XS (6) · S (7) · M (8) · L (9) · XL (10) · XXL (11) · XXXL (12)

ITEM # VO-HEX-4072-XS / -S / -M / -L / -XL / -XXL / -XXXL — order as -Pr pair · -12P 12 pr · -36C 36 pr



HEXARMOR

CHROME SLT // 5071 OILGUARD

ANSI CUT	PUNCTURE	ABRASION	CONT. HEAT	ARC FLASH
A4	4	4	3	CAT 4

- Goatskin treated with OilGuard+ to resist oil and water saturation
- Polyester/steel liner; fiberglass-free for sensitive skin; flame-resistant materials
- Gunn-cut construction and SlipFit cuff; grips in dry or light oil

SIZES: XS (6) · S (7) · M (8) · L (9) · XL (10) · XXL (11) · XXXL (12)

ITEM # VO-HEX-5071-XS / -S / -M / -L / -XL / -XXL / -XXXL — order as -E pair

LEATHER, UTILITY & ARC FLASH // CONTINUED



HEXARMOR

CHROME SLT // 5080 ARC FLASH

ANSI CUT	PUNCTURE	ABRASION	CONT. HEAT	ARC FLASH
A1	4	4	2	CAT 4 (47 CAL)

- Unlined, water-resistant goatskin for a traditional feel — arc rated 47 cal/cm^2
- 3D finger construction for dexterity; goatskin abrasion patches
- Touchscreen middle fingertip; SlipFit cuff. Not a voltage-rated insulating glove

SIZES XS (6) · S (7) · M (8) · L (9) · XL (10)

ITEM # VO-HA-5080-XS / -S / -M / -L / -XL — order as -E pair · -6P 6 pr · -12P 12 pr



HEXARMOR

CHROME SLT // 5081 ARC FLASH

ANSI CUT	PUNCTURE	ABRASION	CONT. HEAT	ARC FLASH
A4	4	4	3	CAT 4 (68 CAL)

- Water-resistant goatskin with aramid liner — 360° A4 cut and our highest arc rating, 68 cal/cm^2
- Form-fitting 3D fingers; reinforced goatskin palm patches
- Touchscreen middle fingertip; SlipFit cuff. Not a voltage-rated insulating glove

SIZES XS (6) · S (7) · M (8) · L (9) · XL (10) · 2XL (11) · 3XL (12)

ITEM # VO-HA-5081-XS / -S / -M / -L / -XL / -2XL / -3XL — order as -E pair · -6P · -12P



CAROLINA GLOVE

GRAIN COWHIDE // DRIVER GLOVES

- Quality grain cowhide, keystone thumb and shirred elastic back for a secure fit
- I9999KTE unlined for everyday handling; IL9999KTE adds a red fleece lining for cool weather
- Color-coded hemmed cuff for quick size ID; sold in packs of 12

SIZES M · L · XL · XXL (unlined only)

ITEM # Unlined: VO-CG-I9999KTE-M / -L / -XL / -XXL -12P · Fleece-lined: VO-CG-IL9999KTE-M / -L / -XL -12P

COLD WEATHER & GENERAL PURPOSE

Insulated, coated and hi-vis gloves for winter work, tree crews and everyday crew use.



HEXARMOR

HELIX // 2059 HI-VIS WINTER

ANSI CUT	PUNCTURE	ABRASION	EN 388	EN 511
A4	2	4	3X42D	X2X

- 18-gauge cut-resistant shell with a warm fleece lining; 360° cut resistance
- 3/4 sandy nitrile palm keeps grip on cold, wet tools
- Hi-vis, touchscreen, seamless, elastic knit wrist; washable

SIZES XS (6) | S (7) | M (8) | L (9) | XL (10) | XXL (11) | XXXL (12)

ITEM # VO-HEX-2059-XS / -S / -M / -L / -XL / -XXL / -XXXL — order as -12P 12 pr · -72C 72 pr



ARMOR GUYS

EXTRAFLEX // 04-545

ANSI CUT	EN 388	EN 511
A5	4443E	RATED

- 15-gauge cut liner over a 7-gauge poly-acrylic insulating lining
- Full smooth nitrile coating blocks wet and cold; HCT MicroFoam nitrile palm for grip
- For winter construction, cold storage, landscaping and outdoor maintenance

SIZES S | M | L | XL | 2X | 3X | S-M | L-XL

ITEM # VO-AG-04-545-S / -M / -L / -XL / -2X / -3X / -S-M / -L-XL — order as 36 pr



ARMOR GUYS

EXTRAFLEX // 04-314

ANSI CUT	IMPACT	EN 388
A4	TPV	4443D

- 13-gauge cut liner around a 7-gauge poly-acrylic insulating lining
- TPV protective elements over fingers and the back of the hand
- Black HCT MicroFoam nitrile with extended knuckle coating for wet grip

SIZES M | L | XL | 2X

ITEM # VO-AG-04-314-M / -L / -XL / -2X — order as 36 pr

COLD WEATHER & GENERAL PURPOSE // CONTINUED



CAROLINA GLOVE

HI-VIS THERMAL // ARBORIST WINTER GLOVE

- The winterized version of our arborist latex glove: hi-vis lime 7-gauge knit with a thermal lining
- Textured blue latex palm grips climbing line, rigging rope and wet branches
- Flexible knit keeps finger feel for knots and hardware in the cold

SIZES S M L XL XXL

ITEM # VO-CG-IKBLPDTLLCRC9-S / -M / -L / -XL / -XXL — order as -12P 12 pr · -144C 144 pr



CAROLINA GLOVE

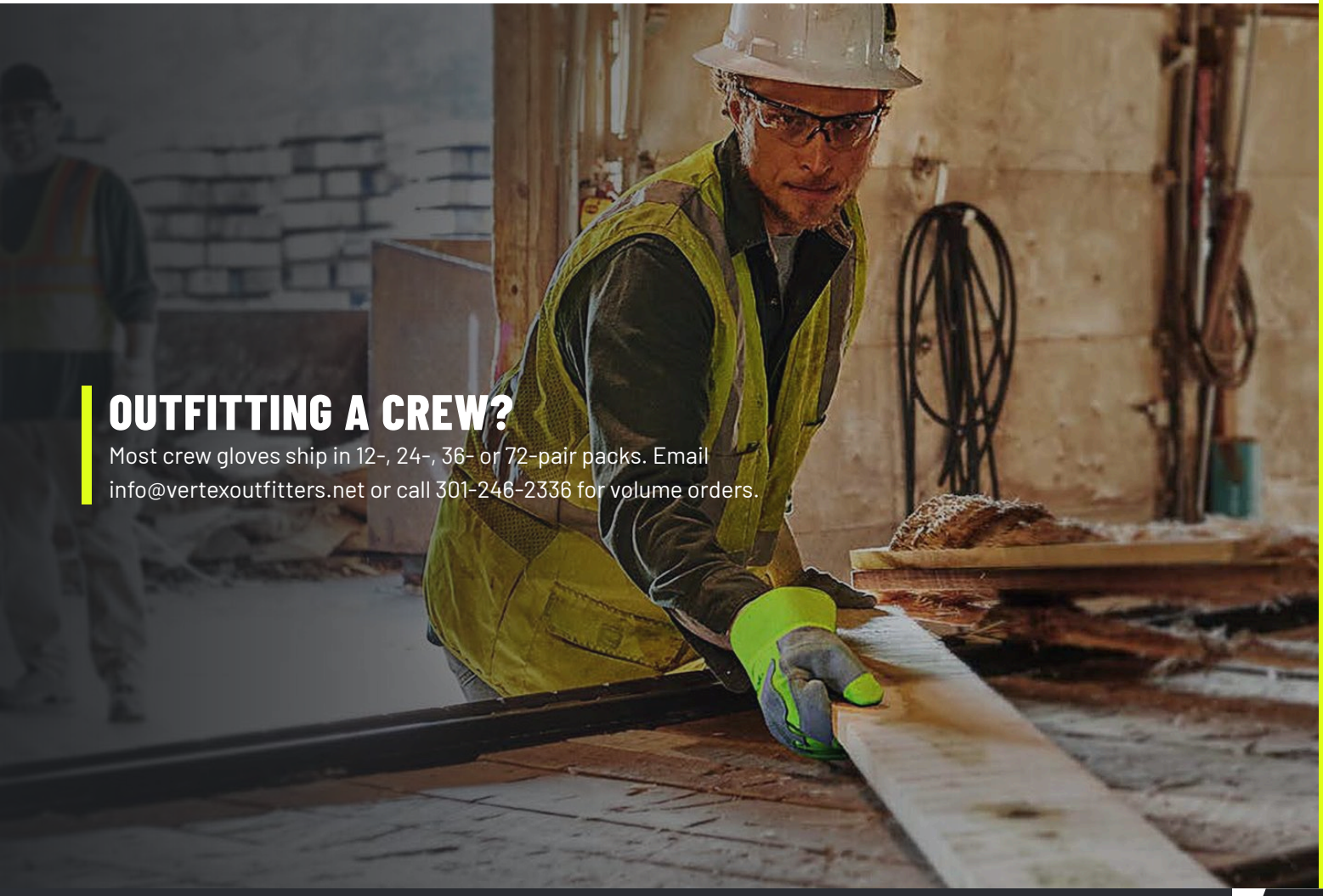
IKBLPD // ARBORIST LATEX GLOVE

EN 388
3142

- The classic tree-crew glove: textured blue latex palm grips climbing line and rigging rope wet or dry
- 10-gauge seamless cotton/poly knit for comfort and finger feel on knots, saws and hardware
- Elastic knit wrist keeps out sawdust and debris; inexpensive enough to issue to the whole crew

SIZES XS S M L XL

ITEM # VO-CG-IKBLPD-XS / -S / -M / -L / -XL — order as -12P 12 pr · -144C 144 pr



OUTFITTING A CREW?

Most crew gloves ship in 12-, 24-, 36- or 72-pair packs. Email info@vertexoutfitters.net or call 301-246-2336 for volume orders.

ROPE, RESCUE & WATER GLOVES

Leather, Kevlar and neoprene gloves for belaying, rappelling, winch work, fast rope and swiftwater rescue.



KONG

FULL GLOVES

EN 388
4243

- Suede leather reinforced with DuPont Kevlar fibers on palm and fingers
- Breathable, abrasion-resistant nylon back; elastic wrist with hook-and-loop
- For rescue, via ferrata and rope work; made in Italy

S M L XL XXL

ITEM # VO-KONG-95203NNN3KK (S) / 4KK (M) / 6KK (L) / 7KK (XL) / 8KK (XXL)



KONG

FULL GLOVES // AERO

EN 388
4243

- Helicopter winch-operator version with a double Kevlar suede palm
- No stitching or seams on the palm for winch-cable handling
- 100–125 g per pair; made in Italy

L XL XXL

ITEM # VO-KONG-95206NNN6KK (L) / 7KK (XL) / 8KK (XXL)



KONG

SKIN GLOVES

EN 388
3121

- Lightweight belay and double-rope glove with double-layer leather on wear zones
- Rubber-reinforced thumb and index finger
- 75–90 g per pair; made in Italy

S L XL

ITEM # VO-KONG-95205N002KK (S) / 006KK (L) / 007KK (XL)



CMC

ESSENTIAL GLOVE

EN 388
CERT.

- Leather palm with a second layer on high-wear areas; breathable mesh back
- Touchscreen index finger and thumb; terry thumb sweat wipe
- Hook-and-loop wrist and carabiner clip-in point; gray/black

S M L XL XXL

ITEM # VO-VSG-CEG-BKG-S / -M / -L / -XL / -XXL



PETZL

CORDEX PLUS

EN 388
CERT.

- Medium-weight belay/rappel glove: double-layer goatskin palm resists heat on long lowers
- Reinforced fingertips and thumb web; stretch nylon at flex points
- Neoprene cuff with hook-and-loop; reinforced carabiner hole

S M L XL

ITEM # VO-VSG-PCPGS-BK-S / -M / -L / -XL · VO-VSG-PCPGS-TN-S / -M / -L / -XL



EDELWEISS

CONTROL LEATHER GLOVES

- Perforated goatskin palm with reinforced wear zones
- Cut-resistant aramid liner reinforces the palm
- Woven nylon back and hook-and-loop cuff for a close fit

S M L XL

ITEM # VO-LM-446666 (S) / 446667 (M) / 446668 (L) / 446669 (XL)

ROPE, RESCUE & WATER // CONTINUED



LIBERTY MOUNTAIN

PRO COWHIDE // RAPPEL GLOVES

- Durable cowhide built to take rope friction and abrasion
- Three-layer reinforced palm for longer service life
- Full-finger coverage; hook-and-loop wrist

XS | S | M | L | XL

ITEM # VO-LM-444351-XS / 444351-S / 444352 (M) / 444353 (L) / 444354 (XL)



PMI

ROPE TECH GLOVES

- Ultra-light synthetic leather base with cowhide on finger wear points and palm
- Two-way stretch spandex top for mobility; elastic cuff with pull-tab
- For belaying, knot tying and rigging — not for fast-rope or body rappels

XS | S | M | L | XL | XXL

ITEM # VO-PMI-GL22301 (XS) / 02 (S) / 03 (M) / 04 (L) / 05 (XL) / 06 (XXL)



YATES

925 // FAST ROPE GLOVES

- Full-grain leather stitched with Kevlar thread
- Dual-palm design adds heat protection on fast-rope descents
- Carabiner hole at the wrist; runs small — size up if unsure

S | M | L | XL | XXL

ITEM # VO-VSG-925B-S / -M / -L / -XL / -XXL (black) · VO-VSG-925T-... (tan)



NRS

REACTOR // RESCUE GLOVES

- 3 mm neoprene with titanium laminate for cold-water warmth
- Aramid palm and fingers grip rope; pre-curved fingers reduce fatigue
- Glued, blind-stitched seams; GripCote panels; reflective accents; safety yellow/black

