



**heightec**<sup>®</sup>  
with respect to gravity...™

years+  
**25**

**Products for professional  
work at height and rescue**



**heightec.com**



**Products for professional work at height and rescue**

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# innovation & quality

## about heightec

25<sup>years+</sup>

heightec is an established UK manufacturer with over 25 years' experience specialising in the design of technical products for ascent, descent, work positioning, fall arrest and rescue.

Our mission is to be the most sophisticated supplier of technical work at height by combining core values of elegant, innovative products and expertise in methods of use.

Products are designed with the highest margins of safety and tested beyond the requirements of international standards.

We combine exceptional performance with superior strength and durability and manufacture our products within maximum levels of quality control.

**MADE IN  
BRITAIN** 

## design innovation

Our designs draw on decades of accumulated knowledge and expertise to develop innovative products that have a single objective - to excel at their intended function.

Our products have received many awards for innovation, including a UK Design Council Millennium Product Award and multiple Innovation Awards from the British Safety Industry Federation (BSIF).



BSIF  
INNOVATION  
AWARD



DESIGN  
COUNCIL  
AWARD



# individual products

superior design, superior function...

heightec products are designed with a single objective - to excel at whatever they do.

Each industry is unique and individual users have different needs and expectations.

All our products are designed and adapted for specific situations and techniques such as specialist rescue, tower climbing and rope access.

Our product range is specifically tailored to present you with the equipment most relevant to your industry.



View our  
product range

# DUON-Air MH02



# DUON MH01



## DUON

The first helmet that fully conforms to European Standard requirements for both industrial and climbing situations.

The DUON is the only helmet that has fully integrated adjustment, no extra parts or accessories required.

Total compliance for complex environments with changing hazards.

Industrial and confined areas require an easily releasable strap - EN 397. Situations with the risk of a fall require a strong chin strap - EN 12492. The DUON can change from one to the other at the twist of a button.

- Dual certification
- Variable buckle release force
- Adjustable ventilation system
- 10 year life span due to high level of UV resistance
- Contoured for unhindered upward vision
- Advanced cradle design for optimum comfort
- Seven points of adjustment for the perfect fit
- Compatible with a full range of standard accessories
- Improved durable headband height adjustment, no tools required
- Full range of colours and bespoke marking options available

MH02	DUON-Air	Vented	EN 397, EN 12492
MH01	DUON	Unvented	EN 397
Patented	GB 2 531 146		

## European Standards for helmets: EN 397 & EN 12492

Key differences:

- 
**EN 397 - Industrial ●**  
 Weak chinstrap - will release should the helmet / chinstrap get caught in machinery etc.  
 Small vents - prevents contact with small items - sparks, paint.
- 
**EN 12492 - Climbing ●●**  
 Strong chinstrap - helmet firmly fixed in the event of a fall.  
 Large vents - increased airflow and cooling.

## Accessories

- Visor, head torch



# harnesses

## comfort, fit, function...

Designed for absolute safety, strength and durability.

Integrated features, full adjustability for total support.

Tailored to meet technical industry demands.

### Generic features:

- Multiple attachment points
- Reinforced gear loops with SWL
- Fixed or folding side D-rings for work positioning
- Fully adjustable for the perfect fit
- Ergonomic padding for maximum comfort
- Tested in excess of EN standards

SafeLock™ quick connect buckle and size options available

### SafeLock™ quick connect buckles

Our buckle design grips webbing securely whilst retaining full adjustability.

All our quick connect harnesses feature high strength, forged alloy SafeLock™ buckles.

- Positive lock indicator
- Twin independent locking catches
- Lightweight, corrosion resistant aluminium
- Will not open under load



View harness sizing guide



**NEW**

### HELIX - H36Q

Unique gender-inclusive climbers harness for men and women

Supremely adjustable and lightweight

Prioritises comfort, fit and function

High degree of support for extended use

- Streamlined construction minimises weight
- Front chest attachment for sliders, inertia reels & lanyards
- Highly visible attachment points
- High rear attachment eliminates discomfort when climbing
- 5 points of adjustment for optimum fit
- Low profile padding contoured for added comfort
- Durable wear protection in key areas
- Integrated work positioning belt with side D-rings
- Tear-away lanyard parking points
- SafeLock™ quick connect leg and waist buckles
- Rapid fitting for emergency evacuation
- High load rating 140kg

The HELIX harness complies with Siemens PPE requirements PRO-13838 Ap1

Patent pending

### 5 points of adjustment

shoulder, waist, thigh, torso length and hip rise



CODE	DESCRIPTION	CONFORMITY	ATTACHMENT POINTS				RATING (kg)	MEASUREMENTS (cm)		
			Sternal	Dorsal	Lateral	Waist		Torso	Waist	Thigh
H36Q	HELIX quick	EN 358, EN 361	•	•	•	-	140	65-115	75-130	45-80
H36QL	HELIX quick, large		70-135	90-160	45-100					

Q = SafeLock quick connect buckles



**NEW**

**VORTEX PLUS - H34QH**

For work positioning and fall arrest

- High rear attachment point
- Alloy chest attachment point
- Integrated work positioning belt with side D's
- Low profile breathable back panel and waist pad
- Durable wear protection in key areas
- Rapid fitting for emergency evacuation
- Contoured fit for comfort and freedom of movement
- SafeLock™ quick connect chest strap, leg and waist buckles
- Integral lanyard parking points

Available with steel chest attachment point

Standard version - H34Q, H34Q2

Patented 90032940240001

CODE	DESCRIPTION	CONFORMITY	ATTACHMENT POINTS				RATING (kg)	MEASUREMENTS (cm)		
			Sternal	Dorsal	Lateral	Waist		Torso	Waist	Thigh
H34Q	VORTEX alloy quick	EN 358 EN 361	•	•	•	-	140	78-106	80-125	65-105
H34QH	VORTEX Plus alloy, quick									
H34QL	VORTEX alloy, quick, large	EN 358 EN 361	•	•	•	-	140	90-120	95-160	65-120
H34QHL	VORTEX Plus alloy, quick, large									
H34Q2	VORTEX S steel quick	EN 358 EN 361	•	•	•	-	140	78-106	80-125	65-105
H34QH2	VORTEX S Plus steel quick									
H34Q2L	VORTEX S steel quick, large	EN 358 EN 361	•	•	•	-	140	90-120	95-160	65-120
H34QH2L	VORTEX S Plus steel quick, large									

Q = SafeLock quick connect buckles

**NEW**

**EXTOL - H25Q**

Advanced full body harness with integrated SYNC ascender, designed for rope access

Increases comfort, enables a more efficient/smooth ascent

**EXTOL harness**

**Features:**

- Integrated SYNC chest ascender increases usable lifespan
- Replaceable chest section
- Front and rear attachment points
- Large waist D-ring for multiple attachments
- Reinforced gear loops 20kg SWL
- Folding side D-rings
- High lumbar support with shoulder, waist and leg padding
- SafeLock™ quick connect buckles
- Integral work seat attachment points

**SYNC chest ascender**

**Features:**

- Integrated for improved performance
- Secure, stable and comfortable
- X-Cam technology (see p.22)



Sewn directly to the harness for security and integrity, no extra connectors are required. For donning, the harness can be opened and closed as normal with a screwlink/karabiner.

Sits tightly against the chest section for efficient ascending.

Secure fit reduces movement to an absolute minimum for optimum comfort and efficiency.

Rope diameter: 10.5 - 12mm

Also available:

Standard H22Q Extol full body harness without Sync ascender



CODE	DESCRIPTION	CONFORMITY	ATTACHMENT POINTS				RATING (kg)	MEASUREMENTS (cm)		
			Sternal	Dorsal	Lateral	Waist		Torso	Waist	Thigh
H25Q	EXTOL integral, quick with	EN 358, EN 361, EN 813	•	•	•	•	140	65-90	70-140	60-80
	SYNC chest ascender	EN 567, EN 12841 (B)	-	-	-	-				
H22Q	EXTOL integral, quick	EN 358, EN 361, EN 813	•	•	•	•	140	65-90	70-140	60-80

Q = SafeLock quick connect buckles



CORONA - H54

**AURA modular system - H002Q**

Premium modular sit harness system for rope access

Includes:

**CORONA integrated chest harness - H54**

Features:

- Lightweight shoulder padding for added comfort
- Front and rear attachment points
- With integrated SYNC chest ascender
- Simple to adjust for the perfect fit

**SYNC chest ascender**

Features:

- Integrated for improved performance
- Secure, stable and comfortable
- X-Cam technology (see p.22)



Sewn directly to the harness for security and integrity, no extra connectors are required. For donning the harness can be opened and closed as normal with a screwlink.

Sits tightly against the chest section for efficient ascending.

Secure fit reduces movement to an absolute minimum for optimum comfort and efficiency.

**ECLIPSE sit harness - H02Q**

Features:

- High lumbar support with waist and leg padding
- Large waist D-ring for multiple attachments
- Folding side D-rings for work positioning
- Reinforced gear loops 20kg SWL
- Elasticated webbing retainers
- SafeLock™ quick connect leg buckles



ECLIPSE - H02Q



**MATRIX - H21Q**

Multifunctional harness suitable for all work at height

Incorporates self-balancing leg loops for ease of climbing

- Articulating leg loops for maximum freedom of movement when ladder climbing
- Shoulder, waist and leg pads
- Integral delta screwlink for fitting a chest ascender
- Folding side D-rings
- Multiple tool and accessory attachments
- Lanyard parking points
- 20kg rated gear loops
- SafeLock™ quick connect leg buckles

**NEON - H28Q**

Premium fully adjustable harness for tower climbing and rigging

- Shoulder padding
- Articulated hip and chest for flexible fit
- Alloy fall arrest D-rings
- Front and rear attachment points
- Integral positioning belt with large lumbar support and folding D-rings
- Lanyard parking points
- SafeLock™ quick connect chest strap, leg and waist buckles

Standard version - H28

CODE	DESCRIPTION	CONFORMITY	ATTACHMENT POINTS				RATING (kg)	MEASUREMENTS (cm)		
			Sternal	Dorsal	Lateral	Waist		Torso	Waist	Thigh
H54	CORONA integral chest harness, front & rear D ring	EN 361 when attached to Eclipse	•	•	-	-	140 (with Eclipse)	-	-	-
H52	CORONA chest harness, front & rear D ring		-	-	-	-		-	-	-
	SYNC chest ascender	EN 567, EN 12841 (B)	-	-	-	-	100	-	-	-
H02Q	ECLIPSE quick sit harness	EN 358, EN 813	-	-	•	•	140	-	70-140	60-80

Q = SafeLock quick connect buckles

CODE	DESCRIPTION	CONFORMITY	ATTACHMENT POINTS				RATING (kg)	MEASUREMENTS (cm)		
			Sternal	Dorsal	Lateral	Waist		Torso	Waist	Thigh
H21Q	MATRIX quick	EN 358 EN 361 EN 813	•	•	•	•	140	65-90	70-140	60-80
H21QL	MATRIX quick, large		•	•	•	•		80-105	85-165	60-100
H28Q	NEON quick	EN 358 EN 361	•	•	•	-	140	80-120	75-155	65-95
H28QL	NEON quick, large		•	•	•	-		95-135	95-160	65-120
H28	NEON		•	•	•	-		80-120	75-155	65-95
H28L	NEON large						95-135	95-160	65-120	

Q = SafeLock quick connect buckles



NEW



NEW



**NEXUS - H32**

**2 point fall arrest / restraint harness**

- Alloy rings orientate the webbing for optimum fit and comfort
- Easy to adjust shoulder buckles
- Fully adjustable and easy to don
- Front attachment / rescue point
- Rear attachment point

H32Q - NEXUS, quick

**NEXUS PLUS - H32QH**

**Enhanced 2 point fall arrest / restraint harness with lightweight jacket**

- Alloy rings orientate the webbing for optimum fit and comfort
- Easy adjust shoulder buckles
- Lightweight breathable jacket
- Low profile padding contoured for added comfort
- Fully adjustable and easy to don
- Front attachment / rescue point
- Rear attachment point
- SafeLock™ quick connect leg and chest buckles

H32QJ - NEXUS PLUS with jacket, quick

**NEXUS PRO - H32QHO**

**Enhanced 2 point fall arrest / restraint harness with lightweight jacket**

Front chest attachment for sliders, inertia reels & lanyards

- Highly visible attachment points
- Easy adjust shoulder buckles
- Lightweight breathable jacket
- Low profile padding contoured for added comfort
- Fully adjustable and easy to don
- Front attachment / rescue point
- Rear attachment point
- SafeLock™ quick connect leg

NEW



**PHOENIX PRO - H110**

**Advanced professional rescue harness**

For specialist fire and industrial rescue teams.

