

CONFINED SPACE

VERTEX OUTFITTERS
GO WHERE OTHERS WON'T

WELCOME

BUILT FOR THE TEAMS THAT GO BELOW.

This catalog is for utility and public works crews, wastewater and water plant operators, industrial maintenance teams, contractors and the fire and technical rescue teams that stand by for them — anyone who enters manholes, vaults, tanks, pits and other permit-required confined spaces.

It covers tripods and portable anchors, davits and sleeve bases, 3-way rescue SRLs and personnel winches, entrant harnesses, wristlets and yokes, ventilation blowers, lighting for the space and the opening, and narrow litters and rollable stretchers for getting a patient out.

Start with **The Permit-Space Team** to see what each role relies on, then go to the product pages. Questions? Email **info@vertexoutfitters.net** or call **301-246-2336**.

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

HOW TO READ A PRODUCT

ANSI Z359 EN 1496 Green tags are standards the maker lists for the product. 50 FT Dark tags are published figures. USE Gray tags are size, pack or type notes. Item numbers are Vertex SKUs — search any of them on vertexoutfitters.net.

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PERMIT-SPACE TEAM // WHO NEEDS WHAT

Every permit-required entry has the same jobs to fill. This page shows the gear each job relies on and where to find it in this catalog.

Role	What the job is	Gear to start with	Page
Authorized entrant	Goes into the space and does the work.	Harness with shoulder D-rings, wristlets or yoke, headlamp or right-angle light	**10**
Attendant	Stays outside, monitors the entrant and runs non-entry retrieval.	Tripod or davit, personnel winch, 3-way rescue SRL	**05**
Entry supervisor	Signs the permit and confirms conditions and equipment.	Ventilation, scene lighting at the opening	**12**
Rescue team	Performs entry rescue when retrieval from outside will not work.	Narrow litters, rollable stretchers, bridles, DIAPASON spreader	**15**

ANCHORS & MECHANICAL ADVANTAGE

- FrenchCreek S50G-7 Tripod System **p. 05**
- FrenchCreek S50G-M7 System + Winch **p. 07**
- KONG CEVEDALE 2.0 **p. 07**
- KONG TRIPODE BASE **p. 07**
- FrenchCreek PD2 Portable Base **p. 08**
- FrenchCreek PD1 Davit Mast **p. 08**
- 3M DBI-SALA Long Reach Davit 8000119 **p. 08**
- SMC VECTOR Monopod **p. 07**

RETRIEVAL DEVICES

- FrenchCreek R50G 3-Way Rescue SRL **p. 09**
- FrenchCreek FCP2005-100G 3-Way SRL **p. 09**
- FrenchCreek R100T 3-Way SRL **p. 09**
- FrenchCreek MW50G Material Winch **p. 09**
- KONG RAIZER Winch Set **p. 05**
- Petzl TWIN RELEASE SYSTEM **p. 09**

ATTACH TO THE ENTRANT

- PMI CS Tech Full Body **p. 10**
- Singing Rock Expert 3D Speed Steel **p. 10**
- FrenchCreek 207 Rescue Wristlets **p. 08**
- FrenchCreek 207Y Wristlets with Yoke **p. 08**
- FrenchCreek 702Y Retrieval Yoke **p. 08**
- KONG DIAPASON Spreader **p. 09**

NARROW-SPACE PACKAGING

- Junkin JSA-300-CS Confined Space Stretcher **p. 15**
- Junkin JSA-360-CS 14 in. Wooden Backboard **p. 15**
- KONG ROLLY **p. 15**
- KONG HALF ROLLY **p. 15**
- KONG X-TRIM 4 **p. 15**

VENTILATION

- Allegro 8 in. COM-PAX-IAL + 15 ft Duct **p. 12**
- Allegro 8 in. Explosion-Proof Axial **p. 12**
- Allegro 8 in. Ex-Proof + 25 ft Conductive Duct **p. 12**
- Allegro 8 in. Manhole Passthru (MVP) **p. 12**
- Allegro 33 in. Manhole Guard Rail **p. 12**

LIGHT

- Koehler Bright Star WorkSafe 2206 Lantern **p. 14**
- Koehler Bright Star Responder Pro Right Angle **p. 14**
- Koehler Bright Star Vision LED Headlamp **p. 14**
- Dorcy Pro 470 Lumen High CRI & UV **p. 14**
- FoxFury Breakthrough BT2+ **p. 14**

ROPE

- Sterling Rope 1/2 in. SuperStatic2 **p. 11**
- PMI 11 mm Patriot Vertical Lifeline **p. 11**
- Armbury STATIC 11 Semi-Static **p. 11**
- Armbury STATIC 11 INTERCORE Semi-Static **p. 11**

HEAD & HAND

- PMI Advantage Kevlar Rescue Helmet **p. 13**
- Petzl VERTEX VENT **p. 13**
- HexArmor EXT Rescue 4012 **p. 13**
- PMI Rope Tech Gloves **p. 13**