S | M | L | XL | 2XL | S-M | L-XL

ITEM # VO-NRS-25032.03-S / -M / -L / -XL / -2XL / -SM / -LXL



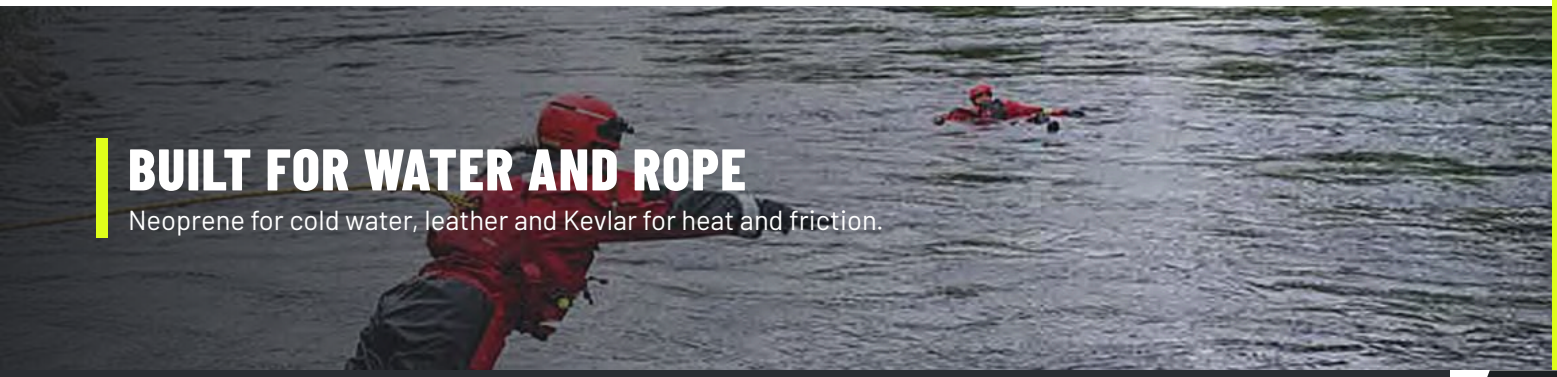
NRS

UTILITY GLOVES // 2 MM

- Low-profile 2 mm Terraprene neoprene for cool-to-cold water work
- Rubberized Amara synthetic-leather palm and fingers for rope grip
- Slip-on stretch cuff; reflective accents; black

S | M | L | XL | 2XL | S-M | L-XL

ITEM # VO-NRS-25025.04-S / -M / -L / -XL / -2XLAR / -SM / -LXL



BUILT FOR WATER AND ROPE

Neoprene for cold water, leather and Kevlar for heat and friction.

GLOVE SELECTION CHART

Every glove in this section, side by side. Dashes mean the manufacturer does not publish that rating.

GLOVE	CUT	PUNCTURE	ABRASION	IMPACT	ARC	EN 388	SIZES
CUT & IMPACT							
HexArmor Rig Lizard 2021X	A3	●●●●○	●●●●○○	2	–	3X43BP	XS · XXXL
HexArmor Rig Lizard 2028X	A6	●○○○○	●●●●○○	2	–	3X43EP	XS · XXXL
HexArmor Helix 3026IMP	A7	●●○○○	●●●○○○	2	–	–	XXS · XXXL
HexArmor EXT Rescue 4012	A8	●●○○○	●●●●●●	2	–	4X41FP	XS · XXL
HexArmor Chrome Series IronHide 4091IMP	A8	●●●●●	●●●●●●	2	–	4X44FP	XS · XXXL
Magid T-REX Flex TRX400	A1	●●○○○	●●●●○○	1	–	–	S · XXXL
Magid T-REX Flex TRX685 AeroDex	A6	●●●○○	●●●●●●	2	–	–	S · XXL
Magid T-REX Windstorm TRX743	A6	●●●●○	●●●●○○	2	–	–	XXS · XXXXL
Magid T-REX Rebel TRX814	A6	●●●○○	●●●○○○	2	–	–	XS · XXXXL
Armor Guys Kyorene Pro 00-857	A5	–	–	TPV	–	4443E	XS · L-XL
Armor Guys Kyorene Pro Max 24-847	A4	–	–	2	–	4X42D	XS · 2X
LEATHER, UTILITY & ARC FLASH							
HexArmor Chrome SLT 4060	A5	●●●●○	●●●●○○	2	CAT 2 23.6 cal	2X23EP	XS · 5XL
HexArmor Chrome SLT 4061	A5	●●●●○	●●●●○○	–	CAT 4 46 cal	2X23E	XS · XXXL
HexArmor Chrome SLT 4072	A6	●●●○○	●●●●●○	–	–	4X42F	XS · XXXL
HexArmor Chrome SLT 5071 OilGuard	A4	●●●●○	●●●●○○	–	CAT 4	–	XS · XXXL
HexArmor Chrome SLT 5080 Arc Flash	A1	●●●●○	●●●●○○	–	CAT 4 47 cal	–	XS · XL
HexArmor Chrome SLT 5081 Arc Flash	A4	●●●●○	●●●●○○	–	CAT 4 68 cal	–	XS · 3XL
Carolina Glove Grain Cowhide Driver Gloves	–	–	–	–	–	–	M · XXL
BEAR KNUCKLES							
Bear Knuckles Bodacious D357	–	–	–	–	–	–	S · 3XL
Bear Knuckles High Noon D373 Fleece-Lined	–	–	–	–	–	–	S · 2XL
Bear Knuckles Bushwhacker HD361 Wildland Fire	–	–	–	–	–	–	S · 3XL
Bear Knuckles Sledgehammer SU375 Safety Utility	A7	●●●●○	●●●●●○	2	–	–	S · XXL
Bear Knuckles Switchblade SC6100	A6	–	–	–	–	4X43FX	M · XL
LINEMAN GLOVES							
Carolina Glove High Voltage Lineman Leather Protectors	–	–	–	–	–	–	10 · 11
Bear Knuckles Haymaker S390 Lineman	A6	●●●●○	●●●●○○	–	–	–	S · XXL
Bear Knuckles Honeybadger GL338 Ground Lineman	–	–	–	–	–	–	S · 2XL
Bear Knuckles Perfect Storm SS545AFR Arc Lineman	A5	●●●●●	●●●●○○	–	28 cal	–	S · 2XL
Bear Knuckles Perfect Storm 2 SL545AFR Arc Lineman	A5	●●●●●	●●●●○○	–	31 cal	–	M · XL
Bear Knuckles Prime Time SS644 Arc Lineman	A6	●●●●○	●●●●○○	–	40 cal	–	S · XXL
Bear Knuckles Prime Time 2 SL644 Arc Lineman	A6	●●●●○	●●●●○○	–	40 cal	–	M · XL
COLD WEATHER & GENERAL PURPOSE							
HexArmor Helix 2059 Hi-Vis Winter	A4	●●○○○	●●●●○○	–	–	3X42D	XS · XXXL
Armor Guys Extraflex 04-545	A5	–	–	–	–	4443E	S · L-XL
Armor Guys Extraflex 04-314	A4	–	–	TPV	–	4443D	M · 2X
Carolina Glove Hi-Vis Thermal Arborist Winter Glove	–	–	–	–	–	–	S · XXL
Carolina Glove IKBLPD Arborist Latex Glove	–	–	–	–	–	3142	XS · XL
ROPE, RESCUE & WATER							
KONG Full Gloves	–	–	–	–	–	4243	S · XXL
KONG Full Gloves AERO	–	–	–	–	–	4243	L · XXL
KONG Skin Gloves	–	–	–	–	–	3121	S · XL
CMC Essential Glove	–	–	–	–	–	–	S · XXL
Petzl CORDEX PLUS	–	–	–	–	–	–	S · XL
Edelweiss Control Leather Gloves	–	–	–	–	–	–	S · XL
Liberty Mountain Pro Cowhide Rappel Gloves	–	–	–	–	–	–	XS · XL
PMI Rope Tech Gloves	–	–	–	–	–	–	XS · XXL
Yates 925 Fast Rope Gloves	–	–	–	–	–	–	S · XXL
NRS Reactor Rescue Gloves	–	–	–	–	–	–	S · L-XL
NRS Utility Gloves 2 mm	–	–	–	–	–	–	S · L-XL



EARPLUGS · EARMUFFS · HELMET MUFFS · COMMS

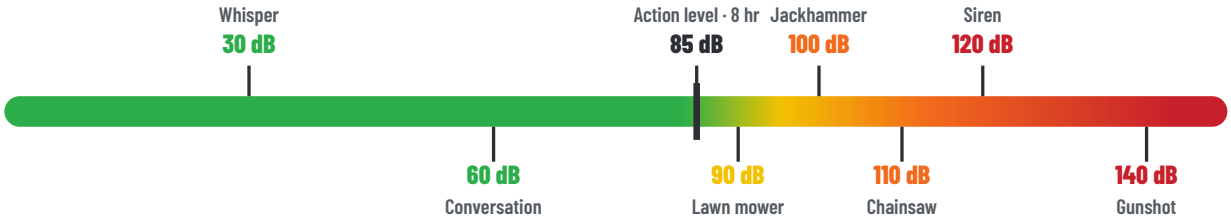
HEARING PROTECTION

Noise-induced hearing loss is permanent and builds slowly, shift after shift. We carry earplugs, over-the-head and helmet-mounted earmuffs, and comms-ready systems so crews can protect their hearing and still talk.

HexArmor | 3M Peltor | Singing Rock | Pfanner Protos | Notch | SENA | KONG | Malta Dynamics

HOW HEARING PROTECTION WORKS

Know how loud the job is, then choose protection that brings it down to a safe level — without blocking out the crew.



85 DB IS THE LINE

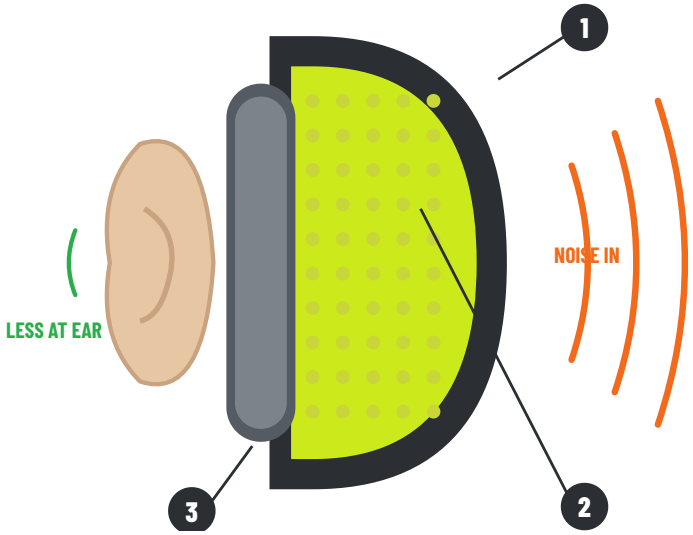
OSHA requires a hearing conservation program when noise averages 85 dBA over an 8-hour shift. Every 3 dB increase roughly doubles the sound energy reaching the ear.

NRR, SNR & CSA CLASS

NRR (U.S., ANSI S3.19) is lab attenuation in decibels. **SNR** is the European equivalent and reads a few dB higher. **CSA Class A** is rated for higher noise than **Class B**.

REAL-WORLD PROTECTION

Field protection is lower than the lab number. A common OSHA estimate: subtract 7 from the NRR, then divide by 2. Plugs under muffs add about 5 dB to the higher-rated one.



1 HARD EAR CUP

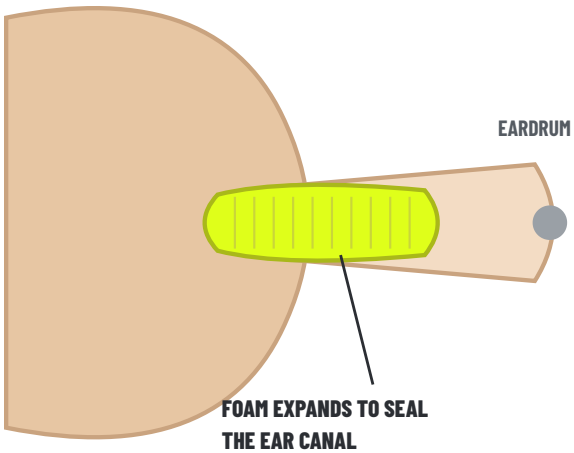
Reflects sound away from the ear. Hi-vis and dielectric cups are common on helmet muffs.

2 ACOUSTIC FOAM

Fills the cup and absorbs the sound that gets through the shell.

3 CUSHION SEAL

Soft foam or memory-foam cushion seals around the ear. Glasses arms, hair and caps under the seal leak noise.



ROLL · PULL · HOLD

1. Roll the foam plug into a thin, tight cylinder. **2. Pull** the top of your ear up and back with the other hand to straighten the canal. **3. Hold** the plug in place for 20–30 seconds while it expands. A well-fitted foam plug sits deep, not just at the opening. Guided plugs like simpleFit go in by the stem, with no rolling.

EARPLUGS

Disposable and reusable plugs for every crew member. Sizes and guided designs help each worker get a seal.



