

KAYSA SAFETY

KAYASAFETY.COM

2015-2016/ENG

WORKING AT HEIGHT
AND RESCUE
EQUIPMENT







MEET MUSA

It is an ordinary day for Musa at 26 meters above the ground. He is a fully certified Occupational Safety Training team leader. He has been a part of the Kaya Safety team for eight years and has trained over 5000 people during this time.

Every day Musa spends a good deal of his time at heights that would make most people dizzy. And he does not do this alone... Like all of us, he carries his loved ones on his mind, in his heart, and often on his shoulders. His 2-year-old son, Kuzey, and his wife, Duygu, are the main reason why he needs to go home every day, without a scratch.

Musa has a passion for heights and is an experienced mountaineer. The 7010 meter high summit of Mount Khan Tengri in Kyrgyzstan is one of his favorite conquests. He wishes that Kuzey shares his passion when he grows up. Musa has already planned their first expedition as father and son: Mount Kaçkar in northern Turkey. This is why we make sure that Musa goes home every day, without a scratch...



KAYA SAFETY

Kaya safety was established in 1996 to design systems and equipment for work at height activities to be performed properly and safely.

Having the most advanced facility in its field, Kaya Safety designs, develops and manufactures fall arrest systems, rescue and evacuation equipment and lifting equipment in Turkey for institutions and organizations operating in sectors such as Defense, Firefighting, Oil & Gas, Construction and Telecommunication.

In addition to our knowledge and experience gained from working in different fields for over 18 years, we are aware of the issue that employees and managers need to take the necessary training for correct use of safety equipment and systems. We provide sector based trainings in our training facility which is one of the largest working at height simulation centers in Europe. We also support our users with technical documents and product videos for equipment to be used correctly and efficiently.

KAYA ROPES

Kaya Ropes manufactures all kinds of ropes for every field, where life safety and performance is aimed, that are made of from various types of raw materials, at different construction with internationally recognized certifications.

Kaya Ropes has become a leader of innovation in Turkey and one of well-known and requested brands in the world with its technical and technological ropes.

Equipped with most developed machineries, Kaya Ropes manufactures ropes for Sailing, Yachting, Military, Off-Road, Playground, Mountaineering, Rescue, Civil Defense, Safety, Fishing, Energy, Mining and so on.



KAYA TRAINING KAYA CONSULTING

Combining with 30 years of knowledge of Kaya Group in Occupational Health and Safety; Kaya Training and Kaya Consulting provide solutions in Strategic Management Consulting, Occupational Health & Safety and Joint Health Security Unit Services since 2001 to a large number of multinational companies and projects in almost all cities in Turkey as well as in Iraq, Gabon, Nigeria, Russia, Kazakhstan, Turkmenistan, Libya, Algeria, Albania, Kosovo, Tunisia, Saudi Arabia, Syria, Ukraine and Morocco and plays an important role in creating Occupational Health and Safety culture with its over 40 professional employees who have international experience.

Kaya Training and Kaya Consulting have 1st class training facilities and infrastructure where various industries can be simulated. The company also maintains its leadership in taking precautions in occupational health and safety and rescue activities and providing training, inspection and supervision services with aim of creating safe working environment. In addition to this, company contributes raising awareness of occupational health and safety issues in employees with its professional internal trainings.

Kaya Training and Kaya Consulting is also a partner of many well-known international organizations in Turkey such as IOSH, (Institution of Occupational Safety & Health), NSC (National Safety Council) and IRATA (Industrial Rope Access Trade Association) and part from this company is able to provide their trainings with its own trainers.

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PRINCIPLES OF WORKING AT HEIGHT

TRAINING:

Working at height is one of the biggest causes of workplace fatalities and major injuries. Employers must ensure that a sufficient risk assessment is carried out so that all risks of working at height are effectively identified, controlled and managed. Every employer must also ensure that employees are appropriately trained under careful and competent supervision to ensure that they can carry out their work safely.

Please contact **KAYA TRAINING** division of our company for more information about working at height training programs.

E-mail: egitim@kayatraining.com

GENERAL INFORMATION ABOUT FALL FROM HEIGHT

There are independent factors influencing the fall;

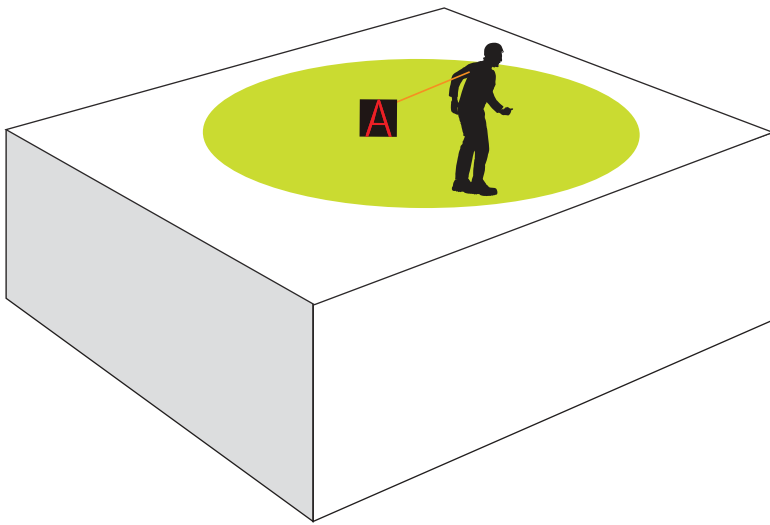
- **The weight of the user including his equipment:** The greater the weight means more energy to be dissipated during the fall.
- **The length of the fall:** The longer the fall, the more energy to be dissipated during the fall. The risk of hitting an obstacle is also greater.
- **The position in relation to the anchor:** When the worker moves above his anchor, the severity of the potential fall increases. The fall factor concept is sometimes used to describe the position of the worker in relation to the anchor and the severity of the fall. This concept applies to climbing, restraint, or work positioning situations, when a dynamic rope lanyard is used.

PROMPT RESCUE

When a worker falls and is suspended in a personal fall-arrest system, prompt rescue must be provided because of the following reasons;

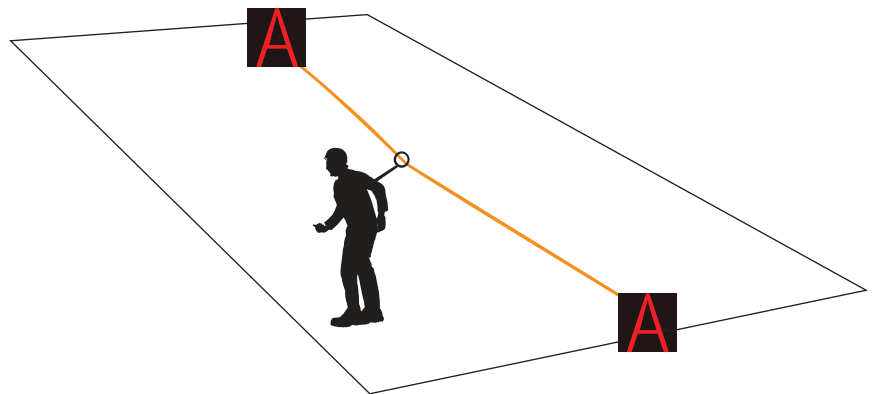
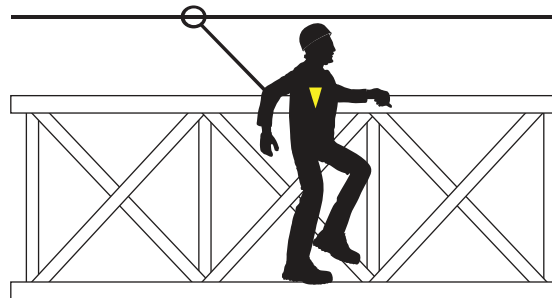
- The worker may have suffered injuries during the fall and may need medical attention
- When workers are suspended in their safety harnesses for long periods, they may suffer from blood pooling in the lower body. This can lead to suspension trauma
- Suspended workers may panic if they are not rescued quickly
- The event that led to the fall may create additional risks that need to be addressed

Rescue operation must be performed by trained and competent person. Specialized equipment needed to be used to perform a safe and successful rescue.



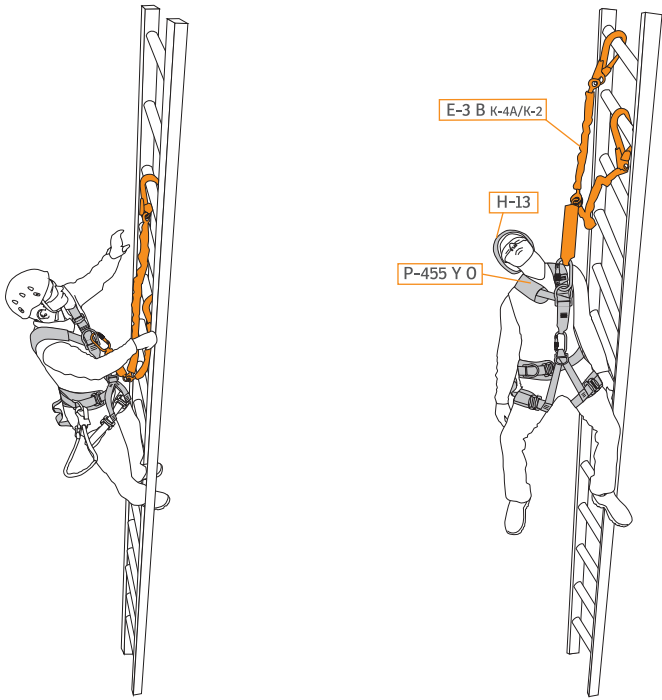
1. RESTRAINT SYSTEM

Restraint System allows workers to perform their task without the possibility of losing contact with the walking / working surface.

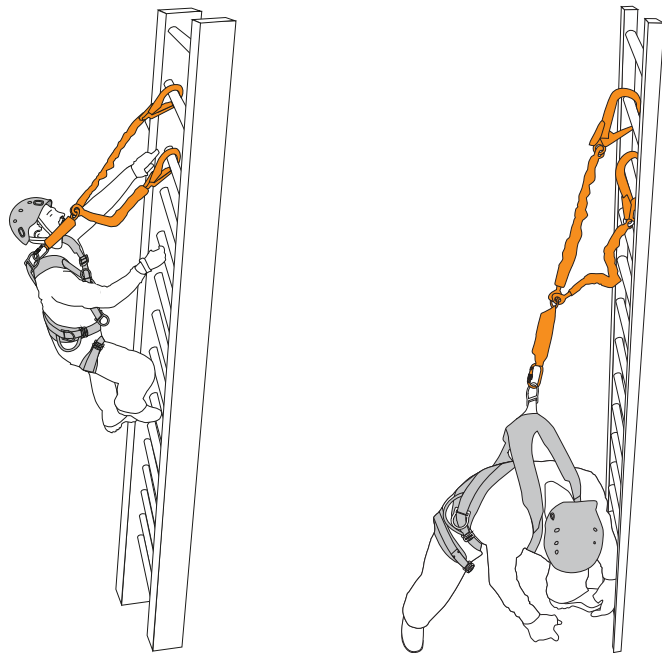


2. FALL ARREST SYSTEM

(A) Fall Arrest System is designed to stop the free fall of a user and limit the maximum arresting forces imposed on the user to 6 kN or less. A fall arrest system provides maximum freedom of movement for workers to conduct their duties by connecting to the (A) safe attachment point.



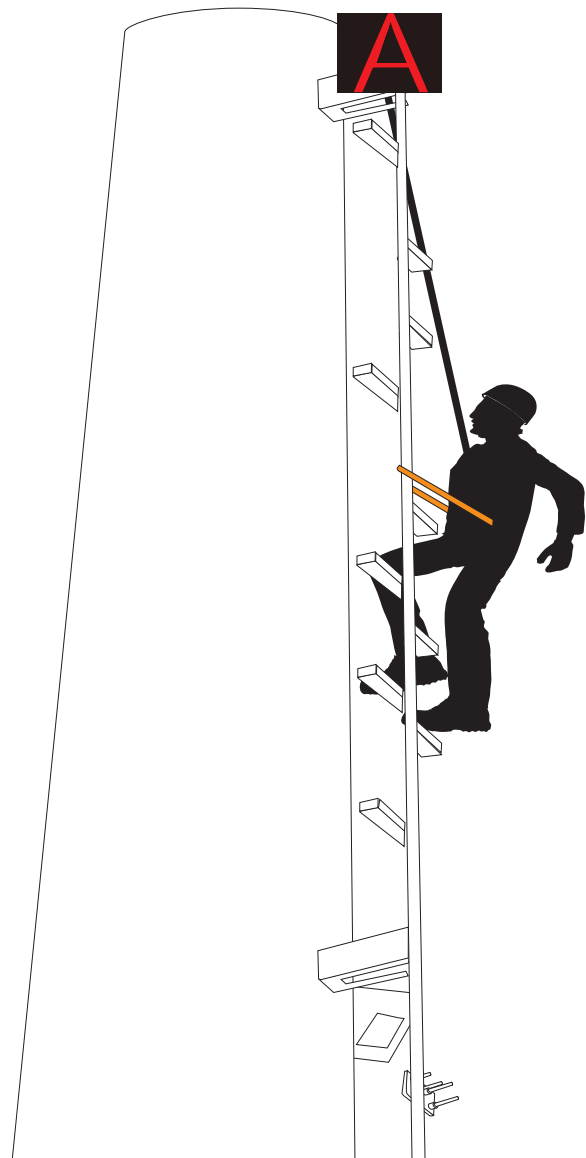
CONNECTION TO THE HARNESS VIA CHEST ANCHORAGE POINT (A) OF SAFETY HARNESS



CONNECTION TO THE HARNESS VIA DORSAL ANCHORAGE POINT (A) OF SAFETY HARNESS

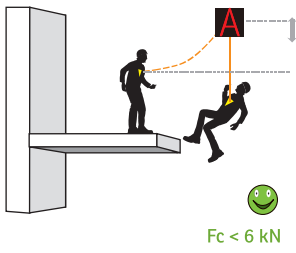
3. CONNECTING FALL ARREST EQUIPMENT TO FULL BODY HARNESS

Connection to the harness must only be via the appropriate connection points (dorsal attachment point or the chest connection) that will provide the best protection in the situation it is being used. Consideration should be given to the potential fall distance, potential impact with the structure and body position after a fall.

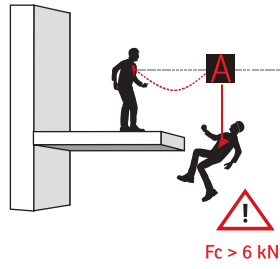


4. WORK POSITIONING

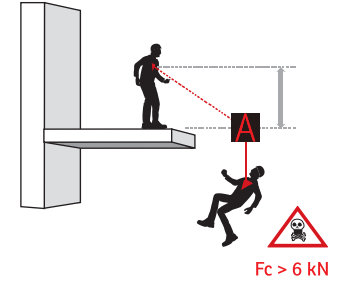
A work positioning system is used to hold a worker in place while allowing a hands-free work environment at elevated heights. A work positioning system must include a secondary system for fall arrest in the event the work positioning system should fail.



FALL FACTOR 0,5
USE OF LANYARD



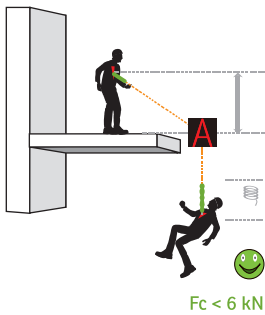
FALL FACTOR 1



FALL FACTOR 2

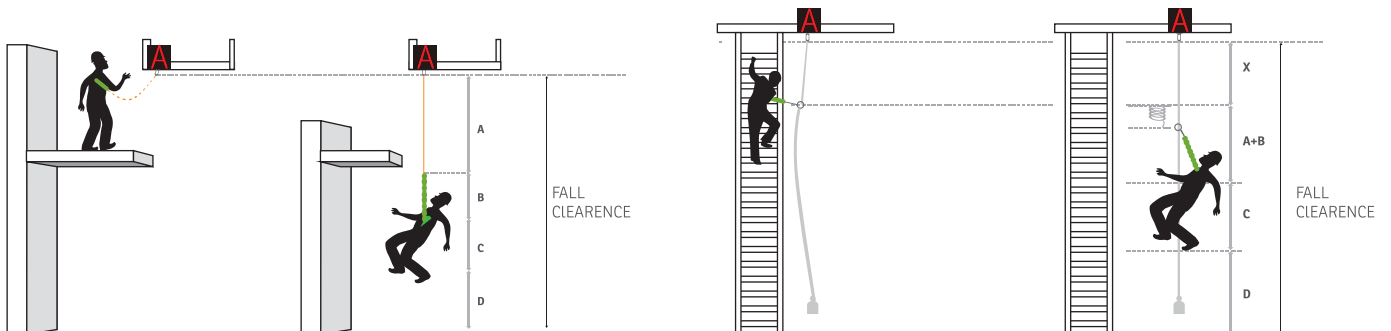
5. LIMITING THE IMPACT FORCE

- Fall arrest system must limit the maximum impact force during the arrest of a fall to 6 kN.
- Fall arrest system is generally used with a shock absorber. Energy absorber limits the fall arrest force in a fall situation by tearing specific seams.
- Fall arrest system without the use of a shock absorber is not recommended.



USE OF LANYARD WITH SHOCK ABSORBER

- Shock absorber limits the fall arrest force by tearing specific seams even if the fall factor 2 is occurred.