SELF-RESCUE & ACCESS

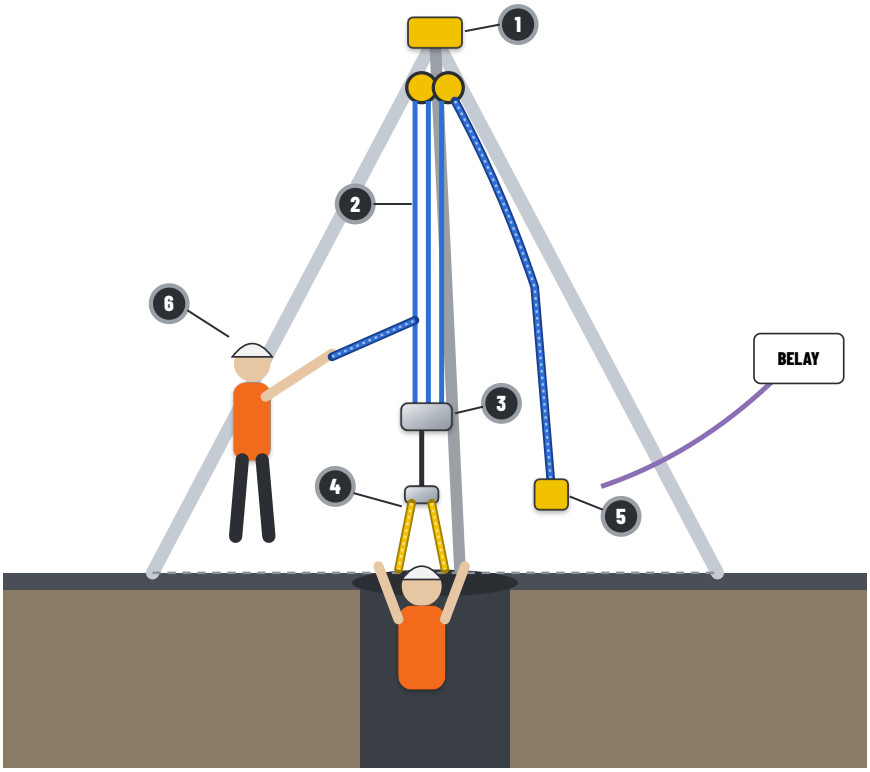
- FrenchCreek R-RESC U-RES-Q Pouch **p. 10**
- FrenchCreek R-RETRO Retro-Fit Pouch **p. 10**
- FrenchCreek WL-10 10 ft Ladder **p. 09**

OSHA PERMIT-SPACE ROLES

OSHA 1910.146 and 1926 Subpart AA define the authorized entrant, attendant and entry supervisor, and require an employer to arrange a rescue service before permit-space entry. General guidance only — follow your permit program and each manufacturer's instructions.

TRIPOD RESCUE SYSTEM // NON-ENTRY FIRST

Our drawing of a typical tripod rescue setup over a vertical entry. Retrieval from outside the space is the first choice; an entry rescue team goes in only when it can't be done.



1. **TRIPOD HEAD & SHEAVES**
   Overhead anchor centered on the opening; each line runs over its own sheave (page 07).
2. **PERSONNEL WINCH**
   Mounted on a tripod leg; its cable is the retrieval line to the entrant (page 05).
3. **3-WAY RESCUE SRL**
   A second, independent line: fall arrest with a built-in retrieval mode (page 09).
4. **HARNESS WITH YOKE OR WRISTLETS**
   Both lines connect to the entrant's harness; a yoke or wristlets keep the entrant narrow and upright (page 08).
5. **LEG CHAIN OR STRAP**
   Keeps the tripod feet from spreading.
6. **ATTENDANT**
   Stays outside, keeps contact and runs the winch.

OSHA RETRIEVAL REQUIREMENT

For permit-required confined spaces, OSHA 1910.146(k)(3) requires retrieval systems whenever an authorized entrant enters, unless the retrieval equipment would increase the overall risk or would not help a rescue. For vertical spaces deeper than 5 ft, a mechanical device must be available to retrieve the entrant. General guidance only — follow OSHA 1910.146 or 1926 Subpart AA, your permit program and each manufacturer's instructions.

BUILD THE SYSTEM // WHAT GOES OVER THE HOLE

- Tripod or davit rated for personnel, centered over the opening (page 07).
- Personnel winch for the retrieval line (page 09).
- 3-way rescue SRL as the independent second line (page 09).
- Entrant harness with shoulder D-rings, plus wristlets or a yoke (pages 10 and 08).
- Blower and ducting running before and during entry (page 12).
- Intrinsically safe light where a flammable atmosphere is possible (page 14).

FEATURED TRIPOD & RETRIEVAL // SHOWN LARGE

A complete tripod system with rescue SRL, and a two-speed rescue winch.



FRENCHCREEK

S50G-7 TRIPOD SYSTEM

ANSI Z359.1

SRL
50 ft

TP7 tripod + R50G 50 ft 3-way rescue SRL.

- TP7 tripod with the R50G 50 ft galvanized 3-way rescue SRL.
- ANSI Z359 listed components per FrenchCreek.
- See the drawing on page 04 for how the lines run.

ITEM # V0-FC-S50G-7



KONG

RAIZER WINCH SET

EN 1496 EN 795

RATIO
12.8 · 40:1

Two-speed 12.8:1 / 40:1; mounts on KONG tripods and 4D Pole.

