



# HELIX

Harnesses





Helix Operations provide a complete capability for vertical access and rescue in mountain, maritime and urban environments.

We are based in the mountains of North Wales and have a heritage of over 40 years supplying tactical climbing solutions to end users. Over that time, we have worked with and become a main supplier of tactical climbing equipment to the UK MOD and have provided equipment, systems and training to many other nations.

The capability offered by our close relationship with DMM has been extended by partnering with manufacturers such as CTOMS, Henriksen, HQH, Protection, Rock Exotica, Highnovate and Cadex Defence to offer complete solutions for working at height in a tactical environment.

NCAGE: U1AG3  
Company Number: 10316654  
DUNS: 221986629



To be the leading worldwide provider of comprehensive vertical access, rescue and mobility capabilities to the tactical operator in the mountain, urban and maritime environments.

To support vertical access operations for the tactical operator with a range of services including:

- Advice
- Equipment
- Training
- Servicing





# Key Brands

**REBS®**

REBS supply many critical components of any maritime or urban access system. Rapid Entry Boarding Systems - the best maritime boarding equipment that also works well for urban operations. They supply the best grapnel launchers and the lightest carbon ladder systems on the market.



**HQH SYSTEM**

Robust carbon ladder systems - these are the go to ladders if TLC is in short supply. The FIX-LITE being the new ladder of choice for dismantled troops in urban environments with the ATV carbon bridge ladder demonstrating how tough carbon can be.



**ATLAS DEVICES**

The best motorised ascenders on the market with a real-life combination of versatility, ruggedness and battery life that is hard to beat.

**CTOMS™**

CTOMS was founded on the concept of evolving tactical medicine and expanded to encompass aspects of remote and improvised rescue. A key part of this evolution was the development of the TRACE™ system as micro rope system with a comprehensive capability that includes access, egress, hauling and high-lining. CTOMS are our longest standing partner and Helix are one of the very few authorised providers of training for the TRACE™ system.

**LIBERVIT**

LIBERVIT are an French company with over 25 years in design and manufacture of hydraulic tools and manual equipment for the industry, the special forces and the rescuers.



The DMM International group specialise in the manufacture of equipment and systems for operating safely at height. They have proudly manufactured all their hardware in the United Kingdom since 1981 and over that time they have established a reputation for innovation and quality.

As part of the same group of companies Helix Operations rely heavily on DMM to design, prototype and manufacture much of the core product in our range.

**PROTECTION**

An impressive micro rope system that is very intuitive to use, fast to deploy and incredibly robust. The system that came top in a recent egress system tender and impressed with its ability to meet the criteria of EN341 with a 160kg load.



Innovative rescue equipment designed and made in their factory in the USA. The range includes products that complement the DMM range of hardware - the Aztec pulley system, the Omni pulleys and the Arizona Vortex are all unique products that we are proud to offer.



Forward thinking equipment and systems designed by former operators to address gaps in current vertical assault capability. The QRAB is a class leading descender for medium diameter ropes that allows fast disengagement whilst the RAFA portable anchor gives security where normal anchors are not viable.



Precision engineering from the Canada that specialises in high end rifle systems, but also produce the best small ledge hooks on the market.

**Marlow**

Designed and manufactured in the United Kingdom with a reputation for outstanding quality and a long history of providing specialist rope solutions to military and rescue units. Marlow Ropes have a proven record as a key manufacturer of quality ropes for access, rescue and specialist products for use in helicopter operations.



# Harness Certifications

## EN 12277: 2015 + A1: 2018 Mountaineering Harnesses

Harnesses intended to hold the user in place and spread the load in the case of a fall whilst at the same time being comfortable for use in mountaineering, climbing and abseiling. Mountaineering harnesses come in a number of different designs depending on the application required. These are Type A (Full body harness), Type B (Small body harness), Type C (Sit harness) and Type D (Chest harness).

## Strength

Whole products are subjected to tensile tests on all applicable attachment points. Harnesses are subject to a 15/10kN tensile force applied in the upward direction, followed by a 10/7kN force applied downward (force dependant on harness type). Tensile forces are usually applied and held for between 1 and 3 minutes, to ensure the breaking strength of the product is in excess of the force specified by the standard. There is also a requirement that the slippage of buckles or adjusting devices does not exceed 20mm following the load being removed.

## CE EN 361

EN 361:2002: Personal protective equipment against falls from height - Full body harnesses

## CE EN 358

EN 358: Personal protective equipment for work positioning and prevention of falls from a height - Belts and lanyards for work positioning and restraint

## CE EN 813

Industrial Full Body and Industrial Sit harnesses to be used in restraint, work positioning and rope access systems, where a low point of attachment is required. Sit harnesses are not suitable to be used for fall arrest purposes.