Has front chest attachment for sliders, inertia reels & lanyards

- Highly visible attachment points
- Protected leg webbing increases wear resistance
- Ultra secure screwlink front attachment permits multidirectional loading for casualty attachment
- Highly durable and comfortable to wear
- Unique adjustable locking side buckles allow full adjustment for users of different heights
- Rear attachment point
- Compatible with back mounted breathing apparatus
- Lanyard parking points
- Standard leg buckles

The most popular harness in the UK fire service.



**PHOENIX - H11QR**

**Professional rescue harness**

For specialist fire and industrial rescue teams.

- Protected leg webbing increases wear resistance
- Ultra secure screwlink front attachment permits multidirectional loading for casualty attachment
- Highly durable and comfortable to wear
- Unique adjustable locking side buckles allow full adjustment for users of different heights
- Rear attachment point
- Compatible with back mounted breathing apparatus
- Lanyard parking points
- SafeLock™ quick connect leg buckles

Standard version - H11, H11L

The most popular harness in the UK fire service.

Buckle options - see below.

CODE	DESCRIPTION	CONFORMITY	ATTACHMENT POINTS			RATING (kg)	MEASUREMENTS (cm)		
			Sternal	Dorsal	Lateral		Torso	Waist	Thigh
H32	NEXUS 2 point	EN 361	•	•	-	140	78-115	-	60-100
H32Q	NEXUS 2 point, quick								
H32QJ	NEXUS PLUS with jacket, quick								
H32QH	NEXUS PLUS, quick								
H32QHO	NEXUS Pro, quick								

Q = SafeLock quick connect buckles

CODE	DESCRIPTION	CONFORMITY	ATTACHMENT POINTS			RATING (kg)	MEASUREMENTS (cm)		
			Sternal	Dorsal	Lateral		Torso	Waist	Thigh
H110	PHOENIX Pro	EN 361 EN 1497	•	•	-	150	78-130	-	65-110
H11QR	PHOENIX quick								
H11	PHOENIX								
H11L	PHOENIX large								

Q = SafeLock quick connect buckles



# rope control

safe, secure, reliable...

We take time to develop products that make a real difference. Simple, effective solutions to make your work easier and safer.

Our high-specification designs excel at their intended purpose, giving maximum control in demanding industrial environments.

Our rope devices are manufactured in the UK using the highest grade stainless steel and heat treated aircraft grade alloys to achieve the ultimate strength and corrosion resistance.

They are tough, durable and functional with loading and performance characteristics that speak for themselves.



Scan to view our rope devices

**NEW**

**VECTOR - D35**

Versatile descender

**Features:**

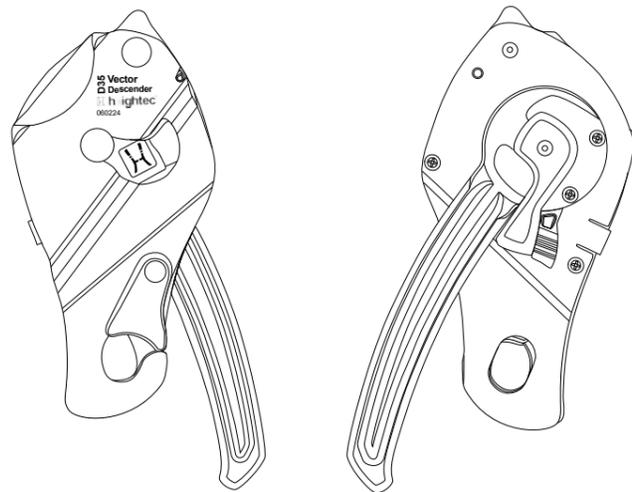
- Double action safety
- Intuitive progressive braking action
- Secondary brake to counteract panic descent
- Simple mechanism, easy to clean and inspect
- Maximum rated load 200kg - two person rescue without additional karabiner
- Can be locked out for ascending and for progress capture
- Can be used as a releasable anchor in "rig for rescue" systems
- Locks if the device is threaded backwards
- Long lifetime for demanding environments
- Built-in wear indicator

Rope diameter: 10.5 - 11mm

Patent pending



**VECTOR - D35**



**QUANTUM - D26**

High performance rope access back-up device

- Suitable for two person rescue
- Minimum slippage during arrest on various rope types
- No sheath damage even on old or dirty rope
- Unique patented cam grips rope in two places
- Opening catch allows easy attachment / detachment without risk of dropping the device
- No additional energy absorber required
- Can be used with a dynamic rope lanyard (cowstail)

Rope diameter: 10.5 - 11.5mm

Type tested to 100kg (and tested with loads in excess of 200kg for rescue use)

Designed to address the "likelihood and consequence of misuse" clause in IRATA International Code of Practice, March 2013, 2.7.7.5.

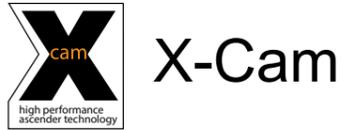
Patented EP 2 796 172



**QUANTUM - D26**



CODE	DESCRIPTION	CONFORMITY	RATING - NORMAL USE (kg)	WEIGHT (kg)
D35	VECTOR descender	EN 12841 (C)	200	0.60
D26	QUANTUM back-up	EN 353-2, EN 12841(A)	2 person rescue	0.35



advanced, high-performance design

Our unique cam design is a considerable improvement on traditional sharp toothed cams

- High strength durable construction
- Highly effective on angled ropes
- Does not jam, even against a knot
- Exceptional grip but won't pluck the rope
- Perfect for down climbing and rope manoeuvres
- Release catch allows single-handed operation

High strength toothed cam has a tensile strength around 50% greater than competitor models.

X-Cam features in all heightec ascender rope devices.



**SYNC - D44**

**Integrated chest ascender**

Integrates with CORONA chest harness (see p.14) and EXTOL rope access harness (see p.13)

- Integrated for improved performance
- Secure, stable and comfortable
- X-Cam technology

Sewn directly to the harness for security and integrity, no extra connectors are required. For donning, the harness can be opened and closed as normal with a screwlink.

Sits tightly against the chest section for efficient ascending.

Secure fit reduces movement to an absolute minimum for optimum comfort and efficiency.

Rope diameter: 10.5 - 12mm

Not sold separately



**PULSAR - D40**

**Handled ascender**

- Ergonomic handle position and profile
- One upper attachment point for versatility
- Two lower attachment points to separate cowstail and footloop

Rope diameter: 9 - 13mm

Left handed version - D40L



**COMPACT - D41**

**Basic ascender**

- Ideal spare ascender for use in hauling and rescue systems
- Two lower attachment points to separate cowstail and footloop

Rope diameter: 9 - 13mm



**TWIST - D42**

**Chest ascender**

- Can be integrated into full body harness or used to link chest and sit harness
- Profiled attachment points and slimline design

Rope diameter: 10 - 13mm

CODE	DESCRIPTION	CONFORMITY	RATING - NORMAL USE (kg)	WEIGHT (kg)
D44	SYNC chest ascender	EN 567, EN 12841 (B)	100	0.14
D40	PULSAR ascender			0.24
D40L	PULSAR ascender - left-handed			0.17
D41	COMPACT ascender			0.16
D42	TWIST chest ascender			

# rescue devices

strong, efficient, safe...

heightec has a dedicated range of rescue devices for use by fire services and industrial rescue teams.

These devices have a specific function to achieve specific rescue tasks. They establish the security and stability of our rescue systems, and help safeguard both the rescuer and the casualty.

Products are designed with the highest margins of safety and tested beyond the requirements of international standards.

Our specialist rescue devices are adaptable, versatile and strong. Designed to enhance the capacity of rescue teams to provide maximum control in the most challenging environments.



View our rescue devices

**NEW**

## RescueHauler™ - D36

### Advanced rope controller

Intuitive multifunctional design for rescue, lowering and hauling.

- SIMPLE** Single cam design gives precise control when lowering
- SAFE** Dual safety braking function increases reliability and safety
- TOUGH** Designed for extended use in aggressive environments - offshore, blasting, geotechnical

#### Features:

- Double action safety with panic locking function
- Handle positioning feature enables easy paying out of rope
- Simple mechanism, easy to clean and inspect
- Locks if threaded backwards
- Built-in wear indicator
- Load rating 200kg

Rope diameter: 10.5 - 11mm

Patent pending

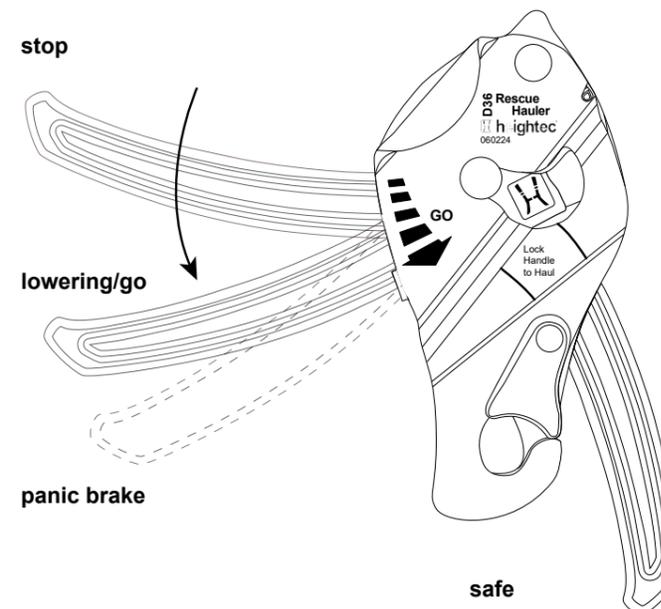


stop

lowering/go

panic brake

safe



The handle remains locked in the safe position for all functions other than descent. This reduces the need to manipulate the device for functions such as hauling and changeovers. And, reduces the risk of unintentional operation.

Stainless steel single cam design gives precise control.