- EN 1496 rescue lifting device per KONG listing.
- Two-speed drive: 12.8:1 for speed, 40:1 for heavy loads.
- Mounts on KONG tripods such as the CEVEDALE 2.0 (page 07).

ITEM # V0-KONG-817640000KK

Callouts name features listed by the maker. Check the maker's instructions for ratings and compatibility before use.

CONFINED SPACE

KONG GRIZZLY EDGE DAVIT // OVER THE WALL EDGE

Featured system. The GRIZZLY sets up at the edge of a wall, roof or opening and holds the line out past the edge, so the rope does not rub as the load is raised or lowered.



KONG

GRIZZLY EDGE DAVIT

WALL EDGE

WEIGHT	FEET
22.7 kg	2-WAY

Rotating arm keeps ropes off the edge.

- Part of a retrieval system to raise and lower loads at a wall edge.
- Keeps ropes from rubbing on obstacles; the rotating structure makes it easier to bring the load in.
- Breaks down and carries in its shoulder bag. Made in Italy.

ITEM # V0-KONG-817400000KK

WHERE IT WORKS

Rooftop and parapet edges, tank and pit walls, bridge and retaining walls, and side openings where a tripod cannot straddle the hole. Use the GRIZZLY when the anchor has to sit back from an edge and the load has to come over it.

BUILD THE SYSTEM

Add a retrieval device or rope haul system, low-stretch rope and the entrant's harness with shoulder D-rings — see pages 09, 11 and 10. Check KONG's instructions for rated loads and compatible devices.

Callouts name features listed by the maker. Check the maker's instructions for ratings and compatibility before use.

TRIPODS & PORTABLE ANCHORS // OVER THE HOLE

Complete tripod systems, KONG rescue tripods for winches, a gin pole and an edge monopod.



FRENCHCREEK
S50G-7 TRIPOD SYSTEM
ANSI Z359.1
TP7 tripod + R50G 50 ft 3-way rescue SRL.
ITEM # V0-FC-S50G-7



FRENCHCREEK
S50G-M7 SYSTEM + WINCH
ANSI Z359.1
TP7 + R50G SRL + MW50G material winch.
ITEM # V0-FC-S50G-M7



FRENCHCREEK
TP9 9 FT ALUMINUM TRIPOD
ANSI Z359.1 5,000 LB
Taller tripod for larger openings; 350 lb user.
ITEM # V0-FC-TP9



3M DBI-SALA
TRIPOD + 3-WAY SRL 8301094
9 FT 50 FT SS
9 ft tripod; 50 ft stainless SRL.
ITEM # V0-ON-8301094



3M DBI-SALA
TRIPOD + WINCH 8301087
WINCH
Aluminum tripod with personnel winch.
ITEM # V0-ON-8301087



KONG
TRIPODE MONO
EN 795 EN 1496
Industrial tripod, one winch.
ITEM # V0-KONG-842010000KK



KONG
4D POLE GIN POLE
130–205 CM
Adjustable rescue anchor/gin pole.
ITEM # V0-KONG-817500000KK



FRENCHCREEK
R50G-TP7 SYSTEM WITH BAG
ANSI Z359.1
TP7 + R50G + #204 carry bag.
ITEM # V0-FC-R50G-TP7



FRENCHCREEK
TP7 7 FT ALUMINUM TRIPOD
ANSI Z359.1 5,000 LB
Telescoping legs, two lifeline points; 350 lb user.
ITEM # V0-FC-TP7



3M DBI-SALA
TRIPOD + 3-WAY SRL 8301091
ANSI Z359.14
7 ft aluminum tripod with 3-way SRL.
ITEM # V0-ON-8301091



3M DBI-SALA
TRIPOD + WINCH 8301085
9 FT 120 FT SS
9 ft tripod; 120 ft stainless winch.
ITEM # V0-ON-8301085



KONG
TRIPODE BASE
EN 795
160–200 cm; carries on your back.
ITEM # V0-KONG-842020000KK



KONG
CEVEDALE 2.0
EN 795
Modular rescue tripod for RAIZER winches; 185–275 cm.
ITEM # V0-KONG-842030000KK



SMC
VECTOR MONOPOD
EDGE & LOAD
Monopod for edge transitions and load management.
ITEM # V0-LM-290010

TRIPOD CHECKS

- Check the leg spread against the opening and the ground; set the feet on firm, level footing.
- Confirm the head height gives enough clearance to lift the entrant fully out of the opening.
- Use the leg chain or strap every time.
- Match each device to the tripod it is listed for, and stay within the lowest rated part of the system.

DAVITS & SIDE ENTRY // PORTABLE & PERMANENT BASES

FrenchCreek portable davit with sleeve bases for repeat locations, 3M DBI-SALA davits and side-entry, the KONG GRIZZLY edge arm, and wristlets and yokes for entrant retrieval.