HEXARMOR

ACCUFIT // DISPOSABLE EARPLUGS

CSA	PAIRS
A(L)	300

- Slow-expanding polyurethane foam gives time for a proper insertion, then seals with low pressure
- Patented x-grip shape for handling and removal; tapered bullet profile
- Three sizes, color-coded, so every worker gets a fit that seals

VERSION	RATING	ITEM #	SOLD AS
Small	30 dB	**V0-HEX-18-10003-E**	300-pair refill box
Medium (yellow)	32 dB	**V0-HEX-18-11003-E**	300-pair refill box
Large (gray)	33 dB	**V0-HEX-18-12003-E**	300-pair refill box



HEXARMOR

SIMPLEFIT // DISPOSABLE GUIDED

CSA	CORDED
A(L)	YES

- Guided design lets workers insert plugs without touching the part that enters the ear
- Cord keeps the pair together around the neck between noise exposures
- Disposable — easy to issue across crews and job sites

VERSION	RATING	ITEM #	SOLD AS
Box of 48 pairs	27 dB	**V0-HEX-18-14001-48BX**	48 pairs
Case	27 dB	**V0-HEX-18-14001-480C**	480 pairs



HEXARMOR

SIMPLEFIT // REUSABLE GUIDED

CSA	CORDED
A(L)	YES

- Oval plug follows the shape of the ear canal for a consistent seal
- Ergonomic guide pins marked L and R with thumb indents for correct insertion
- Reusable and washable; two sizes

VERSION	RATING	ITEM #	SOLD AS
Small	25 dB	**V0-HEX-18-20001-48BX / -480C**	48-pair box / 480-pair case
Medium/Large	25 dB	**V0-HEX-18-21001-48BX / -480C**	48-pair box / 480-pair case

EARMUFFS // OVER-THE-HEAD & CEROS HELMET

Match the muff to the noise: higher NRR for louder work, lighter muffs where you need to hear the crew.



HEXARMOR

K-SERIES // OVER-THE-HEAD EARMUFFS

CSA
A(L)/B

- Padded headband and snug foam ear cushions adapt to the wearer's head
- Smooth length adjustment and low-pressure fit for long shifts
- Three attenuation levels so you match the muff to the noise

MODEL	NRR	CSA / NOTES	ITEM #
K1	23 dB	**CSA Class B**	VO-HEX-19-10001-Pr / -20C
K2	26 dB	—	VO-HEX-19-10002-Pr / -20C
K3	30 dB	**CSA Class A(L), memory foam**	VO-HEX-19-10003-Pr / -20C



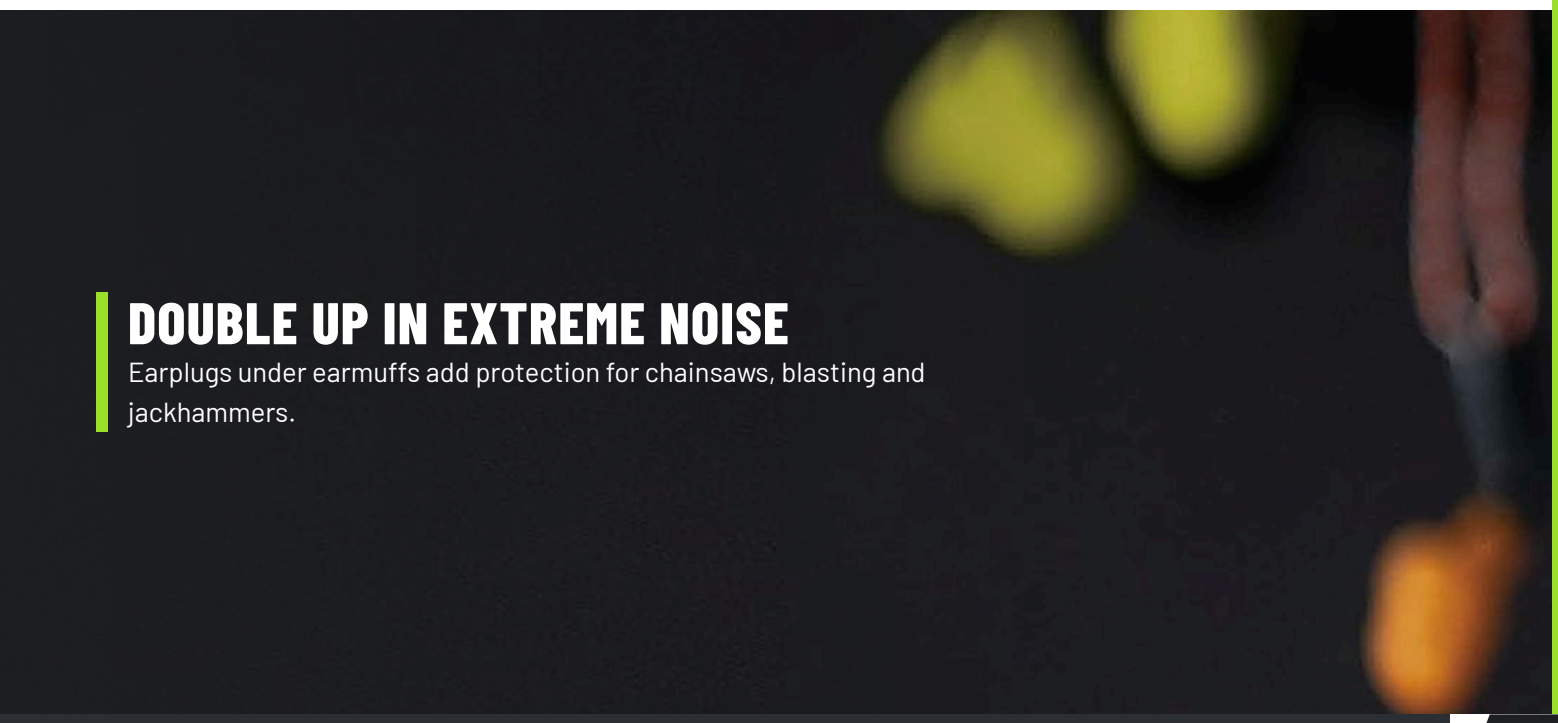
HEXARMOR

CEROS K-SERIES // HELMET EARMUFFS

FITS
CEROS

- Slot-adapted muffs attach directly to compatible Ceros helmets
- 360° rotation moves between working, standby and rest positions
- K2M integrates with the Ceros XP Mechanical Face Shield Kit

MODEL	NRR	CSA / NOTES	ITEM #
K1C slot-mount	22 dB	**CSA Class B**	VO-HEX-17-15001-Pr / -20C
K2C slot-mount	25 dB	**CSA Class A, memory foam**	VO-HEX-17-16001-Pr / -20C
K2M mechanical	25 dB	**CSA Class A, memory foam**	VO-HEX-17-17002-Pr / -20C



DOUBLE UP IN EXTREME NOISE

Earplugs under earmuffs add protection for chainsaws, blasting and jackhammers.

HELMET-MOUNTED EARMUFFS

Muffs that clip to the helmet stay with you, swing up when you need to talk and seal down when the saw starts.



SINGING ROCK

SECURE // HELMET EARMUFFS

- Made by Hellberg; slim, non-conductive cups reduce snagging in tight spaces
- Universal 30 mm Euro-slot adapter; smooth telescopic adjustment
- Replaceable padding. Color tells the level: green 1C, yellow 2C, red 3C

VERSION	RATING	ITEM #
1C · green	22 dB (SNR 25)	**VO-LM-497670**
2C · yellow	24 dB (SNR 29)	**VO-LM-497671**
3C · red	27 dB (SNR 31)	**VO-LM-497672**



PFANNER

PROTOS // INTEGRAL EARMUFFS

- Low-profile cups tuck under the Protos shell so they don't catch on branches or rope
- Adjustable contact pressure and ear position
- EN 352-3; fits Protos Integral Arborist and Climber helmets

VERSION	RATING	ITEM #
Solid Black	SNR 26	**VO-VSG-100553**
Neon Yellow w/ Red	SNR 26	**VO-VSG-15570**
Solid Red	SNR 26	**VO-VSG-21933**
Solid Green	SNR 26	**VO-VSG-21935**
Solid White	SNR 26	**VO-VSG-21936**
Solid Yellow	SNR 26	**VO-VSG-39973**
Solid Neon Yellow	SNR 26	**VO-VSG-41214**



KONG

3M PELTOR // HELMET EARMUFFS

- 3M Peltor helmet-mount muffs supplied by KONG for MOUSE and SPIN helmets
- Electrically insulated; EN 352-3
- MOUSE helmets need the MOUSE Plates kit (see accessories)

VERSION	RATING	ITEM #
Green	26 dB · 185 g	**VO-KONG-999160000XK**
Yellow	30 dB · 216 g	**VO-KONG-999140000KK**

HELMET-MOUNTED EARMUFFS // CONTINUED



MALTA DYNAMICS

HELMET-MOUNTED EARMUFFS

CSA
B

- Direct-mount muffs for Malta Dynamics helmets — head and hearing as one system
- Multi-position: engage when needed, swing away when not
- Tool-free install; memory-foam cushions; ANSI S3.19

VERSION	RATING	ITEM #
Standard helmet	23 dB	**VO-VSG-VSGMD-EM0001**
Full-brim helmet	23 dB	**VO-VSG-VSGMD-EM0002**



NOTCH

HOOK UPS // COMMS-READY EARMUFFS

EN
352-3/-6

- Certified earmuffs with built-in speakers that connect to SENA 33i or Work4 units
- Keeps the NRR rating while connected — no drilling into the cups
- Fits KASK, Petzl, Studson, SOVOS and Milwaukee helmets

VERSION	RATING	ITEM #
Hook Ups only	25 dB	**VO-VSG-99292W**
With SENA 33i	25 dB	**VO-VSG-99292-33i**
With SENA Work4	25 dB	**VO-VSG-99292-W4**



3M PELTOR

HI-VIZ // HELMET EARMUFFS

FITS
PMI*

- Black cups with hi-vis yellow accents; low profile, close to the head
- Mounts to the PMI Advantage and many other helmets
- *PMI helmets need the PMI clip set (see accessories); 0.94 lb

VERSION	RATING	ITEM #
Black / Yellow	—	**VO-PMI-HL33042**

COMMS & HEARING ACCESSORIES

Talk to the crew without lifting a muff, and keep your hearing protection in service.



SENA

33I MESH INTERCOM

Hands-free group talk over Mesh Intercom for climbers and ground crew.

ITEM # V0-VSG-99615



SENA

WORK4 BULK PACK

Team communication system for coordinated crews; bulk pack.

ITEM # V0-VSG-51172

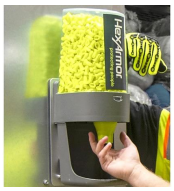


SENA

TUFFTALK LITE

Bluetooth earmuff headset: 21 dB attenuation, 4-way intercom to 800 m, phone and music.

ITEM # V0-VSG-41203



HEXARMOR TURN2 DISPENSER

Magnetic refillable dispenser for accuFit refill boxes.

V0-HEX-20-10002-E



KONG MOUSE PLATES (PAIR)

Nylon plates to mount earmuffs or headsets on MOUSE helmets.

V0-KONG-997051N00KK



PMI EARMUFF CLIP SET

Mounts 3M Peltor Hi-Viz muffs to PMI helmets. Pair.

V0-PMI-HL33045



PROTOS 3M PELTOR BRACKET

Fits 3M Peltor comms muffs to Protos Integral helmets.

V0-VSG-41537



PROTOS EARMUFF BRACKET

Replacement standard bracket for Protos muffs. Pair.

V0-VSG-41604



PROTOS SOUND ABSORBERS

Replacement sound-absorbing inserts for Protos muffs.

V0-VSG-40490S0



PROTOS BT-COM USB CHARGER

Replacement charger for the Protos BT-COM system.

V0-VSG-99876



NOTCH EARMUFF HYGIENE KIT

Hygiene kit for Notch Hook Ups earmuffs.

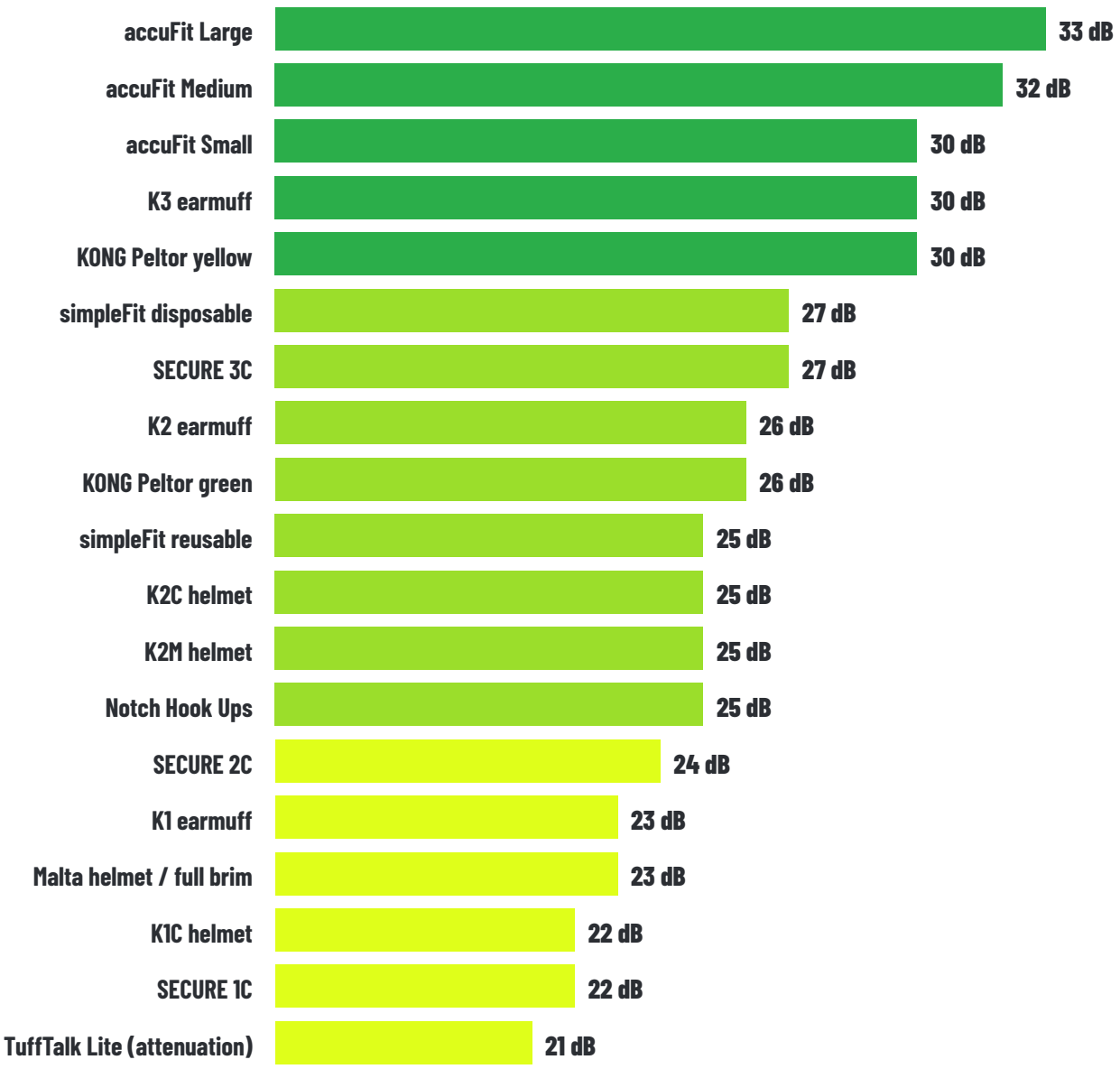
V0-VSG-99428

CHECK BEFORE EVERY SHIFT

Replace cracked, hardened or flattened cushions — a worn seal can cost several decibels. Keep muff cups clean and dry, and never stretch or bend the headband to loosen it.