CODE	DESCRIPTION	CONFORMITY	RATING - NORMAL USE (kg)
D36	RescueHauler rope controller	EN 12841 (C)	200

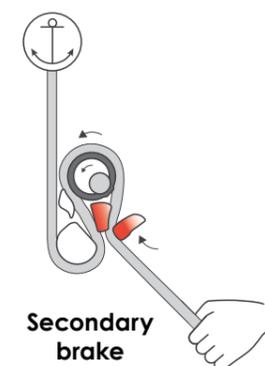
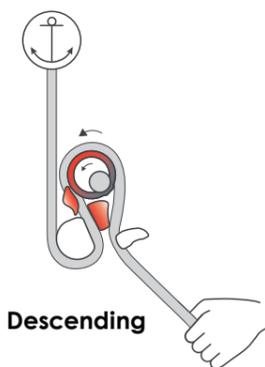
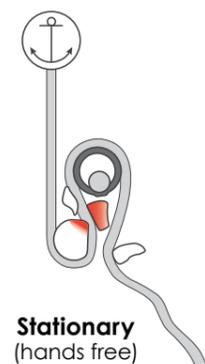
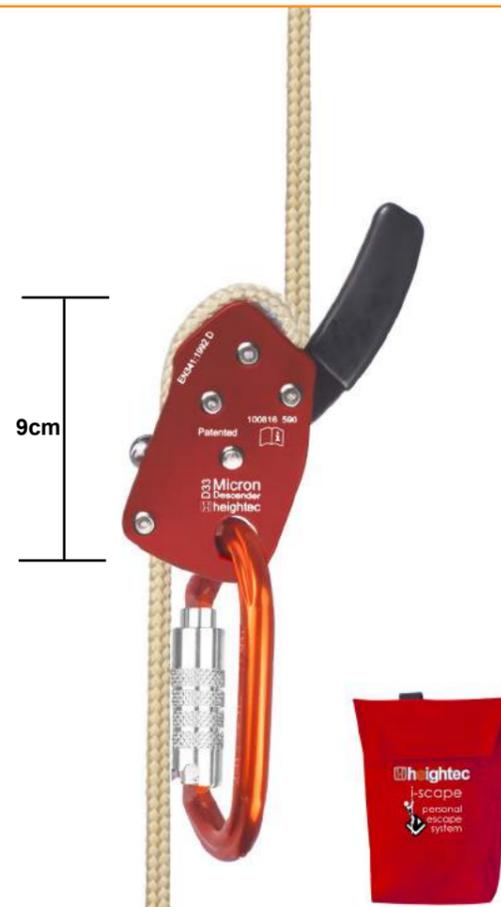
## DuoBrake™

### Two brakes are better than one

A long standing problem with descenders has been the ability to create variable friction for different descent conditions, but to also provide additional safety in the event of misuse.

Our patented DuoBrake system has a unique upper bobbin which increases the braking force provided by the user.

DuoBrake features in our MICRON, QUADRA and POWERLOCK devices.



● Denotes friction point

### MICRON - D33

**Smallest and lightest personal evacuation descender with double action safety**

Allows a person to make a fine controlled descent

- Lightweight, compact device - 109g, 90mm high
- Functionality of larger systems at a fraction of the size
- Locks if handle is released or pulled too hard
- High strength heat, cut-resistant aramid cord
- DuoBrake system for fine control



Supplied pre-assembled in kit bags

Aramid cord: 7.5mm

Patented GB 2 367 048

Available in i-Scope personal escape system

Length: 100m  
Bespoke lengths available up to 150m

**Optional ProSeal upgrade (see p.71)**

### QUADRA - D011

**Multifunction rescue device**

For life-lining, lowering, hauling and descending

Operator can change between functions instantly while rope is loaded, without adding additional components

- Folding handle prevents accidental operation
- High load capacity
- Will arrest 250kg load at Fall Factor 1/3
- DuoBrake system

Rope diameter: 10.5 - 11mm

Patented GB 2 367 048

Options:  
D01 - Corrosion resistant stainless steel



CODE	DESCRIPTION	CONFORMITY	RATING - NORMAL USE (kg)
D33	MICRON descender	EN 341 (D)	125
D011	QUADRA rescue device	EN 12841 (C)	200
D01	QUADRA rescue device, steel		
D321	POWERLOCK descender	EN 341 (B), EN 12841 (C)	



### POWERLOCK - D321

**High load rescue descender**

For two person loads with double action safety

- Designed for two person loads
- Passes EN 12416 dynamic test with 275kg
- Easy adjustment of slack rope prior to descent
- Fine control with high loads
- No need for additional friction karabiner
- DuoBrake system

Rope diameter: 11mm

Patented GB 2 367 048

# Rotor™ D61

strong, simple, versatile...

automatic rescue and evacuation device  
core component of RescuePack rescue systems

- Automatic controlled descent
- Raise casualties quickly
- Rig tensioned lines

Enables a huge range of rescue methods in diverse situations and work environments

- Unique auto-locking lift function
- Change from lowering to lifting while loaded
- Powerful brake, for high loads
- Snag free shape with no external moving parts

The full range of ROTOR rescue systems are on p.62-65



descent / lifting direction switch

drive attachment point

visible load indicator



fine control friction points



EN 341, EN 1496(A), CE EN 12841(C)

Patented GB 2 515 341

LOAD	MAX. DESCENT DISTANCE	DESCENT SPEED
30kg	21000m	0.5ms
100kg	6300m	0.6ms
140kg	4500m	0.75ms
200kg	500m	0.9ms
250kg	220m	1.7ms

m = metres  
ms = metres per second



# NEW Rotor™ MaxLift™ D62

powerful, fast, efficient

enhanced version of the ROTOR D61 with high capacity lifting function

powerful combination of speed and high load rating

greater lifting load than competitor models

All the features of the standard ROTOR with the addition of powered drive

Use in conjunction with MaxLift PowerPack add-on to optimise your system for advanced rescue methods / lifting applications, including Rescue-up and tensioned lines

- Powered drive for extensive lifting
- Excels at long distance and heavy loads with ease
- Up to 8x faster than competitor manual devices

The full range of ROTOR rescue systems are on p.62-65

## MaxLift PowerPack UMD1

for powered operation



18v Rechargeable batteries



Tool tether



3 x Hex driver

EN 341, EN 1496(A), CE EN 12841(C)

Patented GB 2 515 341

Powered lift capacity per one 5ah battery:

OPERATION	LOAD	MAX LIFT DISTANCE	LIFT SPEED
Manual	100kg	User dependent	3m/m
Powered	100kg	100m	6m/m
	140kg	55m	
	200kg	36m	
	300kg	21m	

m = metres  
ms = metres per minute

NEW



Rescue pulley - P04

Stainless steel, single sheave, rescue pulley

- Large diameter sheave increases mechanical efficiency
- Self-lubricating bearing
- Large attachment point can accommodate up to 3 connectors
- Stainless steel side plates with nylon pulley wheel for corrosion resistance and reduced spark hazard
- Wide opening swivelling plates for easy attachment to rope

Rope diameter: 13mm or smaller



Rescue pulley - P02

Lightweight, compact swing cheek pulley for general or personal use

- Large diameter sheave increases mechanical efficiency
- Self-lubricating bearing
- Large attachment point can accommodate up to 3 connectors
- Wide opening swivelling plates for easy attachment to rope

Rope diameter: 13mm or smaller



CYCLONE - P201

Heavy duty lifting pulley with locking cam

- Specifically designed to aid hauling of equipment.
- Simple, clean design for ease of rigging
  - Low friction integral pulley wheel
  - Lightweight alloy construction
  - High performance X-Cam locking mechanism

100kg rated load (determined by strength of user)

Rope diameter: 10.5 - 11mm

NB: Not certified for lifting persons



HURRICANE - D431

Rescue rope grab

Creates a quick and easy hauling system, reduces rope amount needed by 70%

- Intuitive, compact and lightweight
- Simpler to use than separate components
- Can be easily attached to a loaded rope
- Self locking pulley catch, simple operation
- Low profile attachment point for tool tether
- High performance X-Cam locking mechanism

Rope diameter: 10.5 - 12mm

Patented GB 2 410 235



RescueHauler™ - D36

Advanced rope controller

- Dual safety braking function prevents misuse
- Marking indicates handle position for efficient hauling and lifting operations
- Handle locator enables easy paying out of rope
- Simple mechanism, easy to clean and inspect
- Locks if the device is threaded backwards
- Built-in wear indicator
- High load rating 200kg

Rope diameter: 10.5 - 11mm

Patent pending



VANTAGE 5:1 locking casualty pulley system - P10\*\*

For transferring a casualty onto a rescue system without cutting connections

- Cam automatically locks, allowing simple and safe rescue procedures
- Woven sheath provides cut and abrasion resistance
- Highly compressible sheath prevents snagging between cord or pulleys
- 8mm cord gives good grip for hauling

Approved as PPE

Lengths available: 1m, 1.5m, 5m

CODE	DESCRIPTION	CONFORMITY	RATING (WLL)
P04	Pulley - swivel, nylon 5cm (stainless steel)	EN 12278	3kN
P02	Rescue pulley - swivel, nylon 5cm (alloy)		
P201	CYCLONE pulley	EN 13157:2004 + 1A:2009	1kN

CODE	DESCRIPTION	CONFORMITY	RATING (WLL)
D431	HURRICANE rope grab	EN 12278, EN 12841 (B)	1kN
D36	RescueHauler™ rope controller	EN 12841 (C)	2kN
P101	VANTAGE 5:1 locking casualty pulley - 1m	EN567 EN12278 EN564	1.4kN
P1015	VANTAGE 5:1 locking casualty pulley - 1.5m		
P105	VANTAGE 5:1 locking casualty pulley - 5m		

\*\* denotes length



# lanyards

## total quality, total reliability

heightec has a wide range of lanyards including single, twin, specialist and adjustable.

Our single leg CORE lanyards are made from UV stabilised 11mm TECTRA rope providing superb abrasion resistance.

All our single and twin lanyards have a super-compact energy absorber.

Our twin fall arrest lanyards include the ELITE and TENSOR ranges which feature patented ropes for a high degree of twist in lanyard legs, minimising kinking.

ELITE lanyards feature an automatically deploying suspension relief footloop, totally unobtrusive and simple to use.

In the event of a fall the user simply places feet into the footloop and adjusts to a suitable length, enabling them to stand. This allows blood circulation to the legs, which can delay the onset of suspension intolerance.

heightec ELITE lanyards are the only lanyard on the market with an automatically deploying integrated footloop.

The FLEXOR is our newest addition, incorporating elasticated webbing legs to reduce snagging.

The twin lanyard range includes specialist lanyards developed for use on transmission towers, for vertical climbing and structural attachment.

heightec's PIRANHA adjustable lanyards are designed for working positioning and restraints. The easy-to-use button provides smooth gradual one-handed operation for fine control even whilst wearing gloves.

### Generic lanyard features:

- Unique serial number
- For users up to 140kg

EN 354 - Lanyards  
EN 355 - Absorber  
EN 362 - Connectors

**ELITE twin lanyards with connectors - L2\*\*\***

Superior energy-absorbing twin lanyards for technical work at height with patented rope and integrated footloop

Generic lanyard features apply.

In addition, ELITE lanyards include:

- Patented high twist rope to minimise kinking
- Built-in suspension relief footloop
- Large central clip back ring
- Durable protective cover - pull back for quick and easy inspection

Optional connectors

Lengths: 125cm, 150cm, 160cm, 175cm, 185cm



ELITE - L2T150S

HARNES CONNECTOR		ANCHORAGE CONNECTOR					
Oval screwlink (M)	Triple action karabiner (T)	ELITE: Scaffold hook (S)	Steplock hook (B)	Double hooks: Pear hooks & Steplock (BC)	Twistlock karabiner (K)	CE / ANSI hook (A)	Clip back (C)

CODE	DESCRIPTION	TYPE	LEGS	HARNES CONNECTOR	LENGTH OPTIONS (cm)	ANCHORAGE CONNECTOR
L2M***S	ELITE twin lanyard - oval, scaffold hooks	L	2	M	125, 150, 160, 175	S
L2T***S	ELITE twin lanyard - triple action, scaffold hooks	L	2	T	125,150, 160, 175	S
L2T150B	ELITE twin lanyard - triple action, steplock	L	2	T	150	B
L2T***A	ELITE twin lanyard - triple action, ANSI	L	2	T	125, 160, 175	A
L2T170BC	ELITE twin lanyard - triple action, pear, steplock, clip back	L	2	T	170	BC
L2T185KC	ELITE twin lanyard - triple action, twistlock, sleeve, clip back	L	2	T	185	KC
L2T185KCA	ELITE twin lanyard - triple action, ANSI, clip back	L	2	T	185	KCA

\*\*\* denotes lanyard length eg: L2M150S - (150cm including connectors)

**NEW**

**FLEXOR twin lanyards with connectors - LE2\*\*\***

Elasticated energy absorbing twin lanyards

Generic lanyard features apply.