FRENCHCREEK
PD1 DAVIT MAST
12-30 IN
Adjustable-reach mast; mounts SRL and winch.
ITEM # V0-FC-PD1



FRENCHCREEK
PD2 PORTABLE BASE
36-60 IN
Three-piece portable base with level.
ITEM # V0-FC-PD2



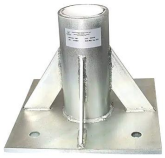
FRENCHCREEK
PD3 R50G BRACKET
Mounts the R50G rescue SRL to the PD1.
ITEM # V0-FC-PD3



FRENCHCREEK
PD4 MW50G BRACKET
Mounts the MW50G winch to the PD1.
ITEM # V0-FC-PD4



FRENCHCREEK
PD5 CORE MOUNT SLEEVE
PERMANENT
Cored-in base.
ITEM # V0-FC-PD5



FRENCHCREEK
PD7 FLOOR MOUNT SLEEVE
PERMANENT
Floor base.
ITEM # V0-FC-PD7



FRENCHCREEK
PD8 WALL MOUNT SLEEVE
PERMANENT
Wall base.
ITEM # V0-FC-PD8



3M DBI-SALA
LONG REACH DAVIT 8000119
EN 795 EN 1496 22 kN
Five-piece high-capacity portable davit.
ITEM # V0-ON-8000119



3M DBI-SALA
SHORT REACH DAVIT ARM
EN 795 22 kN
Short-reach davit arm.
ITEM # V0-ON-8000107



3M DBI-SALA
PORTABLE SIDE ENTRY SYSTEM
HORIZONTAL
Manway mount for tanks and vessels.
ITEM # V0-ON-8511233



KONG
GRIZZLY EDGE DAVIT
WALL EDGE
Rotating arm keeps ropes off the edge.
ITEM # V0-KONG-817400000KK



FRENCHCREEK
206 TRIPOD CARRY BAG
TRIPOD
Carry bag for TP7/TP9 tripods.
ITEM # V0-FC-206



FRENCHCREEK
207 RESCUE WRISTLETS
WRISTLETS
Retrieval where a harness can't be used.
ITEM # V0-FC-207



FRENCHCREEK
207Y WRISTLETS WITH YOKE
WRISTLETS
Wristlets with spreader yoke.
ITEM # V0-FC-207Y



FRENCHCREEK
207YL WRISTLETS + 25 FT TAGLINE
WRISTLETS
Yoke and tagline.
ITEM # V0-FC-207YL



FRENCHCREEK
702Y RETRIEVAL YOKE
YOKE
Connects to harness shoulder points.
ITEM # V0-FC-702Y

RESCUE SRLS & WINCHES // RAISE, LOWER, ARREST

3-way SRLs arrest a fall and switch to retrieval mode; material winches move gear; the RAIZER and 3M power winch handle personnel loads. The DIAPASON keeps a casualty upright in narrow shafts.



FRENCHCREEK

R50G 3-WAY RESCUE SRL

ANSI Z359.14

50 ft galvanized; raise/lower retrieval mode.

ITEM # V0-FC-R50G



FRENCHCREEK

R50SS 3-WAY RESCUE SRL

50 FT SS

Stainless cable.

ITEM # V0-FC-R50SS



FRENCHCREEK

R50T 3-WAY RESCUE SRL

50 FT TECHNORA

Synthetic rope.

ITEM # V0-FC-R50T



FRENCHCREEK

FCP2005-100G 3-WAY SRL

100 FT

Galvanized cable.

ITEM # V0-FC-FCP2005-100G



FRENCHCREEK

FCP2005-100SS 3-WAY SRL

100 FT SS

Stainless cable.

ITEM # V0-FC-FCP2005-100SS



FRENCHCREEK

R100T 3-WAY SRL

100 FT TECHNORA

Synthetic rope.

ITEM # V0-FC-R100T



FRENCHCREEK

MW50G MATERIAL WINCH

ANSI Z359.1

50 ft galvanized; friction brake.

ITEM # V0-FC-MW50G



FRENCHCREEK

MW50SS MATERIAL WINCH

ANSI Z359.1

50 ft stainless.

ITEM # V0-FC-MW50SS



FRENCHCREEK

MW50T MATERIAL WINCH

ANSI Z359.1

50 ft Technora.

ITEM # V0-FC-MW50T



3M DBI-SALA

ADVANCED DIGITAL 200 POWER DRIVE WINCH

140 FT SS

Personnel and material winch.

ITEM # V0-ON-8518586



KONG

RAIZER WINCH SET

EN 1496 EN 795

Two-speed 12.8:1 / 40:1; mounts on KONG tripods and 4D Pole.

ITEM # V0-KONG-817640000KK



PETZL

TWIN RELEASE SYSTEM

ANSI Z359.4

Pre-rigged 4:1 haul/lower; 280 kg; releasable under load.

ITEM # V0-VSG-100353



KONG

DIAPASON SPREADER

EN 354

Keeps a casualty upright in narrow vertical extraction.

ITEM # V0-KONG-216SET000KK



FRENCHCREEK

WL-10 10 FT LADDER

FLEXIBLE

Flexible access ladder.

ITEM # V0-FC-WL-10

RETRIEVAL CHECKS

- Keep the retrieval line attached to the entrant for the whole entry, unless it would add risk or block a rescue.
- Inspect the cable or rope, hook and housing before each use; take a damaged unit out of service.
- Mount winches and SRLs only on the brackets and legs their maker lists.
- Practice retrieval with the crew before you need it.