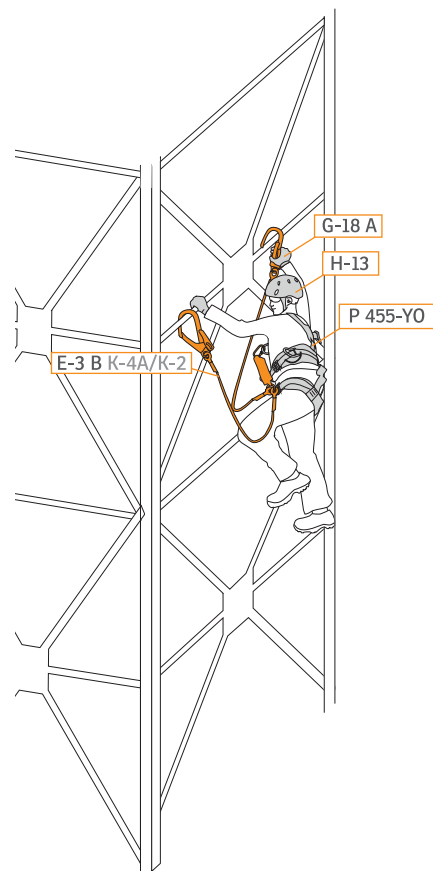
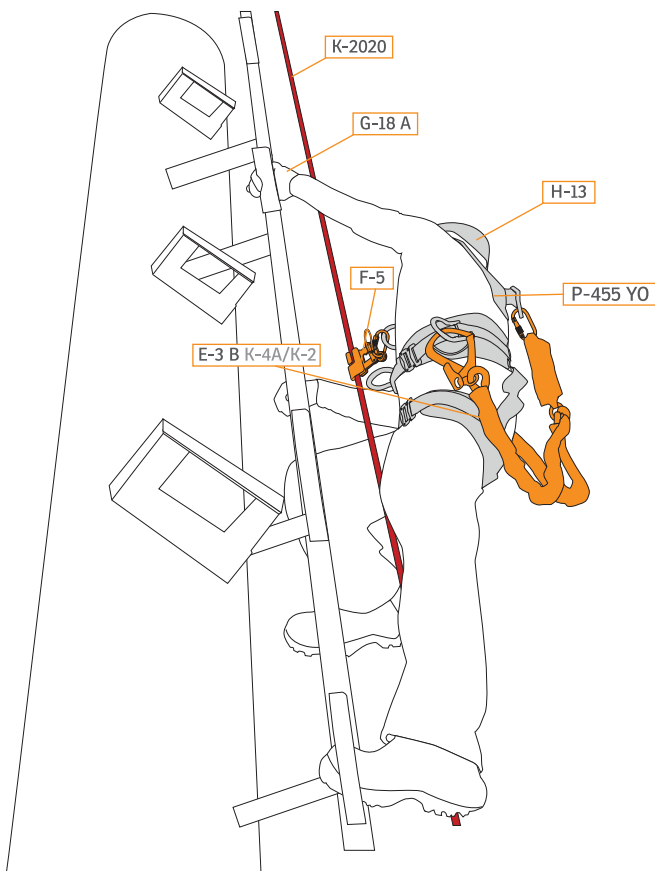


6. FALL CLEARANCE

Fall clearance is the height at which a worker must attach to an anchorage to avoid contact with a lower level. In order to calculate required fall clearance distance the following measurements must be kept in mind.

- A - Length of Fall Arrest System (Lanyard)
- B - Length of the Lanyard after a fall
- C - Height of Suspended Worker
- D - Safety Factor
- X - Distance of Fall Arrest System to Anchorage Point before fall





1.ASCENDING WITH VERTICAL LIFELINE

Monopole or Lattice towers are widely used in telecommunication sector. The safest way to climb up and down these towers is to use permanent vertical lifeline system installed on ladder (if such ladder exist).

User is connected to a vertical lifeline by a wire rope grab which is attached to the (A) chest attachment point of full body harness. When the user moves (up or down), it slides along the life line. In the event of a fall, the device stops the fall instantly on the cable.

2.ASCENDING WITH DOUBLE LEGGED SHOCK ABSORBING LANYARD

If there is no vertical lifeline fixed on tower then user uses the double-legged shock absorbing lanyard to move around the tower whilst being connected at all times. It is recommended to attach double-legged shock absorbing lanyard to the (A) chest attachment point of full body harness.



K-2020



F-5



H-13



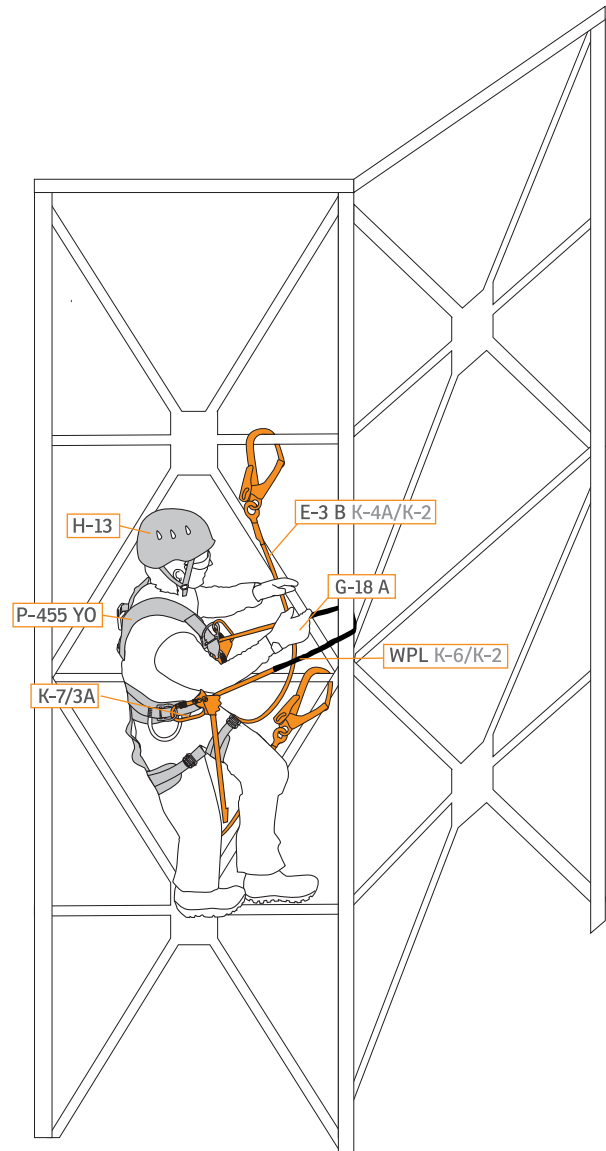
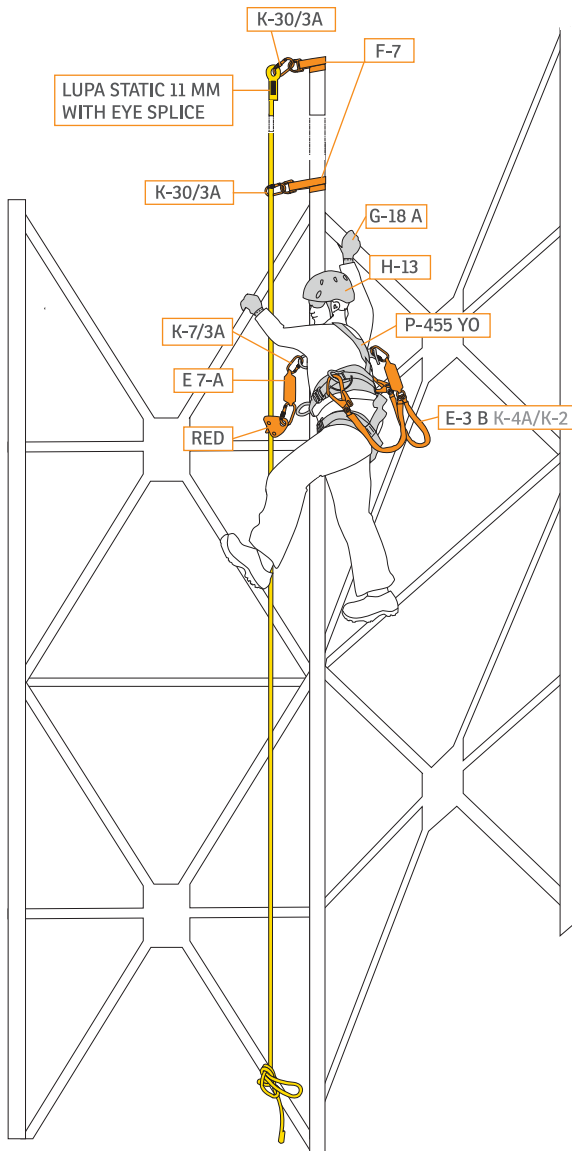
P-455 YO



E-3 B K-4A/K-2



G-18 A



3. CREATING VERTICAL LIFELINE

If there is no vertical lifeline fixed on tower, the first user who climbs up tower with a double-legged shock absorbing lanyard creates mobile vertical lifeline on tower using rope. The other users climb up the tower using this mobile vertical lifeline by help of appropriate rope grab.

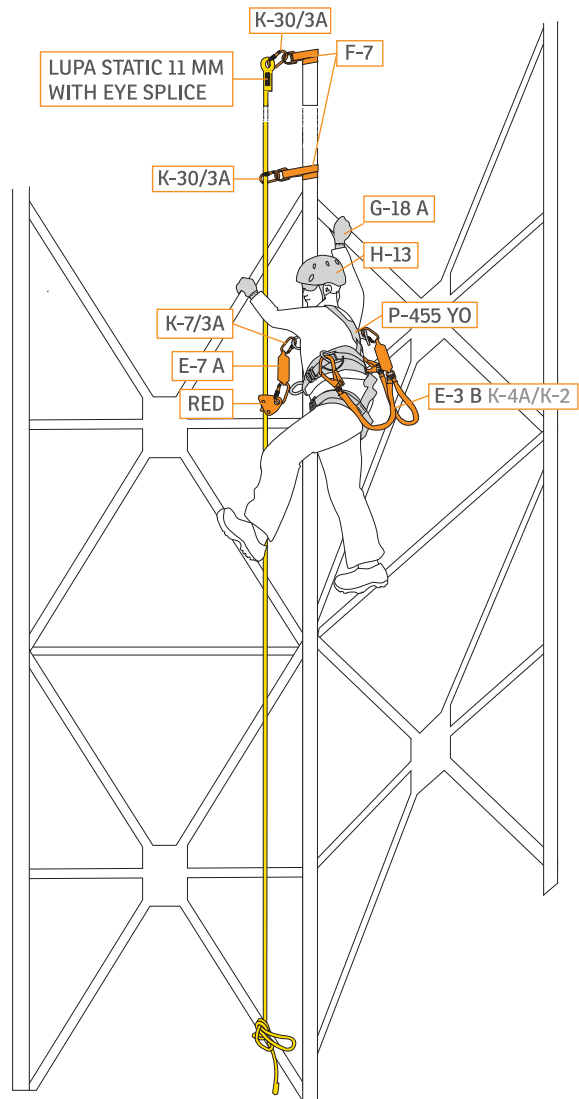
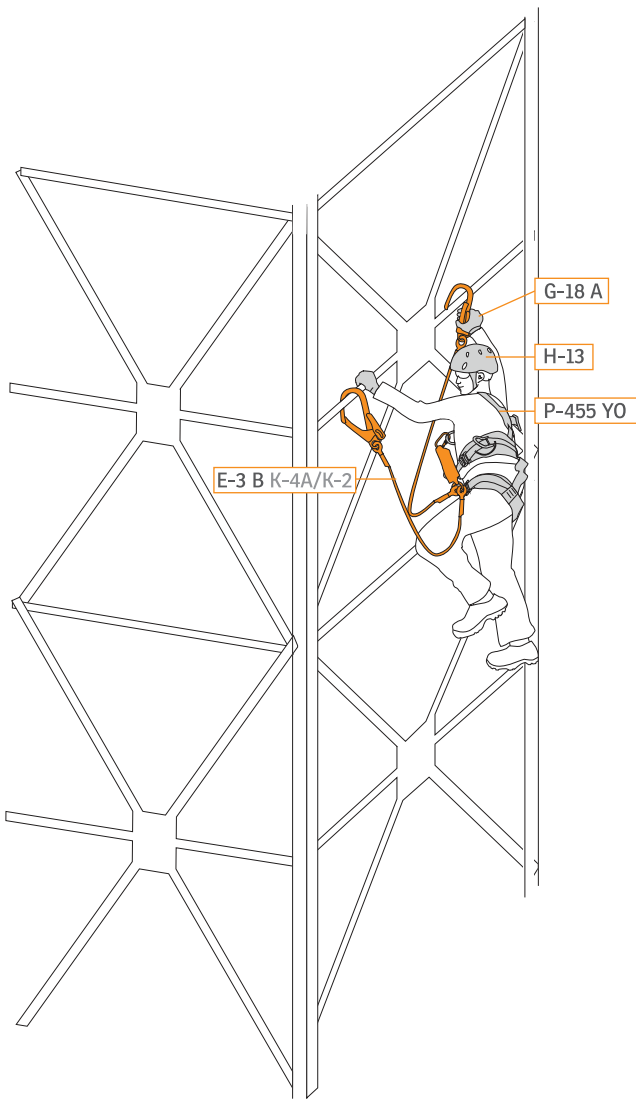
4. WORK POSITIONING WITH ADJUSTABLE LANYARD

Adjustable lanyards are designed to be used as part of a work positioning system and enable users to work at height hands-free position. The lanyard is fitted around a supporting structure and then connected to the side D-rings on the operator's harness.









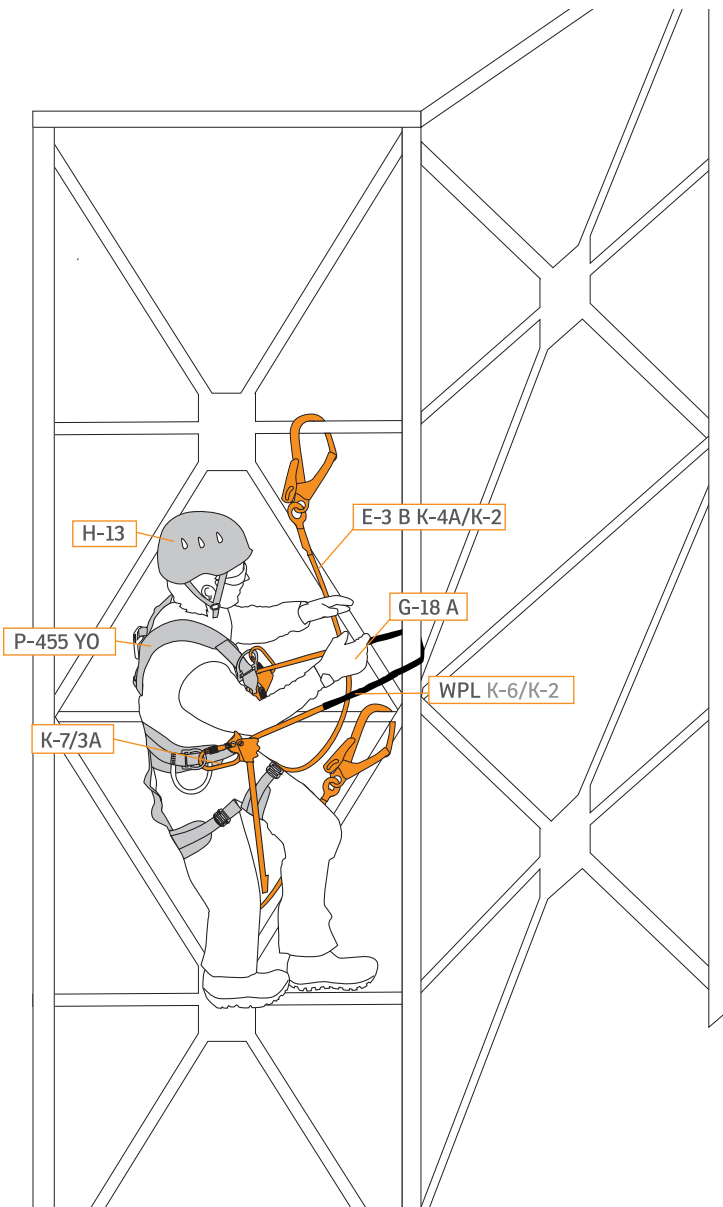
1.ASCENDING WITH DOUBLE-LEGGED SHOCK ABSORBING LANYARD

If there is no vertical lifeline fixed on energy towers then user uses the double-legged shock absorbing lanyard to move around the tower whilst being connected at all times. It is recommended to attach double-legged shock absorbing lanyard to the (A) chest attachment point of full body harness. Connection from chest anchorage point prevents a falling worker hitting from surface facing toward user.

2.CREATING VERTICAL LIFELINE WITH ROPE

If there is no vertical lifeline fixed on energy towers, the first user who climbs up tower with a double-legged shock absorbing lanyard creates mobile vertical lifeline on tower using rope. The other users climb up the tower using this mobile vertical lifeline by help of appropriate rope grab.





3-WORK POSITIONING WITH ADJUSTABLE LANYARD

Double-legged shock absorbing lanyard protects the user in a potential fall situation and arrest the fall when working on energy towers. Adjustable lanyards are designed to be used as part of a work positioning system and allow users to work at these towers hands-free position. The lanyard is fitted around a supporting structure and then connected to the side D-rings on the operator's harness.