In addition, FLEXOR lanyards include:

- Elasticated webbing reduces to 1/3 of extended length
- Improves safety by reducing entanglement and snagging risks
- Large central clip back ring
- Durable protective cover - pull back for quick and easy inspection

Optional connectors

Lengths: 150cm, 155cm, 160cm, 175cm, 185cm



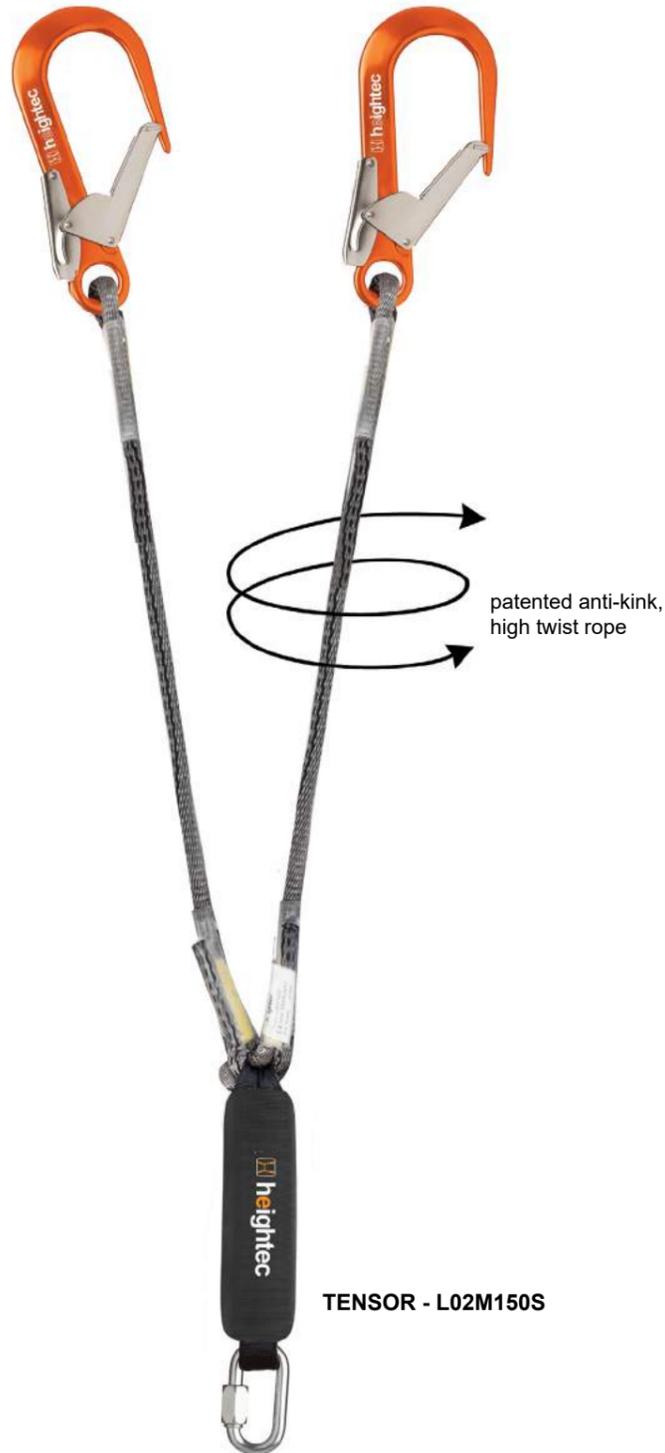
FLEXOR - LE2T155S

Min length: 100/120 cm  
Max length: 155/180 cm

HARNES CONNECTOR	ANCHORAGE CONNECTOR			
Triple action karabiner (T)	Scaffold hook (S)	Steplock hook (B)	Twistlock karabiner (K)	CE / ANSI hook (A)

CODE	DESCRIPTION	TYPE	LEGS	HARNES CONNECTOR	LENGTH OPTIONS (cm)	ANCHORAGE CONNECTOR
LE2T***S	FLEXOR twin lanyard - triple action, scaffold hooks	L	2	T	155, 185	S
LE2T***K	FLEXOR twin lanyard - triple action, twistlock	L	2	T	175	K
LE2T150B	FLEXOR twin lanyard - triple action, steplock	L	2	T	150	B
LE2T***A	FLEXOR twin lanyard - triple action, ANSI	L	2	T	160,185	A

\*\*\* denotes lanyard length eg: LE2T155S - (155cm including connectors)



TENSOR - L02M150S

**TENSOR twin lanyards with connectors - L02\*\*\***

**High specification energy absorbing twin lanyards**

Generic lanyard features apply.

In addition, TENSOR lanyards include:

- Patented high twist rope prevents kinking
- Durable protective cover - pull back for quick and easy inspection

Optional connectors

Lengths: 100cm, 125cm, 150cm

See table for lengths and connector options.

HARNES CONNECTOR		ANCHORAGE CONNECTOR	
Oval screwlink & (M)	Triple action karabiner (T)	ELITE: Scaffold hook (S)	Twistlock karabiner (K)

**L0 - TENSOR lanyards - connector options**

CODE	DESCRIPTION	TYPE	LEGS	HARNES CONNECTOR	LENGTH OPTIONS (cm)	ANCHORAGE CONNECTOR
L02M***S	TENSOR twin lanyard - oval, scaffold hooks	L0	2	M	100, 125, 150	S
L02T***S	TENSOR twin lanyard - triple action, scaffold hooks			T		S

\*\*\* denotes lanyard length eg: L02M100S - (100cm including connectors)



CORE single - L1B175S

**CORE single lanyards with connectors - L1\*\*\***

**Value lanyards for applications that don't need the advanced features of ELITE lanyards.**

Generic lanyard features apply.

In addition, CORE lanyards include:

- Removable energy absorber connector

Optional connectors

Length: 175cm

HARNES CONNECTOR	ANCHORAGE CONNECTOR	
Oval screwlink & (M)	Twistlock karabiner (K)	CORE: Scaffold hook (S)

**L1 - CORE lanyards - connector options**

CODE	DESCRIPTION	TYPE	LEGS	HARNES CONNECTOR	LENGTH OPTIONS (cm)	ANCHORAGE CONNECTOR
L1B175K	CORE single lanyard - twistlock	L	1	M	175	K
L1B175S	CORE single lanyard - scaffold hook	L	1	M	175	S

\*\*\* denotes lanyard length eg: L02M100S - (100cm including connectors)



**PYTHON lanyard - LD\*\*\***

For work restraint or as component part of fall arrest system

- 11.5mm diameter dynamic rope lanyard
- Sewn termination

Lengths: 60cm, 100cm

CODE	DESCRIPTION	CONFORMITY	RATED LOAD
LD060	PYTHON lanyard	EN 354, EN795	SWL 1 person
LD100	PYTHON lanyard		

**PIRANHA adjustable lanyards**

Versatile adjustable lanyard in 2m to 20m lengths for work positioning and restraint situations.

**PIRANHA adjustable lanyard features:**

- Range of lengths and connector options
- Adhesive heat shrink on sewn terminations
- One-handed operation
- Easy to use, even when wearing gloves
- User replaceable rope
- Locks automatically when loaded
- Visible overload indicator
- Individual ID number

Rated load 150kg

Patented GB 2 543 699



**PIRANHA adjustable lanyard - LA02H**

See length and connection options

ROPE ADJUSTER	HARNES CONNECTOR		ANCHORAGE CONNECTOR			
PIRANHA (LA)	Oval screwlink (steel)*	ASTRA triple action karabiner (steel)*	Safety hook (H)	Twistlock karabiner (T)	Scaffold hook (S)	CE / ANSI hook (A)

**PIRANHA adjustable lanyard options - with connectors**

CODE	DESCRIPTION	CONFORMITY	LENGTH (m)	LOADING (kg)
LA02H	PIRANHA adjustable lanyard - 2m, hook	EN 358	2	125
LA02T	PIRANHA adjustable lanyard - 2m, twistlock			
LA02S	PIRANHA adjustable lanyard - 2m, scaffold hook			
LA02TH	PIRANHA adjustable lanyard - 2m, steel tri-act / hook			
LA02AS	PIRANHA adjustable lanyard - 2m, steel tri-act / ANSI hooks			
LA03H	PIRANHA adjustable lanyard - 3m, hook			
LA05H	PIRANHA adjustable lanyard - 5m, hook		3	
			5	

**PIRANHA adjustable lanyard options - without connectors**

CODE	DESCRIPTION	CONFORMITY	LENGTH (m)	LOADING (kg)
LA02	PIRANHA adjustable lanyard - 2m, no connectors	EN 358	2	125
LA05	PIRANHA adjustable lanyard - 5m, no connectors		5	
LA10	PIRANHA adjustable lanyard - 10m, no connectors		10	
LA20	PIRANHA adjustable lanyard - 20m, no connectors		20	

\* Safety hook supplied with oval screwlink / twistlock supplied with karabiner  
Replacement rope available for all PIRANHA versions

**LASER tensioned horizontal anchorage line - LH\*\***

Dissipates the energy from a fall with no damage to rope or adjuster

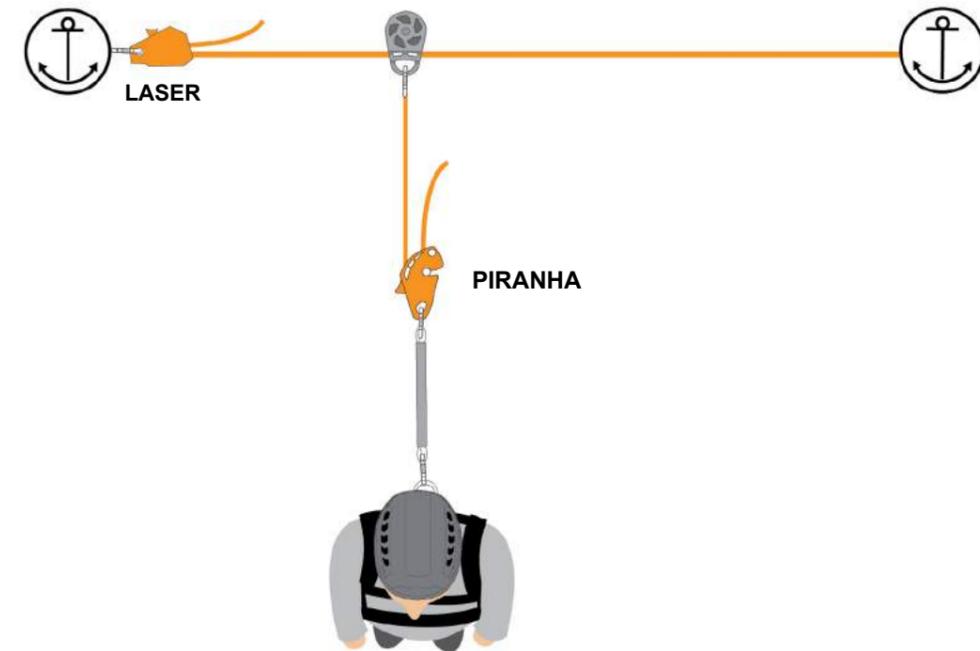
- Easy to adjust and release
- Suitable for restraint or fall arrest\* (see table below)
- Stainless steel tensioning unit
- No intermediate anchors required
- Load rating (two persons 250kg)