ENTRANT & RESCUER HARNESSES // SHOULDER POINTS FOR RETRIEVAL

Full-body harnesses with the attachment points confined-space work needs, a quick-don victim harness, and self-rescue pouches that clip to a harness.



PMI

CS TECH FULL BODY

NFPA 1983 · CLASS III

One-piece confined-space rescue harness with shoulder points and break-apart buckles.

ITEM # V0-PMI-SG51156



PMI

AVATAR DELUXE HARNESS

NFPA 2500 · ANSI Z359.11

Class III full-body: sternal, dorsal and waist attachment points, side positioning D-rings, shoulder lanyard parking points; quick-release buckles.

ITEM # V0-PMI-SG51263



CMC

ATOM RESCUE HARNESS

FULL BODY

Technical rescue harness: fall arrest, positioning and suspension.

ITEM # V0-VSG-101005 / ATOM-M / ATOM-L

SIZES S · M · L



KONG

X-FIVE ROPE ACCESS

EN 361 · EN 358 · EN 813

Five attachment points.

ITEM # V0-KONG-8W9401000KK / 3000KK

SIZES XS · S/M



FRENCHCREEK

STRATOS 22850B-TS

ANSI Z359.11

Front waist D-ring, hip D-rings, tool belt.

ITEM # V0-FC-22850B-TS-XS / -SM / -LXL / -2XL / -3XL

SIZES XS · S-M · L-XL · XXL · XXXL



SINGING ROCK

EXPERT 3D SPEED STEEL

ANSI Z359.11 · NFPA 1983 III · EN 361

Fully adjustable rope-access harness, steel hardware, 150 kg (330 lb) max. rated load; shoulder points for confined-space rescue (EN 1497).

ITEM # V0-LM-497232 / 497233 / 497234

SIZES Small · Medium/Large · Extra Large



KONG

ITAKA WORK & RESCUE

EN 361 · EN 813 · EN 358 · EASA

Removable chest section; DIAPASON-ready shoulder loops.

ITEM # V0-KONG-8W9852000KK / 3000KK / 4000KK

SIZES S/M · M/L · XL



CMC

ATOM ACCESS HARNESS

ANSI Z359.11 · CSA Z259

Rope-access full-body harness.

ITEM # V0-VSG-ATOM-ACCESS-S / -M / -L

SIZES S · M · L



FRENCHCREEK

NAVIGATOR 22030B

ANSI Z359.11

Full-body harness, black.

ITEM # V0-FC-22030B-BLK-SM / -LXL / -2XL

SIZES S-M · L-XL · XXL



CMC

PROSERIES LIFESAVER VICTIM HARNESS

Quick-don harness for securing a rescue subject.

ITEM # V0-VSG-99030

SELF-RESCUE // SUSPENSION RELIEF LADDERS



FRENCHCREEK

R-RESC U-RES-Q POUCH

ANSI Z359.1

Self-rescue pouch with 20 ft ladder.

ITEM # V0-FC-R-RESC



FRENCHCREEK

R-RETRO RETRO-FIT POUCH

ANSI Z359.1

Adds a 16 ft self-rescue ladder to a harness.

ITEM # V0-FC-R-RETRO

ROPE FOR HAUL & RETRIEVAL // LOW STRETCH

Low-stretch kernmantle for haul, lower and retrieval systems over a tripod, davit or GRIZZLY. Armbury ropes are EN certified only, not NFPA certified; check the tags on each listing.



STERLING ROPE

1/2 IN. SUPERSTATIC2

DIAMETER	MBS (MAKER)	NFPA
1/2 in.	40.1 kN	G

NFPA G

Low-stretch 1/2 in. rescue static; 6 colors.

COLORS 6

Blue · Orange · Yellow · Black · White · Red

LENGTHS 150 ft · 200 ft · 300 ft · 600 ft

ITEM # VO-VSG-SSS2-BK-150-1/2 series



PMI

12.5 MM EZ BEND CLASSIC PRO

DIAMETER	MBS (MAKER)	NFPA
12.5 mm	43.6 kN	G

NFPA G · ANSI Z359.15

The 1/2 in. general-use workhorse; 10 colors, to 1,200 ft.

COLORS 10

Blue/White · Orange/White · Red/White · Black · OD Green · White/Orange · Solid Blue · Solid Red · Arc Yellow/White · Old Glory

LENGTHS

100 ft · 150 ft · 200 ft · 300 ft · 600 ft · 656 ft · 1,200 ft

ITEM # VO-PMI-RR125BK061E series



PMI

11 MM PATRIOT VERTICAL LIFELINE

DIAMETER	MBS (MAKER)	NFPA
11 mm	32.7 kN	T

NFPA T · ANSI Z359.15

High-visibility fleck pattern; vertical lifeline rated.

COLORS 2

Fleck Blue · Fleck Red/Black

LENGTHS

100 ft · 150 ft · 200 ft · 300 ft · 328 ft · 600 ft · 656 ft

ITEM # VO-PMI-RR110FB061E series



ARMBURY

STATIC 11 SEMI-STATIC

MBS (MAKER)
31 kN

EN 1891 · UIAA

All-polyamide 11 mm, 2.4% elongation; white or yellow. EN certified; not NFPA certified.