# Harness Certifications

## SIT HARNESS - CERTIFICATION

### Product Description

Helix R3 Waist Harness	EN12277
Tactical Renegade	EN 12277:2015 Type C
Misty Mountain Operator Sit Harness	UIAA 105 Type C
Misty Mountain Cobra Sit Harness	UIAA Safety Label approved climbing sit harness.
Misty Mountain Basic Sit Harness	A UIAA Safety Label Approved low profile, modular sit harness with a load rating to 15kN
Misty Mountain Sparta Cobra Light Sit Harness	
CTOMS M2 Harness	
Yates Lightweight Assault Harness	Meets ASTM/ANSI/OSHA Seat harness standards.
Yates Padded Lightweight Assault Harness	Meets ASTM/ANSI/OSHA Seat harness standards.
Petzl Falcon Mountain	CE EN 358, CE EN 813, CE EN 12277 type C, EAC
Kong Roger	EN 12277/C EN 813
Beal Shaolin	EN 358:2000/ EN 813:2008
Centre Slidelock	EN12277:2015 C
Arc'teryx E220 Riggers Harness	EN 12277
CTOMS PocketHoist Harness	

## CHEST HARNESS - CERTIFICATION

### Product Description

Petzl Chest'Air	CE EN 361, CE EN 12277 type D, UKCA, EAC
Petzl Top	
Chest Harness	EN 12277:2015 Type D
Helix C3 Chest Harness	
Helix R3 Chest Harness	
CTOMS T2 Chest Harness	

## FULL BODY HARNESS - CERTIFICATION

### Product Description

Helix Combat Multi Harness	EN12277 (2015) & EN361 (2002)
Yates 360 Stabo	Meets FAA T50 approval for use as a short-haul harness UL Classified to meet NFPA 1983/2017 edition standards UL Classified ANSI/OSHA Z359.1-2007 harness standards
Yates 353 Lightweight Assault with Tactical Full Body Chest	
Yates 352 Padded Lightweight Assault with Tactical Full Body Chest	
Yates 355 Extraction Harness	UL Classified to meet NFPA 1983/2017 edition standards UL Classified ANSI/OSHA Z359.1-2007 harness standards
Kong Target Pro Tactical	EN 12277/C EN 361 EN 358 EN 12277/A EN 813
Petzl Avao Bod Fast International Version	ANSI Z359.11, NFPA 1983 classe III, CSA Z259.10, CE EN 361, CE EN 358, CE EN 813
Petzl Newton Fast International Version	CE EN 361, EAC, ANSI Z359.11, CSA Z259.10, UKCA
Beal Hero Pro	EN361-EN358-EN813

## RIGGERS BELT - CERTIFICATION

### Product Description

Helix R3 Riggers Belt	
Arc'teryx H150 Riggers Belt	
CTOMS M2 Belt	





# Harness Size Chart

## Waist Measurements

Harness waist belts should fit over the Iliac Crest. It should be snug enough that you cannot pull it down. Ideally the buckle adjustment should be halfway through its range and not maxed out at either end.

Leg Loops should be comfortable but do not need to be super tight. You should be able to place a flat hand between your leg and the harness.

### SIT HARNESS SIZING- WAIST MEASUREMENTS (cm)

Product Description	SMALL	MEDIUM	LARGE	X-LARGE
Helix R3 Waist Harness	68-98	72-109	82-112	90-132
Tactical Renegade	64 - 79	75 - 91	87 - 104	
Misty Mountain Operator Sit Harness	71-81	79-91	89-101	99-112
Misty Mountain Cobra Sit Harness		79-91	89-101	99-112
Misty Mountain Basic Sit Harness		79-91	89-101	99-112
Misty Mountain Sparta Cobra Light Sit Harness		79-91	89-101	99-112
Yates Lightweight Assault Harness	ONE SIZE			
Yates Padded Lightweight Assault Harness	66-79	76-91	86-101	96-122
Petzl Falcon Mountain	70-93 "SIZE 1"		83-120 "SIZE 2"	
Kong Roger	60-95	75-110		85-130
Beal Shaolin	60-100	72-120		85-140
Centre Slidelock	50-125 ONE SIZE			
Arc'teryx E220 Riggers Harness	72-80	78-86	85-95	94-104
CTOMS PocketHoist Harness	ONE SIZE			