H-13



P-455 YO



E-3 B K-4A/K-2



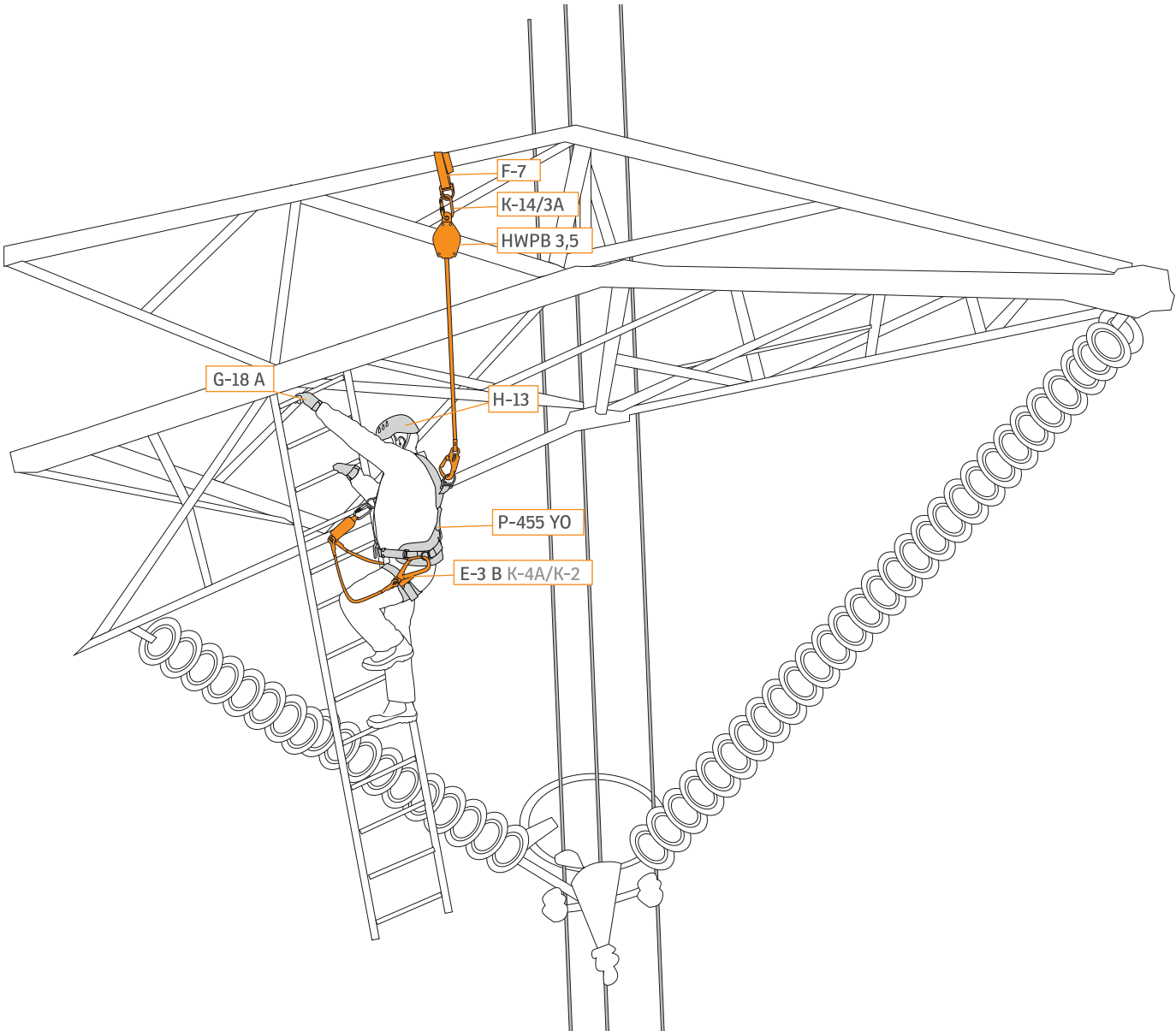
G-18 A



WPL K-6



K-7/3A



4.WORKING WITH RETRACTABLE FALL ARRESTER

Use ladder to reach electrical insulators when working on electricity power lines. Retractable Fall Arrester Device should be used when moving up and down on ladders.



H-13



P-455 Y0



E-3 B K-4A/K-2



F-7



K-14/3A



HWPB 5,5



G-18 A



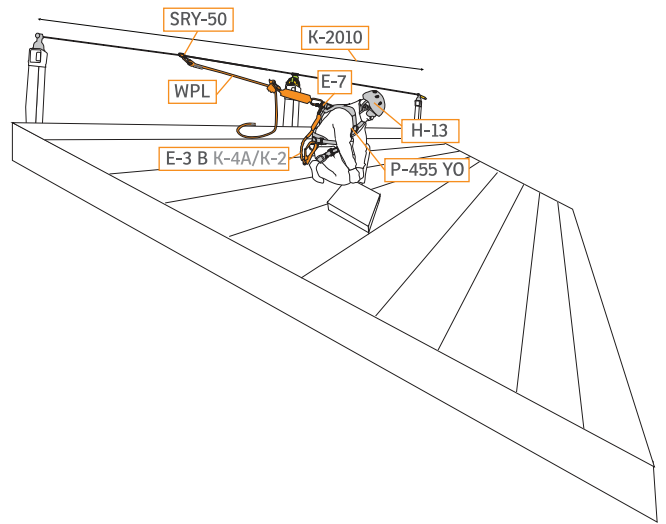
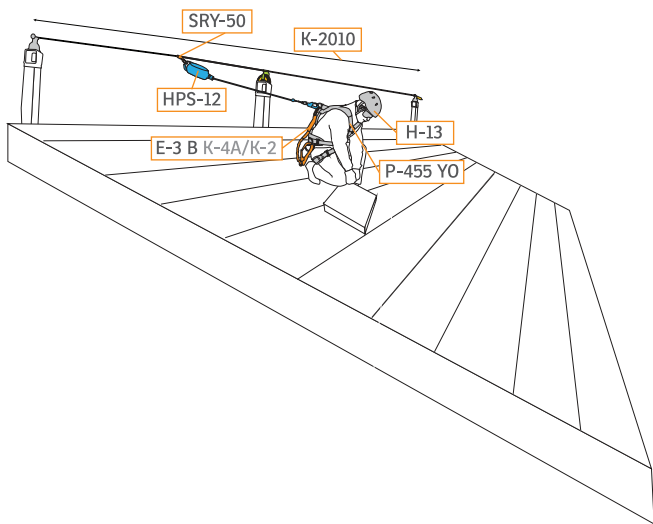
1. WORKING ON THE ROOF WITH FIXED HORIZONTAL LIFELINE

All work on roofs is highly dangerous because it involves work at height. Fall from a roof inevitably involves at least a serious injury.

Falls occur;

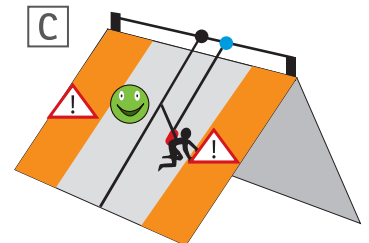
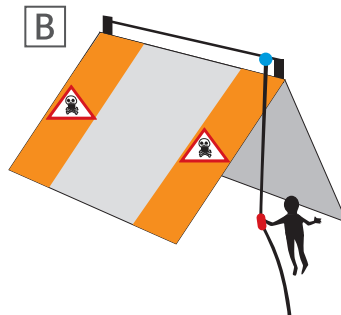
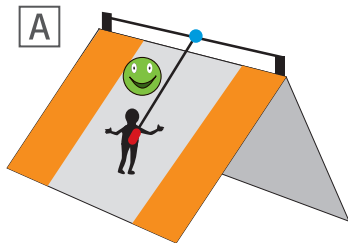
- from the edges of roofs
- through gaps or holes in roofs; and
- through fragile roof materials and roof lights

Horizontal Lifeline System provides fall protection and safe access on all areas of the roof for workers. System offers workers continuous hands free movement and navigates corners and building contours, thereby providing maximum design and integration flexibility.



1.1. RETRACTABLE FALL ARRESTERS LIMITS FREE-FALL DISTANCE, DECELERATION DISTANCE AND FALL ARREST FORCES WHILE ALLOWING USER FREEDOM OF MOVEMENT

1.2. WPL -WORK POSITIONING LANYARDS ARE IDEAL FOR FALL ARREST AND RESTRAINT WHILE WORKING ON THE ROOF USING THE LIFELINE



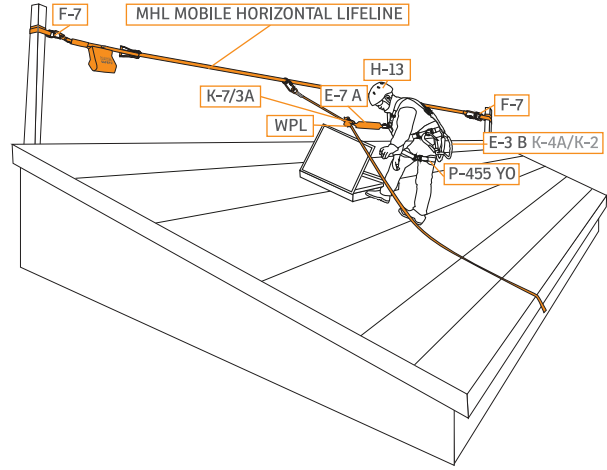
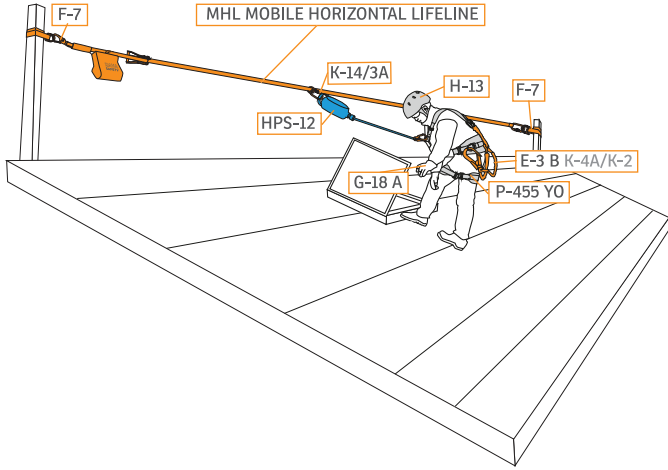
Appropriate Anchorage Point;

- A)** If working far away from the edges of roofs retractable fall arrester device or WPL is recommended to be used.
- B)** Connecting fall arrester device to an anchorage point below the user's head (B) may result in fatal accidents in the event of a fall. This situation would also increase the risk of hitting obstructions due to pendulum effect.
- C)** If working close to the edges of roofs in addition to the retractable fall arrester device, WPL is recommended to be used.



2. WORKING ON THE ROOF WITH MOBILE HORIZONTAL LIFELINE

If there is no permanent lifeline system on the roof then mobile lifeline system may be installed for safe work to be performed. This system must be installed by competent person who has the necessary technical skills and training.

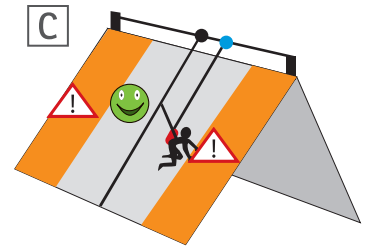
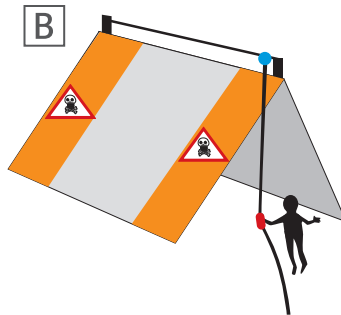
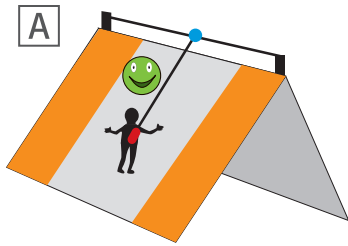


2.1. WORKING ON MOBILE HORIZONTAL LIFELINE WITH WPL WORK RESTRAINING LANYARD

User may connect himself to the Mobile Horizontal Lifeline via WPL Work Restraining Lanyard to perform his work safely.

2.2. WORKING ON MOBILE HORIZONTAL LIFELINE WITH RETRACTABLE FALL ARRESTER DEVICE

User may connect himself to the Mobile Horizontal Lifeline via Retractable Fall Arrester Device to perform his work safely.



Appropriate Anchorage Point

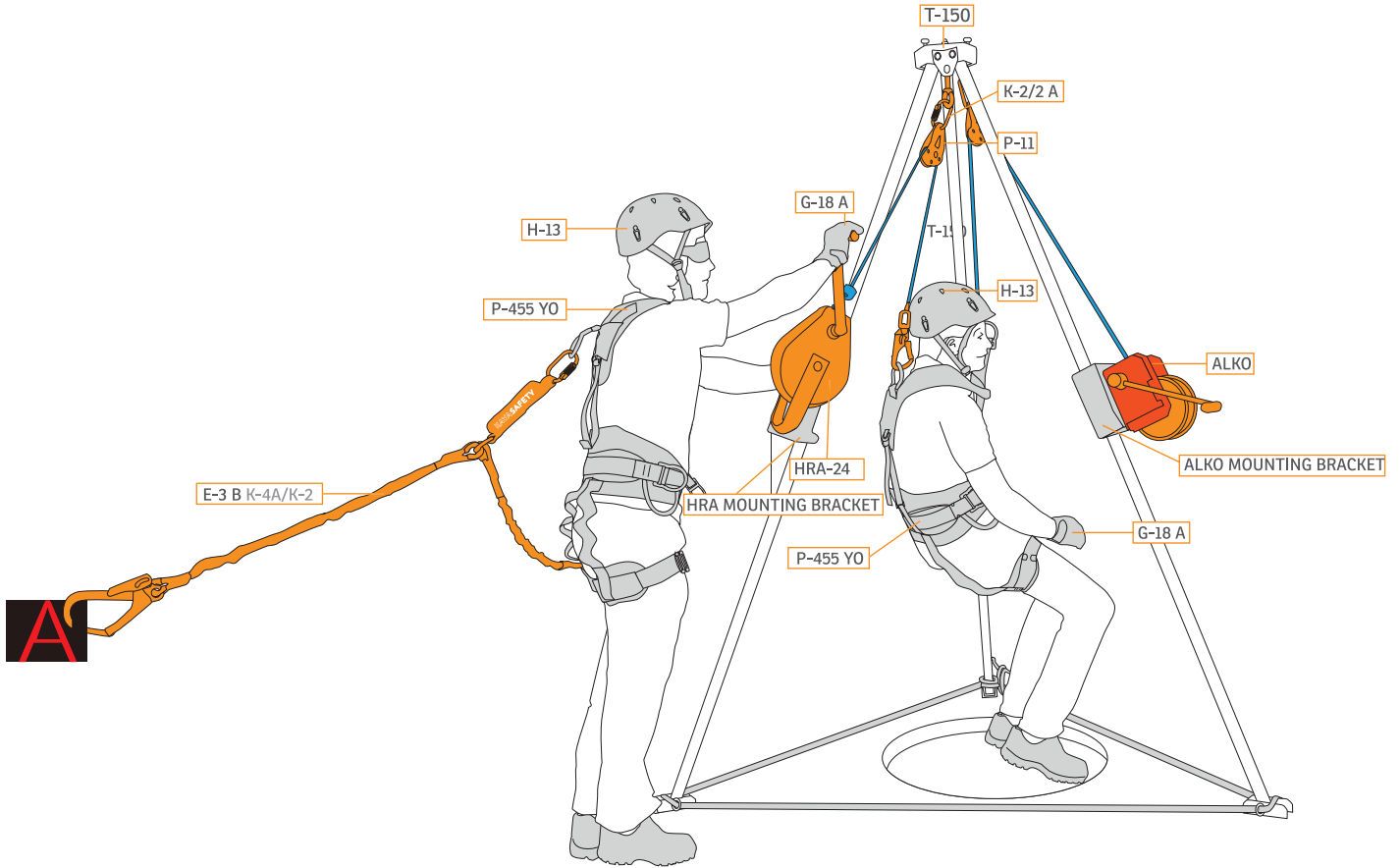
- A) If working far away from the edges of roofs retractable fall arrester device or WPL is recommended to be used.
- B) Connecting fall arrester device to an anchorage point below the user's head (B) may result in fatal accidents in the event of a fall. This situation would also increase the risk of hitting obstructions due to pendulum effect.
- C) If working close to the edges of roofs in addition to the retractable fall arrester device, WPL is recommended to be used.





CONFINED SPACES

Many workplaces contain areas that are considered "confined spaces" because while they are not necessarily designed for people, they are large enough for workers to enter and perform certain jobs. A confined space also has limited or restricted means for entry or exit and is not designed for continuous occupancy.