NRR COMPARISON

Every NRR-rated product in this section, highest to lowest. Bars start at 15 dB.



MORE IS NOT ALWAYS BETTER

Over-protecting cuts off radios, backup alarms and the crew. Aim for a protected level of roughly 70–80 dB at the ear for most work.

SNR-ONLY PRODUCTS

Pfanner Protos earmuffs are rated SNR 26 to the European standard and are not shown on this NRR chart.



HARD HATS · CLIMBING-STYLE · RESCUE · WATER

HEAD PROTECTION

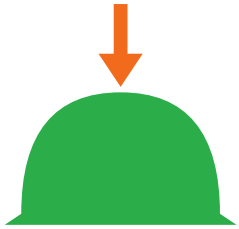
From full-brim Class E hard hats for linework to climbing-style helmets that stay on in a fall, and rescue and swiftwater helmets for technical teams. Many come with matching earmuffs and face shields.

HexArmor Ceros | Petzl | KONG | Singing Rock | Studson | Malta Dynamics | PMI | Pacific | Pfanner Protos | NRS | WRSI

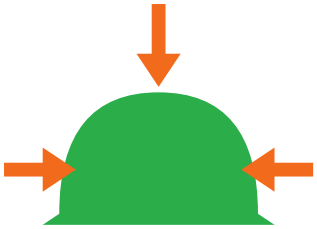
TYPES, CLASSES & LAYERS

Two letters on a U.S. helmet label tell you most of what you need: the Type (where it protects) and the Class (electrical rating).

TYPE — WHERE IT PROTECTS



Type I / Type 1 — tested for blows to the top of the head.

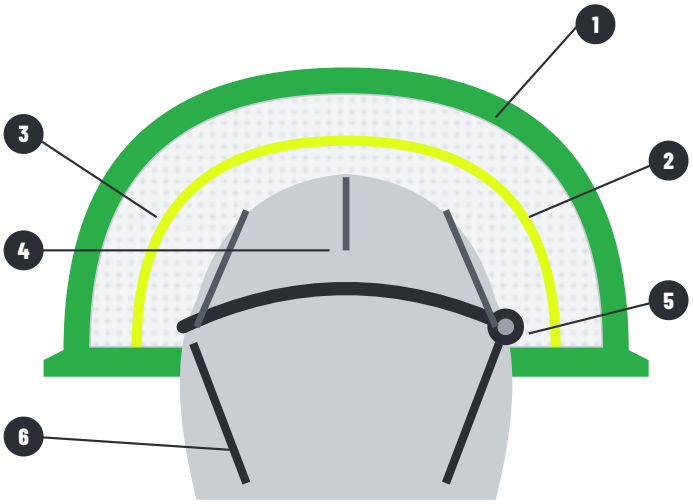


Type II / Type 2 — top plus front, back, sides and off-center blows; also tested for penetration on the sides.

CLASS — ELECTRICAL RATING

E	**Electrical** — proof-tested to 20,000 volts. Non-vented shells. For linework and electrical work.
G	**General** — proof-tested to 2,200 volts.
C	**Conductive** — no electrical protection. Often vented for airflow.

Class ratings protect against contact with energized conductors from above — they are not a substitute for insulating gloves, cover-up or approach distances.



1 OUTER SHELL
ABS, polycarbonate, Kevlar or carbon composite spreads a blow and resists penetration.

2 IMPACT LINER
EPS or EPP foam crushes to absorb energy — the layer that makes a Type 2 or climbing helmet protect the sides.

3 LOW-FRICTION LAYER (MIPS)
Lets the helmet move a few millimeters relative to the head in angled impacts to help reduce rotational motion.

4 SUSPENSION
Straps hold the shell off the head so the gap can absorb impact; also sets fit and ventilation.

5 RATCHET / FIT SYSTEM
Wheel or dial snugs the headband for a stable fit, one-handed.

6 CHIN STRAP
Keeps the helmet on in a slip or fall. Climbing-style straps are stronger; EN 397 straps release to prevent choking.

STANDARD	WHAT IT COVERS
ANSI/ISEA Z89.1	U.S. industrial head protection — sets Type and Class.
EN 397	European industrial helmet: top impact, penetration; chin strap releases at 15–25 daN.
EN 12492	Mountaineering helmet: side, front and rear impact; chin strap must hold.
NFPA 1951	Technical rescue helmet for fire and rescue teams.
EN 1385	Canoe and whitewater helmets — for swiftwater, not industrial use.

ANATOMY OF A SAFETY HELMET // CEROS XP450A WITH MIPS

A modern climbing-style safety helmet, part by part.



1. **SHORT-BRIM SHELL**
   A short brim opens your upward view when climbing or working overhead; extra coverage at the back of the head.
2. **HEXVENT AIRFLOW**
   Air enters at the front and exits at the rear. Vented helmets are Class C — choose the AE version for Class E.
3. **MIPS LINER**
   A low-friction layer inside the helmet helps redirect rotational motion away from the head in angled impacts.
4. **SWIFTLOCK RATCHET**
   One-hand wheel ratchet with padding sets the fit without taking the helmet off.
5. **FOUR-POINT CHIN STRAP**
   Removable four-point strap keeps the helmet in place when you bend, climb or fall.

INSPECT EVERY USE

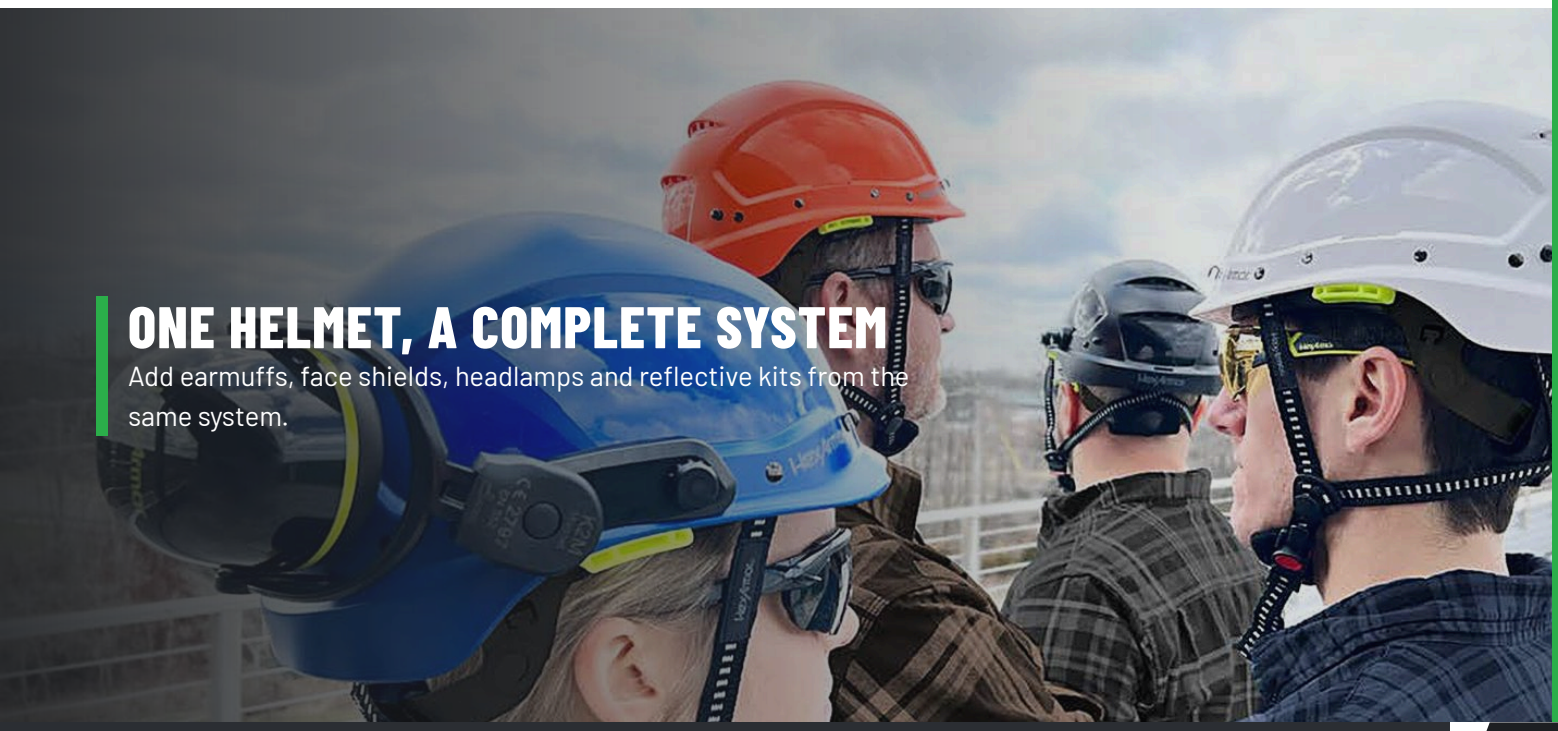
Check the shell for cracks, dents, chalky or faded spots, and the suspension for frayed straps or broken clips.

REPLACE AFTER IMPACT

Replace any helmet that takes a significant blow, even with no visible damage. Follow the maker's service-life guidance.

KEEP IT CLEAN

Mild soap and water. No solvents, paint or stickers not approved by the manufacturer — they can weaken the shell.



ONE HELMET, A COMPLETE SYSTEM

Add earmuffs, face shields, headlamps and reflective kits from the same system.

HEXARMOR CEROS SAFETY HELMETS

Type 1 and Type 2 safety helmets in ten colors, with matching Ceros earmuffs and face shields.



HEXARMOR

CEROS // XP450A & XP450AE WITH MIPS

TYPE	CLASS		ANSI
1	C / E	MIPS	Z89.1

- Short brim opens up your upward view; extra back-of-head coverage
- Mips low-friction layer helps redirect rotational motion in angled impacts
- XP450A: HexVent front-to-back airflow, Class C. XP450AE: sealed shell, Class E
- SwiftLock one-hand wheel ratchet; removable 4-point chin strap; Click-and-Go and mechanical accessory mounts

FITS WITH

Ceros K1C · K2C · K2M earmuffs, Ceros face shields

10 COLORS

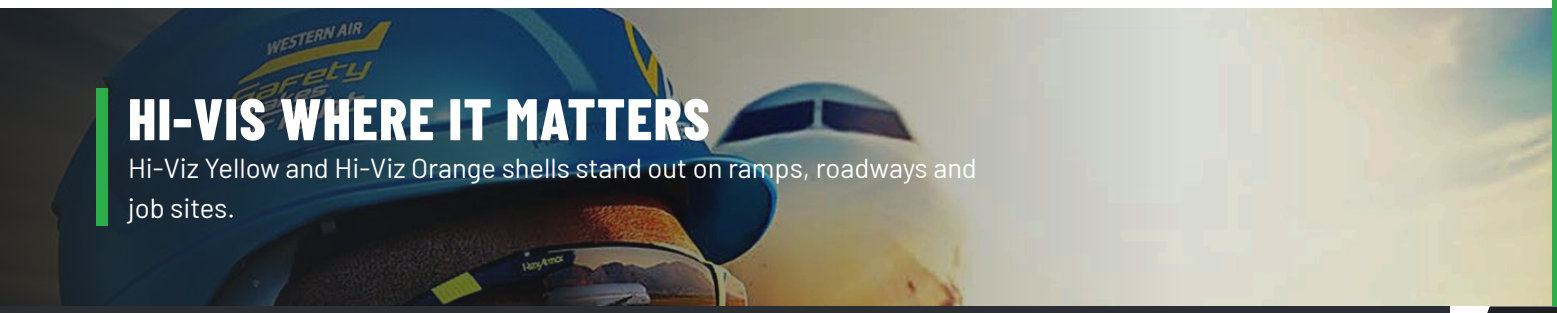


White · Blue · Yellow · Green · Orange · Gray · Black · Red · Hi-Viz Orange · Hi-Viz Yellow

COLOR CODE · LAST THREE DIGITS OF THE ITEM

-001 White	-002 Blue	-003 Yellow	-004 Green	-005 Orange
-006 Gray	-007 Black	-008 Red	-009 Hi-Viz Orange	-010 Hi-Viz Yellow

ITEM # XP450A vented: VO-HEX-16-14001M ... 14010M · XP450AE non-vented: VO-HEX-16-15001M ... 15010M — each -E (single) / -20C (case of 20)



HI-VIS WHERE IT MATTERS

Hi-Viz Yellow and Hi-Viz Orange shells stand out on ramps, roadways and job sites.