### FULL BODY HARNESS SIZING- WAIST MEASUREMENTS

Product Description	SMALL	MEDIUM	LARGE	X-LARGE
Helix Combat Multi Harness (HCMH)	79-109	87-117	95-125	103-133
Yates 360 Stabo	ONE SIZE			
Yates 353 Lightweight Assault with Tactical Full Body Chest	66-79cm	76.2-91.5cm	86-101cm	96.5-122cm
Yates 352 Padded Lightweight Assault with Tactical Full Body Chest	66-79cm	76.2-91.5cm	86-101cm	96.5-122cm
Yates 355 Extraction Harness	ONE SIZE			
Kong Target Pro Tactical	60-95	75-110		85-130
Petzl Avao Bod Fast International Version	65-80	70-93	83-120	
Petzl Newton Fast International Version		70-93	83-120	
Beal Hero Pro	70-90	80 - 105	90 - 130	

### CHEST HARNESS SIZING- WAIST MEASUREMENTS

Product Description	SMALL	MEDIUM	LARGE	X-LARGE
Petzl Chest'Air	140 cm max chest circumference			
Petzl Top	160-200 cm			
Chest Harness	ONE SIZE			
Helix C3 Chest Harness	ONE SIZE			
Helix R3 Chest Harness	ONE SIZE			
CTOMS T2 Chest Harness	ONE SIZE			

### RIGGERS BELT SIZING- WAIST MEASUREMENTS

Product Description	SMALL	MEDIUM	LARGE	X-LARGE
Helix R3 Riggers Belt	68-98	72-109	82-112	90-132
Arc'teryx H150 Riggers Belt	72-80	78-86	85-95	94-104
CTOMS M2 Belt	ONE SIZE			







# Helix R3 Waist Harness

The Helix R3 Waist Harness is comprised of the Riggers Belt and Leg Loops, and has been designed specifically for military operational use for a wide range of missions and tasks across all environments.

The harness is certified to EN12277 (mountaineering equipment-harness) Type C.

- 1 The belt is 45mm wide and will fit into standard belt loops. It is sized so that it can take molle attachments and is stiff enough to take heavier equipment such as holsters and mission specific equipment.
- 2 The triple lock, corrosion resistant buckle requires three separate actions to release it which means it can't be accidentally opened. The belt can be used with the buckle on the left or right depending on user preference. The belt is fully adjustable, and the excess material can be stowed away. The material is lightweight and has minimal volume to reduce water absorption and drying time. The outside of the belt uses fine velcro, allowing battle belts to be positioned on top of the belt thus minimising movement. The belt includes a low profile textile belay loop on the front, which allows the user to quickly connect to an anchor or system using a tested belt with full confidence that it meets high access criteria. When not in use, the belay loop can be stowed away. Two gear loops are provided in the pack and extra sets are available as an optional extra. These velcro into position onto the harness in any position determined by the user.
- 3 The leg loops are very light and compact using a synthetic mesh to minimise their bulk and moisture retention. Available in one size, weighing just 260g. The loops are fully adjustable using the same triple lock buckles as the harness. The leg loops can be added to create a sit harness in less than 15 seconds.



The Riggers Belt, Leg Loops and gear loops can be purchased as separate products with sizes ranging from small to x-large for the belt and one size for the leg and gear loops. The waist harness, belt, leg loops and gear loops are all available in either black, coyote brown or khaki green colourways.

EN 12277:2015 Type C



Available in either black, coyote brown or khaki green colourways.





# DMM Tactical Renegade Harness

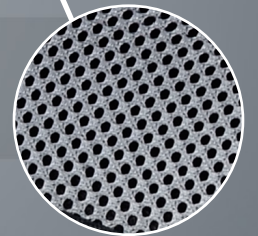
The Tactical Renegade is a comfortable and durable all-round tactical climbing harness. Generous amounts of padding provide support, and feature a mesh fabric for breathability. An internal load spreading plate gives effective lumbar support, and keeps the Renegade comfortable on hanging belays and long climbing days.

1 Fully adjustable waist and leg loops help the Tactical Renegade fit over any layering system for use in all seasons. Slidelock buckles give a speedy and secure fit. A floating waist belt keeps the padding and gear loops centralised, ensuring comfort and keeping gear within easy reach.

2 Seven gear loops make room for the biggest rack, and are positioned to ensure gear remains easily accessible. Two Vault slots let you carry dedicated ice protection.

For long mountain trad pitches to multi day mountain epics, the Tactical Renegade is a secure and comfortable all round harness.

- EN 12277:2015 Type C



Available in either Black, Multicam Original, Multicam Black, Multicam Arid, Multicam Alpine, Multicam Black



# Misty Mountain Operator Sit Harness

The ISH Assault Belt and TQ Leg Loops is the multipurpose harness of choice for Naval Special Warfare. Load rated to 15kN and suitable for fall arrest in accordance with UIAA 105 Type C.