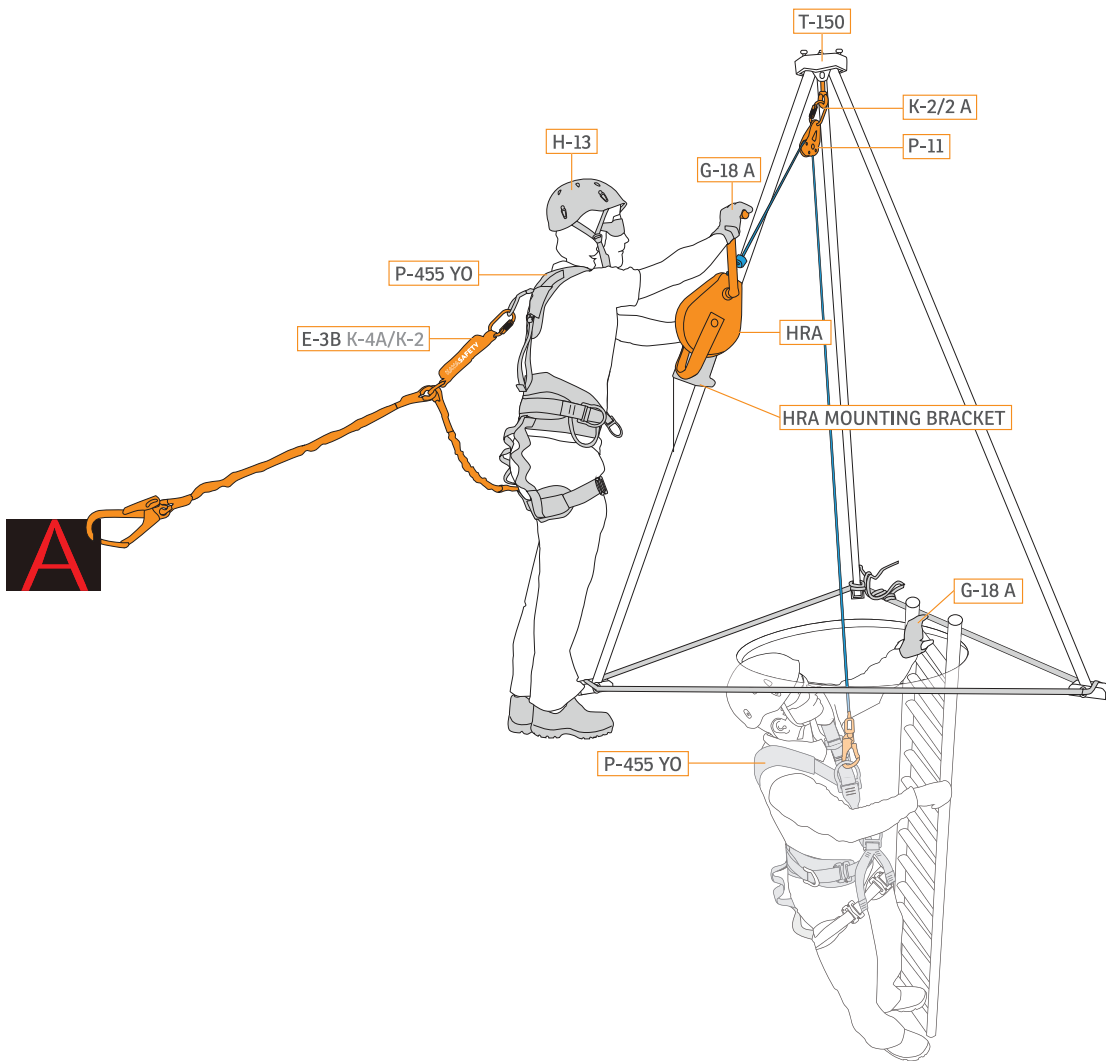


1. WORKING IN CONFINED SPACE WITH TRIPOD, HRA FALL ARRESTER BLOCK WITH RECOVERY MECHANISM AND ALKO HAND WINCH

One of the best methods of working in confined spaces safer and more efficient is to use a Tripod and Fall Arrester Block with Recovery Mechanism.

Kaya Safety aluminum tripod is lightweight and portable, easily set-up by one worker and can be transported from one location to another just as easy with the included bag. Fall Arrester Block is used in conjunction with aluminum tripods to protect the user when ascending and descending a vertical shaft. Recovery Mechanism allows the device to be used to lift or lower a casualty post fall, or if they have become incapacitated in a confined space. HRA is available in length of 9-42 mt. Manually operated ALKO Hand Winch may also be used if secondary safety is needed.





2. WORKING IN CONFINED SPACE WITH TRIPOD AND HRA RETRACTABLE FALL ARRESTER BLOCK WITH RECOVERY MECHANISM

If there is a ladder in confined space the best way to work in there is to use a tripod with a Retractable Fall Arrester Block with Recovery Mechanism.





AASS-1



AASS-2



AASS-3



AASS-4



AASS-M



AASS-MW

4. WORKING IN CONFINED SPACE WITH CANTILEVER ARM AND HRA RESCUE DEVICE

Portable and permanent cantilever arms are essential part of a confined space access or rescue plan and provide a fixed anchorage point for work winches or rescue systems for entering confined spaces. Portable design allows for easy transport and storage. Adjustable legs enable them to fit most confined space entry.

Cantilever Arms comes with HRA Fall Arrester Block with Recovery Mechanism or / and ALKO rescue winch to lower or raise victim to safe location.



GROUND SLEEVE



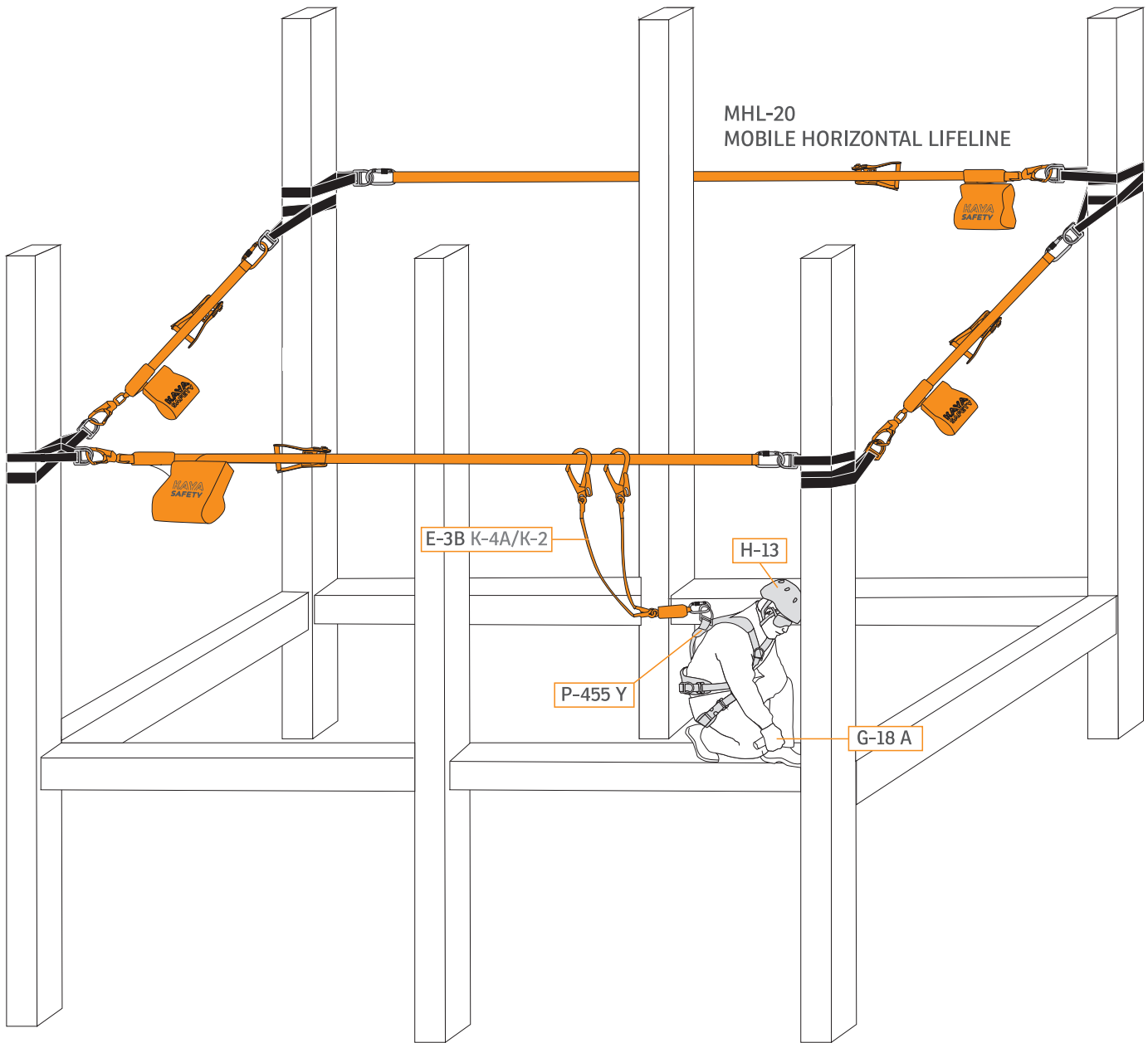
WALL SLEEVE



LOWER GROUND SLEEVE



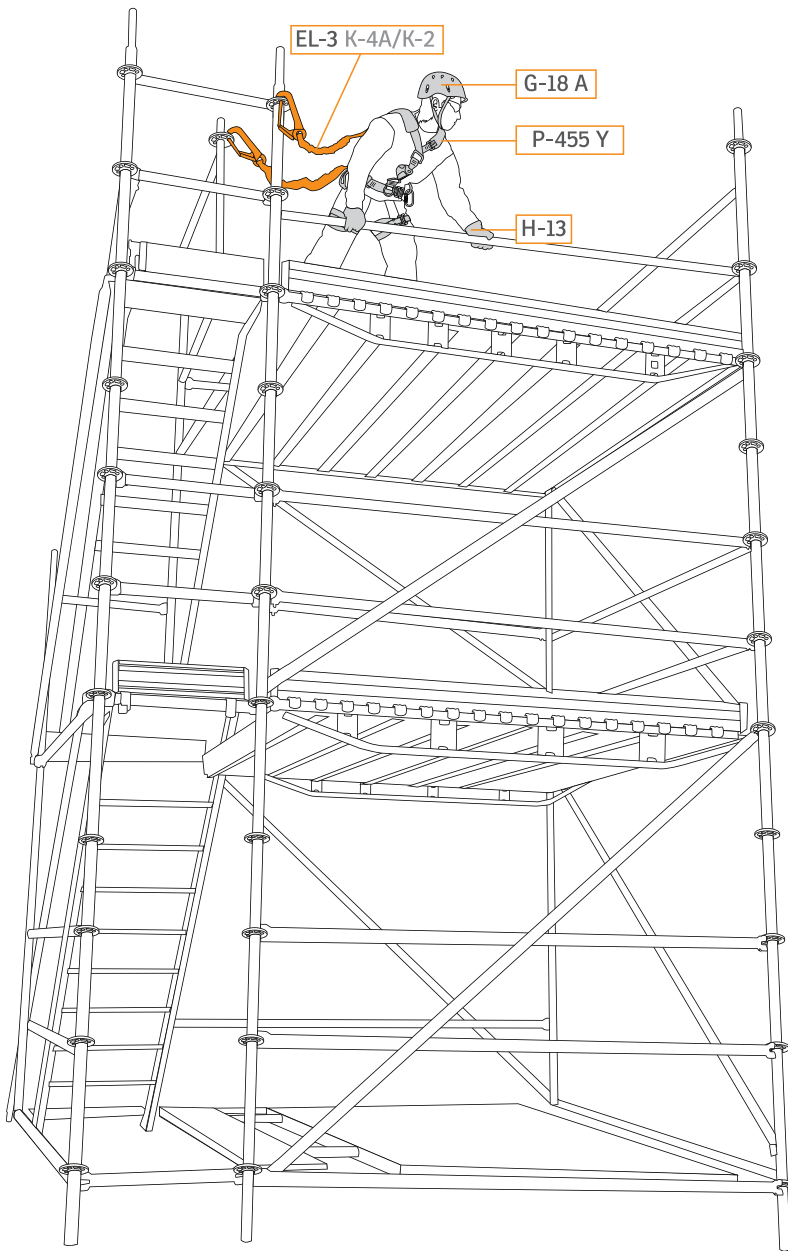
LOWER GROUND SLEEVE CORE HOLE



WORKING IN STEEL STRUCTURES

MHL-20 Mobile Horizontal Lifeline is installed in steel structures for safe work to be performed.





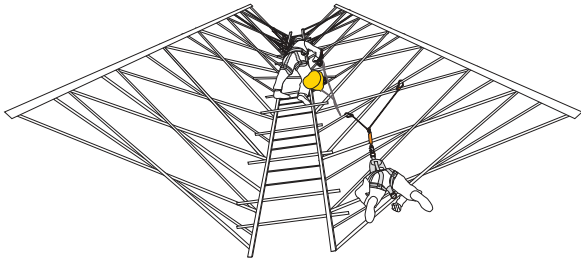
SCAFFOLDING INSTALLATION

When working on scaffoldings user must have a fall protection system attached to either a secure attachment point on scaffolding or to a structure.



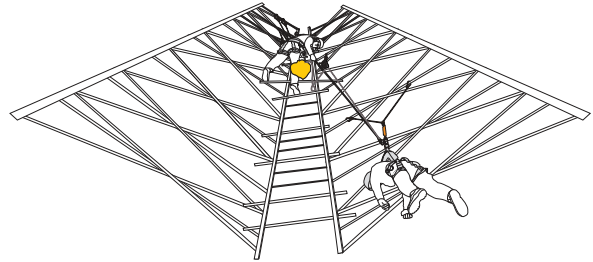


If a person has fallen and is suspended in an inaccessible area then follow below steps for immediate rescue;



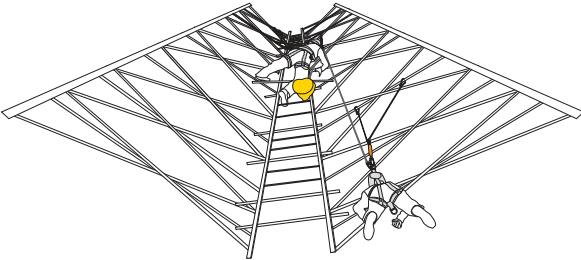
STEP 1: REACHING TO SUSPENDED WORKER

Rescuer is to set up a manual descent control system at a secure anchorage point located above suspended worker with ABS 3WH rescue device.



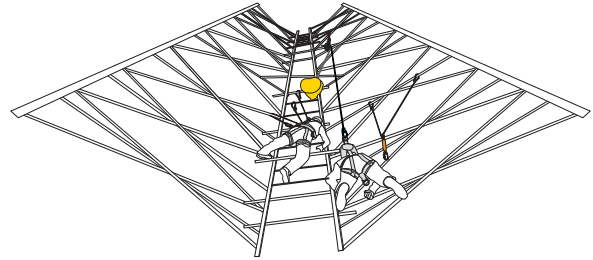
STEP 2: PREPARATION BEFORE TRANSFERRING SUSPENDED WORKER TO RESCUE SYSTEM

Rescuer connects ABS 3WH rescue device to the (A) attachment point of the full body harness of suspended worker by using the remote reach rescue pole so suspended worker can be transferred onto the rescue system



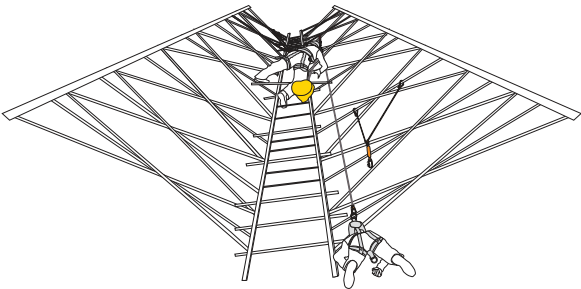
STEP 3: RE-POSITIONING

Suspended worker is lifted to higher position with rescue device to loosen the fall arrest lanyard.



STEP 4: TRANSFERRING SUSPENDED WORKER TO RESCUE SYSTEM

Suspended worker is now transferred to descent system by releasing him/her from the lanyard.



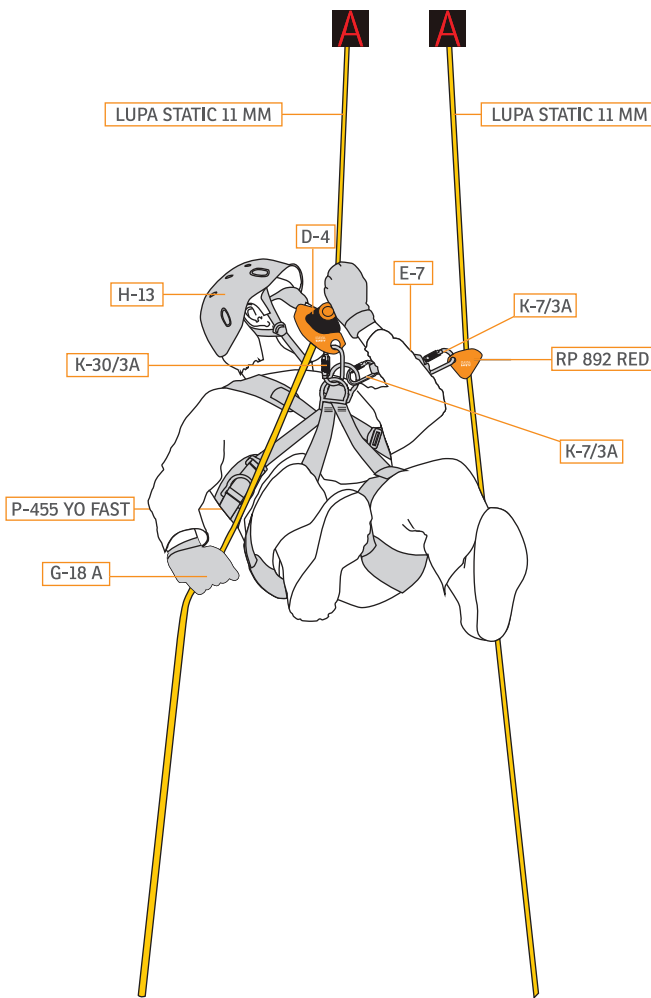
STEP 5: LOWERING SUSPENDED WORKER

The suspended worker is lowered to the ground at a constant speed of 0.9 m/sec.