HEXARMOR CEROS // CONTINUED



HEXARMOR

CEROS // XP300 & XP300E FULL BRIM

TYPE	CLASS	ANSI	
1	C / E	Z89.1	USA

- Full brim with extended rear and 360° rain lip for sun and rain
- Pre-assembled 4-point AirBridge suspension with a low center of gravity — less wobble
- XP300: adjustable HexVent, Class C. XP300E: non-vented, Class E
- SwiftLock ratchet; removable washable sweatband; made in the USA

FITS WITH

Ceros K1C · K2C · K2M earmuffs, Ceros face shields

10 COLORS

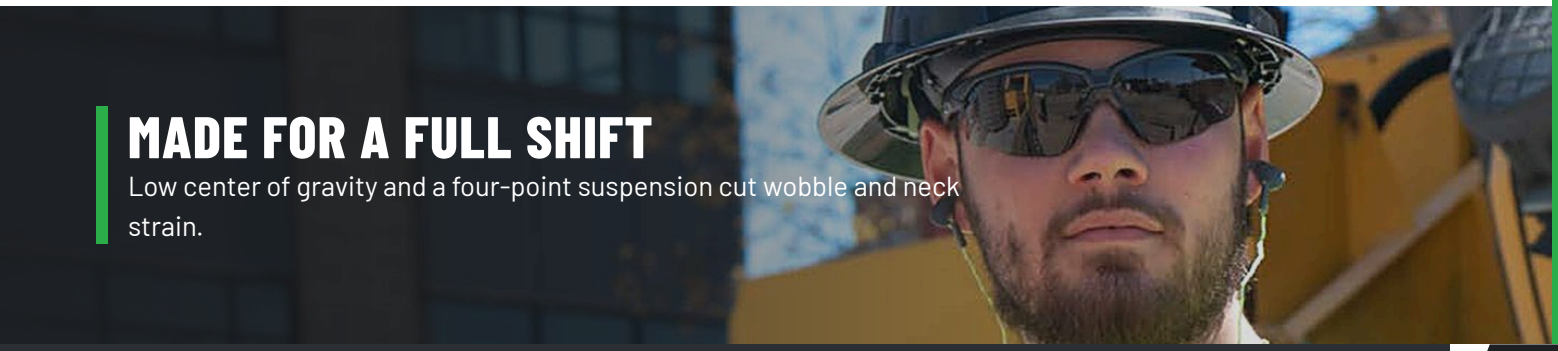


White · Blue · Yellow · Green · Orange · Gray · Black · Red · Hi-Viz Orange · Hi-Viz Yellow

COLOR CODE · LAST THREE DIGITS OF THE ITEM

-001 White · -002 Blue · -003 Yellow · -004 Green · -005 Orange
-006 Gray · -007 Black · -008 Red · -009 Hi-Viz Orange · -010 Hi-Viz Yellow

ITEM # XP300 vented: VO-HEX-16-22001 ... 22010 · XP300E non-vented: VO-HEX-16-23001 ... 23010 — each -E / -20C



MADE FOR A FULL SHIFT

Low center of gravity and a four-point suspension cut wobble and neck strain.

HEXARMOR CEROS // CONTINUED



HEXARMOR

CEROS // XT400 & XT400E FULL BRIM TYPE 2

TYPE	CLASS	MIPS OPT.
2	C / E	

ANSI Z89.1

- Type 2: ABS shell plus EPS foam liner for top, front, rear and side impacts
- Pre-assembled 4-point chin strap, adjustable head ring and padded sweatband
- XT400 vented Class C; XT400E non-vented Class E — each also offered with Mips
- Scalloped brim edge for earmuffs; front and rear headlamp clips

FITS WITH

Ceros K1C · K2C · K2M earmuffs, Ceros face shields

10 COLORS

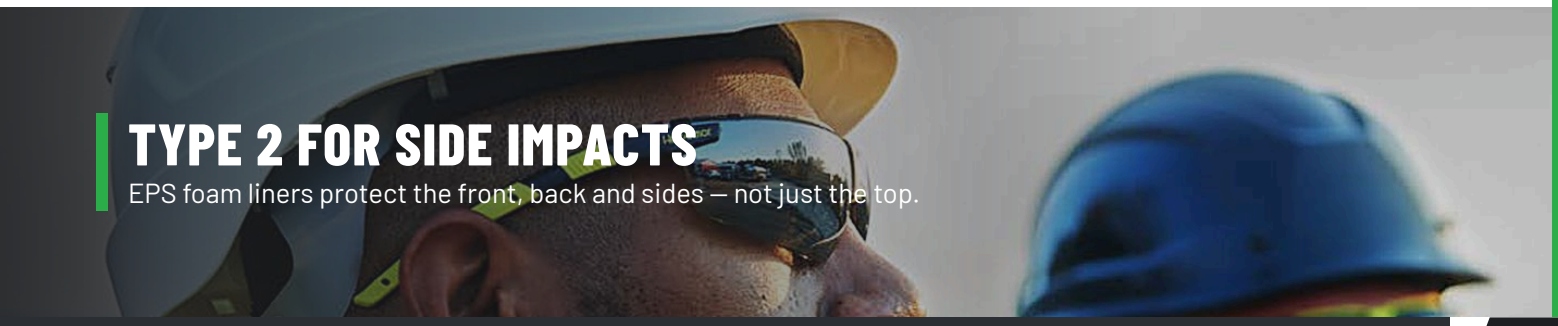


White · Blue · Yellow · Green · Orange · Gray · Black · Red · Hi-Viz Orange · Hi-Viz Yellow

COLOR CODE · LAST THREE DIGITS OF THE ITEM

-001 White	-002 Blue	-003 Yellow	-004 Green	-005 Orange
-006 Gray	-007 Black	-008 Red	-009 Hi-Viz Orange	-010 Hi-Viz Yellow

ITEM # XT400: VO-HEX-16-30001 ... 30010 · XT400 Mips: 16-30001M ... 30010M · XT400E: 16-31001 ... 31010 · XT400E Mips: 16-31001M ... 31010M — each -E / -20C



TYPE 2 FOR SIDE IMPACTS

EPS foam liners protect the front, back and sides — not just the top.

LINEMAN & ARBORIST KITS // HEAD, FACE & HEARING

Two lineman kits and an arborist kit, each assembled from matching parts — order one item number and get the whole setup.



KIT

XT400E // LINEMAN HEAD, FACE & HEARING KIT

Type 2 Class E XT400E full-brim helmet (standard or Mips) with chin strap, TruSpan universal face shield and K1C (22 dB) or K2C (25 dB) earmuffs. 10 helmet colors.

ITEM # VO-HEX-LHPK-XT-[color]-K1C / -K2C (standard) · VO-HEX-LHPK-XTM-[color]-K1C / -K2C (Mips). Colors: BLK BLU GRN GRY HVO HVY ORG RED WHT YEL



KIT

XP450AE // HELMET, FACE SHIELD & EARMUFF KIT

Type 1 Class E XP450AE (standard or Mips) with chin strap, TruSpan face shield and K1C or K2C earmuffs. 10 helmet colors.

ITEM # VO-HA-XP450AE-STD-K1C / -K2C-[color] · VO-HA-XP450AE-MIPS-K1C / -K2C-[color]. Colors: BLK BLU GRN GRY HVO HVY ORG RED WHT YEL

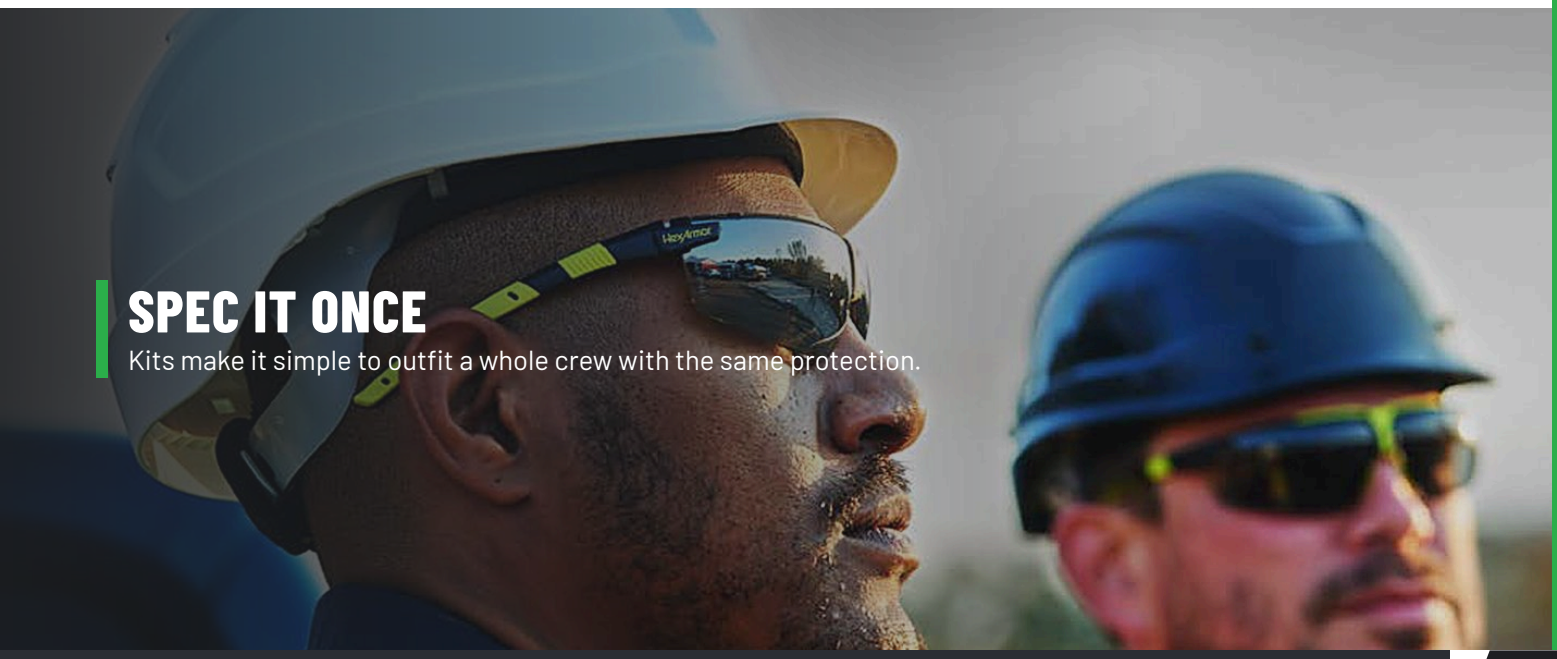


KIT

SINGING ROCK // ARBORIST HEAD PROTECTION KIT

FLASH ACCESS helmet, SAFE 2 FLEX carrier, SAFE steel-mesh visor and SECURE earmuffs. EN 397, EN 12492, EN 1731. Choose hi-viz yellow or red and 1C/2C/3C muffs.

ITEM # VO-LM-SR-AHPK-RED-25 / -29 / -31 · VO-LM-SR-AHPK-YEL-25 / -29 / -31 (25/29/31 = SNR of 1C/2C/3C earmuffs)



SPEC IT ONCE

Kits make it simple to outfit a whole crew with the same protection.

WORK-AT-HEIGHT HELMETS

Climbing-style helmets with secure chin straps for towers, rope access, arborist and construction work.



PETZL

VERTEX VENT // ANSI

TYPE	CLASS	ANSI	EN
1	C	Z89.1	397/12492

- Six-point textile suspension; CENTERFIT side wheels keep the helmet centered
- FLIP&FIT headband sits low for a secure fit; folds in for storage
- Sliding shutters open or close the vents

VERSION / COLORS	ITEM #
Black	VO-VSG-VTVA-BK
Blue	-BL
Green	-GR
Orange	-OR
Red	-RD
White	-WH
Yellow	-YL
Hi-Viz Yellow / Orange w/ reflective bands	VO-VSG-VVHA-YL / -OR



PETZL

STRATO VENT // ANSI

TYPE	CLASS	ANSI	EN
1	C	Z89.1	397/12492

- Lightweight EPP/EPS construction with adjustable vents
- CENTERFIT and FLIP&FIT fit systems; DUAL adjustable-strength chinstrap
- Offered bare or pre-paired with SENA comms and earmuffs

VERSION / COLORS	ITEM #
Helmet only	VO-VSG-STVA-BK / -RD / -WH / -YL
+ SENA Work4 + 3M muffs	VO-VSG-STVA-W4-BK / -RD / -WH
+ SENA Work4 + Notch Hook Ups	VO-VSG-STVA-NW4-BK / -RD / -WH / -YL
+ SENA 33i + Notch Hook Ups	VO-VSG-STVA-33i-BK / -RD / -WH / -YL
STRATO HI-VIZ (Type 1 Class E, EN 50365)	VO-VSG-SHVA-YL / -OR

WORK-AT-HEIGHT HELMETS // CONTINUED





KONG

MOUSE WORK

EN	SIZE
397	52–64

- Light, ventilated ABS helmet for work at height and construction
- Glove-friendly adjustment wheel; chinstrap opens at 15–25 daN per EN 397
- Headlamp clips and pre-drilled visor/earmuff holes; reflective versions for EMS

VERSION / COLORS	ITEM #
Blue · Black · Orange · Red · White · Yellow	**VO-KONG-99718AA02KK · AN · AO · AR · AW · AY**
Red / White Reflective · Yellow Fluo Reflective	**VO-KONG-99718FR02KK · FW · FY**
Orange / Yellow Fluo Reflective Soft Touch	**VO-KONG-99718RO02KK · RY**