The ISH Assault belt is a gun belt system with inner liner belt and outer load rated belt. ISH TQ Leg Loops mount to front of belt with auto locking carabiner included in the harness kit. Belt features molle for mounting mission essentials. Leg Loops feature auto-block loops for rappel backup and can be used in an emergency as tourniquets or a pelvic binder.

The leg loops can be purchased separately in the following sizes:

Medium - 19-23in / 48-58cm

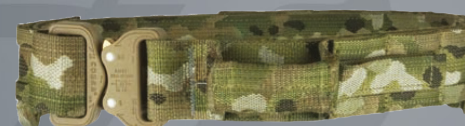
Large - 22-27in / 56-67cm

X-Large - 26-32in / 66-81cm

Available in black, coyote brown and multicam.



Materials: Nylon Webbing,  
Cordura, Polyethelene,  
Bonded Nylon Thread, Velcro,  
Austri Alpin ANSI Cobra  
Buckle



Assault Belt



Inner Liner Belt



Leg Loop and Auto Locking  
Carabiner



# Misty Mountain Cobra Sit Harness

The ISH Urban Sit Kit is a tactical harness system with a standalone belt suitable for fall arrest, hoisting and numerous vertical activities where a strong, personal protection system is required. It can scale up to a load rated UIAA Safety Label approved climbing sit harness.

The kit includes the ISH Urban Belt with Austri Alpin Cobra buckles paired with the ISH Original Leg Loops with quick adjust buckles and a Rock Exotica black Pirate auto lock carabiner.

The ISH Urban Sit Kit is the harness choice of the USSOCOM for the TCCC CASEVAC system.

The leg loops can be purchased separately in the following sizes:

Medium - 19-23in / 48-58cm

Large - 22-27in / 56-67cm

X-Large - 26-32in / 66-81cm

Available in black, coyote brown and multicam.



# Misty Mountain Basic Sit Harness

A UIAA Safety Label Approved low profile, modular sit harness with a load rating to 15kN. Suitable for lead & urban climbing, rappelling, and hoisting.

The components of the kit include a Original ISH Belt and Leg Loops, auto-locking carabiner. The belt features steel alloy parachute style slider bar buckle, reinforced side gear loops, front and rear attachment loops and a Velcro tab. The adjustable leg loops feature auto-block loops and elastic rear holdup straps.

The leg loops can be purchased separately in the following sizes:

Medium - 19-23in / 48-58cm

Large - 22-27in / 56-67cm

X-Large - 26-32in / 66-81cm

Available in black, coyote brown and multicam.





# Misty Mountain Sparta Cobra Light Sit Harness

A UIAA Safety Label Approved low profile, modular sit harness with a load rating to 15kN. Suitable for lead & urban climbing, rappelling, and hoisting.

The components of the kit include a Original ISH Belt and Leg Loops, auto-locking carabiner. The belt features steel alloy parachute style slider bar buckle, reinforced side gear loops, front and rear attachment loops and a Velcro tab. The adjustable leg loops feature auto-block loops and elastic rear holdup straps.

The leg loops can be purchased separately in the following sizes:

Medium - 19-23in / 48-58cm

Large - 22-27in / 56-67cm

X-Large - 26-32in / 66-81cm

Available in black, coyote brown and multicam.





# CTOMS M2 Harness

The M2 harness is a fully modular tactical harness system which can be built up from a Riggers Belt into a full sit harness that can also incorporate an armoured battle belt. The M2 uses a patented connection method for legs that offers several advantages over more traditional attachment designs. By eliminating reliance on a single quick release buckle there is a high attachment point which allows easy donning even when on steep and slippery terrain. Comes as standard with the Belay Master 2.



Available in Coyote Brown, Ranger Green, Black



# Yates Harnesses



**Yates Lightweight Assault Harness**

A quick adjustment with camlock buckles on the waist and leg buckle systems, allow for easier entry and adjustment of the harness. The D Ring is used for the main attachment point.

Available in Black, Tan and Foliage Green



**Yates Padded Lightweight Assault Harness**

Quick adjustment with camlock buckles on the waist, and leg buckle systems allow for easier entry and positioning of the harness. The waist and leg pads are constructed of 3/8 inch laminated foam and cordura fabric for comfort and durability. The leg pads are 4 inches wide and are contoured to provide superior comfort and function.

Available in Black





# Petzl Falcon Mountain

The Petzl Falcon Mountain sit harness is lightweight and features a bridge construction that favors progression with climbing techniques and makes it comfortable when walking. It is suitable for tactical rescue operations which involves technical climbing.

The waistbelt and leg loops are semi-rigid for comfort and are equipped with self-locking doubleback buckles for quick and easy adjustment. The rear buckle allows a chest harness to be attached.

The harness has four equipment loops: two large rigid ones in front for easy access to gear and two small flexible ones in back that will not interfere with wearing a backpack.