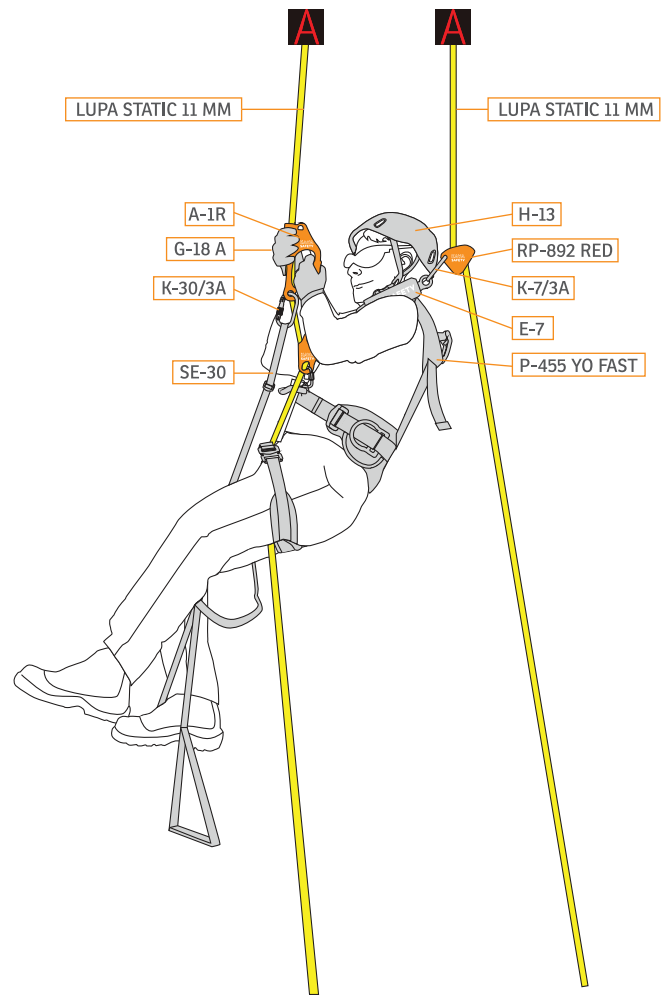
F-7 K-14/3A H-13 41 Z19 RESCUE POLE ABS 3WH P-455 Y E-3 B K-4A/K-2 WPL K-6 G-18 A





DESCENDING WITH ROPE

A descender is placed on first rope and fall arrester device with shock absorber is placed on second rope as back-up security.



ASCENDING WITH ROPE

Ascender is used for ascending on a rope. Adjustable foot loops can also be used with handled ascenders.














DIFFICULT-TO-ACCESS AREAS









Rope access is safe method of working at height where ropes and associated equipment are used to gain access to work places without the use of scaffolding, cradles or an aerial work platform. Rope access should be regarded as a complete system, in which planning, management, competence and suitable equipment should be treated with equal importance as each is dependent on the others to ensure a safe system of work. Rope access methods must be carried out by trained and competent person.

Rope access system is usually achieved by using two ropes; one as a means of access and the other as back-up security, used with a harness in combination with other devices for getting to and from the place of work and for work positioning.



STATIC 11 MM H-13 P-455 YO FAST D-4 K-30/3A RED K-7/3A E-7 A-1 R SE-30 WPL K-6 G-18 A

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P-455 YO



P-455 Y



P-455 YOB



P-455 YB



P-455 YU

FALL ARREST AND WORK POSITIONING SUSPENSION HARNESSSES

Designed to optimize body-position while hanging or during a fall. Suspension straps provide users superior comfort and flexibility.



P-455 YO FAST



P-455 YOB FAST



P-455 YU FAST



P-453 O



P-453

ROPE ACCESS SUSPENSION HARNESSSES

Specially designed for rope access works. Incorporated chest ascender provides an easy and secure attachment point and makes climbing up the rope smoother and more effective.

FALL ARREST AND WORK POSITIONING HARNESSSES



P-451 PO



J-45



B-452 TO



FB-50



FB-50 L



BD-85 F



P-453 F

FALL ARREST HARNESSSES

TELECOM HARNESS

Designed for wooden tower climbing.

FORRESTER & FIREMAN BELTS AND HARNESSSES



I-451



I-451 A



RT-3



RT-3A



M-85 A



BM-45 A



SB-2



SB-3

RESCUE HARNESSSES AND TRIANGLES

MINING BELTS

Designed for miners to carry respiratory equipment and headlamp battery.



C&H-80



DH-30



DH-40



AK-25



AK-85

ANIMAL RESCUE HARNESSSES

Designed for rescuing animals

WEIGHTLIFTING BELTS

Designed to prevent injury to the low back during heavy lifts.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



Adjustable 316 Grade
Stainless Steel QB-45
Quick Release Buckles.

Aluminium Alloy
D-Rings

Breath-Tech
Anti-Bacterial,
Breathing and
Ergonomic Waist,
Leg & Shoulder Pads

316 Grade Stainless
Steel Single Action
AB-45 Automatic
Buckles

Perfect Sewing by
Bonded Type Sewing
Yarn in Computerized
CNC Machines

Suspension Straps for
Superior Comfort and
Flexibility



P-455 YO

FALL ARREST AND WORK POSITIONING SUSPENSION HARNESS

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Rope Access, Restraint, Work Positioning, Climbing, Control Descent and Rescue
- Back and Chest D-Rings for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- 2 x waist D-Rings for Work Positioning
- 1 x D-ring in Abdominal Area for Working in Suspension
- Suspension Trauma Straps
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Back, Waist, Leg and Shoulder Pads
- Special design Aluminum D rings
- P-455 YO: Stainless steel AB-45 Automatic Buckles, P-455 Y: Stainless steel QB-45 Automatic Buckles
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x PVC Coated Gear Loops

Size : S/M, L/XL, XXL

Standard : EN 361, EN 358, EN 813, EN 12277



P-455 Y

FALL ARREST AND WORK POSITIONING SUSPENSION HARNESS

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



P-455 YO FAST

FALL ARREST AND WORK POSITIONING SUSPENSION HARNESS

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Rope Access, Restraint, Work Positioning, Climbing, Control Descent and Rescue
- Back and Chest D-Rings for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- Incorporated Chest Ascender Provides an Easy and Secure Attachment Point and Makes Climbing Up the Rope Smoother and More Effective
- 2 x waist D-Rings for Work Positioning
- 1 x D-ring in Abdominal Area for Working in Suspension
- Suspension Trauma Straps
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Back, Waist, Leg and Shoulder Pads
- Special design Aluminum D rings
- Stainless steel AB-45 Automatic Leg Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 4 x Gear Loops

Size : S/M, L/XL, XXL

Standard : EN 361, EN 358, EN 813, EN 12277



P-455 YOB FAST

WORK POSITIONING SUSPENSION HARNESS

- Harness Should be Used as a Component in Personal Restraint, Work Positioning, and Rescue
- 1 x Back D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- 2 x Waist D-Rings for Work Positioning
- Can be used as Fall Arrest and Work Positioning Harness when attached to P-455 YU
- 1 x D-ring in Abdominal Area for Working in Suspension
- Suspension Trauma Straps
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist and Leg Pads
- Special design Aluminum D rings
- Stainless steel AB-45 Automatic Leg Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 4 x Gear Loops

Size : S/M, L/XL, XXL

Standard : EN 358, EN 12277

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



P-455 YOB
WORK POSITIONING SUSPENSION HARNESS

- Harness Should be Used as a Component in Personal Restraint, Work Positioning, and Rescue
- 1 x Back D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- 2 x Waist D-Rings for Work Positioning
- Can be used as Fall Arrest and Work Positioning Harness when attached to P-455 YU
- 1 x D-ring in Abdominal Area for Working in Suspension
- Suspension Trauma Straps
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist and Leg Pads
- Special design Aluminum D rings
- Stainless steel AB-45 Automatic Waist and Leg Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x Gear Loops

Size :S/M, L/XL, XXL
Standard :EN 358, EN 12277



P-455 YB
WORK POSITIONING SUSPENSION HARNESS

- Harness Should be Used as a Component in Personal Restraint, Work Positioning, and Rescue
- 1 x D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- 2 x Waist D-Rings for Work Positioning
- Can be used as Fall Arrest and Work Positioning Harness when attached to P-455 YU
- 1 x D-ring in Abdominal Area for Working in Suspension
- Suspension Trauma Straps
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist and Leg Pads
- Special design Aluminum D rings
- Stainless steel QB-45 Quick Waist and Leg Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x Gear Loops

Size :S/M, L/XL, XXL
Standard :EN 358, EN 12277



P-455 YU
UPPER HARNESS

- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Back and Shoulder Pad
- Special design Aluminum D rings
- Stainless steel QB-45 Quick Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- Can be used as Fall Arrest and Work Positioning Harness when attached to P-455 YB

Size : S/M, L/XL, XXL



CA-2



TS-30

CA-2

CHEST ASCENDER KIT

- Designed for Rope Ascent With a Chest Rope Clamp. The Low Attachment Point Allows For a Fast and Energy Saving Ascent.

Weight : 353 gr

TS-30

SUSPENSION TRAUMA STRAPS

- Designed to prevent suspension trauma while a worker is awaiting rescue
- Helps suspended users to overcome the potential negative health impacts of suspension trauma
- Made of 30 mm High Tenacity Webbing
- Comes with Fast Adjustable Buckles Attached to the Webbing

Weight : 188 gr (2 pcs)



(TS-30) USAGE OF SUSPENSION TRAUMA STRAPS



STAR
BOSUN'S CHAIR

- Ideal for working short or extended periods in suspension; windows cleaning, maintenance, painting etc.
- Adjustable QB-25 Quick Buckles
- 3 x gear loops
- Does not provide any fall protection and must be used with an appropriate fall arrest and rescue system

Weight : 1.420 gr

STAR COMFORT
BOSUN'S CHAIR

- Ideal for working short or extended periods in suspension; windows cleaning, maintenance, painting etc.
- Wide Sitting Area Provides Comfortable Sitting and Working Position
- Webbing ladder for resting
- 3 x gear loops
- Does not provide any fall protection and must be used with an appropriate fall arrest and rescue system

Weight : 1.530 gr

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



P-453 O

FALL ARREST AND WORK POSITIONING HARNESS

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Restraint and Work Positioning,
- Back and Chest D-Rings for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Leg, Waist and Shoulder Pads
- Special design Aluminum D rings
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- Stainless steel AB-45 Automatic Buckles

Size : S/M, L/XL, XXL
Standard: EN 361, EN 358



P-451 PO

FALL ARREST HARNESS

- Back and Chest D-Rings for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Leg and Shoulder Pads
- Stainless steel AB-45 Automatic Buckles
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL
Standard: EN 361



P-453 FALL ARREST AND WORK POSITIONING HARNESS

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Restraint and Work Positioning,
- 1 x Back D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- 2 x waist D-Rings for Work Positioning
- 1 x K-2 Oval Type Carabiner for Chest Anchorage Point
- Maximum comfort by virtue of Breathing, Antibacterial & Ergonomic Waist Pad
- Stainless steel QB-45 Automatic Buckles
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL, XXL
Standard: EN 361, EN 358



J-45 FALL ARREST HARNESS (JACKET TYPE)

- 1 x Back D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- Integrated Jacket Harness
- Easy and fast to put on zipper system
- Adjustable Buckles
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL
Standard: EN 361

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



P-451 AS

ANTI-STATIC FALL ARREST HARNESS

- Ideal solution for safe work at height in explosive atmospheres. It is particularly suitable for Petrochemical and Mining Industry Environments.
- The Anti-static material prevents the risk of an electrostatic discharge igniting the explosive atmosphere thus allowing the user to work in complete safety in these high risk environments.
- 45mm High Tenacity Polyester Webbing
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL
Standard: EN 361, EN 13463-1

P-451 PO-AS

ANTI-STATIC FALL ARREST HARNESS

- Ideal solution for safe work at height in explosive atmospheres. It is particularly suitable for Petrochemical and Mining Industry Environments.
- The Anti-static material prevents the risk of an electrostatic discharge igniting the explosive atmosphere thus allowing the user to work in complete safety in these high risk environments.
- 45mm High Tenacity Polyester Webbing
- Maximum comfort by virtue of Breathing, Antibacterial & Ergonomic Leg and Shoulder Pads
- Stainless steel AB-45 Automatic Buckles
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL
Standard: EN 361, EN 13463-1, EN 13463-5





B-452



BD-85



B-452 TO



BK-85 A

B-452

WORK POSITIONING HARNESS (WAIST TYPE)

- Harness Should be Used as a Component in Work Positioning and Restraint
- 2 x Waist D-Rings for Work Positioning
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist Pad
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL
Standard: EN 358

B-452 TO

WORK POSITIONING HARNESS (TELECOM TYPE)

- Harness Should be Used as a Component in Work Positioning and Restraint
- 2 x Waist D-Rings for Work Positioning
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist and Leg Pads
- Special design Aluminum D rings
- Stainless steel AB-45 Automatic Waist and Leg Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL
Standard: EN 358

BD-85

WORK POSITIONING HARNESS (ELECTRICIAN TYPE)

- Harness Should be Used as a Component in Work Positioning and Restraint
- 2 x 85 mm Aluminum Waist D-Rings
- Maximum comfort by virtue of Breathing, Antibacterial & Ergonomic Waist Pad
- Stainless Steel Metal Componentets
- Easy Adjustable Buckles
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL
Standard: EN 358

BK-85 A

WORK POSITIONING HARNESS (WAIST TYPE)

- Harness Should be Used as a Component in Work Positioning and Restraint
- 2 x 85 mm Aluminum Waist D-Rings
- Maximum comfort by virtue of Breathing, Antibacterial & Ergonomic Waist Pad
- Easy Adjustable Buckles
- Aluminum Metal Components
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Size : S/M, L/XL
Standard: EN 358



I-451 A



RT-3



AK-25



I-451



RT-3 A



AK-85

I-451 A
CLIMBING HARNESS

- 1 x abdominal anchorage point
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist and Leg Pads
- Stainless steel QB-45 Quick Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 4 x Gear Loops

Size : S/M, L/XL
Standard: EN 12277

I-451
RESCUE HARNESS

- 1 x special design abdominal aluminum D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist and Leg Pads
- Stainless steel QB-45 Quick Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x Gear Loops

Size : S/M, L/XL
Standard: EN 12277

RT-3
RESCUE TRIANGLE

- Easy adjustment with buckles
- Different multi connection points

Size : S/M, L/XL
Standard: EN 1498

RT-3A
RESCUE TRIANGLE WITH SHOULDER STRAP

- Specially designed for rescue operations
- Easy to put on with its shoulder straps
- Easy adjustment with QB-45 quick buckles

Size : S/M, L/XL
Standard: EN 1498

AK-25
WEIGHT LIFTING BELT WITH SHOULDER STRAP

- Designed to prevent injury to the low back during heavy lifts
- 85 mm high tenacity webbing
- Adjustable shoulder straps allows comfortable wear

Size : S/M, L/XL
Weight : 256 gr

AK-85
WEIGHT LIFTING BELT

- Designed to prevent injury to the low back during heavy lifts
- 85 mm high tenacity webbing
- Velcro straps allows easy wear and size adjustment

Size : S/M, L/XL
Weight : 435 gr

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



FB-50



FB-50 L

FB-50
FORRESTER BELT

- 1 x 45 mm 316 Grade Stainless D-Ring
- 50 mm Heat-Resistant Kevlar Webbing
- High Visibility Reflector Band
- 1 x 45 mm 316 Grade Stainless Buckle

Size : S/M, L/XL

FB-50 L
FORRESTER BELT WITH LANYARD

- 1 x 45 mm 316 Grade Stainless D-Ring
- 50 mm Heat-Resistant Kevlar Webbing
- High Visibility Reflector Band
- 1 x 45 mm 316 Grade Stainless Buckle
- 1,2 mt Kevlar Lanyard with Carabiner

Size : S/M, L/XL



BD-85 F
FIREMAN BELT

- 1 x Wide Aluminum D Ring
- 85mm Polyester Webbing
- Leather Covered pinning area
- 1 x 85mm Tongue Buckle
- 1,2 Meter Leather Covered Lanyard with Carabineer

Size : S/M, L/XL
Standard: EN 358, EN 354



P-453 F
FIREMAN HARNESS

- Heat and flame proof Full Body Harness is ideal for rescue in high temperature environments
- Maximum comfort by wide, semi-rigid, ergonomic, heat and flame proof waist pad
- In work positioning weight is distributed equally around the waist by side connection points
- Easy adjustable buckles
- Stainless steel metal parts

Size : S/M, L/XL, XXL
Standard: EN 361, EN 358



M-85 AS
ANTI-STATIC MINERS BELT

- Ideal for working environments where there is flare and explosion risk
- Maximum comfort by virtue of Breathing, Antibacterial & Ergonomic Waist Pad
- High visibility in dark environments by reflector bands
- Special holders to carry respirator set and head lamp battery
- AB-45 stainless steel buckles
- UV Resistant high strength bonded type yarns and contrastive color sewing for quick eye control

Size : S/M, L/XL
Standard: EN 13463-1, ATEX



BM-45 A
MINERS BELT

- Maximum comfort by virtue of Breathing, Antibacterial & Ergonomic Waist Pad
- Easy use with shoulder straps
- Stainless steel metal components
- Easy adjustable buckles
- High visibility in dark environments by reflector bands
- UV Resistant high strength bonded type yarns and contrastive color sewing for quick eye control

Size : S/M, L/XL



SB-2



SB-3

SB-2
MINERS BELT

- Special holders to carry respirator set and head lamp battery
- 2 x 316 grade stainless steel D rings
- 45 mm high tenacity polyester webbing
- Leather covered webbing
- UV Resistant high strength bonded type yarns and contrastive color sewing for quick eye control