KONG

SPIN

ANSI	EN	WT
Z89.1	397	385 g

- Shock-absorbing ABS work helmet certified to ANSI Z89.1-2014 and EN 397
- Removable, washable padding; one size 52–62 cm
- Integrated clips for KONG visors and earmuffs; four headlamp clips

VERSION / COLORS	ITEM #
Blue · Orange · Red · White · Yellow	**VO-KONG-99720AA10KK · AO · AR · AW · AY**

WORK-AT-HEIGHT HELMETS // CONTINUED



SINGING ROCK

FLASH // AERO · ACCESS · INDUSTRY

EN	SIZE
397	53–63

- ABS/PC shell with a liner-free design; universal 30 mm accessory slots
- AERO: vented, EN 397/12492. ACCESS: non-vented, EN 397/12492, 440 V AC
- INDUSTRY: non-vented EN 397, 440 V AC, three depth settings

VERSION / COLORS	ITEM #
AERO — Red / Hi-Viz Yellow	**VO-LM-497866 / 497867**
ACCESS — Red / Hi-Viz Yellow	**VO-LM-497868 / 497869**
INDUSTRY — Hi-Viz Yellow / Red / White / Black	**VO-LM-497650 / 51 / 52 / 53**





SINGING ROCK

BLAST // VENTED WORK HELMET

EN	WT	SIZE
397	420 g	53–61

- ABS/PC shell with EPS impact liner; steel-mesh-protected vents
- Rear rotary adjustment; height-adjustable forehead band
- Removable, washable padding

VERSION / COLORS	ITEM #
Orient Red · Berry Blue · Neon Yellow	**VO-LM-498200 · 498201 · 498202**
Onyx Black · Polar White · Saffron Gold	**VO-LM-498203 · 498204 · 498205**



WORK-AT-HEIGHT HELMETS // CONTINUED





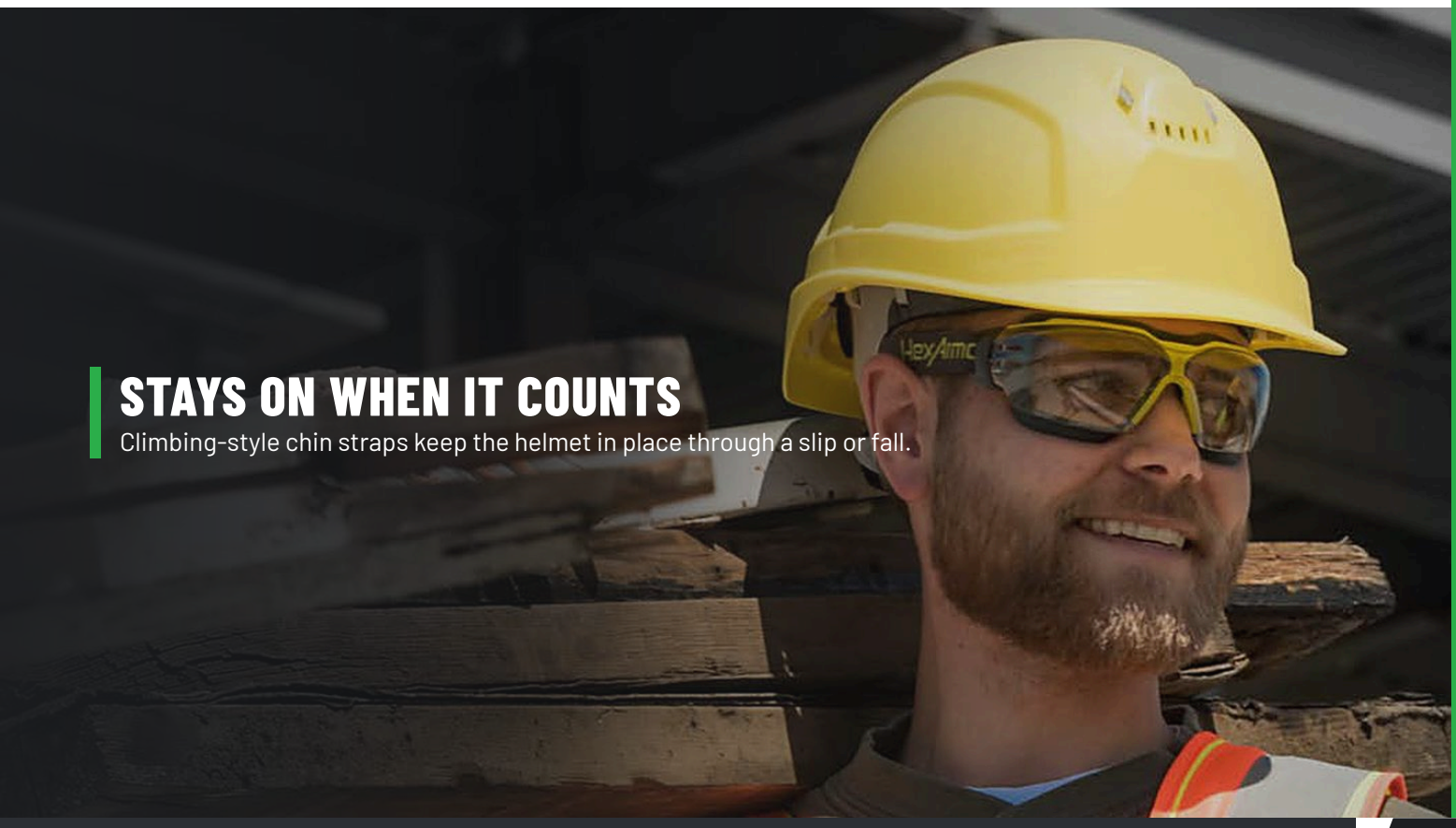
ROCK HELMETS

DYNAMO // ANSI

TYPE	CLASS	ANSI
1	C	Z89.1

- ABS outer shell with EPS inner shell
- Removable chin strap with quick-release buckle (>50 daN)
- Integrated 30 mm slots for hearing protection

VERSION / COLORS	ITEM #
Black · Fluo Orange · Green · Red	**VO-LM-449980 · 449981 · 449982 · 449983**



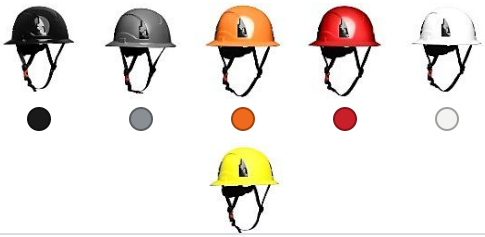
STAYS ON WHEN IT COUNTS

Climbing-style chin straps keep the helmet in place through a slip or fall.

HARD HATS // TYPE 2 & FULL BRIM

Traditional profiles with modern Type 2 protection for construction, utilities and public works.





MALTA DYNAMICS

APEX // TYPE 2 HELMETS

TYPE	CLASS	ANSI	EN
2	C / E	Z89.1	12492

- Type 2 protection: top, sides, front and rear
- ABS shell, six-point suspension with ratchet, four-point chin strap
- Class E full-brim version protects to 20,000 V

VERSION / COLORS	ITEM #
Standard brim, Class C — Black/Blue/Gray/Orange/Red/White/Yellow	**V0-VSG-VSGMD-HTB2000 · HTBL2000 · HTG2000 · HTO2000 · HTR2000 · HTW2000 · HTY2000**
Full brim vented, Class C — Black/Gray/Orange/Red/White/Yellow	**V0-VSG-HHBLK4004 · -GRY · -ORG · -RED · -WHT · -YEL**
Full brim non-vented, Class E — Gray/Orange/White/Yellow	**V0-VSG-HHY3004-GRY · -ORG · -WHT · -YEL**







STUDSON

SHK-1 // SAFETY HELMETS

TYPE	CLASS	ANSI	WT
2	C / E	Z89.1	495 g

- Koroyd tubes crumple on impact to absorb direct and angled forces
- Twiceme NFC chip stores emergency info for first responders
- Fidlock magnetic chin strap; 360° fit system; ABS shell, EPS liner

VERSION / COLORS	ITEM #
Standard brim Class C vented — M/L 53–59, L/XL 58–63 cm	**V0-VSG-SHK-1-SHK1CLACVE-ML · -SHK1CLASSCVENT-LXL5863CM**
Standard brim Class E non-vented — M/L, L/XL	**V0-VSG-SHK-1-SHK1CLAENO-ML · -SHK1CLASSENONV-LXL5863CM**
Full brim Class E non-vented — Gray / White	**V0-VSG-SHK-1-GRY / -WHT**

RESCUE & ARBORIST HELMETS

Technical rescue, USAR, fire and arborist helmets built to carry lights, shields and comms.



PMI

ADVANTAGE // KEVLAR RESCUE HELMET

NFPA	SIZE
1951	52-64

- Kevlar shell with traditional rescue-helmet styling
- Ratchet headband, 3-point chinstrap, headlamp retainer, goggle mounts
- Compliant with NFPA 1951 as a utility technical rescue helmet

VERSION / COLORS	ITEM #
Orange · Red · Blue · White	**VO-PMI-HL33011 · HL33012 · HL33013 · HL33014**
Fluorescent Green · Matte Black	**VO-PMI-HL33018 · HL33035**



PMI

IMPACT // ANSI HELMET

TYPE	CLASS	EN	NFPA
1	G	397	1951

- Increased side-impact protection in a vented shell
- Wheel ratchet headband and DryTech sweatband
- Micro-peak brim deflects debris without blocking your upward view

VERSION / COLORS	ITEM #
Hi-Viz Orange / Hi-Viz Yellow	**VO-PMI-HL33093 / HL33094**

RESCUE & ARBORIST HELMETS // CONTINUED





PACIFIC

R6 CHALLENGER · R6L PATROLLER

USE
RESCUE

- R6 Challenger: lightweight, low-profile multi-purpose helmet with integrated retention
- R6L Patroller: Kevlar/fiberglass shell, larger fit, Picatinny rails and VAS shroud
- Reflective detailing; accessory mounting points

VERSION / COLORS	ITEM #
R6 — Red / White / Green / Black	**VO-PMI-PNZ1091019 / 020 / 021 / 022**
R6L — Satin Black / Satin Red / Satin Rescue Blue	**VO-PMI-R6L-SATBLK / -SATRED / -SATRESBLU**





PFANNER

PROTOS // INTEGRAL ARBORIST SYSTEM

ANSI **Z89.1** | Z87.1 | EN **397/12492**

- Integrated helmet, earmuffs and retractable face shield in one low-profile system
- Swept-back shape and few protruding parts to avoid snagging; adjustable ventilation
- Fits 54–62 cm; offered helmet-only or with SENA Work4 or 33i comms

VERSION / COLORS	ITEM #
Helmet only (20 colorways)	**VO-VSG-PROTOS-[color] e.g. -BK, -RDBK, -YB, -NYB, -WG**
With SENA Work4	**VO-VSG-PROTOS-W4-[color]**
With SENA 33i	**VO-VSG-PROTOS-33i-[color]**

SWIFTWATER & WATER RESCUE HELMETS

EN 1385 helmets that drain fast, float-friendly liners and retention built for moving water.





NRS

TACTYL // RESCUE HELMET

EN	SIZE
1385	51-61

- Built for rescue pros: front NVG/MPLS shroud and ARC-compatible side rails
- ABS shell with multi-impact EPP liner that doesn't absorb water
- Quick-drying EVA padding; vented

VERSION / COLORS	ITEM #
Sizes XS/S · S/M · M/L · L/XL · XL/XXL	**VO-NRS-42603.01-[BLK · HVYEL · ORG · RED · WHT]-[XSS · SM · ML · LXL · XL2XL]**





NRS

NESO // WHITEWATER HELMET

EN	SIZE
1385	51-61

- Light ABS shell with multi-impact EPP liner
- 11 vent and drainage openings
- Soft closed-cell EVA padding

VERSION / COLORS	ITEM #
Sizes XS/S · S/M · M/L · L/XL · XL/XXL	**VO-NRS-42602.01-[BLK · BLU · GRN · PLU · RED · WHT]-[XSS · SM · ML · LXL · XL2XL]**

SWIFTWATER & WATER RESCUE HELMETS // CONTINUED



WRSI

CURRENT // VENTED HELMET

EN	SIZE
1385	53–62

- ABS shell, EVA liner and polyurethane sub-shell dissipate impact
- Interconnect Retention System keeps the helmet in place in moving water
- Removable, replaceable padded liner

VERSION / COLORS	ITEM #
Fjord S/M · L/XL	**VO-NRS-43000.03-FJORD-SM-V1 / -FJORD-LXL-V1**
Ghost S/M · M/L	**-GHOST-SM-V1 / -GHO-ML**
Lime Green S/M · M/L	**-LIMEGREEN-SM-V1 / -LIMGRN-ML**
Phantom S/M · L/XL · Salsa S/M	**-PHANTOM-SM-V1 / -PHANTOM-LXL-V1 · -SALSA-SM-V1**



WRSI

TRIDENT // CARBON COMPOSITE

EN	SIZE
1385	53–62

- Non-vented carbon-composite shell for a low profile in moving water
- EVA impact liner and polyurethane sub-shell; Interconnect Retention
- Plush removable liner

VERSION / COLORS	ITEM #
Carbon · Ghost · Phantom · Poseidon — S/M, M/L, L/XL	**VO-NRS-43002.03-CARBON-SM-V1 · -CAR-ML · -CARBON-LXL-V1 (same pattern: GHOST/GHO, PHANTOM/PHA, POSEIDON/POS)**