Certified to CE EN 358, CE EN 813, CE EN 12277 type C, EAC



Available in Black



# Kong Roger

The Kong Roger is a rescue work harness that is comfortable and easy to adjust.

It is fitted with wide and breathable paddings for comfort, four special auto-locking buckles for easy adjustment and one front belay loop. Five gear loops are arranged to avoid accidental snagging and the big rear loop offers easy handling of the operator.

Certified to EN 12277/C EN 813. Tested at 150kg.



Available in Black





# Beal Shaolin

The Beal Shaolin is a lightweight harness, designed for fall arrest and positioning in working and rescue situations.

The special feature of this harness is the integration of Web Core which is a new technology that provides exceptional comfort by perfectly distributing pressure over the hips and thighs. The Web Core is a wide, thin, light webbing that is laser-cut to the shape of the harness. The result is a harness that is more compact, lighter and more comfortable.

Geometry and design of the Shaolin such as the low position of the harness connection zone, offers great freedom of movement in the thighs and hips and excellent performance during rope ascents.

Certified to EN 358:2000/ EN 813:2008



Available in Black



# DMM Center Slidelock Harness

The DMM Centre Slidelock harness is now available from Helix Operations in Black. Designed as a minimalist harness with a simple belay bridge it is an easy to use low profile option with a large size range making it suitable for training establishments as well as for seasoned rope operators. It can also be used with the DMM Chest Harness and Bridge Sling to give greater support and a high tie in point for increased stability when working with packs or body armour.



Available in Black



Compatible with DMM Chest Harness and Bridge Sling.

Simple to use tie in point.

Stainless steel Slidelock buckles for durability.

Replaceable webbing keepers.



# Arc'teryx E220 Riggers Harness

The Arc'teryx E220 Riggers Harness is practical and convenient harness system, packaged as an emergency set-up for military or law enforcement tactical operations.

The Riggers belt, which is certified to EN358, comes with a single mesh sling which folds into two leg loops and attached to the belt to form an emergency harness that is rated to EN12277. A Vapor Mesh™ sling allows for two lightweight and breathable leg loops when the sling is attached by a carabiner to the reinforced attachment loop.

WST™ (Warp Strength Technology) means that load is evenly supported across the entire harness structure making it comfortable to wear.

A reinforced attachment loop for the attached extension of a safety belt lanyard allows the user to attach to rotary wing platforms. 11mm webbing gear loops means that optional load or tools can be attached and carried.

This expedient harness configuration is easily stored in a compact single pouch.

   Available in Multicam, Coyote and Black



# CTOMS Pocket Hoist Harness

The CTOMS PocketHoist Litter is a lightweight, small pack volume, hoist-able litter for a non-ambulatory casualty without spinal injury. It is an intermediate capability between a harness hoist and a full casualty basket, where space and weight are an issue. It can easily be packed in a back country rescue kit without a heavy carriage burden.

The support straps cinch around the casualty to hold closely in position. Adjustments can be made on the head/hood angle and leg support straps. The hood will accommodate the casualty wearing a helmet. An integrated stuff sack holds the litter until ready for use. Grab handles allow for easy maneuvering and short ground movement.



Available in Multicam and Coyote.









# Helix Combat Multi Harness (HCMH)

The Helix Combat Multi Harness (HCMH) is a fully modular tactical harness system that has been developed over several years with significant end user input and trials. The system has been specifically designed for military operational use and can be used in a wide range of missions and tasks across all environments and operational theatres. Having a single system increases safety and reduces the training burden. The HCMH system has uniquely acquired UK helicopter clearances for specialist troop emplaning & deplaning techniques as well as fulfilling mission high access requirements. Unlike other off the shelf harnesses, the HCMH fully integrates with other 'on the man' systems such as life jackets and plate carriers, ensuring greater comfort and safety of the end user.

The HCMH is issued as a single unit item complete with log cards. This allows logistics staff to easily administer the equipment. The system is initially vacuum packed which simplifies PPE inspection prior to first use. Once the system has been opened for use, all components are stored in one purpose designed breathable bag, which optimises storage. All items are interchangeable meaning when an item is damaged, it can be replaced, and the log card updated which is much more cost effective than replacing an entire system.

**1 x Riggers Belt** - A 45mm wide belt which fits into standard belt loops and can take molle attachments and heavier equipment such as pistol holders. It is fully adjustable and excess material is easily stowed away. The lightweight material has minimal volume to reduce water absorption and drying time. The outside surface of the belt uses fine velcro, allowing battle belts to be positioned on top of the belt and won't move around. The belt includes a low-profile textile belay loop on the front of the belt which allows the user to connect quickly into an anchor or system using a tested belt.