Size : S/M, L/XL

SB-3
MINERS BELT

- Ideal for restraint in mines
- Special holders to carry respirator set and head lamp battery
- 1 x 316 grade stainless steel D ring
- 45 mm high tenacity polyester webbing
- Leather covered webbing
- UV Resistant high strength bonded type yarns and contrastive color sewing for quick eye control

Weight : 495 gr



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



C&H – 80

LARGE ANIMAL RESCUE HARNESS

- Ideal solution for rescuing large animals such as cows and horses
- 2 x 85mm wide suspension slings
- 2 x 80 mm wide body and chest webbings to make the lifting process comfortable
- Adjustable QB-45 quick buckles
- Packed in its own special bag

Weight : 5.510 gr

Standard: ISO 9001:2008



DH-30

DH-30

DOG RESCUE HARNESS

- Designed to carry search & rescue dogs
- Ideal for transporting by helicopter
- Adjustable buckles enables it to be used for dogs of different sizes
- Easy clean & changeable support pads
- Very light and takes up less space

Weight : 1.110 gr

Standard: ISO 9001:2008



DH-40

DH-40

DOG CARRY HARNESS

- Designed to carry search & rescue dogs
- Ideal for transporting by helicopter
- Adjustable shoulder straps make it easy to lift, position and control your dog during the evolution
- Foam pillow suspends the dog in a comfortable position
- Has Anti-Bacterial and Breathable carry pads

Weight : 1.530 gr

Standard: ISO 9001:2008



BC-46 P
BOSUN'S CHAIR – PROFESSIONAL (MARINE USE)

- Comfortable working position
- 2 x tool bags
- Stainless steel metal parts
- One hand operation AB-45 automatic buckle
- UV resistant high strength bonded yarns and contrastive color sewing for quick eye control

Weight : 2.230 gr



BC-46 C
BOSUN'S CHAIR – COMFORT (MARINE USE)

- Comfortable working position
- 2 x tool bags
- Stainless steel metal parts
- Easy adjustable buckles
- UV resistant high strength bonded yarns and contrastive color sewing for quick eye control

Weight : 1.780 gr



BM-45
SAFETY HARNESS (MARINE USE)

- Comfortable working position
- Stainless steel metal parts
- Easy adjustable buckles
- UV resistant high strength bonded yarns and contrastive color sewing for quick eye control

Size : S/M, L/XL

Weight : 510 gr(S/M), 550 gr(L/XL)

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT

IMAGE	PRODUCT CODE	SIZE	STANDARD	ANCHORAGE POINT					DIMENSIONS			WEIGHT	
				BACK (EN 361)	CHEST (EN 361)	SIDE (EN 358)	ABDOMINAL (EN 813)	ABDOMINAL (EN 12277)	WAIST	LEG	HEIGHT		
	P-455 YO	S/M	EN 361 EN 358 EN 813 EN 12277	✓	✓	✓	✓	✓	65 - 95 cm	45 - 65 cm	155 - 175 cm	2,148 kg	
		L/XL		✓	✓	✓	✓	✓	75 - 115 cm	60 - 70 cm	175 - 190 cm	2,240 kg	
		XXL		✓	✓	✓	✓	✓	85 - 135 cm	65 - 80 cm	180 - 200 cm	2,349 kg	
	P-455 Y	S/M	EN 361 EN 358	✓	✓	✓	✓	✓	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,878 kg	
		L/XL		✓	✓	✓	✓	✓	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,970 kg	
		XXL		✓	✓	✓	✓	✓	85 - 135 cm	65 - 80 cm	180 - 200 cm	2,079 kg	
	P-455 YU	S/M	-	-	-	-	-	-	-	-	175 - 190 cm	0,568 kg	
		L/XL		-	-	-	-	-	-	-	-	180 - 195 cm	0,660 kg
		XXL		-	-	-	-	-	-	-	-	180 - 200 cm	0,760 kg
	P-455 YOB	S/M	EN 358 EN 12277	-	-	✓	-	✓	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,492 kg	
		L/XL		-	-	✓	-	✓	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,584 kg	
		XXL		-	-	✓	-	✓	85 - 135 cm	65 - 80 cm	180 - 200 cm	1,692 kg	
	P-455 YB	S/M	EN 358 EN 12277	✓	-	-	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,218 kg	
		L/XL		✓	-	-	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,310 kg	
		XXL		✓	-	-	-	-	85 - 135 cm	65 - 80 cm	180 - 200 cm	1,419 kg	
	P-455 YO FAST	S/M	EN 361 EN 358 EN 813 EN 12277	✓	✓	✓	✓	✓	65 - 95 cm	45 - 65 cm	155 - 175 cm	2,363 kg	
		L/XL		✓	✓	✓	✓	✓	75 - 115 cm	60 - 70 cm	175 - 190 cm	2,455 kg	
		XXL		✓	✓	✓	✓	✓	85 - 135 cm	65 - 80 cm	180 - 200 cm	2,564 kg	
	P-455 YOB FAST	S/M	EN 358 EN 12277	-	-	✓	-	✓	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,700 kg	
		L/XL		-	-	✓	-	✓	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,798 kg	
		XXL		-	-	✓	-	✓	85 - 135 cm	65 - 80 cm	180 - 200 cm	1,907 kg	
	P-453 O	S/M	EN 361 EN 358	✓	✓	✓	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,789 kg	
		L/XL		✓	✓	✓	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,881 kg	
		XXL		✓	✓	✓	-	-	85 - 135 cm	65 - 80 cm	180 - 200 cm	1,990 kg	
	P-451 PO	S/M	EN 361	✓	✓	-	-	-	-	45 - 65 cm	155 - 175 cm	1,577 kg	
		L/XL		✓	✓	-	-	-	-	60 - 70 cm	175 - 190 cm	1,669 kg	
		XXL		✓	✓	-	-	-	-	65 - 80 cm	180 - 200 cm	1,778 kg	
	P-453	S/M	EN 361 EN 358	✓	✓	✓	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,459 kg	
		L/XL		✓	✓	✓	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,561 kg	
		XXL		✓	✓	✓	-	-	85 - 135 cm	65 - 80 cm	180 - 200 cm	1,670 kg	
	J-45	S/M	EN 361	✓	✓	-	-	-	-	45 - 65 cm	155 - 175 cm	1,071 kg	
		L/XL		✓	✓	-	-	-	-	60 - 70 cm	175 - 190 cm	1,163 kg	
		XXL		✓	✓	-	-	-	-	65 - 80 cm	180 - 200 cm	1,272 kg	

PRODUCT	PRODUCT CODE	SIZE	STANDARD	ANCHORAGE POINT					DIMENSIONS			WEIGHT
				BACK (EN 361)	CHEST (EN 361)	SIDE (EN 358)	ABDOMINAL (EN 813)	ABDOMINAL (EN 12277)	WAIST	LEG	HEIGHT	
	P-451 AS	S/M	EN 361 EN 13463-1	√	√	-	-	-	-	45 - 65 cm	155 - 175 cm	0,875 kg
		L/XL		√	√	-	-	-	-	60 - 70 cm	175 - 190 cm	0,941 kg
		XXL		√	√	-	-	-	-	65 - 80 cm	180 - 200 cm	1,050 kg
	B-452 TO	S/M	EN 358	-	-	√	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,190 kg
		L/XL		-	-	√	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,282 kg
	B-452	S/M	EN 358	-	-	√	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	0,477 kg
		L/XL		-	-	√	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	0,519 kg
	BD-85	S/M	EN 358	-	-	√	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,259 kg
		L/XL		-	-	√	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,325 kg
	FB-50	S/M	-	-	-	-	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	0,243 kg
		L/XL	-	-	-	-	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	0,285 kg
	FB-50 L	S/M	-	-	-	-	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	0,678 kg
		L/XL	-	-	-	-	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	0,720 kg
	BD-85 F	S/M	EN 358	-	-	√	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,073
		L/XL		-	-	√	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,165 kg
	P-453 F	S/M	EN 361 EN 358	√	√	√	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	1,564 kg
		L/XL		√	√	√	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,656 kg
		XXL		√	√	√	-	-	85 - 135 cm	65 - 80 cm	180 - 200 cm	1,765 kg
	M-85 AS	S/M	EN 13463-1	-	-	-	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	0,528 kg
		L/XL		-	-	-	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	0,570 kg
	BM-45 A	S/M	-	-	-	-	-	-	65 - 110 cm	50 - 65 cm	155 - 175 cm	0,764 kg
		L/XL	-	-	-	-	-	-	75 - 135 cm	60 - 70 cm	175 - 190 cm	0,806 kg
	SB-2	S/M	-	-	-	-	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	0,416 kg
		L/XL	-	-	-	-	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	0,458 kg
	SB-3	S/M	-	-	-	-	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	0,500 kg
		L/XL	-	-	-	-	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	0,542 kg
	I-451	S/M	EN 12277	-	-	-	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	0,900 kg
		L/XL		-	-	-	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	0,967 kg
	I-451 A	S/M	EN 12277	-	-	-	-	-	65 - 95 cm	45 - 65 cm	155 - 175 cm	0,594 kg
		L/XL		-	-	-	-	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	0,660 kg
	RT-3 A	S/M	EN 1498	-	√	-	-	-				1,048 kg
		L/XL		-	√	-	-	-				1,140 kg
	RT-3	S/M	EN 1498	-	√	-	-	-				0,850 kg
		L/XL		-	√	-	-	-				0,940 kg





EL-3 K-4A/K-6



EL-1 K-4A/K-6

ELASTIC SHOCK ABSORBING LANYARDS

Energy absorbing lanyards incorporate a unique stretchable design. It offers complete freedom of movement while reducing trip fall hazards by stretching in reaction to the worker's movements. The design is lightweight and provides max comfort and safety. The unique inner core begins to extend and absorb energy once subjected to a fall, and limits the fall arrest forces to safe levels. Available in single or twin - leg version.



E-3 W K-4A/K-2



E-3 B K-4A/K-2



E-3 T K-4A/K-2



E-1 W K-4A/K-2



E-1 B K-4A/K-2



E-1 T K-4A/K-2

SHOCK ABSORBING LANYARDS

These lanyards are generally used for tower climbing, steel erecting, scaffolding and maintenance on open structures. The lanyard is fitted with an energy absorber that reduces the impact force and the risk of injuries for the operator. The energy of the fall is absorbed by the tearing of specific webbing. The twin rebar hooks allows the user to maintain safe connection while moving around the structure. Available in twin or single - leg version.



WPL



WPL K-6



WPL WA K-6

ADJUSTABLE LANYARDS (WORK POSITIONING)

Adjustable lanyards are compact devices used for work positioning. It enables user to leave the hands free and to work in complete safety. Its ergonomic design makes it easy to use, ensuring adjustment is quick, accurate and flexible for greater comfort while working.

ADJUSTABLE LANYARDS (WOOD OR CONCRETE POLES)

This adjustable lanyard can be used for a variety of applications including: tower climbing, wind energy, wood and concrete pole climbing.



L-1 W K-4A/K-2



L-1 B K-4A/K-2



L-1 T K-4A/K-2



L-2 B K-4A/K-2



L-2 T K-4A/K-2

SINGLE-LEG LANYARDS

Allows workers to attach to an anchorage point and remain safe during their work. Recommended size for this type of lanyard is 1, 2 mt.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

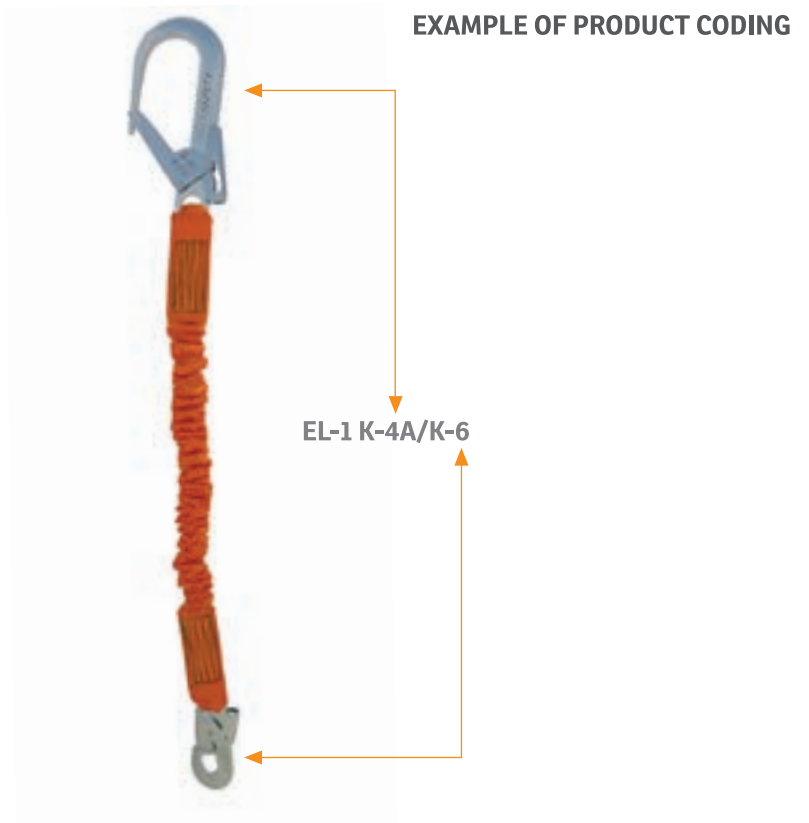
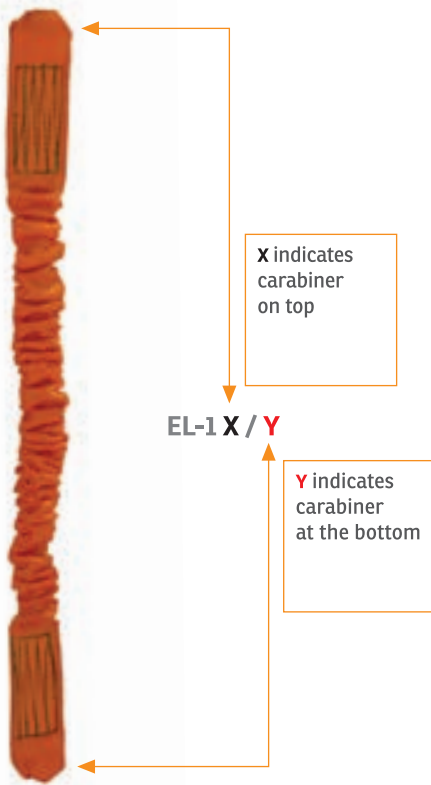
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



EL-1 SERIES

SINGLE-LEG ELASTIC SHOCK ABSORBING LANYARD

- Offers complete freedom of movement while reducing trip fall hazards by stretching in reaction to the worker's movements
- Made of abrasion resistant polyester tubular webbing
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn
- Length after fall is 1,5 meter

Models

- **EL-1** Shock absorbing lanyard only
- **EL-1 K-2/K-2** Both end with **K-2** type carabiner
- **EL-1 K-6/K-2** Bottom: **K-6** type carabiner
Top : **K-2** type carabiner
- **EL-1 K-4A/K-2** Bottom: **K-2** type carabiner
Top : **K-4A** type carabiner
- **EL-1 K-4A/K-6** Bottom: **K-6** type carabiner
Top : **K-4A** type carabiner

Length : 1, 2 & 2 meter

Standard: EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

TWIN-LEG ELASTIC SHOCK ABSORBING LANYARDS



EL-3 SERIES

TWIN-LEG ELASTIC SHOCK ABSORBING LANYARD

- Offers complete freedom of movement while reducing trip fall hazards by stretching in reaction to the worker's movements
- Twin-leg model allows user to keep one leg attached to the anchorage while the other leg is always ready to be hooked to the next anchorage
- Made of abrasion resistant polyester tubular webbing
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn
- Rebar hook for use with anchor points requiring large gate opening

Models

- **EL-3 K-4A/K-6** Bottom: K-6 type carabiner
Top : K-4A type carabiner
- **EL-3 K-6/K-6** Bottom: K-6 type carabiner
Top : K-6 type carabiner

Length : 1, 2 & 2 meter

Standard: EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

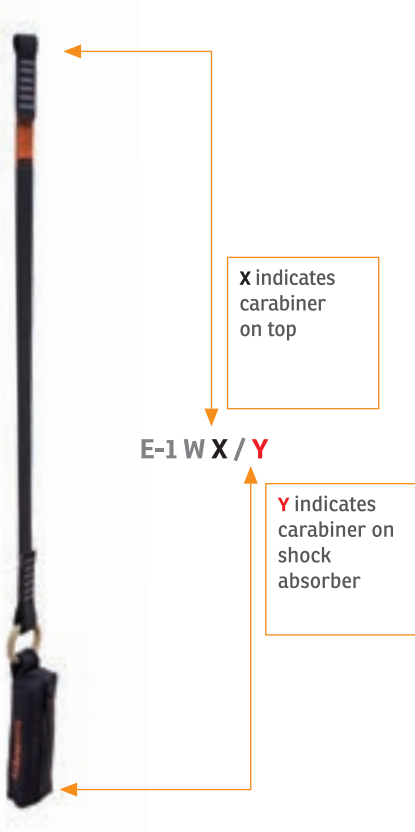
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



E-1 W SERIES

SINGLE – LEG SHOCK ABSORBING WEBBING LANYARD

- Allows workers to attach to an anchorage point and remain safe during their work
- Made of highly resistant polyester webbing
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