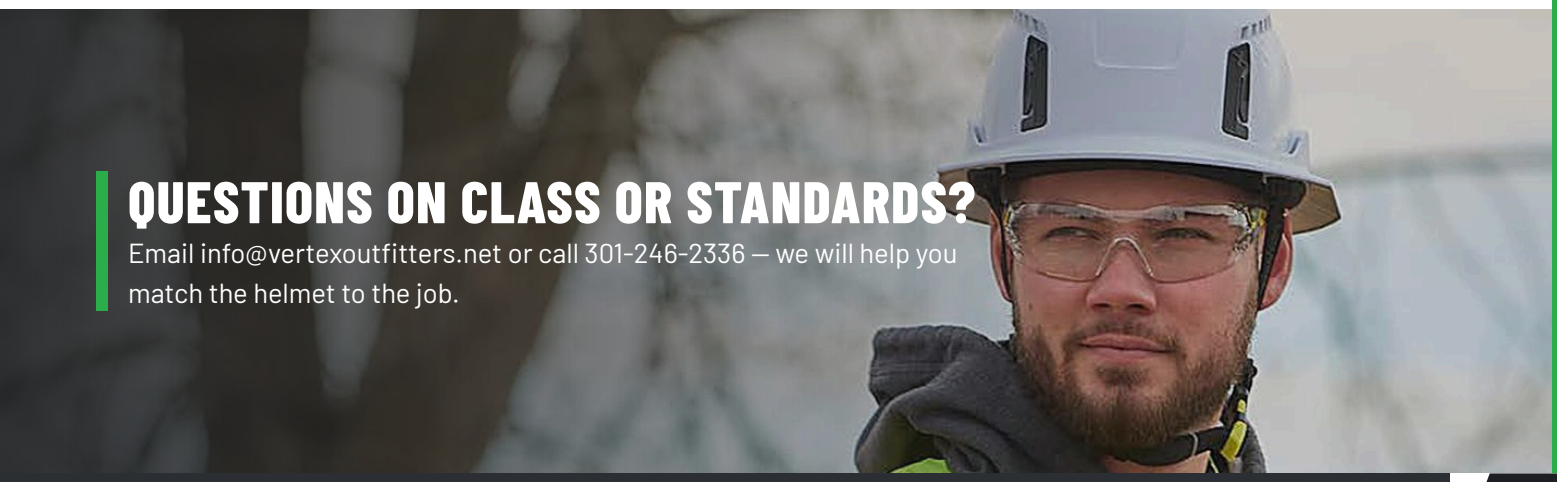
HELMET SELECTION CHART

Type, class and standards for every helmet in this section. "—" means not rated to that U.S. classification.

HELMET	TYPE	CLASS	BRIM / STYLE	MIPS	STANDARDS
HexArmor Ceros XP450A Mips	1	C	Short	•	Z89.1, EN 397
HexArmor Ceros XP450AE Mips	1	E	Short	•	Z89.1
HexArmor Ceros XP300	1	C	Full	–	Z89.1
HexArmor Ceros XP300E	1	E	Full	–	Z89.1
HexArmor Ceros XT400 / Mips	2	C	Full	opt.	Z89.1
HexArmor Ceros XT400E / Mips	2	E	Full	opt.	Z89.1
Petzl VERTEX VENT (+HI-VIZ)	1	C	Short	–	Z89.1, EN 397, EN 12492
Petzl STRATO VENT	1	C	Short	–	Z89.1, EN 397, EN 12492
Petzl STRATO HI-VIZ	1	E	Short	–	Z89.1, EN 397, EN 50365
KONG MOUSE WORK	–	–	Short	–	EN 397
KONG SPIN	–	–	Short	–	Z89.1, EN 397
Singing Rock FLASH AERO / ACCESS	–	–	Short	–	EN 397, EN 12492
Singing Rock FLASH INDUSTRY	–	–	Short	–	EN 397 (440 V AC)
Singing Rock BLAST	–	–	Short	–	EN 397
Rock Helmets DYNAMO	1	C	Short	–	Z89.1
Malta APEX standard / full brim vented	2	C	Std / Full	–	Z89.1, EN 12492
Malta APEX full brim non-vented	2	E	Full	–	Z89.1, EN 12492
Studson SHK-1 standard brim	2	C / E	Std	–	Z89.1
Studson SHK-1 full brim	2	E	Full	–	Z89.1
PMI Advantage	–	–	Rescue	–	NFPA 1951
PMI Impact	1	G	Micro-peak	–	Z89.1, EN 397, NFPA 1951
Pacific R6 / R6L	–	–	Rescue	–	–
Pfanner Protos Integral	–	–	Arborist	–	Z89.1, Z87.1, EN 397, EN 12492
NRS Tactyl / Neso	–	–	Water	–	EN 1385
WRSI Current / Trident	–	–	Water	–	EN 1385

WORKING NEAR POWER?

Choose a Class E helmet — non-vented shells only. Vented helmets are Class C even when the rest of the design matches.



QUESTIONS ON CLASS OR STANDARDS?

Email info@vertexoutfitters.net or call 301-246-2336 — we will help you match the helmet to the job.

HEAD PROTECTION ACCESSORIES

Replacement suspensions, chin straps, pads and add-ons that keep helmets in service.



HEXARMOR AIRBRIDGE SUSPENSION WITH MIPS

6-point replacement for XP450A/AE Mips.

VO-HEX-17-19007-E / -100C



HEXARMOR CEROS XP 4-POINT CHIN STRAP

Metal-free, padded chin; bundle of 10.

VO-HEX-17-11001-10B / -500C



ERGODYNE SKULLERZ 8961 REFLECTIVE KIT

3M prismatic stickers: silver, yellow, blue, green, red, orange.

VO-ZOR-61100 ... 61105



KONG MOUSE ADJUSTABLE HEADBAND

Replacement for MOUSE WORK & SPORT.

VO-KONG-997052100KK



KONG MOUSE WORK PADDING

Antibacterial foam pad set, grey.

VO-KONG-997057F00KK



KONG SPIN PADDING

Antibacterial foam pad set, black.

VO-KONG-997200000KK



MALTA APEX SUSPENSION + CHIN STRAP

6-point suspension and 4-point chin strap.

VO-VSG-HT0011



MALTA FULL BRIM CHIN STRAP

Class C / Class E full-brim strap.

VO-VSG-VSGMD-HT0014 / HT0015



MALTA FULL BRIM RATCHET HEADBAND

Replacement ratchet suspension.

VO-VSG-HT0013



MALTA FULL BRIM INNER PAD

Replacement comfort pad.

VO-VSG-HT0012



MALTA FACE SHIELD BRACKET

Mounts a shield on APEX full brim.

VO-VSG-HTV0007



PMI ADVANTAGE CHIN STRAP

Fits all PMI Advantage helmets.

VO-PMI-HL33019



PROTOS INTEGRAL CHIN STRAP

Adjustable length and ear position.

VO-VSG-15562



PROTOS HEADBAND

Cocona fiber; machine washable.

VO-VSG-15568



SINGING ROCK BLAST PADDING

Washable replacement pad set.

VO-LM-498206



GLASSES · GOGGLES · BALLISTIC · SHIELDS · VISORS

EYE & FACE

Safety glasses for every light condition, gasketed and sealed goggles for dust and splash, military-ballistic eyewear, and helmet-mounted face shields and mesh visors for chips, debris and arc.

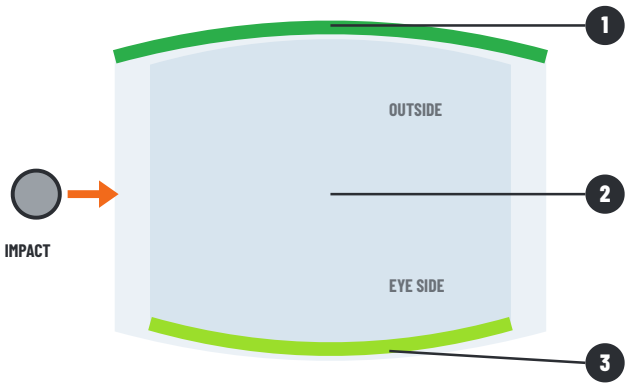
HexArmor | Wiley X | Petzl | KONG | Pfanner Protos | Singing Rock | Malta Dynamics

READ THE LENS MARKING

Every pair of U.S. safety eyewear is stamped. These codes tell you what it was tested for.

ANSI/ISEA Z87.1 MARKINGS

Z87	Basic impact	**Z87+**	High impact — a steel ball at high velocity	**D3**	Splash and droplet	**D4**	Dust
D5	Fine dust	**U**	UV filter (U6 = 99.9% blocked)	**L**	Visible-light filter (tint)	**V**	Photochromic — darkens in sunlight
S	Special-purpose lens	**W**	Welding shade	**H**	Sized for smaller heads		



1 HARD COAT
Scratch-resistant outer coating keeps the lens clear through cleaning and grit.

2 POLYCARBONATE LENS
Impact-resistant lens that blocks UV. Rated Z87+ for high-velocity impact.

3 ANTI-FOG COAT
Inner coating sheds fog. Permanent coatings such as HexArmor TruShield last through repeated washing.

PICK THE LENS FOR THE LIGHT

CLEAR
Indoors, night and low light.

AMBER
Boosts contrast in flat or low light.

CBR65
Contrast lens for mixed and changing light.

GREY / SMOKE
Bright sun — cuts brightness, keeps true colors.

LIGHT RUST
Sharper contrast and depth outdoors.

MIRROR
Extra glare cut in very bright light.

PHOTOCHROMIC
Darkens outdoors, clears indoors.

POLARIZED
Cuts reflected glare off water and roads.

MIL-PRF-32432

U.S. military ballistic standard for spectacles and goggles — tested against fragments at far higher velocity than Z87+.

EN 1731 MESH

European standard for mesh face screens used against chips and debris. Mesh does not stop splash or fine dust.

ARC & FACE SHIELDS

For arc flash, use a shield rated for it (EN 170 / arc-tested) and wear safety glasses underneath.

SAFETY GLASSES

HexArmor eyewear with LTX lenses and permanent TruShield anti-fog coatings. Lens circles show every option we carry.



HEXARMOR

MX300

Z87	CSA	EN	UV
+	Z94.3	166	100%

- Wraparound LTX lens with integrated brow guard; Optical Class 1
- Dual-injection soft-grip temples, soft nose piece, eye vent channel
- TruShield anti-fog/anti-scratch; 2SF for direct fog or steam

LENS	ITEM # (VO-HEX-...)
Clear	11-13001-02
Amber	11-13002-02
Grey 23%	11-13003-02
Grey 14%	11-13004-02
CBR65	11-13005-02
Clear 2SF	11-13006-05

Add -12P 12-pair pack / -192C case



HEXARMOR

MX250

Z87	CSA	EN	UV
+	Z94.3	166	100%

- Lightweight panoramic lens with built-in brow guard; Optical Class 1
- Dual-injection soft-grip side arms hold without pressure
- Five lens options from clear to mirror and photochromic

LENS	ITEM # (VO-HEX-...)
Clear	11-14001-02
Grey 23%	11-14003-02
Silver Mirror	11-14004-06
Variomatic	11-14005-08
Variomatic Dark	11-14006-08

Add -12P / -192C



HEXARMOR

LT400 · LT400G

Z87	CSA	UV
+	Z94.3	100%

- Rimless panoramic lens with extended side protection and brow guard
- Metal-free frame with open-rail temples
- LT400G adds a removable foam gasket against dust and debris

LENS	ITEM # (VO-HEX-...)
Clear	11-22001-02 · G: 11-28001-02
Grey 23%	11-22002-02 · G: 11-28002-02
Clear 2SF	11-22003-05 · G: 11-28003-05

Add -12P / -192C

SAFETY GLASSES // CONTINUED



HEXARMOR

VS300G · VS450G GASKETED

Z87	EN	GASKET
+	166	✓

- Removable gaskets help seal out dust, dirt and airborne debris
- VS300G: hard/soft frame, 7 temple inclination settings, metal-free
- VS450G: TPE gasket, soft brow guard with sweat channel, 3-position temples

LENS	ITEM # (VO-HEX-...)
Clear	VS300G 11-25001-02 · VS450G 11-30001-02
Grey 23%	11-25002-02 · 11-30002-02
Variomatic	VS300G 11-25003-08

Add -12P / -192C



HEXARMOR

MX350 GASKETED

Z87	CSA	
+	Z94.3	D3/D4

- Bridges the gap between glasses and goggles: soft-seal frame with head strap
- D3/D4-rated ventilation for splash protection with airflow
- Integrated brow guard

LENS	ITEM # (VO-HEX-...)
Clear	11-23001-04

Add -12P / -192C



HEXARMOR

VS250

Z87	UV
+	100%

- Lightweight wraparound frame for everyday industrial wear
- Contoured lens for broad coverage and an open field of view
- TruShield S coating

LENS	ITEM # (VO-HEX-...)
Clear	11-15001-04
Grey 23%	11-15003-04
CBR65	11-15006-04

Add -12P / -192C

SAFETY GLASSES & GOGGLES



HEXARMOR

VUFLIGHT

Z87 +

- Low-profile wraparound for all-day wear
- Built-in reader magnifiers +1.5, +2.0 and +2.5 in clear or grey
- Anti-scratch

LENS	ITEM # (VO-HEX-...)
Clear	13-10001-15
Grey 12%	13-10002-15
Partial Blue Mirror	13-10004-15
Clear +1.5	13-10008-15
Clear +2.0	13-10009-15
Clear +2.5	13-10010-15
Grey 12% +1.5	13-10011-15
Grey 12% +2.0	13-10012-15
Grey 12% +2.5	13-10013-15

Add -12P / -120C



HEXARMOR

SHOCKWAVE

Z87 + | CSA Z94.3 | EN 166

- Sporty wide-lens frame that moves from the job site to everyday wear
- Hi-Vis: high-visibility temples and dual-adjustable nosepiece
- Black & White frame also available

LENS	ITEM # (VO-HEX-...)
Grey 12% Anti-Fog	Hi-Vis 13-12002-17
Blue Mirror	Hi-Vis 13-12005-15
High Contrast Polarized	Hi-Vis 13-12006-15
Blue Mirror	Black & White 13-11005-15

Add -Pr pair / -120C case



HEXARMOR

MX500 GOGGLE

Z87 + | EN 166

- Panoramic lens, indirect ventilation and soft facial seal
- Low profile to work with other PPE
- Cloth or neoprene strap

LENS	ITEM # (VO-HEX-...)
Clear	cloth 12-12001-02 · neoprene 12-12004-02
Grey 23%	cloth 12-12002-02 · neoprene 12-12005-02
Clear 2SF	neoprene 12-12003-05

Add -E each / -4P 4-pack

BALLISTIC EYEWEAR

Wiley X eyewear meets military ballistic standard MIL-PRF-32432 and ANSI Z87.1+ — for law enforcement, range, tactical and USAR teams.