**2 x Gear Loops** - These velcro into position onto the harness in the position required by the user.

**1 x Set of Leg Loops** - These are very lightweight and compact due to the synthetic mesh which minimises their bulk and moisture retention. Weighing just 260g they can pack down into a pouch which is just 12 x 8cm. They are fully adjustable and use the same corrosion resistant buckles as the belt. They can be added to the sit harness in less than 15 seconds.

**1 x Chest Harness** - Can be worn over or underneath plate carriers and is made from mesh fabric which minimises bulk, water absorption and drying time. The integrated attachment point for the chest ascender is compatible with body armour.

**2 x PerfectO Carabiners** - This compact oval carabiner connects the chest harness to the sit harness.

**1 x Fifi Hook** with retaining grommet and mouth tab - Provides a ladder attachment point to support the load of the operator and is useful for resting or situations where two free hands are required.

**1 x Chest Ascender**

**1 x Storage Bag**

**1 x User Instructions**



Specifically designed for military/law enforcement operational use.

Fully integrates with in-service 'on the man' equipment.

Modular system provides a wide range of functionality, reduces training time and replacement cost.

Simplified storage and inspection using the bespoke storage bag and log books.



# Yates Full Body Harnesses



## Yates 360 Stabo

A fully body harness designed for operations which require rapid rappelling/abseiling and extraction.

The harness can be worn under any load-bearing vests due to the mil-spec load-bearing vest shoulder straps which are sewn into the harness. When not required, the leg straps can be stowed away in the leg pouches.

Waist and sternum buckles have secondary VELCRO® brand hook-and-loop for safety closures over buckles. A dorsal D ring is used for SPIE lanyard attachment and other connections.

The brown thread against the black material of the harness makes visual inspection easier.

Meets FAA TSO approval for use as a short-haul harness  
UL Classified to meet NFPA 1983/2017 edition standards  
UL Classified ANSI/OSHA Z359.1-2007 harness standards



Available in Black



## Yates 353 Lightweight Assault with Tactical Full Body Chest

The Yates 353 Lightweight Assault Full Body Harness is designed for short-haul, rappel and extraction (SPIE) operations. It is particularly useful where a user needs to be extracted in an upright position due to injury.

Weighing just 1.53kg / 3lb 6oz, it is very lightweight and has a low profile. It can be easily donned over tactical body armour and web gear can be work over the chest harness.

It is combined with an easily adjustable connection point chest harness.



Available in Black



## Yates 352 Padded Lightweight Assault with Tactical Full Body Chest

The Yates 352 Padded Lightweight Assault Full Body Harness is designed for short-haul, rappel and extraction (SPIE) operations. It is particularly useful where a user needs to be extracted in an upright position due to injury.

Weighing just 1.53kg / 3lb 6oz, it is very lightweight and has a low profile. It can be easily donned over tactical body armor and web gear can be work over the chest harness.

It is combined with an easily adjustable connection point chest harness.

The Yates 352B is a Padded Lightweight Assault Harness with Rear Waist Pad D Ring.



Available in Black



## Yates 355 Extraction Harness

Yates 355 Extraction short-haul harness featuring a Dorsal D ring for SPIE lanyard attachment. It is suitable for short-haul, rappel, and extraction (SPIE) operations. All the webbing and hardware is black making it suitable for tactical operations.

Two-piece quick connect buckles on the legs, waist and sternum allow for easy donning and doffing of the harness.

Meets FAA TSO approval for use as a short-haul harness.

UL Classified to meet NFPA 1983/2017 edition standards  
UL Classified ANSI/OSHA Z359.1-2007 harness standards





Available in Black

# Kong Target Pro Tactical

The Kong Target Pro is a professional full body harness for operators and rescuers which is comfortable, light and breathable.

The system comprises of a removable upper part that allows for ultra-fast dressing.

  Available in Black and Coyote





# Petzl Avao Bod Fast International Version

The Petzl Avao Bod Fast fall-arrest, work positioning and suspension harness is designed for greater comfort in all situations.

Wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. The shoulder straps have a system for stowing the fall-arrest lanyard connectors and keeping them within reach.

The Doubleback self-locking buckles at the rear of the harness, between the waistbelt and the leg loops, allow for a shorter adjustment when the dorsal attachment point is used.

It is easy to carry and organize work tools, with multiple gear loops and slots for attaching tool holders and tool pouches.

An integrated fall indicator on the dorsal attachment point is fastened with a Triact-lock automatic locking carabiner.

Certification(s): ANSI Z359.11, NFPA 1983 classe III, CSA Z259.10, CE EN 361, CE EN 358, CE EN 813



Available in Black.