Rope diameter: 13mm

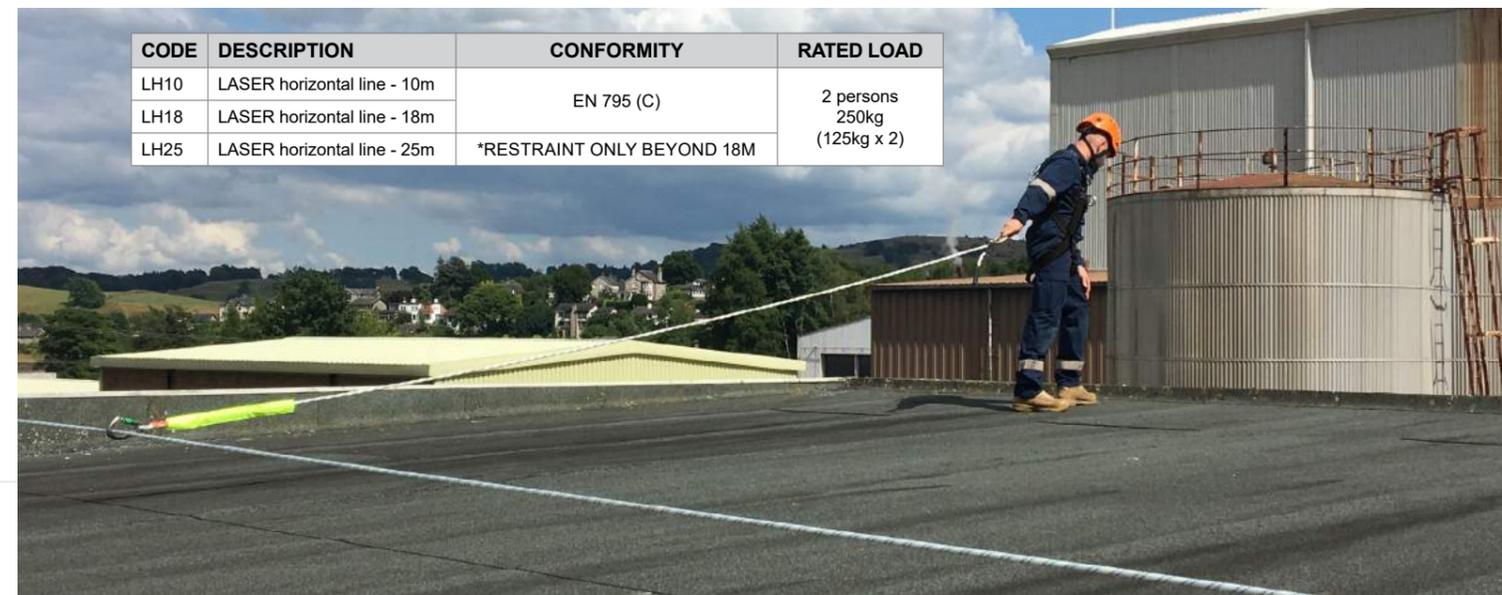
Lengths: 10m, 18m, 25m

\*\* Denotes length

For large area access, the PIRANHA adjustable lanyard can be attached to the LASER allowing independent adjustment of the user's position in perpendicular directions.



CODE	DESCRIPTION	CONFORMITY	RATED LOAD
LH10	LASER horizontal line - 10m	EN 795 (C)	2 persons 250kg (125kg x 2)
LH18	LASER horizontal line - 18m		
LH25	LASER horizontal line - 25m		
		*RESTRAINT ONLY BEYOND 18M	



## KARI transport bags

### Tough, multipurpose roll-top transport bags

Designed with all the usual characteristics of dry bags with additional features for work at height.

Range of styles and capabilities for every application.

#### Features:

- Rucksack style carrying straps
- Roll-top closure
- High strength fully welded seams
- Totally waterproof
- Lockable side fasteners
- Load rated daisy chain
- Reinforced base
- Clear document pocket
- Rated with WLL

Meets requirements of IPX7 - accidental immersion in water.



KARI 5 - B05

KARI 15 - B15



KARI 30 - B30

KARI 50 - B50

KARI 65 - B65



Rucksack style



Roll top



Tamper proof security tag

CODE	DESCRIPTION	RATING WLL (kg)	LENGTH (cm)	WIDTH (cm)	DEPTH (cm)	SIZE (ltr)	APPROX. ROPE CAPACITY (m)
B05	KARI 5	5	30	Ø 21	-	5	15
B15	KARI 15	7	35	Ø 23	-	15	50
B30	KARI 30	18	50	Ø 27	-	30	100
B50	KARI 50	18	100	Ø 27	-	50	150
B65	KARI 65	20	70	40	25	65	200

**FASTCLIP - CH141**

**Alloy double action Vessel Transfer Connector**

Allows rapid attachment and release from retractable systems. Can be released under partial load e.g. when stepping onto the deck of the transfer vessel.

- Instant, single-handed operation
- Offset double action safety mechanism
- Unique forked gate allows immediate closure
- Positive lever action enables immediate disconnection
- Integral load indicator

EN 362, MBL 24kN, WLL 240 kg



**Steel karabiners**



**ASTRA - CKS2**  
Screwgate D



**ASTRA - CKS3**  
Twistlock D  
Captive Pin Optional



**ASTRA - CKS4**  
Triple Action D  
Captive Pin Optional

**Alloy karabiners**



**ALTAIR - CKA1**  
Screwgate D



**ALTUS - CKA2**  
Screwgate D



**ALTUS - CKA3**  
Triple Action D



**ALTO - CKA4**  
Screwgate Oval



**ALTO - CKA5**  
Triple Action Oval

CODE	DESCRIPTION	CONFORMITY	BAR DIAMETER (mm)	GATE OPENING (mm)	STRENGTH (kN)
CKA1	ALTAIR screwgate D	EN 12275	11	21	28
CKA2	ALTUS screwgate D		13	22	28
CKA3	ALTUS triple action D		13	22	28
CKA4	ALTO screwgate oval		12	17	22
CKA5	ALTO triple action oval		12	19	22
CKS2	ASTRA screwgate D	EN 362	11	20	45
CKS3	ASTRA captive twistlock D		11	22	45
CKS4	ASTRA captive triple action D		12	24	45



**Footloop - MMFL4**

- Reinforced durable steps
- Lightweight and compact
- Adjustable one step modified for a range of lengths



**MESA workseat - MMWS1**

- Fully adjustable with tool suspension points
- Marine ply with closed cell foam padding
- SWL 1 person, non PPE
- 50cm wide



**Protected Nylon Sling - S25N\*\*\*P**

- 25mm webbing protected sling
- High visibility protective sleeve
- Sleeve provides extra abrasion resistance and easy inspection
- Unique ID number

Lengths: 30cm, 60cm, 120cm, 240cm



**Nylon Sling - S25N\*\*\***

- 25mm webbing round sling
- Can be used end-to-end or wrapped around as a strop
- Allows easier connection to anchor point
- Unique ID number

Lengths: 60cm, 120cm, 240cm



**Anchor Strop - A\*\*\***

- 7mm hard-wearing steel wire
- Large thimble allows rotation of connectors for easy rigging
- Clear PVC cover for quick inspection
- Unique serial ID number

Lengths: 100cm, 150cm, 200cm

CODE	DESCRIPTION	CONFORMITY	RATING
S25N***	Nylon sling - (nylon)	EN 354, EN 566, EN 795 (B)	200kg 22kN MBL
S25N0***P	Protected sling - (nylon)		
A***	Anchor strop - 7mm, (g/steel)	EN 354, EN 795 (B)	300kg WLL

\*\*\* Denotes length

**TECTRA™ low stretch rope**

**RS105 - 10.5mm static rope**



**RS110 - 11mm static rope**



**RS110G - 11mm static rope**



**RS110B - 11mm static rope**



**For fall protection, rescue, rope access and evacuation**

High twist polyamide yarn gives excellent handling characteristics and knotability - wear resistant and durable.

- High strength
- Special treatment for improved characteristics when wet
- Thermostabilisation of yarn at different stages of production
- Tightly woven sheath protects the core from UV light, cutting, dirt and abrasion.

5% elongation when in use  
6.5% shrinkage

32kN MBL\* - unknotted  
22kN MBL\* - sewn  
18kN MBL\* - knotted

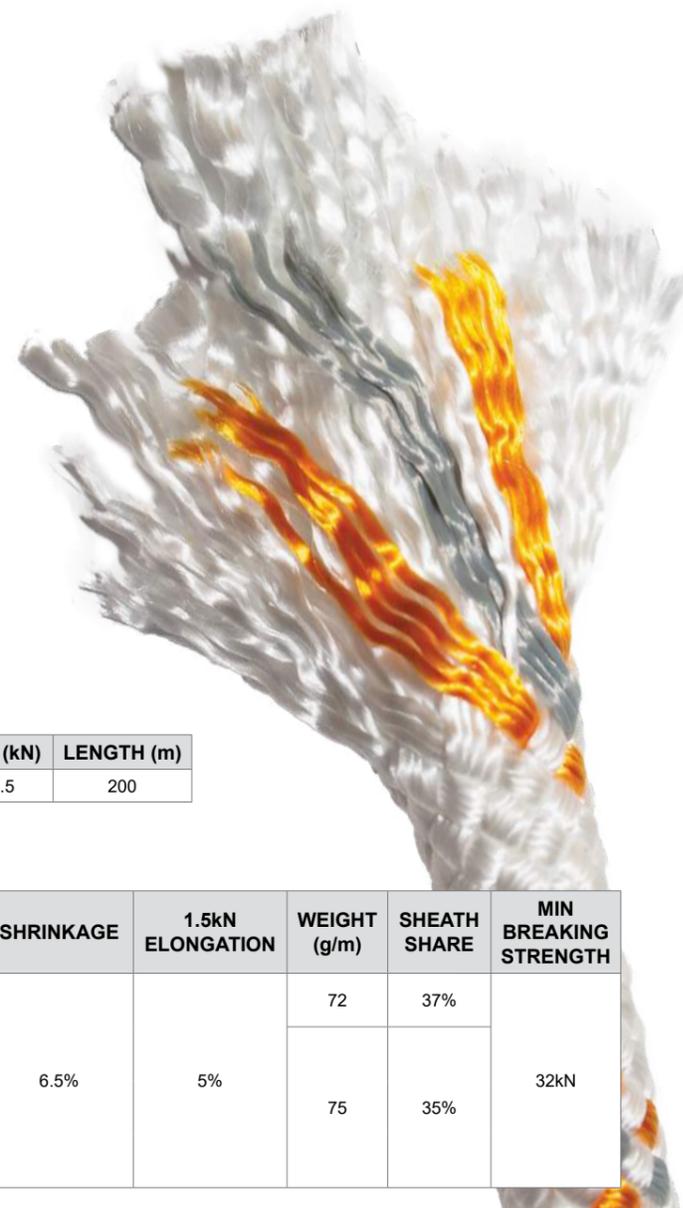
\*Minimum Breaking Load

**Accessory cord**



**RA06 - 6mm, 200m length**

- Cord available in a range of diameters
- Sold in reels
- Colours may vary from images shown.



**Accessory cord**

CODE	DESCRIPTION	CONFORMITY	DIAMETER (mm)	MBL (kN)	LENGTH (m)
RA06	Accessory cord - 6mm	-	6	13.5	200

**TECTRA™ low stretch rope**

CODE	DESCRIPTION	CONFORMITY	DIAMETER (mm)	SHEATH SLIPPAGE	SHRINKAGE	1.5kN ELONGATION	WEIGHT (g/m)	SHEATH SHARE	MIN BREAKING STRENGTH
RS105	TECTRA low stretch rope - white	EN 1891 (A)	10.5	0.04% based on 200m of rope	6.5%	5%	72	37%	32kN
RS110	TECTRA low stretch rope - white								
RS110G	TECTRA low stretch rope - gold		11				75	35%	
RS110B	TECTRA low stretch rope - black								



**GRATEMATE PLUS - MR60Q**

Clamps instantly and securely to grating

- Two separate rope apertures prevent rope-on-rope friction
- Fits a wide range of grating sizes
- Cam lever for easy installation / removal
- Rope sizes up to 13mm

Registered Design 5003381



**SENTINEL - MR705**

50cm chainmail wrap-around, mid-rope protector

- Extreme cut and corrosion resistance
- 'See-through' chainmail construction allows inspection of rope without removing protector
- Velcro closure strip enables quick fit
- Includes cord for protector attachment

Option: PVC cover - MR705P

Patent Pending



**GRATEMATE - MR63**

Glass reinforced nylon (GRN) rope protector for metal or composite grating walkways

- Two separate rope apertures prevent rope-on-rope friction
- Durable, lightweight GRN construction
- Fits a wide range of grating sizes
- Four cord holes to secure to structure
- Rope sizes up to 13mm



**MANTLE - MRP05 / MRP10**

Canvas rope protector suitable for abrasive blunt edges

- Canvas gives better performance than PVC
- Includes attachment cord
- Velcro closure

Lengths: 50cm, 100cm



**CASCADE - MR75**

Edge protector for multiple ropes

- Heavy-duty stainless steel
- Double rope channels
- Rounded edge - reduces friction when hauling / lowering



**TORRENT - MR85**

Heavy duty rope protection pad for on/over edges

- Heavy duty, triple layer construction
- Captivates rope while allowing visibility
- Includes attachment cord



# work kits

complete solutions,  
ready to use...