WILEY X

SABER ADVANCED

Z87	MIL-PRF
+	32432

High-wrap shield with Smoke Grey, Clear and Light Rust lenses.

FRAME

ITEM # Black VO-WX-309 · OD Green VO-WX-308G · Tan VO-WX-308T



WILEY X

GUARD ADVANCED

Z87	MIL-PRF
+	32432

Low-profile interchangeable-lens frame; 3-lens kit.

FRAME

ITEM # VO-WX-4006



WILEY X

WX VALOR

Z87	MIL-PRF
+	32432

Semi-rimless; Smoke Grey, Clear and Light Rust lenses.

FRAME

ITEM # Black VO-WX-CHVAL06 · Tan VO-WX-CHVAL06T



WILEY X

WX VAPOR // COMM

Z87	MIL-PRF
+	32432

Thin COMM temples fit under headsets; 3-lens kit.

FRAME

ITEM # VO-WX-3552



WILEY X

SPEAR GOGGLE

Z87	MIL-PRF
+	32432

Adjustable ballistic goggle; 2-lens (Smoke/Clear) or 3-lens kit.

FRAME

ITEM # 2-lens VO-WX-SP29B / SP29T · 3-lens VO-WX-SP293B / SP293T



WILEY X

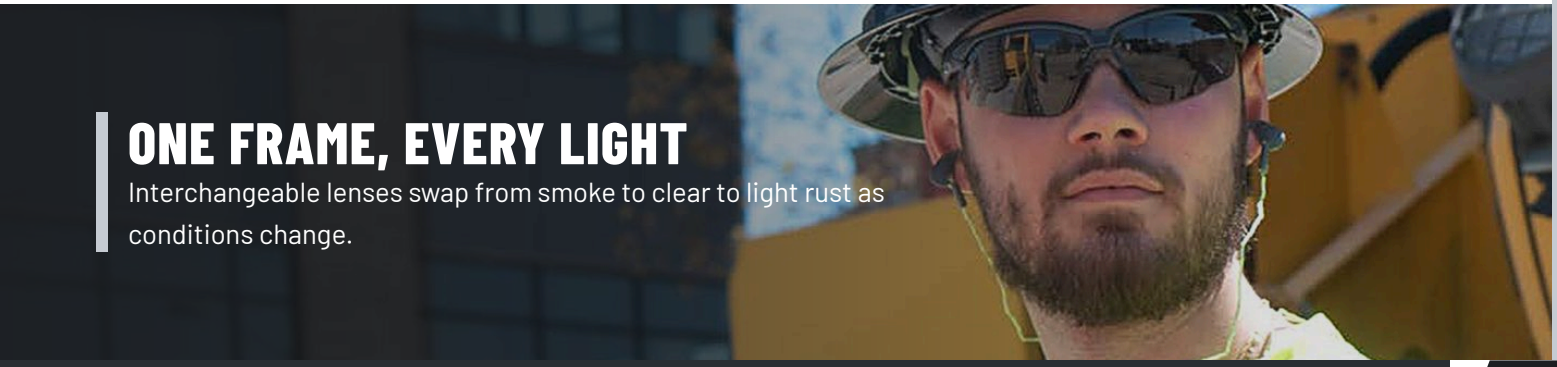
WX FOUNDER // CAPTIVATE

Z87	MIL-PRF
+	32432

Polarized CAPTIVATE mirror lenses; ANSI Z87.1+ with side shields.

FRAME

ITEM # Black/Black Mirror VO-WX-AC6FND05 · Graphite/Green Mirror -07 · Crystal Grey/Blue Mirror -09



ONE FRAME, EVERY LIGHT

Interchangeable lenses swap from smoke to clear to light rust as conditions change.

FACE SHIELDS & VISORS

Helmet-mounted shields and visors for each helmet system in this catalog. Match the shield to the helmet it fits.



HEXARMOR CEROS XP MECHANICAL FACE SHIELD

Z87+ · EN 166 · CSA

Clear, TruShield anti-fog inside, hard coat outside; nests low when raised.

FITS: Ceros XP

VO-HEX-17-1200-E / 17-12001-32C



HEXARMOR CEROS XA MAGNETIC FACE SHIELD

Z87+ · EN 166 · D3

Click-and-Go magnetic mount for the XA250; works with K2M muffs.

FITS: Ceros XA250

VO-HEX-17-32001-E / -32C



HEXARMOR CEROS MAGNETIC MESH SHIELD

Stainless mesh

Ventilated mesh for forestry, arborist and right-of-way work.

FITS: Ceros (magnetic)

VO-HEX-17-13003-E / -32C



PETZL VIZEN ELECTRICAL FACE SHIELD

Z87.1 · EN 166/170 · arc

Full face, anti-fog/anti-scratch; electric-arc protection (GS-ET-29 Class 1).

FITS: VERTEX / STRATO

VO-VSG-41257



PETZL VIZEN MESH

Z87.1 · EN 1731

Full-face fine mesh against chips and debris; EASYCLIP mount.

FITS: VERTEX / STRATO

VO-VSG-41258



PETZL VIZIR EYE SHIELD

Z87.1 · EN 166

Pivots up onto the helmet when not needed. Clear or Shadow.

FITS: VERTEX / STRATO

VO-VSG-41254 / 41255



KONG VISOR

EN ISO 16321-1 · D

Clear PC, 80 m/s particles, UV; tool-free mount.

FITS: MOUSE · SPIN · LEEF

MOUSE/SPIN VO-KONG-997056P00KK · LEEF -997056001KK



KONG LONG VISOR

EN ISO 16321-1 · E

Full-face; anti-fog both sides; 120 m/s and molten metal.

FITS: MOUSE · SPIN · LEEF

MOUSE/SPIN VO-KONG-997046P00KK · LEEF -P01KK



KONG NET VISOR

Coated metal mesh

1 x 1 mm mesh, glare-reducing peak; needs Peltor muffs.

FITS: MOUSE · SPIN

VO-KONG-997045000KK



MALTA CLEAR / TINTED VISOR

ANSI Z87.1

Low-profile polycarbonate eye visor.

FITS: Malta APEX

VO-VSG-HTV0001-CLR / -TIN



MALTA HIGH TEMP/IMPACT FACE SHIELD

ANSI Z87.1+

Toric curve, wide view, integrated chin protector.

FITS: Malta APEX

VO-VSG-HTV0003



MALTA MESH FACE SHIELD

Z87.1 · EN 1731-S

Metal mesh with mounting clips; no fogging.

FITS: Malta APEX

VO-VSG-HTV0006

FACE SHIELDS & VISORS // CONTINUED



PROTOS VISOR — CLEAR
Z87.1 · EN 166

Continuous clear barrier for the Protos system.

FITS: Protos

VO-VSG-16970



PROTOS VISOR — METAL MESH
Z87.1 · EN 1731

Standard metal mesh visor.

FITS: Protos

VO-VSG-39777



PROTOS VISOR — WIDE MESH
Z87.1 · EN 1731

Wide mesh for more airflow.

FITS: Protos

VO-VSG-15561



SINGING ROCK COVER / COVER SMOKE
EN 166 1F · EN 172

Helmet eye shield; smoke version filters sun (5-2.5).

FITS: FLASH · BLAST

VO-LM-497684 / 497685



SINGING ROCK SAFE STEEL MESH
EN 1731 S

Fine steel mesh visor.

FITS: SAFE carrier

VO-LM-497679



SINGING ROCK SAFE NYLON MESH
Non-conductive

Lightweight nylon mesh.

FITS: SAFE carrier

VO-LM-497681



SINGING ROCK SAFE PC ARC VISOR
EN 166 · EN 170

Clear polycarbonate arc visor.

FITS: SAFE carrier

VO-LM-497680

EYE PROTECTION ACCESSORIES



WILEY X SABER ADV. SHIELD
Clear, Smoke Grey, Light Rust, Vermillion.

VO-WX-306C / 306S / 306L / 306V



WILEY X GUARD ADV. LENSES
Clear, Smoke Grey, Light Rust.

VO-WX-4006C / 4006S / 4006L



WILEY X VALOR LENSES
Clear, Smoke Grey, Light Rust.

VO-WX-CHVALC / CHVALS / CHVALL



WILEY X VAPOR LENSES
Clear, Smoke Grey, Light Rust.

VO-WX-35C / 35S / 35L



HEXARMOR MESH REPLACEMENT WINDOW
Stainless mesh for Ceros shields.

VO-HEX-17-27004-E / -68C



SINGING ROCK FLEX CARRIER
Raise/lower carrier for SAFE visors.

VO-LM-497682



SINGING ROCK CLASSIC ADAPTOR (PAIR)
Mounts carriers to helmets.

VO-LM-497683



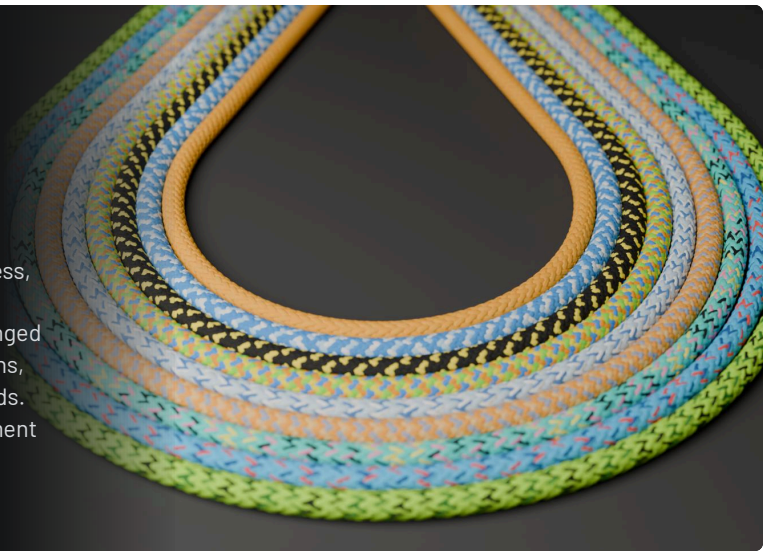
MALTA FACE SHIELD BRACKET
For APEX full-brim helmets.

VO-VSG-HTV0007

VERTEX OUTFITTERS · TRAINING

TRAINING COORDINATION

Vertex Outfitters coordinates specialized safety, rope access, and technical rescue training through qualified training providers and experienced instructors. Programs are arranged according to customer requirements, existing qualifications, operational responsibilities, and applicable safety standards. Vertex also assists organizations with sourcing the equipment needed for training and field operations.



FALL PROTECTION & RESCUE AT HEIGHT

- OSHA-aligned fall protection training and practical workshops
- Rescue-at-height skills and emergency response procedures
- Customized workshops for personnel working at height, within their existing qualifications and responsibilities

CONFINED SPACE ENTRY & RESCUE

- OSHA-aligned confined space rescue training
- Practical confined space rescue workshops
- Confined space rope rigging and rescue techniques

TECHNICAL ROPE RESCUE

- NFPA 1006 technical rescue operations and technician-level programs
- Personal rope rescue skills training
- Rope techniques involving aerial ladders
- Customized technical rescue programs and practical skills workshops

SPRAT ROPE ACCESS TRAINING

- SPRAT rope access training and evaluation
- Training conducted at a specialized facility in Rhode Island
- Courses coordinated through qualified rope access instructors and independent evaluators
- Training at other locations may be arranged separately through qualified providers

PPE INSPECTION & EQUIPMENT TRAINING

- Competent PPE Inspector training
- Inspection procedures and equipment familiarization
- Manufacturer-specific equipment training and practical applications
- PPE Inspector training available at a Rhode Island training center or an appropriate customer location
- Competent Inspector certificates issued by KONG Italy

SPECIALIZED TRAINING

- Potential specialized instruction involving advanced rescue equipment and techniques through international manufacturer instructors
- Program availability, instructional scope, and location subject to individual coordination and confirmation

TRAINING COORDINATION & EQUIPMENT SUPPORT

Vertex Outfitters works with customers to identify training objectives, coordinate qualified instructors and training providers, and source associated safety and rescue equipment. Training content, prerequisites, certifications, locations, scheduling, and pricing are confirmed for each engagement. Training and certifications are delivered by qualified external providers, not Vertex Outfitters.

301-246-2336 **info@vertexoutfitters.net** **vertexoutfitters.net**

OUTFIT YOUR WHOLE CREW.

ORDER ONLINE

Every item in this catalog is on vertexoutfitters.net. Search any Vertex item number to go straight to the product, sizes and colors.

VOLUME & AGENCY ORDERS

Outfitting a crew, a department or a training class? Email info@vertexoutfitters.net or call 301-246-2336 with your list for a quote on case and multi-unit orders.

GOVERNMENT BUYERS

Service-Disabled Veteran-Owned Small Business. Maryland VSBE #89150 · UEI WVWHBNHDUTW6 · CAGE 16MC9. We accept government purchase cards.

VERTEX OUTFITTERS

GO WHERE OTHERS WON'T

vertexoutfitters.net
info@vertexoutfitters.net
301-246-2336
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