# Petzl Newton Fast International Version

The Petzl Avao Bod Fast fall-arrest, work positioning and suspension harness is designed for greater comfort in all situations.

Wide, semi-rigid waistbelt and leg loops provide excellent support. Its lightweight, breathable construction maximizes air flow. The shoulder straps have a system for stowing the fall-arrest lanyard connectors and keeping them within reach.

The Doubleback self-locking buckles at the rear of the harness, between the waistbelt and the leg loops, allow for a shorter adjustment when the dorsal attachment point is used.

It is easy to carry and organize work tools, with multiple gear loops and slots for attaching tool holders and tool pouches.

An integrated fall indicator on the dorsal attachment point is fastened with a Triact-lock automatic locking carabiner.

Certification(s): ANSI Z359.11, NFPA 1983 classe III, CSA Z259.10, CE EN 361, CE EN 358, CE EN 813



Available in Black.





# Beal Hero Pro

The Beal Hero Pro harness allows workers at height to work safely and comfortably.

The X-shaped design of the shoulder straps ensures excellent load distribution. In addition, the semi-rigid thigh loops and waist belt provide optimal pressure distribution where the body is in contact with the harness, without compression points. The padded shoulder straps are held apart to minimise neck chafing. In addition, the breathable honeycomb foam lining the waistband, thigh and shoulder straps improves the overall comfort of the harness by limiting perspiration.

This harness was also designed to be as ergonomic as possible. The two side loops on the belt can be folded to save space. The two quick release buckles (one on each thigh) make it easy to put the harness on even when wearing bulky shoes. A removable elastic strap keeps the belly blocker in place on the harness.

The harness is fitted with two loops on the shoulder straps to hold accessories and four large pre-shaped gear loops around the waist. Six mini gear loops attach to expandable tool holders. The rear anchor ring is made of steel for added safety.



Available in Black.







Chest Harnesses



**HELIX**



# DMM Chest Harness

Used in conjunction with a sit harness, the Chest harness gives greater support and a high tie in point when increased climber stability is required during military or tactical situations. Use with the Bridge sling for maximum ease of use.



Available in Multicam,  
Multicam Arid, Black.



# Helix C3 Chest Harness

The C3 Chest Harness is designed to create a high attachment point for the operator when carrying heavier loads, or when better stability is required. It has been designed with other military and tactical equipment in mind, as it can be worn under the plate carrier so that it does not restrict access to pouches or equipment mounted on the vest.

The Chest Harness can be connected to the R3 Waist Harness via a webbing bridge that is adjusted via a fast adjust buckle to achieve the perfect length no matter what the operator's torso length.

Fast out buckles allow the harness components to be removed very quickly if needed.



Available in Black.





# Helix R3 Chest Harness

A single size, fully adjustable Chest Harness that was developed with input from end users. It takes elements from other Helix Chest Harnesses and combines them to give a low profile, modular Chest Harness that can be worn over or underneath plate carriers.

The main differences between the R3 Chest Harness and the C2 Chest harness are that:

- A narrow, rear securing strap (not shown) connects the Chest Harness to the Riggers Belt/Waist Harness; this minimises lift and rise up when the Chest Harness is loaded and gives greater comfort whilst ensuring the Chest Harness and plate carrier stay correctly positioned.
- The Chest Harness is broader across the chest - 30cm compared to 24cm on the C2 - this allows it to fit better when run over a plate carrier.

The R3 Chest Harness can be used in conjunction with the R3 Waist Harness to give a full body harness that is certified to EN 361. The Chest Harness can be fitted with two accessories that increase functionality:

- A bespoke Chest Ascender can be added/removed to allow rope ascent. This has a long grab tab that allows easy use with cold, wet or gloved hands.
- A high attachment point is built in which allows a bespoke ladder hook to be attached when required. This ladder hook is not only significantly stronger than any other model, but it can also be positioned to allow fast, hands free resting and then released cleanly when climbing again.

The front riser strap is adjustable and allows use on all sizes of end user.

The harness uses a mesh body that helps keep the load bearing in their optimal position. The mesh body improves performance and comfort but does not retain water like traditional padding. The harness is secured using a stage 3 buckle, that allows fast release but cannot be incorrectly or half connected.

 Available in Black.



# Petzl Chest'Air

The Petzl Chest'Air chest harness transforms the Petzl seat harness into a helivac harness.

It simply connects to the ventral attachment point of the seat harness and fastens via the fast LT buckle at the chest, for quick donning.

It adapts easily to different body types with its doubleback self-locking buckles on the shoulder straps and ventral strap.

Made with 3D foam padding providing additional comfort to the wearer whilst hanging.

☐ Available in Black.