We have provided purpose designed work kits for over 25 years.

Our off-the-shelf work solutions combine carefully selected components to ensure maximum safety and optimum efficiency for personnel working at height in industrial environments.

If you prefer, you can build your own work kit by choosing any relevant product from our range.

As a UK manufacturer, we supply direct to end users or via our specialist stockists in the UK and around the world.



Scan to view our  
work kits



**NEW**

## Wind Turbine Climber Kits

Complete kit with lanyard options

**Harness**  
Standard or large size

**HELIX harness**

- Unique gender-inclusive climbers harness for men and women
- Front attachment point for sliders, inertia reels & lanyards (see p.11)

**Lanyard options**

**ELITE twin lanyards - scaff hook (standard kit)**

- Compact absorber design is quick and easy to inspect
- High loading characteristics
- Patented high twist rope reduces kinking in lanyard legs
- Integral suspension relief footloop
- Large central clip back ring

OR

**ELITE twin lanyards - CE/ANSI hook (international kit)**

- Compact absorber design is quick and easy to inspect
- High loading characteristics
- Patented high twist rope reduces kinking in lanyard legs
- Integral suspension relief footloop
- Large central clip back ring

**Core equipment**

**DUON-Air helmet**

- Dual certification with variable buckle release force
- Adjustable ventilation system
- 10 year life-span due to high level of UV resistance

**PIRANHA adjustable lanyard**

- Single-handed operation
- Easy to use even when wearing gloves
- Locks automatically when loaded
- Rope can be replaced
- Rated load 125kg

**Protected nylon sling**

- 25mm webbing protected sling
- High-vis sleeve for added protection and easy inspection

**KARI 30L transport bag**

- Multipurpose waterproof roll top bag
- Rucksack style carrying straps
- Lockable side fasteners
- High strength welded seams
- Rated 18kg WLL

Kit includes headtorch

**NEW**

Standard Kit



HELIX harness - H36Q

**NEW**

International Kit



HELIX harness - H36Q



ELITE twin lanyard - L2M150S

OR



ELITE twin lanyard - L2T160A



DUON-Air helmet - MH02



PIRANHA lanyard - LA02H



Protected sling - S25N060P



KARI bag - B30



## Rigger's Tower Climbing Kit

### Complete kit with harness options

**Harness**  
Standard or large size

**MATRIX harness**

- Incorporates articulated legs for comfort when ladder climbing
- Suitable for suspended work at height & rope access (see p.15)

OR

**NEON harness**

- Chest rings for comfort and freedom of movement
- Large lumbar support pad (see p.15)

**Core equipment**

**ELITE twin lanyards**

- Compact absorber design is quick and easy to inspect
- High loading characteristics
- Patented high twist rope reduces kinking in lanyard legs
- Integral suspension relief footloop
- Large central clip back ring

**DUON-Air helmet**

- Dual certification with variable buckle release force
- Adjustable ventilation system
- 10 year life-span due to high level of UV resistance

**PIRANHA adjustable lanyard**

- Single-handed operation
- Easy to use, even when wearing gloves
- Locks automatically when loaded
- Rope can be replaced
- Rated load 125kg

**KARI 30L transport bag**

- Multipurpose waterproof roll top bag
- Rucksack style carrying straps
- Lockable side fasteners
- High strength welded seams
- Rated 18kg WLL



MATRIX harness - H21Q

OR



NEON harness - H28Q



DUON-Air helmet - MH02



ELITE twin lanyard - L2M125S



PIRANHA lanyard - LA02H



KARI bag - B30

**NEW**

## Rope Access Kit

### High specification rope access kit

#### DUON-Air helmet

- Dual certification with variable buckle release force
- Adjustable ventilation system
- 10 year life-span due to high level of UV resistance

#### EXTOL Integral harness

- Front and rear attachment points
- Reinforced gearloops 20kg SWL
- High lumbar support with shoulder, waist and leg padding (see p.13)

#### SYNC chest ascender

- Integrated chest ascender
- Does not jam, even against a knot
- Sits tightly against the chest for efficient ascending and supreme comfort
- Features X-Cam™ technology

#### VECTOR descender

- Double action safety
- Predictable, progressive braking action
- Progressive secondary brake to counteract panic descent
- Simple mechanism, easy to clean and inspect

#### QUANTUM back-up

- Suitable for two person rescue, no additional energy absorber required
- Unique patented cam grips rope in two places
- Self-parking capability, even after extended use

#### PULSAR ascender

- Does not jam, even against a knot
- Exceptional grip but won't pluck the rope
- Perfect for down climbing and rope manoeuvres

#### KARI 30L transport bag

- Multipurpose waterproof roll top bag
- Rucksack style carrying straps
- Lockable side fasteners
- High strength welded seams
- Rated 18kg WLL

#### FOOTLOOP 4 step - 130cm

- Lightweight & compact
- Reinforced treads to hold shape and increase durability

Kit includes karabiners and cowstails

X-Cam™ technology features in all our cammed devices.



SYNC



PULSAR - D40



KARI Bag - B30



DUON-Air - MH02



QUANTUM - D26



VECTOR - D35

**NEW**



EXTOL Integral - H25Q



FOOTLOOP - MMFL4



**NEW**

## Roof work kit

Versatile kit for varied situations

### NEXUS PRO harness

- Front chest attachment for sliders, inertia reels & lanyards
- Highly visible attachment points
- Low profile padding contoured for added comfort (see p.16)

### TENSOR twin lanyards

- Compact absorber design is quick and easy to inspect
- High loading characteristics
- Patented high twist rope reduces kinking in lanyard legs

### DUON-Air helmet

- Dual certification with variable buckle release force
- Adjustable ventilation system
- 10 year life-span due to high level of UV resistance

### PIRANHA adjustable lanyard

- Single-handed operation
- Easy to use even when wearing gloves
- Locks automatically when loaded
- Rope can be replaced
- Rated load 125kg

### KARI 30L transport bag

- Multipurpose waterproof roll top bag
- Rucksack style carrying straps
- Lockable side fasteners
- High strength welded seams
- Rated 18kg WLL

### MANTLE rope protector

- Canvas gives better performance than PVC versions
- Includes cord for attachment to rope
- Velcro closure

### Anchor strop

- 7mm hard wearing steel wire
- Large thimble allows rotation of connectors for easy rigging
- Clear PVC cover for quick inspection

Kit includes karabiners



PIRANHA lanyard - LA02H



MANTLE rope protector - MRP05



Anchor strop - A200



DUON-Air helmet - MH02

**NEW**



NEXUS PRO harness - H32QHO



TENSOR twin lanyard - L02M100S



Protected sling - S25N030P



KARI bag - B30



## lifting & lowering

### lighten the load...

Traditional lifting equipment has often been too big and heavy for the kind of lifting commonly done during work at height.

heightec offer a range of lightweight lifting equipment, from basic to advanced kits, which build on our extensive experience developing work and rescue products.

Our lifting kits use a modular approach to provide simple and versatile solutions for a range of situations.

**Lifting & Lowering - WK52**

**Simple lifting and lowering kit for small to medium loads**

Locking pulley for safe lifting, standard pulley for improved efficiency or redirection

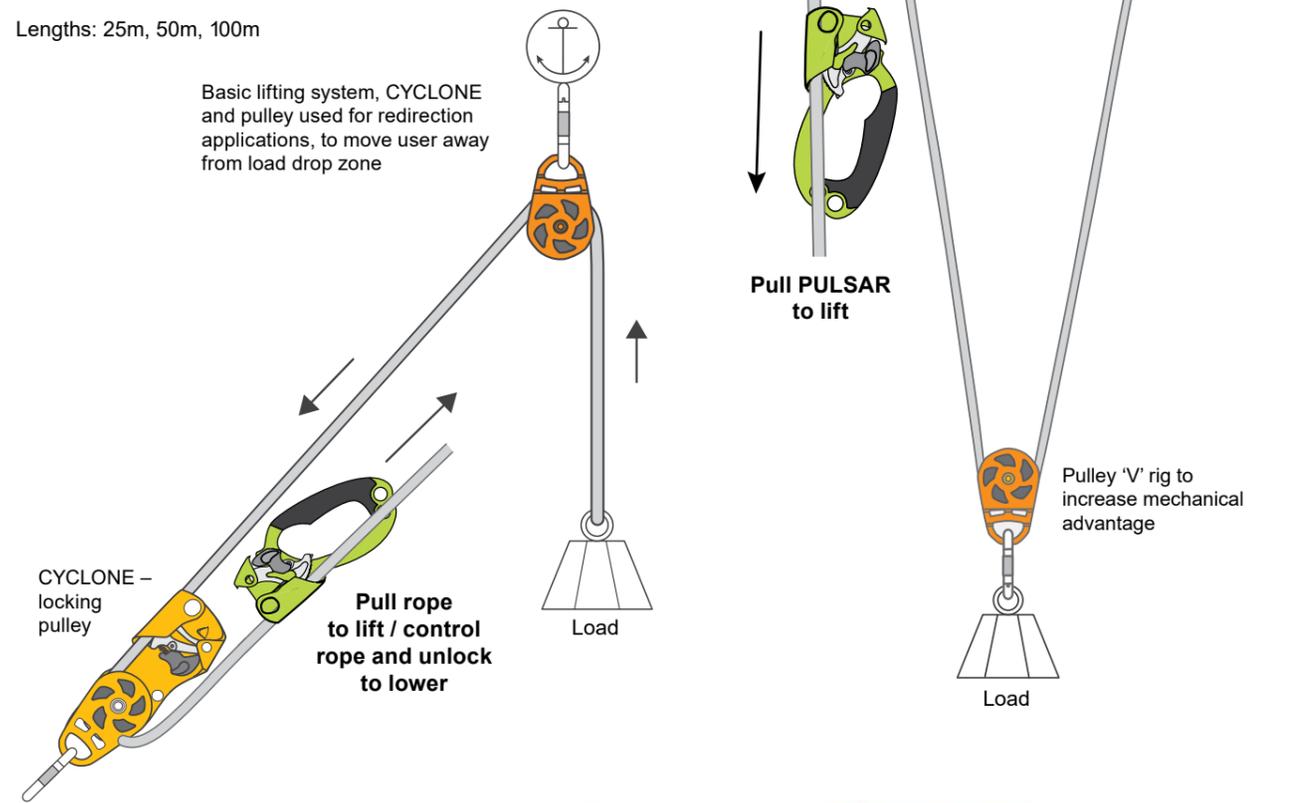
- CYCLONE locking pulley, durable, corrosion resistant
- PULSAR handled rope grab, increases pulling force and load range
- Pulley for redirection or mechanical advantage
- Ideal for offshore use

**NB: not certified for lifting people**

(see p. 30-31 for device details)

Lifting range: 5-50kg  
SWL 100kg

Lengths: 25m, 50m, 100m



Contents:



CYCLONE PULSAR Pulley Protective Sling Karabiner KARI Bag

**NEW**

**Advanced Lifting & Lowering - WK54**

**Comprehensive kit allowing multiple configurations for lifting, lowering and directing loads**

Mechanical efficiency and lowering control can be adapted to suit load and application