COLORS 2

Yellow · White

ITEM # VO-ARM-411241 / 411242



ARMBURY

STATIC 11 INTERCORE SEMI-STATIC

MBS (MAKER)
32 kN

CE · EN 1891 · UIAA

Sheath bonded to the core (INTERCORE): Armbury reports 0% sheath slippage. Polyamide, 3.4% elongation, 75 g/m; blue. EN certified; not NFPA certified.

COLORS 1

Blue

LENGTH 50 m or 100 m

ITEM # VO-ARM-411202-50M / -100M



ARMBURY

GUARDIAN 11 ARAMID STATIC

MBS (MAKER)
33 kN

CE · EN 1891 · UIAA

Technora aramid sheath for heat, cut and abrasion resistance over a polyamide core. 3.1% elongation, 81 g/m; black. EN certified; not NFPA certified.

COLORS 1

Black

LENGTH 100 m or 200 m

ITEM # VO-ARM-411243-100M / -200M

VENTILATION // FRESH AIR IN, CONTAMINANTS OUT

Axial and centrifugal blowers, explosion-proof options for hazardous locations, and Manhole Ventilation Passthrus that keep the opening clear.



ALLEGRO
8 IN. AXIAL AC BLOWER
17 LB
Compact axial.
ITEM # V0-ON-9533



ALLEGRO
8 IN. EXPLOSION-PROOF AXIAL
EX-PROOF
For hazardous locations.
ITEM # V0-ON-9538



ALLEGRO
12 IN. AXIAL + 25 FT DUCT
49 LB
High-volume system.
ITEM # V0-ON-9543-25



ALLEGRO
8 IN. GAS CENTRIFUGAL
GAS
Where power isn't available.
ITEM # V0-ON-9505



ALLEGRO
12 IN. MANHOLE PASSTHRU (MVP)
MVP
12 in. version.
ITEM # V0-ON-9510-60



ALLEGRO
8 IN. × 25 FT DUCTING
ITEM # V0-ON-9500-25



ALLEGRO
33 IN. MANHOLE GUARD RAIL
33×33 IN
Hi-vis barrier around the opening.
ITEM # V0-ON-9401



ALLEGRO
8 IN. COM-PAX-IAL + 15 FT DUCT
SYSTEM
Blower, canister and ducting.
ITEM # V0-ON-9533-15



ALLEGRO
8 IN. EX-PROOF + 25 FT CONDUCTIVE DUCT
EX-PROOF
Statically conductive ducting.
ITEM # V0-ON-9538-25



ALLEGRO
8 IN. CENTRIFUGAL BLOWER
38 LB
Supply or exhaust.
ITEM # V0-ON-9504



ALLEGRO
8 IN. MANHOLE PASSTHRU (MVP)
MVP
Keeps the opening clear while venting.
ITEM # V0-ON-9510-50



ALLEGRO
8 IN. × 15 FT DUCTING
ITEM # V0-ON-9500-15



ALLEGRO
12 IN. × 25 FT DUCTING
ITEM # V0-ON-9535-12DL

VENTILATION CHECKS

- Set blowers upwind of the opening and away from engine exhaust.
- Use explosion-proof blowers and statically conductive ducting where flammable atmospheres are possible.
- Duct fresh air down to the work zone and keep it running; ventilation does not replace air monitoring.
- An MVP keeps the opening clear for the retrieval line while the duct runs into the space.

HEAD & HAND PROTECTION // ENTRANT AND CREW

Helmets that hold a headlamp in tight spaces; gloves for rigging and rope work.

RESCUE & WORK HELMETS



PMI

ADVANTAGE KEVLAR RESCUE HELMET

NFPA 1951 · ANSI Z89.1 · EN 397

Kevlar shell, ratchet headband, 3-point chin strap, headlamp retainer and goggle mounts. 52–64 cm.

ITEM # V0-PMI-HL33011 – 33035

COLORS Red · Orange · White · Blue · Matte Black · Fluorescent Green



PMI

E-GO ANSI HELMET

ANSI Z89.1 · EN 397 · EN 50365

Electrically rated (E) rescue and work-at-height helmet for high-voltage exposure.

ITEM # V0-PMI-HL33095



PETZL

VERTEX VENT

ANSI Z89.1 · EN 397 · EN 12492

Type I Class C. Six-point textile suspension, CENTERFIT wheels, sliding vent shutters.

ITEM # V0-VSG-VTVA-BK series

COLORS Green · Yellow · Orange · Red · White · Blue · Black



PETZL

STRATO VENT

ANSI Z89.1 · EN 397 · EN 12492

Lightweight vented helmet; order bare or with SENA Work4 / 33i comms.

ITEM # V0-VSG-STVA-BK series

COLORS Red · Yellow · White · Black

OPTIONS

No comms · SENA Work4 + 3M muffs · SENA Work4 + Notch Hook Ups · SENA 33i + Notch Hook Ups



SINGING ROCK

FLASH ACCESS

EN 397 · EN 12492

Non-vented work-at-height and rescue helmet; 440 V AC rated shell.