- E-1 W Shock absorber and lanyard only
- E-1 W K-2/K-2 Both end with K-2 type carabiner
- E-1 W K-6/K-2 Bottom : K-2 type carabiner
Top : K-6 type carabiner
- E-1 W K-4A/K-2 Bottom: K-2 type carabiner
Top : K-4A type carabiner
- E-1 W K-4A/K-6 Bottom: K-6 type carabiner
Top : K-4A type carabiner

Length : 1, 2 & 2 meter

Standard: EN 354, EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

TWIN – LEG SHOCK ABSORBING WEBBING LANYARDS



E-3 W SERIES

TWIN – LEG SHOCK ABSORBING WEBBING LANYARD

- Twin-leg model allows user to keep one leg attached to the anchorage while the other leg is always ready to be hooked to the next anchorage
- Made of highly resistant polyester webbing
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

- **E-3 W K-4A/K-2** Bottom: K-2 type carabiner
Top : K-4A type carabiner
- **E-3 W K-6/K-2** Bottom: K-2 type carabiner
Top : K-6 type carabiner

Length : 1, 2 & 2 meter

Standard: EN 354, EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

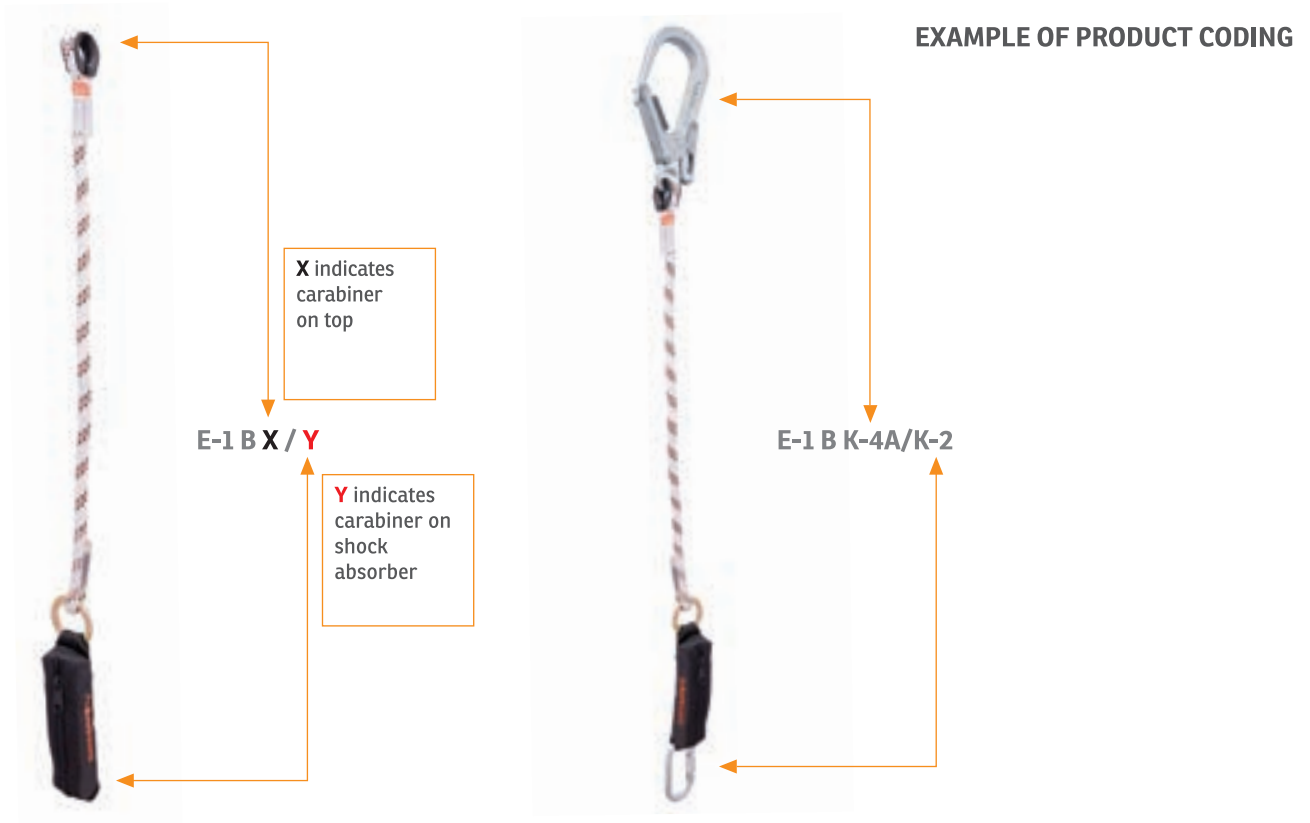
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



E-1 B SERIES

SINGLE – LEG SHOCK ABSORBING BRAIDED ROPE LANYARD

- Allows workers to attach to an anchorage point and remain safe during their work
- Made of 12 mm braided rope
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

- **E-1 B** Shock absorber and lanyard only
- **E-1 B K-2/K-2** Both end with **K-2** type carabiner
- **E-1 B K-6/K-2** Bottom: **K-2** type carabiner
Top : **K-6** type carabiner
- **E-1 B K-4A/K-2** Bottom: **K-2** type carabiner
Top : **K-4A** type carabiner
- **E-1 B K-4A/K-6** Bottom: **K-6** type carabiner
Top : **K-4A** type carabiner

Length : 1, 2 & 2 meter

Standard: EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

TWIN – LEG SHOCK ABSORBING BRAIDED ROPE LANYARD



E-3 B SERIES

TWIN – LEG SHOCK ABSORBING BRAIDED ROPE LANYARD

- Twin-leg model allows user to keep one leg attached to the anchorage while the other leg is always ready to be hooked to the next anchorage
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

- **E-3 B K-4A/K-2** Bottom: K-2 type carabiner
Top : K-4A type carabiner
- **E-3 B K-6/K-2** Bottom: K-2 type carabiner
Top : K-6 type carabiner

Length : 1, 2 & 2 meter

Standard: EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

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HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

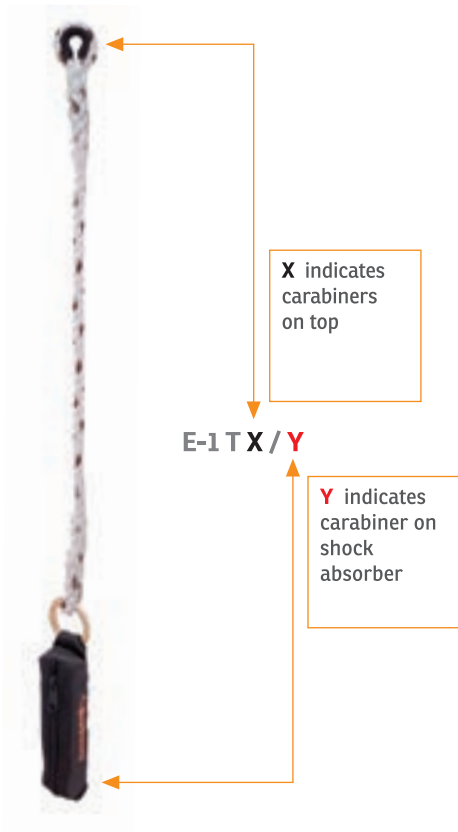
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



E-1 T SERIES
SINGLE – LEG SHOCK ABSORBING TWISTED ROPE LANYARD

- Made of high tenacity 3 strands twisted rope
- Allows workers to attach to an anchorage point and remain safe during their work
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber

Models

- **E-1 T** Shock absorber and lanyard only
- **E-1 T K-2/K-2** Both end with **K-2** type carabiner
- **E-1 T K-6/K-2** Bottom: **K-2** type carabiner
Top : **K-6** type carabiner
- **E-1 T K-4A/K-2** Bottom: **K-2** type carabiner
Top : **K-4A** type carabiner
- **E-1 T K-4A/K-6** Bottom: **K-6** type carabiner
Top : **K-4A** type carabiner

Length : 1, 2 & 2 meter

Standard: EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

TWIN – LEG SHOCK ABSORBING TWISTED ROPE LANYARD



E-3 T SERIES

TWIN – LEG SHOCK ABSORBING TWISTED ROPE LANYARD

- Made of high tenacity 3 strands twisted rope
- Twin-leg model allows user to keep one leg attached to the anchorage while the other leg is always ready to be hooked to the next anchorage
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber

Models

- E-3 T K-4A/K-2 Bottom: K-2 type carabiner Top : K-4A type carabiner
- E-3 T K-6/K-2 Bottom: K-2 type carabiner Top : K-6 type carabiner

Length : 1, 2 & 2 meter
Standard: EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

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HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

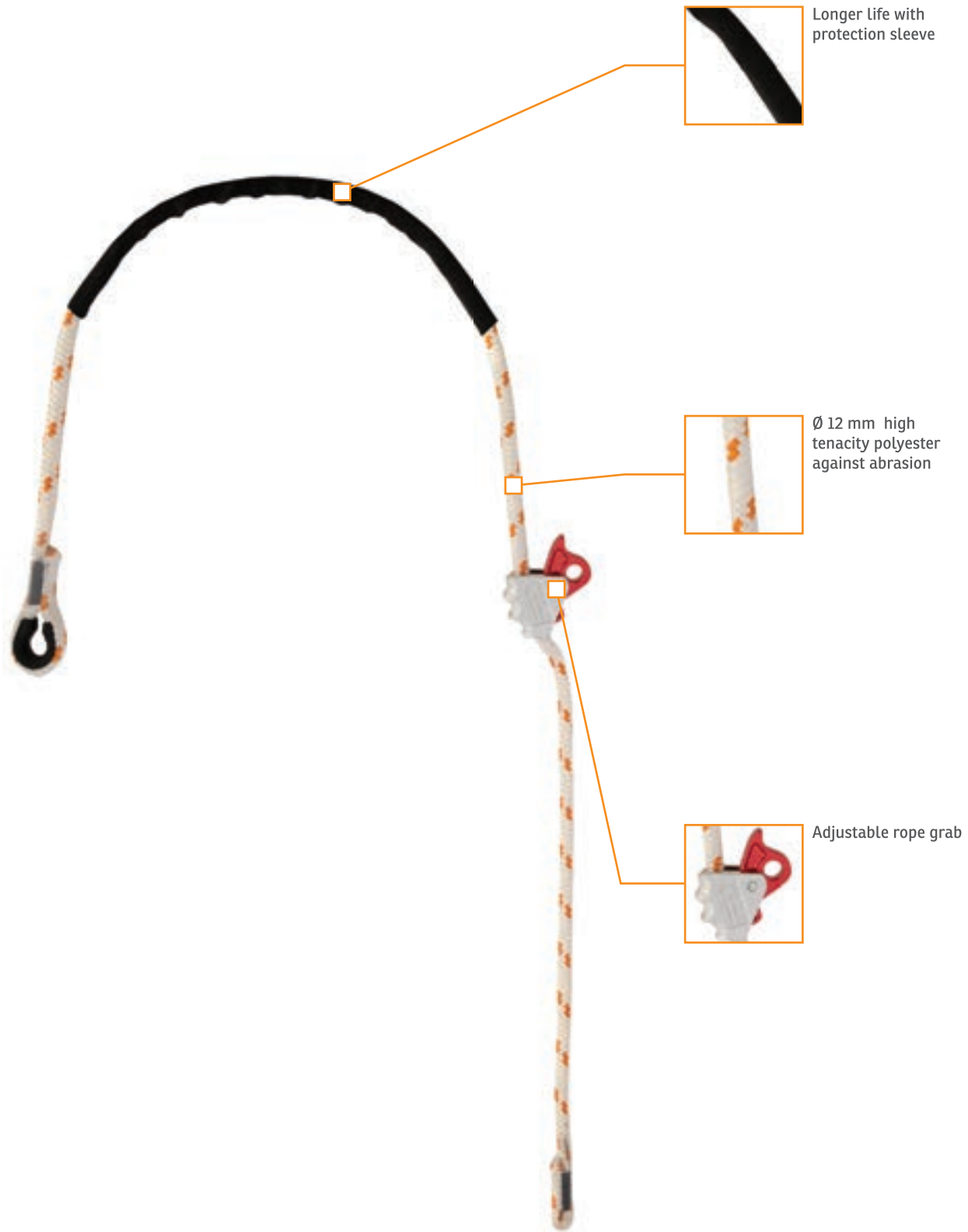
VERTICAL LIFELINE

HORIZONTAL LIFELINE

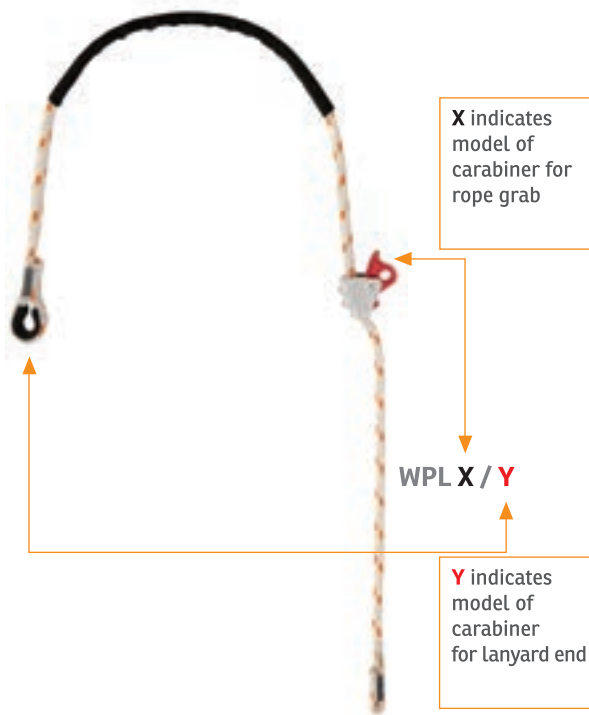
DEFENCE

LIFTING EQUIPMENT

WPL SERIES PRODUCT FEATURES



EXAMPLE OF PRODUCT CODING



WPL
WORK POSITIONING LANYARD

- Ergonomic design makes it easy to use, ensuring adjustment is quick, accurate and flexible for greater comfort while working.
- Protection sleeve protects the rope against abrasion on rough surfaces and edges
- Diameter of the rope is 12 mm
- Rope grab is made of aluminum alloy
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

- **WPL** One side with thimble, the other side spliced end
- **WPL K-6/K-2** Rope end : **K-6** type carabiner
Rope Grab: **K-2** type carabiner
- **WPL K-4A/K-2** Rope end : **K-4A** type carabiner
Rope Grab: **K-2** type carabiner

Length : 3 m – 5 m – 7 m – 10 m
Weight : 735 gr
Standard: EN 358, EN 353-2

CARABINER OPTIONS



Note: For more information please check section: Carabiners

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



**BP-50
POSITIONING LOCK**

- Used with WPL work positioning lanyard

Weight: 177 gr



**WPL WA K-6
WORK POSITIONING LANYARD**

- Designed for wood or concrete poles
- Ergonomic design makes it easy to use, ensuring adjustment is quick, accurate and flexible for greater comfort while working.
- Protection sleeve protects the rope against abrasion on rough surfaces and edges
- Diameter of the rope is 12 mm
- Rope grab is made of aluminum alloy
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Length : 3 m – 5 m – 7 m – 10 m
Weight : 875 gr
Standard: EN 358, EN 353-2

CARABINER OPTIONS



K-2



K-6



K-4 KL



K-4/2A



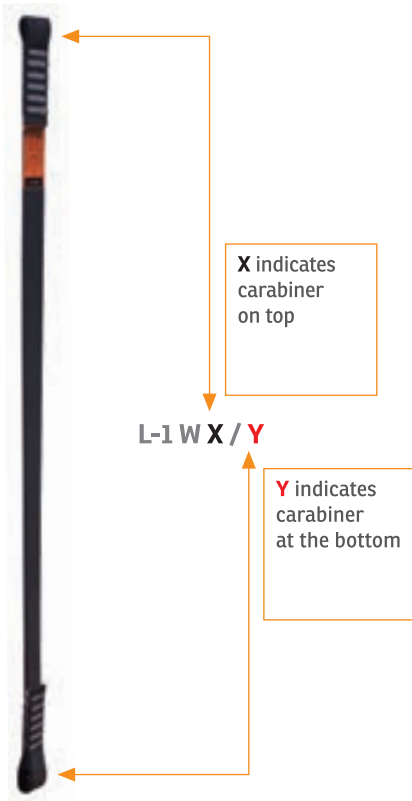
K-4A



K-4B

Note: For more information please check section: Carabiners





L-1 W SERIES

SINGLE – LEG WEBBING LANYARDS

- Allows workers to attach to an anchorage point and remain safe during their work
- Made of highly resistant polyester webbing
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