- RescueHauler efficient lowering and lifting with progress capture
- HURRICANE creates 'Z' rig (3:1) in one simple step
- PULSAR handled rope grab, increases pulling force and load range
- CYCLONE locking pulley, durable, corrosion resistant
- Pulley for redirection or mechanical advantage
- Simple to change from lifting to lowering, can be made whilst under load, remove HURRICANE & PULSAR (shown in grey)

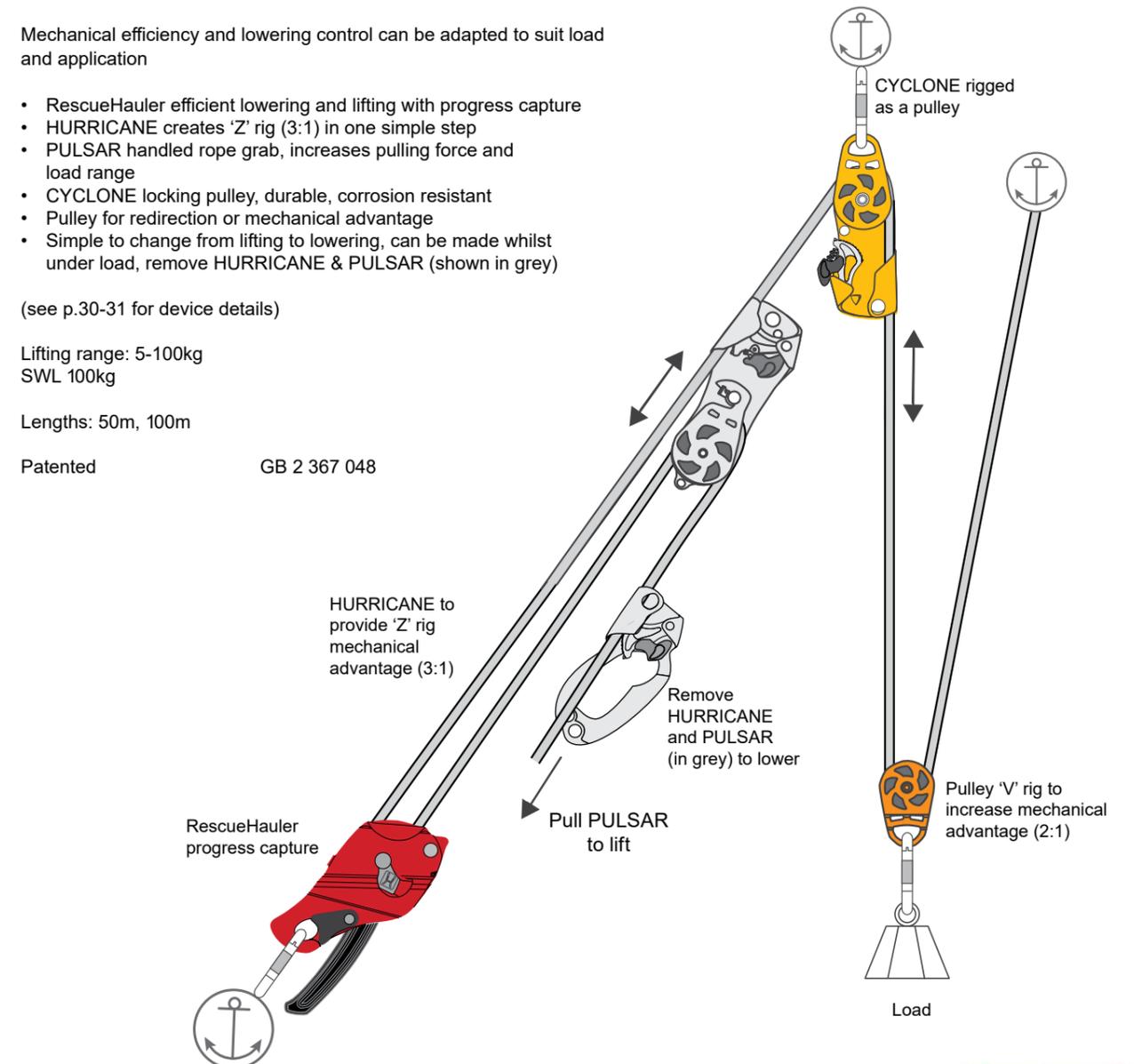
(see p.30-31 for device details)

Lifting range: 5-100kg  
SWL 100kg

Lengths: 50m, 100m

Patented

GB 2 367 048



Contents:



RescueHauler HURRICANE CYCLONE PULSAR Pulley Protective Sling Karabiner KARI Bag



# rescue systems

## are our speciality...

...rooted in a legacy that spans over 25 years, our story began with the development of innovative harnesses and rescue systems for the UK fire service.

We have continuously expanded and refined our range and now offer the most diverse range of specialist rescue systems anywhere.

Our bespoke systems are tailored to the unique needs of individual industry sectors – for horizontal or vertical rescue, evacuation, escape, lowering or lifting a casualty - we offer precisely the system you need.

heightec systems are supremely simple to use, giving rescuers complete control of high loads at all stages of the rescue operation.

Each system component plays a part in recovering the casualty with maximum efficiency and the highest possible margins of safety.

## fast, safe, dependable



View rescue  
equipment

### Activity

#### Lift & Lower

1. Rotor / Rotor MaxLift
2. MaxLift PowerPack
5. Hurricane
6. Vantage

#### Rescue-Up

1. Rotor MaxLift
2. MaxLift PowerPack

#### Tensioned Lines

1. Rotor MaxLift
3. Piranha Lanyard
2. Hurricane
4. Pulley

#### Casualty Care

7. Chrysalis Stretcher
9. Plana Spineboard
10. Plana Head Immobiliser
11. Work at Height First Aid

#### Stretcher Management

6. Vantage
8. Replacement Bridle
9. Plana Spineboard
12. Anchor Strop
13. Slings
14. Karabiners
15. Tagline

#### Anchors & Deviations

4. Pulley
6. Vantage
12. Anchor Strop
13. Slings
14. Karabiners

#### Edge Protection

16. Cascade

#### Kit Storage

17. ProSeal Storage

# ARK – Advanced Rescue Kit

total capability for any situation

The ARK advanced rescue kit is the most comprehensive self contained WTG rescue system on the market.

With system components designed to work effectively with one another, the ARK system can perform every kind of rescue technique in the WTG environment and is infinitely adaptable for unexpected situations when used by trained personnel.

The Rotor rescue device is at the core of ARK and either the manual or powered version can combine with other components to achieve complex tasks quickly and safely.



Code	Item	No.	Lift & Lower	Rescue-Up	Tensioned Lines	Casualty Care	Stretcher Management	Anchors & Deviations	Edge Protection	Kit Storage
D62	Rotor MaxLift	1	X	X	X					
UMD1	MaxLift PowerPack	2	X	X						
LA02T	Piranha	3			X					
P02	Pulley (x2)	4			X			X		
D431	Hurricane	5	X		X					
P10...	Vantage	6	X				X	X		
MS01	Chrysalis	7				X				
MSB01	Replacement Bridle	8					X			
UMS06	Plana Spineboard	9				X				
UMS07	Plana Head Immobiliser	10				X				
UMA1	W@H First Aid Kit	11				X				
A...	Anchor Strop (x2)	12					X	X		
S25N...P	Slings (x6)	13					X	X		
CKA5	Karabiner (x6)	14					X	X		
RC06	Tag Line	15					X			
MR75	Cascade Edge Protector	16							X	
YAS...	ProSeal storage	17								X

(images not to scale)



**RescuePack Reach suspended person rescue system** (see p.66)



Available with ProSeal storage system (see p. 71)



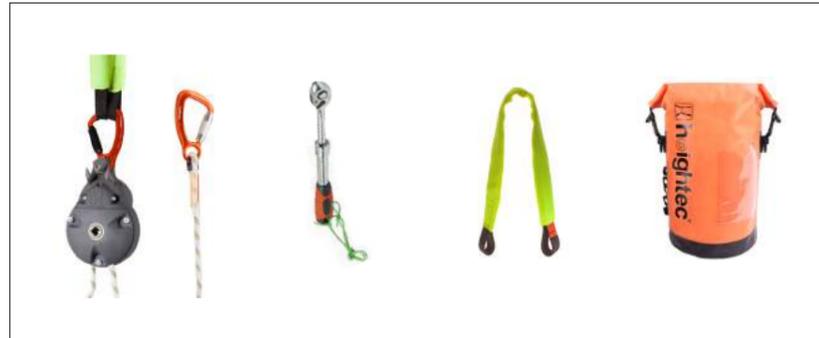
**TowerPack Pro tall structure rescue system** (see p.66)



Available with ProSeal storage system (see p. 71)



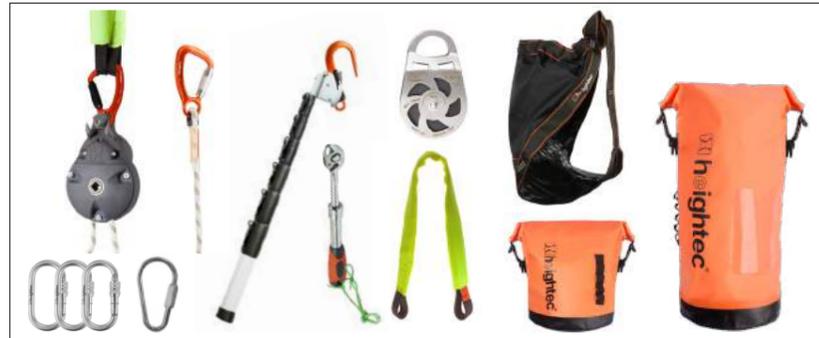
**Rotor Evaq system** (see p. 67)



Available with ProSeal storage system (see p. 71)



**RescuePack TC tower crane rescue system** (see p. 67)



Available with Rotor MaxLift (see p. 29) and/or ProSeal storage system (see p.71)

**Rotor™ D61**

Automatic rescue and evacuation device at the heart of the RescuePack system (see p. 28)



manual operation



manual operation

powered operation

**Rotor™ MaxLift D62**

Powered automatic rescue and evacuation device with enhanced lifting capability (see p. 29)

**ProSeal**  
Ultimate storage solution for mission critical equipment

**20**  
year  
lifespan

**RescuePack WTG rescue system** (see p. 68)



Available with Rotor MaxLift (see p. 29) and/or ProSeal Storage (see p.71)

**RescuePack Plus WTG rescue system** (see p.69)



Available with ProSeal storage system (see p. 71)

**MaxLift PowerPack** (see p.29)



MaxLift PowerPack optional add-on

**ProSeal Storage** (see p. 71)





**RescuePack Reach rescue system - WK31**

**Simplest rescue system on the market - recovers a suspended person from any situation by raising or lowering**

- Easy to operate Xtendr compact rescue reach pole extends for 3.5m to a casualty on an extended energy absorbing lanyard
- Modified gate profile on scaffold hook prevents snagging and ensures correct attachment to the casualty eliminating accidental release of casualty connector
- Hauling system including HURRICANE device delivers a mechanical advantage of 3:1 with automatic locking
- RescueHauler for use in rescue systems for life-lining, lowering, hauling and descending, with 200kg max. load

BSIF Innovation Award



Lengths: 25m, 50m  
**Available upgrade:**  
 ProSeal Storage (see p.71)

**TowerPack Pro tower rescue system - WK37**

**For evacuation, lowering or pick-off recovery of a casualty from tall structures**

- VANTAGE 5:1 Locking pulley for transferring a casualty onto a rescue system
- POWERLOCK is an advanced descender with secondary braking, variable friction and high load rating - two person
- Allows for fine control of descent speed
- Rope can be removed and re-threaded for multiple or repeat lowering operations
- Rescue shears allow disconnection of casualty's line without a need to off-weight

Lengths: 50m, 100m

**Available upgrade:**  
 ProSeal Storage (see p.71)



**Rotor Evaq - WK42**

**Basic system for rescue, escape and evacuation from height**

Controlled lowering and raising system for rescue and evacuation from height, with multiple evacuee capability.