ITEM # V0-LM-497868 / 497869

COLORS Red · Hi-Viz Yellow



HEXARMOR

CEROS XP450A WITH MIPS

ANSI Z89.1 · TYPE 1 C

Short-brim vented helmet with Mips rotational protection; Click-and-Go accessory mounts.

ITEM # V0-HEX-16-14001M-E series

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

OPTIONS Each · 20 Units per Case

IMPACT & ROPE GLOVES



HEXARMOR

EXT RESCUE 4012

A8 CUT · IMPACT 2 · PUNCT 2

SuperFabric palm layer and back-of-hand impact system — built for extrication and USAR.

ITEM # V0-HEX-4012-L-Pr – (6 sizes)

SIZES XS · S · M · L · XL · XXL



HEXARMOR

CHROME IRONHIDE 4091IMP

A8 CUT · PUNCT 5 · IMPACT 2

IronHide leather over SuperFabric — highest puncture rating we carry.

ITEM # V0-HEX-4091IMP-L-E – (7 sizes)

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



HEXARMOR

HELIX 3026IMP

A7 CUT · IMPACT 2

21-gauge high-dexterity cut shell with IR-X impact guards.

ITEM # V0-HEX-3026-L-12P series

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

OPTIONS 12-Pair Pack · 72-Pair Case



PMI

ROPE TECH GLOVES

ROPE · RAPPEL

Leather rope-handling gloves for belay, rappel and rigging.

ITEM # V0-PMI-GL22301 – 22306

SIZES XS · S · M · L · XL · XXL



PETZL

CORDEX PLUS

EN 388

Mid-weight belay/rappel glove; double leather in high-wear zones.

ITEM # V0-VSG-PCPGS-BK-M series

COLORS Tan · Black

SIZES S · M · L · XL



KONG

FULL GLOVES

EN 388

Kevlar-reinforced rope and rigging gloves.

ITEM # V0-KONG-95203NNN3KK – 8KK

SIZES S · M · L · XL · XXL

LIGHT IN THE SPACE // INTRINSICALLY SAFE WHERE IT COUNTS

Personal lights travel with the entrant; scene lights work the opening from outside. Inside a space that may hold a flammable atmosphere, use only lighting listed as intrinsically safe for that hazard.



KOEHLER BRIGHT STAR
WORKSAFE 2206 LANTERN
INTRINSICALLY SAFE
Pack of 6 only.
ITEM # V0-KBS-08050-PK6
pack of 6



FOXFURY
BREAKTHROUGH BT2+
RIGHT ANGLE
Hybrid right-angle light; black or orange.
ITEM # V0-FOX-380-BT2P-BLR / -ORR
COLORS Orange Black



KOEHLER BRIGHT STAR
VISION LED HEADLAMP
6-PACK
Rechargeable headlamp.
ITEM # V0-KBS-200521-PK6
pack of 6



DORCY
ULTRA HD 650 LUMEN HEADLAMP
3-PACK
Rechargeable, motion sensor.
ITEM # V0-DOR-41-4337-PK3
3-pack



FOXFURY
NOMAD NOW SCENE LIGHT
SCENE
Cordless rechargeable scene light.
ITEM # V0-FOX-200-400-100



KOEHLER BRIGHT STAR
EDC 4500 LUMEN SPOTLIGHT
4500 LM
USB-C rechargeable; built-in power bank.
ITEM # V0-KBS-1G45SL



KOEHLER BRIGHT STAR
RESPONDER PRO RIGHT ANGLE
RIGHT ANGLE
Rechargeable; wall and DC chargers.
ITEM # V0-KBS-520221-UTIL



KOEHLER BRIGHT STAR
AL400Z HELMET-MOUNTED LIGHT
475 LM **NFPA 1971**
360° rotating; forward and down beams; IPX7; 2 CR123 included.
ITEM # V0-KBS-AL400Z



DORCY
PRO 1000 LUMEN HEADLAMP
3-PACK
Rechargeable, IPX4.
ITEM # V0-DOR-1000
3-pack



DORCY
PRO 470 LUMEN HIGH CRI & UV
6-PACK
High-CRI and UV headlamp.
ITEM # V0-DOR-41-4320-PK6
6-pack



KOEHLER BRIGHT STAR
RAPTOR FLOOD LANTERN
375 LM
Red or hi-vis green.
ITEM # V0-KBS-RF4GNA / RF4RNA
COLORS Red Hi-Viz Green



STREAMLIGHT
E-FLOOD FIREBOX
FLOOD
Rechargeable flood lantern.
ITEM # V0-ON-45811

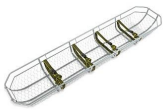
LIGHTING CHECKS

- The WorkSafe 2206 is the light in this catalog listed by its maker as intrinsically safe; confirm its rating matches the hazard class on your permit.
- Do not take a light without an intrinsic-safety listing into a space where a flammable atmosphere is possible.
- Keep scene lights and their chargers at the opening, upwind of the blower intake.
- Carry a backup light on the entrant; a right-angle light clipped to the harness frees both hands.