# Petzl Top

The Petzl Top chest harness transforms the Petzl Falcon and Avao Sit seat harnesses into full-body harnesses.

The foam shoulder straps are widely spaced to reduce neck chafing and are equipped with self-locking double back buckles for quick and easy adjustment.

When the waistbelt is loaded, they help distribute the load over the shoulders.

Features a sternal attachment point so there is no interference when wearing a backpack.

Certified to CE EN 361 when used with a Petzl Falcon and Petzl Avao Sit seat harnesses.



Available in Black.



# CTOMS T2 Chest Harness

The T2 Chest harness connects into the M2 harness system and can also integrate into an operator's plate carrier system.

Typically, a chest harness goes either under the armour making the high attachment point exit from behind the plate, or more commonly it goes over the top of the plate carrier and all the attachment pouches. The problem with this approach is that the pouches are less accessible and when the harness is loaded, it could crush the contents (not ideal for first aid kits or for pressing the PPT switch on a radio).

Thus, CTOMS designed the T2 harness to seamlessly integrate into a plate carrier. The webbing runs through the MOLLE in front of the armour, but behind any mounted pouches and so solving the two major problems.

The T2 is designed to be used in conjunction with the M2 harness and in this configuration, creates a tested class 3 harness system.

The T2 uses the same convenient connection style as the patented M2 harness system. It's very easy and fast to alter the effective front length of the harness so that it can be either shortened to hold the user in the most comfortable position when the harness is loaded, or it can be released so that it is not restrictive when walking or running.

   Available in Coyote Brown, Ranger Green, Black









# Helix R3 Riggers Belt




A 45mm wide belt which fits into standard belt loops and can take molle attachments and heavier equipment such as pistol holders.

It is fully adjustable and excess material is easily stowed away. The lightweight material has minimal volume to reduce water absorption and drying time.

The outside surface of the belt uses fine velcro, allowing battle belts to be positioned on top of the belt and won't move around.

Includes a low-profile textile belay loop on the front of the belt which allows the user to connect quickly into an anchor or system using a tested belt.

Not certified to a EN standard.

   Available in Black, Khaki Green and Coyote Brown





# Arc'teryx H150 Riggers Belt

The Arc'teryx H150 Riggers Belt is a lightweight, compact, and supportive belt.

Warp Strength™ Technology uniformly spreads load and distributes weight and pressure evenly across the entire belt. It can be worn comfortably under body armor or a thigh rig.

Vertical stiffening supports holsters, sub-loads, and pouches. It compresses and packs down into a small pouch for easy storage and transportation.

Features self-locking non-reflective anodized black buckle and thermoformed tie-in point.



Available in Multicam and Coyote



# CTOMS M2 Belt

The belt consists of high strength webbing with cobra buckle inside a padded chassis. It can be combined along with the M2 Legs and X-Belt padding system which allows for a full M2 harness configuration. The new 2nd generation M2 is lighter and more comfortable than its predecessors, plus it is the first to use narrow 25mm Cobra buckles with release tabs that are flush with the frame to minimize chances of them being opened accidentally.



Available in Coyote Brown, Ranger Green, Multicam Original, and Black







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**HELIX**

Keep updated with Helix operations across platforms such as [helixoperations.com](https://helixoperations.com), Tactical and Rescue Instagram accounts as well as LinkedIn. We share exciting information regarding products we manufacture ourselves as well as key products from brands we work with.

Stay informed with key innovations across all product ranges in the tactical and rescue field as well as new courses.

Our website lists our entire range, including any certifications, technical specifications, and variations of products. You can also find information regarding courses and training, including our accreditation.





Helix Operations evolved out of DMM International when it became apparent that there was a need for a specialist company to support the government, tactical, and rescue markets.

DMM International has a global reputation as a leading manufacturer of superior height safety equipment and has supplied the UK and overseas military and government institutions with equipment since 1985. Growing demand for a broad range of complete, specialist systems where all components are selected and proven to work together led to Helix being founded on this broad wealth of expertise and experience. With a remit to bring together a portfolio of the best equipment, the resulting partnerships with companies such as REBS, CTOMS, and Atlas amongst others have allowed us to offer a complete capability for vertical access and rescue across Urban, Mountain, and Maritime environments.

Helix's mission is to provide the tactical end user with the very best equipment and systems for vertical access, egress, and rescue scenarios.

We understand that first class equipment is only one part of the equation, and that without a trained operator or enabler it is unlikely to be utilised to its true capacity. That is why Helix also offers training packages alongside systems and kit. Training can be delivered through a range of options; from standard courses for the operator, maintainer, or supervisor, through to bespoke courses covering specific scenarios. These training courses are either accredited by Helix or through external validation depending on the end user requirement and course syllabus.





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