- Multiple person escape using alternate rope ends
- Two person descent load (250kg)
- Works in any orientation
- Attach to user or anchor
- Lifting speed faster than wheeled devices

Lengths: 25m, 50m, 100m

**Available upgrade:**  
 ProSeal Storage (see p.71)



**RescuePack TC tower crane rescue system - WK39**

**A self-contained rescue system for rescue of a casualty from a tower crane cab, jib or ladder**

- Two person descent load (250kg)
- Attach to user or anchor
- Can create tension lines
- Lifting speed faster than wheeled devices
- Xtendr compact rescue reach pole extends up to 3.5m, allows immediate connection to harness
- Modified scaffold hook prevents accidental release of casualty (see p.66)
- DELTA casualty harness, simple to deploy and quick to fit (see p.76)

Lengths: 50m, 60m, 100m

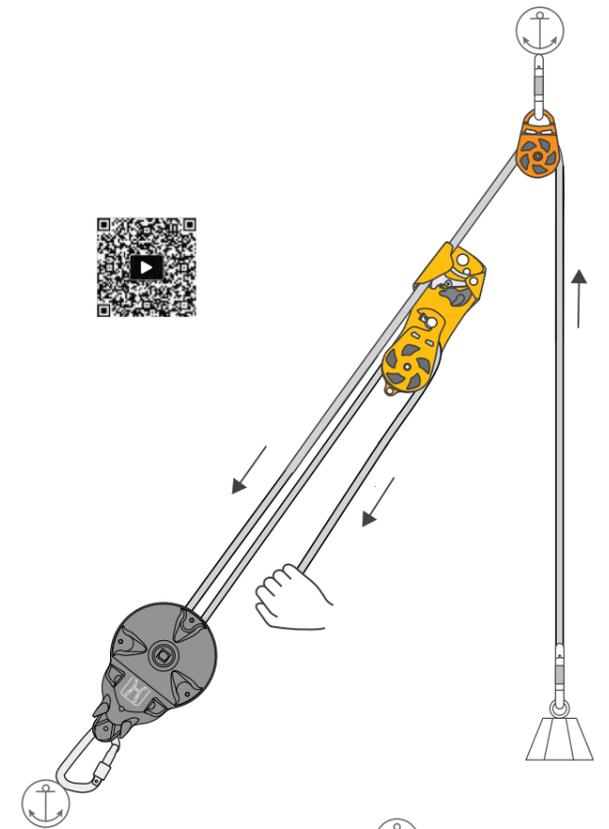
(see p.28 & 29)

- Available upgrades:**
- ROTOR MaxLift (see p.29)
  - ProSeal Storage (see p.71)





**NEW**



**RescuePack WTG rescue system - WK41**

**Comprehensive system for rescue, escape and evacuation from height**

- Multiple person escape using alternate rope ends
- Two person descent load (250kg)
- Descent distance 6300m for 100kg
- Works in any orientation
- Attach to user or anchor
- Can create tensioned lines
- Lifts speed faster than wheeled devices

Storage option: waterproof barrel / aluminium case

Lengths: 50m, 60m, 100m

**Available upgrades:**

- ROTOR MaxLift (see p.29)
- ProSeal storage system (see p.71)



**RescuePack Plus WTG rescue system - WK43**

**Comprehensive system for rescue, escape and evacuation from height**

- Multiple person escape using alternate rope ends
- Two person descent load (250kg)
- Descent distance 6300m for 100kg
- Works in any orientation
- Attach to user or anchor
- Can create tensioned lines
- Lifting speed faster than wheeled devices
- Hauling system including HURRICANE device delivers a mechanical advantage of 3:1 with automatic locking

Storage option: waterproof barrel / aluminium case

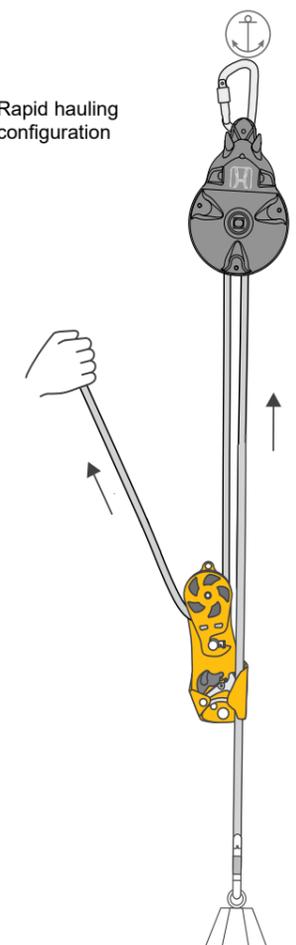
Lengths: 50m, 60m, 100m

**Available upgrade:**

- ProSeal storage system (see p.71)



Rapid hauling configuration





**NEW** ProSeal

**20**  
year  
lifespan

ultimate storage solution for mission critical equipment

Simple, tough storage method for equipment that needs robust protection during long-term storage and guarantees the quality and functionality of rescue and escape kits.

- Total protection
- Guaranteed functionality
- Up to 20 year lifespan\*
- Complete peace of mind

tough, reliable, cost-effective...

- Multiple protective layers
- Extremely durable barrier bag
- Simple periodic examination

**Inspection procedure as simple as:**

- Open outer container
- Check vacuum integrity
- Record
- Reseal

No specialist skills or knowledge required.

All inspection materials included.

**Environmental impact:**

- Products last longer
- Less resources used
- Less downtime
- Less transport
- Natural desiccant, environmentally benign



How to inspect

Barrel  
totally waterproof



KARI bag  
water resistant



Case  
aluminium box



\*lifespan varies according to system content





# casualty management

## be prepared...

The speed of response in an emergency can be critical and could make the difference between life and death.

Our casualty management range gives you the tools to quickly and effectively access, treat and transport your casualty in any work at height situation.

Our new work at height first aid kit offers bespoke contents for critical injury treatment in remote work at height locations. Configured for ease of product selection with a separate internal grab bag for most common needs.

Range includes:

- First aid packs
- Stretchers
- Spine board



View casualty  
management  
equipment

**Generic stretcher features for CHRYSALIS, POD, DORSA:**

- Configured for rapid deployment
- Integral casualty fall arrest harness
  - Tested to meet fall arrest functional requirements of EN361
  - Harness tested with 4m fall with test mass of 140kg
- Multiple retaining straps aligned for rapid fastening
- Configurable fixed lifting bridle
- Integrated head restraint
- Supplied in KARI transport bag



**DORSA - MS04**

**3/4 casualty roll stretcher for horizontal or vertical lifting & lowering**

Lightweight drag stretcher for locations where space / manoeuvrability is critical

- Smooth low friction base, slides and drags easily
- Lightweight durable construction
- Spine board compatible

**Optional ProSeal upgrade (see p.71)**

**TELSON - MS05**

**3/4 rigid casualty stretcher for horizontal or vertical lifting & lowering**

High strength drag stretcher ideal for use in restricted areas / confined spaces. Ideal for wind turbine rescue

- High strength stainless steel construction
- Angled profile at base, sides and head aids movement over obstacles
- Can be dragged horizontally or life-lined down slopes / steps
- Supports casualty in reclined / upright sitting position
- Integral casualty harness uses quick connect buckles for fast fit
- Multiple profiled hand slots

**POD - MS02**

**Full body casualty roll stretcher for horizontal or vertical lifting & lowering**

Versatile stretcher, ideally suited for confined space rescues, with unique integrated casualty harness

- Smooth low friction base, slides and drags easily
- Lightweight durable construction
- Spine board compatible

**Optional ProSeal upgrade (see p.71)**



**CHRYSALIS - MS01**

**Full body casualty roll stretcher for horizontal or vertical lifting & lowering**

Versatile general purpose stretcher with unique integrated casualty harness.

Unrivalled combination of fit, comfort and strength

- Extremely simple and intuitive to use
- High visibility, abrasion resistant construction
- Removable interior stiffening sheet
- Quick buckle system for rapid, easy deployment
- Spine board compatible



BSIF Innovation Award



**Optional ProSeal upgrade (see p.71)**

CODE	DESCRIPTION	CONFORMITY	RATING (kg)	DIMENSIONS		WEIGHT (kg)
				FULL (cm)	ROLLED (cm)	
MS01	CHRYSALIS	MDD 93/42/EEC Dir 2007/47/EC (Class 1 Medical Device)	260kg	205(L)x75(W)	80(L)x25(W)x25(H)	8.65
MS02	POD			220(L)x90(W)	80(L)x23(W)x23(H)	9.5
MS04	DORSA		250kg	145(L)x90(W)	80(L)x23(W)x23(H)	6.3
MS05	TELSON			120(L)x41(W)x28(H)	-	9.6



**Head Immobiliser - UMS07**

**For additional protection or head immobilisation**

Compatible with PLANA spineboard.

- Universal attachment base
- Two durable head straps
- Closed-cell foam head blocks
- Head and chin straps is designed to conform to the patients forehead
- Large ear holes enable monitoring of the patients ear canal
- Minimal interference with X-ray, MRI or CT scan procedures
- Easy to clean

**PLANA spine board - UMS06**

**For additional stretcher rigidity and protection or casualty immobilisation**

Lightweight board, compatible with CHRYSALIS, POD & DORSA stretchers

- Fits inside or on top of stretcher
- Multiple moulded hand slots for good grip
- Compatible with most head immobilisation devices
- Inner slots allow rapid immobilisation of small adults (HOW)
- Excellent for water rescue, concave shape minimises lateral movement
- Hazmat and pathogen impermeable

Rated load: 159kg  
Length: 1.85m

**DELTA casualty harness - H43**

**Ultra compact evacuation harness for lowering and lifting a casualty**

- Ultra lightweight construction to transport and stow
- Elasticated waist for improved comfort and security
- Keeps harness in correct position on casualty
- Durable materials provide long service life
- Quick and easy to fit
- Universal sizing

NB: Not designed or certified to arrest falls



**Work at Height First Aid Pack - UMA1**

- Includes a comprehensive selection of first aid supplies
- Range of specialist dressings and treatments for burns and significant bleeds
- Contents organised for easy selection and retrieval
- Rucksack style carry bag with harness attachment loops
- Secure internal sections prevent content loss when opened at height
- Internal grab & go bag includes assortment of supplies for basic first aid
- Bag capacity allows expansion of kit if needed

British standard compliant - BS85999-1:2019



Scan for more details



**Work at Height Critical Injury Pack - UMA2**

- Includes specialist dressings and tourniquet for treatment of catastrophic bleeds
- Can complement existing work/personal first aid kit
- Contents organised for easy selection and retrieval
- Lightweight and portable, can be clipped to harness
- Internal sections prevent content loss when opened at height
- Durable nylon carry bag

British standard compliant - BS85999-1:2019

A critical injury pack is part of the recommended first aid provision for all high risk environments under MATS First Aid For Working At Height Guidance (GN-009)



Scan for more details



**heightec offers a comprehensive range of support services**

**Consultancy for Work and Rescue at Height**

- Development and review of emergency planning, policy and procedures
- Onsite height safety and rescue assessments
- Height safety audits and inspections
- Industry-specific advice and bespoke training

**Inspection & Servicing**

To benefit our account holding customers, we offer inspection services for individual items of PPE, work kits or rescue systems.



**Traceability & ID Marking**

During the manufacturing stage we apply unique ID's to metalwork such as rope devices or on textile equipment such as harnesses. We can also individually ID our equipment in accordance with a customer's own ID scheme. This allows seamless integration of new equipment into a pre-existing system for ease of equipment management.

**Bespoke branding**

Corporate branding or other relevant markings can be etched onto large orders of helmets or heat transferred onto large bag orders for example, please call for details.

**Trademarks**

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**Excellence • Integrity • Innovation**

Designing and manufacturing innovative products for specialist height safety and rescue since 1997





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with respect to gravity...™

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