NARROW-SPACE PACKAGING // OUT THROUGH THE HOLE

Litters and boards sized for manholes, hatches and tight passages, with the bridles and spreader that rig them. Figures are the maker's published numbers; a dash means not listed on our product page.

Litter	Type	Capacity	Width	Weight	Page
Junkin JSA-300-CS	Narrow steel basket	1,500 lb	18 3/8 in.	23 lb	**15**
Junkin JSA-300B	Break-apart steel basket	1,500 lb	24 in.	—	**15**
KONG ROLLY	Rollable stretcher	—	—	—	**15**
KONG HALF ROLLY	Short rollable immobilizer	—	—	—	**15**
Junkin JSA-360-CS	Narrow wooden backboard	400 lb	14 in.	—	**15**
KONG X-TRIM 4	Folding carbon spinal board	—	—	—	**15**



JUNKIN

JSA-300-CS CONFINED SPACE STRETCHER

1,500 LB

Junkin's "19 in." narrow model: 18 3/8 in. W × 81 1/2 in. L × 7 3/4 in. H; 23 lb.

ITEM # V0-JS-JSA-300-CS



JUNKIN

JSA-300B BREAK-APART

1,500 LB

Two back-packable halves.

ITEM # V0-JS-JSA-300B



KONG

ROLLY

ROLLABLE

Rollable stretcher for confined-space evacuation.

ITEM # V0-KONG-890010000KK / 89001N000KK

COLORS Yellow Black



KONG

HALF ROLLY

ROLLABLE

Short rollable immobilizer.

ITEM # V0-KONG-89002N000KK



JUNKIN

JSA-360-CS 14 IN. WOODEN BACKBOARD

400 LB

Narrow confined-space board.

ITEM # V0-JS-JSA-360-CS



KONG

X-TRIM 4

CARBON

Four-section folding spinal board.

ITEM # V0-KONG-85512N000KK



JUNKIN

JSA-300X-TL BRIDLE SLING

2,500 LB

Webbing lifting bridle.

ITEM # V0-JS-JSA-300X-TL



JUNKIN

JSA-300X-3 CARABINER BRIDLE

2,500 LB

Bridle with carabiners.

ITEM # V0-JS-JSA-300X-3



JUNKIN

JSA-300X-SS CABLE BRIDLE

4,000 LB

Stainless cable bridle.

ITEM # V0-JS-JSA-300X-SS



KONG

DIAPASON SPREADER

EN 354

Keeps a casualty upright in narrow vertical extraction.

ITEM # V0-KONG-216SET000KK

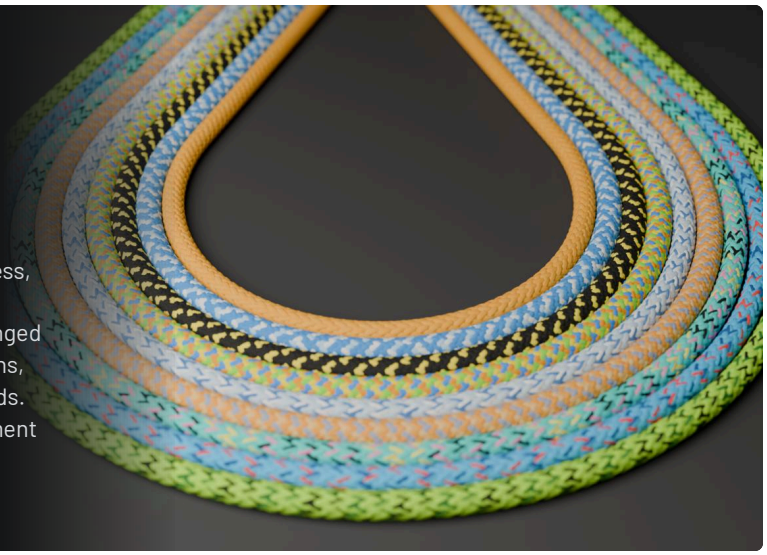
PACKAGING FOR A VERTICAL LIFT

Secure the patient at chest, hips and legs and protect the head before the lift. A narrow basket or rollable stretcher rigged from the head goes through openings a standard basket will not. Follow each maker's rigging instructions.

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.



CONFINED SPACE ENTRY & RESCUE

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

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

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

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

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**

VERTEX OUTFITTERS

EVERYONE COMES BACK OUT.

ORDER ONLINE

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

CREW & SYSTEM ORDERS

Putting together a tripod system, a davit setup for repeat entry points, or a rescue team cache? Email **info@vertexoutfitters.net** or call **301-246-2336** with your list and we'll quote it.

GOVERNMENT BUYERS

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

MORE CATALOGS

Fire & Technical Rescue · Personal Protective Equipment · Public Works, Utility & Linemen · Construction & Roofing · Spill Response. Email us and we'll send the PDF.

Confined-space equipment is only as safe as the permit program and training behind it. Product information is general guidance taken from manufacturer data; always follow each manufacturer's instructions, OSHA 1910.146 or 1926 Subpart AA, and your employer's permit program. Specifications can change — vertexoutfitters.net has the current listing. Vertex Outfitters is a DBA of GreyStone Group LLC.