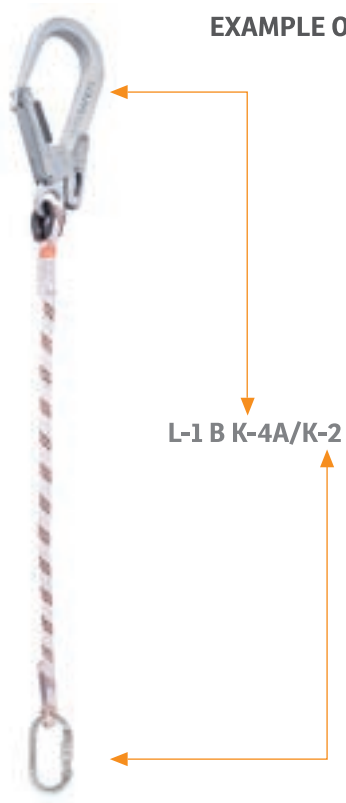
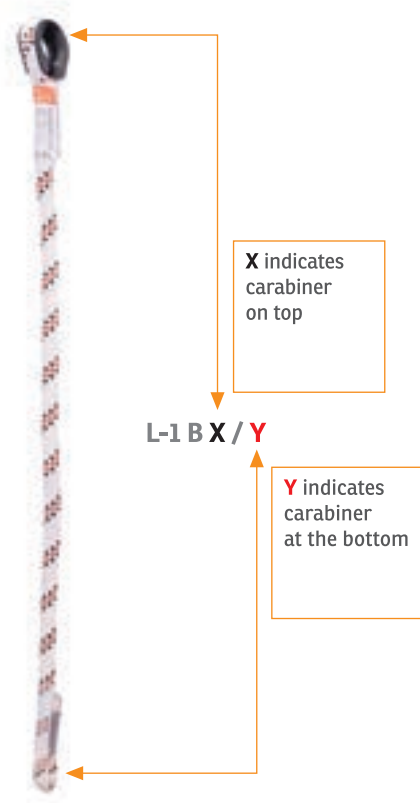
- L-1 W Lanyard only (Both spliced end)
- L-1 W K-2/K-2 Both end with K-2 type carabiner
- L-1 W K-4A/K-2 Bottom: K-2 type carabiner
Top : K-4A type carabiner

Length : 1, 2 & 2 meter
Standard: EN 354, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners



EXAMPLE OF PRODUCT CODING

L-1 B SERIES

SINGLE – LEG BRAIDED ROPE LANYARD

- Allows workers to attach to an anchorage point and remain safe during their work
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

- L-1 B One side with thimble, the other side spliced end
- L-1 B K-2/K-2 Both end with K-2 type carabiner
- L-1 B K-4A/K-2 Bottom: K-2 type carabiner
Top : K-4A type carabiner

Length : 1, 2 & 2 meter

Standard: EN 354, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

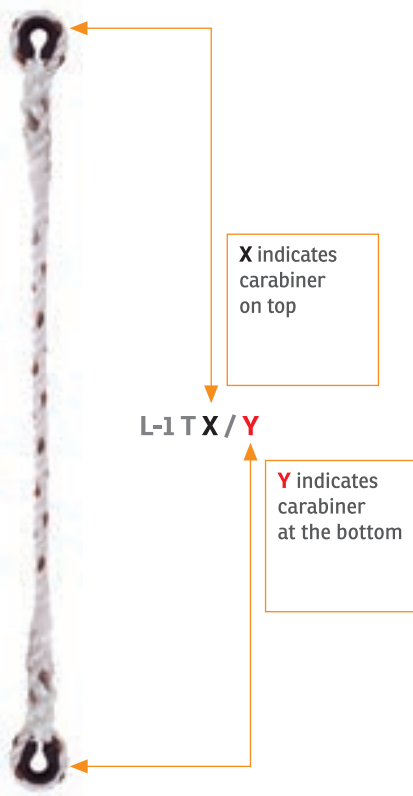
SAFETY NETS

VERTICAL LIFELINE

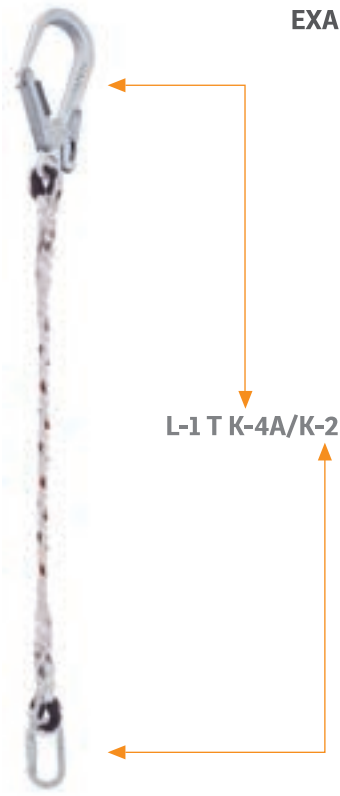
HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



EXAMPLE OF PRODUCT CODING



L-1 T SERIES

SINGLE – LEG TWISTED ROPE LANYARD

- Made of high tenacity 3 strands twisted rope
- Allows workers to attach to an anchorage point and remain safe during their work

Models

- L-1 T Lanyard only
- L-1 T K-2/K-2 Both end with K-2 type carabiner
- L-1 T K-4A/K-2 Bottom: K-2 type carabiner
Top : K-4A type carabiner

Length : 1, 2 & 2 meter

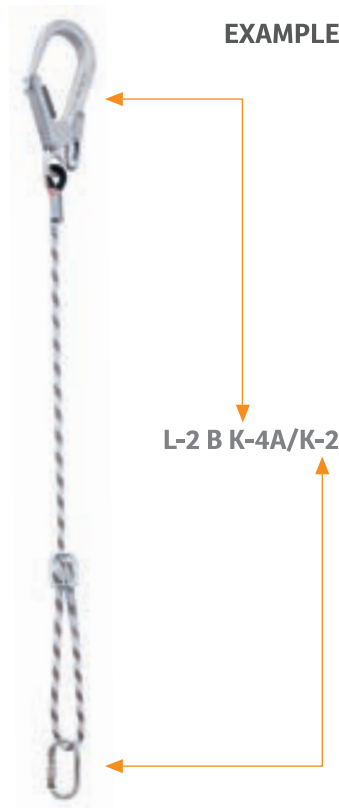
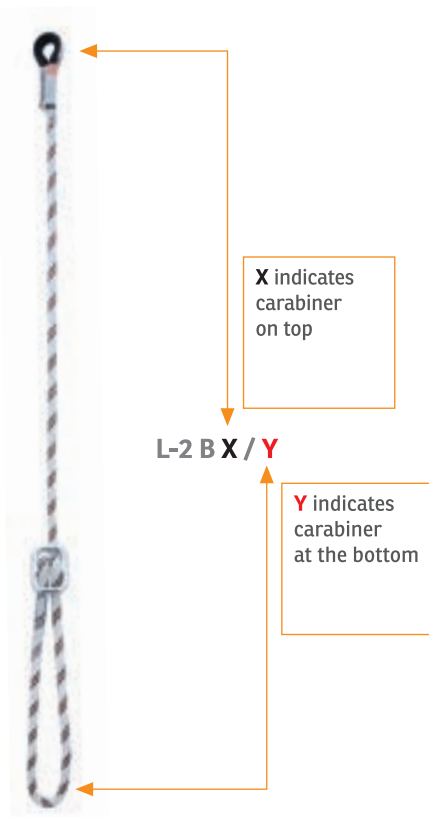
Standard: EN 354, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

SINGLE – LEG ADJUSTABLE BRAIDED ROPE LANYARD



EXAMPLE OF PRODUCT CODING

L-2 B SERIES SINGLE – LEG ADJUSTABLE BRAIDED ROPE LANYARD

- Allows workers to attach to an anchorage point and remain safe during their work
- Can be used as work positioning lanyard thanks to its ability to be adjusted
- Allows workers to attach to an anchorage point and remain safe during their work
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

- **L-2 B K-2/K-2** Bottom: Adjustable loop with K-2 type carabiner
Top : K-2 type carabiner
- **L-2 B K-4A/K-2** Bottom: Adjustable loop with K-2 type carabiner
Top : K-4A type carabiner

Length : 1, 2 & 2 meter

Standard: EN 354, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

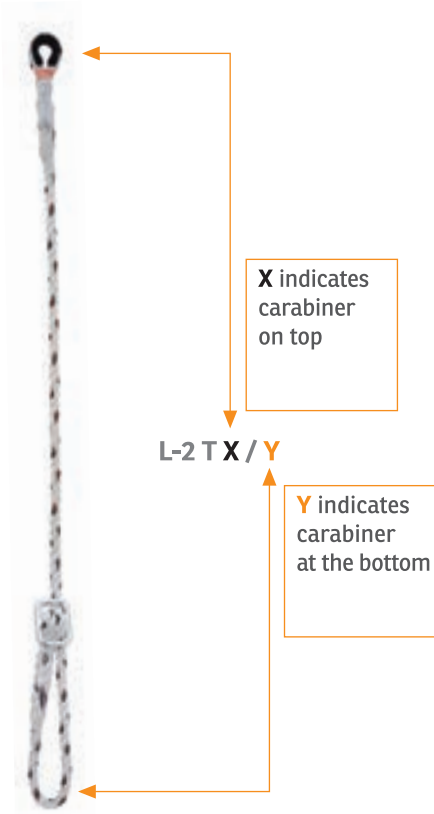
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



L-2 T SERIES
SINGLE – LEG ADJUSTABLE TWISTED ROPE LANYARD

- Made of high tenacity 3 strands twisted rope
- Can be used as work positioning lanyard thanks to its ability to be adjusted
- Allows workers to attach to an anchorage point and remain safe during their work

Models

- L-2 T K-2/K-2 Bottom: Adjustable loop with K-2 type carabiner
 Top : K-2 type carabiner
- L-2 T K-4A/K-2 Bottom: Adjustable loop with K-2 type carabiner
 Top : K-4A type carabiner

Length : 1, 2 & 2 meter
Standard: EN 354, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners



E-7 SHOCK ABSORBER

- Energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Length : 30 cm
Length after complete tearing: 1,5 m
Weight : 230 gr
Standard : EN 355



E-7 K-2/K-2 SHOCK ABSORBER

- Energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn
- Both end with K-2 type carabiner

Length : 46 cm
Length after complete tearing: 1,7 m
Weight : 522 gr
Standard : EN 355, EN 362, EN 12275



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

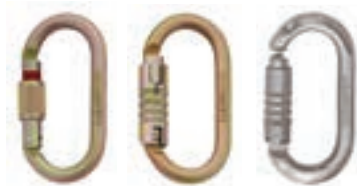
DEFENCE

LIFTING EQUIPMENT





K-2 K-2/2ACP K-2/3ACP



K-30 SL K-30/3A K-25/3A



K-14/SL K-14/2A K-14/3A

STEEL CARABINERS

Oval-shaped carabiners are designed to be used as anchorage connectors for fall arrest, restraint, work positioning, suspension or rescue systems.



K-7/SL K-7/2A K-7/3A



K-9/SL K-9/2A K-9/3A



K-13/SL K-13/2A K-13/3A

ALUMINUM CARABINERS

Aluminum carabiners are designed to be used as connector in safety equipment. Perfect choice for all light-duty applications and for personal use.



K-4/2A K-4A K-4B

WIDE-MOUTHED CARABINERS

Designed for connecting to metallic structural members of large size, as well as large diameter cables and bars.



K-6 K-6 A K-4 KL K-4 SW

DOUBLE SAFETY CARABINERS

Designed for lanyards which are attached to harnesses.



K-8/3A SM-24/SL SM-24/3A K-1 K-1 A

SPECIAL CARABINERS

Designed to be used for special purposes.



K-20 K-21 K-22

QUICKLINK CARABINERS



K-12 K-12 F K-12 E 12 CM K-12 E 17 CM

MOUNTAINEER CARABINERS

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



K-2



K-30/SL



K-14/SL



K-2/2ACP



K-30/3A



K-14/2A



K-2/3ACP



K-25/3A



K-14/3A

K-2 SERIES

OVAL-SHAPED STEEL CARABINER

- Designed for difficult working environments
- Multi-purpose use

Strength : 28 kN (K-2)
25 kN (K-2/2ACP)
25 kN (K-2/3ACP)

Gate Opening: 18 mm (K-2)
15 mm (K-2/2ACP)
16 mm (K-2/3ACP)

Weight : 161 gr (K-2),
215 gr (K-2/2ACP),
187 gr (K-2/3ACP)

Standard : EN 362, EN 12275, UIAA

Models

- K-2 Screw Locking
- K-2/2ACP Double action - auto locking
- K-2/3ACP Triple action - auto locking

K-30 SERIES

OVAL-SHAPED STEEL CARABINER

- Designed for difficult working environments
- Multi-purpose use
- **Keylock** system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)

Strength : 30 kN (K-30 SL, K-30/3A)
25 kN (K-25/3A)

Gate Opening: 17 mm

Weight : 179 gr (K-30 SL),
198 gr (K-30/3A),
198 gr (K-25/3A),

Standard : EN 362, EN 12275

Models

- K-30/SL Screw Locking
- K-30/3A Double action - auto locking
- K-25/3A Triple action - auto locking (Stainless Steel)

K-14 SERIES

LARGE GATE OPENING STEEL CARABINER

- Designed for difficult working environments
- Large size and opening to allow easy anchoring of several ropes and slings
- **Keylock** system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)

Strength : 50 kN

Gate Opening: 22 mm

Weight : 210 gr (K-14/SL),
216 gr (K-14/2A),
218 gr (K-14/3A)

Standard : EN 362

Models

- K-14/SL Screw Locking
- K-14/2A Double action - auto locking
- K-14/3A Triple action - auto locking



K-7/S�



K-9/S�



K-13/S�



K-7/2A



K-9/2A



K-13/2A



K-7/3A



K-9/3A



K-13/3A

K-7 SERIES OVAL - SHAPED ALUMINUM CARABINER

- Multi-purpose use.
- **Keylock** system prevents snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)

Strength : 25 kN
Gate Opening: 19 mm
Weight : 75 gr (K-7/S�),
 79 gr (K-7/2A),
 81 gr (K-7/3A)
Standard : EN 362, EN 12275

Models

- K-7/S� Screw Locking
- K-7/2A Double action - auto locking
- K-7/3A Triple action - auto locking

K-9 SERIES LARGE GATE OPENING ALUMINUM CARABINER

- Large size and opening to allow easy anchoring of several ropes and slings
- **Keylock** system prevents snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)

Strength : 24 kN
Gate Opening: 23 mm
Weight : 86 gr (K-9/S�),
 94 gr (K-9/2A),
 95 gr (K-9/3A)
Standard : EN 362, EN 12275

Models

- K-9/S� Screw Locking
- K-9/2A Double action - auto locking
- K-9/3A Triple action - auto locking

K-13 SERIES ASYMMETRICAL ALUMINUM CARABINER

- Specially adapted for attaching equipment
- Excellent strength-to-weight ratio
- **Keylock** system prevents snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)

Strength : 22 kN
Gate Opening: 21 mm
Weight : 82 gr (K-13/S�),
 86 gr (K-13/2A),
 87 gr (K-13/3A)
Standard : EN 362, EN 12275

Models

- K-13/S� Screw Locking
- K-13/2A Double action - auto locking
- K-13/3A Triple action - auto locking

HARNESSES

LANYARDS AND
SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL
ARRESTERS

RETRACTABLE
FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND
CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND
ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL
LIFELINE

DEFENCE

LIFTING
EQUIPMENT



K-6



K-4B



K-4/2A



K-6A



K-4A

K-4/2A
ALUMINUM WIDE-MOUTHED
DOUBLE SAFETY CARABINER

- Large size and wide gate opening facilitate use on large metallic structures
- Double locking

Strength : 23 kN
Gate Opening: 58 mm
Weight : 243 gr
Standard : EN 362

K-6 SERIES
DOUBLE SAFETY CARABINER

Strength : 25 kN
Gate Opening: 18 mm
Material : Zinc-plated steel
Weight : 245 gr (K-6), 152 gr (K-6A)
Standard : EN 362

- Models**
- K-6 (Steel, Gate Opening 18 mm)
 - K-6 A (Aluminum, Gate Opening 20 mm)

K-4 SERIES
WIDE-MOUTHED
DOUBLE ACTION CARABINER

- Large size and wide gate opening facilitate use on large metallic structures
- Double locking

Strength : 22 kN
Weight : 490 gr (K-4A), 900 gr (K-4B)
Standard: EN 362

- Models**
- K-4 B (Gate opening 110 mm)
 - K-4 A (Gate opening 63 mm)



K-4/KL



K-1



F-4



K-4/SW



K-1 A

K-4 KL
DOUBLE SAFETY
ALUMINUM CARABINER

Strength : 30 kN
Gate Opening: 25 mm
Material : Aluminum
Weight : 127 gr
Standard : EN 362

K-4 SW
SWIVEL CAPTIVE EYE
ALUMINUM CARABINER

- Double Safety

Strength : 28 kN
Gate Opening: 25 mm
Material : Aluminum
Weight : 183 gr
Standard : EN 362

K-1 SERIES
CAPTIVE EYE
ALUMINUM CARABINER

Strength : 23 kN
Gate Opening: 20 mm
Material : Aluminum
Weight : 169 gr (K-1),
 245 gr (K-1A)
Standard : EN 362

Models

- K-1 (Screw Locking, Gate Opening 23 mm)
- K-1 A (Double action - auto locking, Gate Opening 20 mm)

F-4 SERIES
SPECIAL ANCHORAGE
CARABINER

- Ideal for creating safe anchorage point

Strength: 23 kN
Material: Stainless Steel
Weight : 346 gr

Models

- F-4 (Gate Opening 105 mm)
- F-4 A (Gate Opening 140 mm)

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

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RESCUE DEVICES

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BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



K-8

K-8
LARGE GATE
ALUMINUM CARABINER

- Large size and opening to allow easy anchoring of several ropes and slings
- **Keylock** system prevents snagging of the carabiner during maneuvers
- Mostly preferred by Firefighters, Search and Rescue Team, Civil Defense, Medical Rescue

Strength : 22 kN
Gate Opening: 42 mm
Weight : 87 gr
Standard : EN 362, EN 12275, UIAA



SC-24/SL



SC-24/3A

SC-24 SERIES
SEMI-CIRCLE
ALUMINUM CARABINER

- Due to its semi-circle shape multiple equipment can be connected at once
- **Keylock** system prevents snagging of the carabiner during maneuvers
- Can be used as chest connection and anchorage point in P-451 and J-45 series harnesses

Strength : 22 kN
Gate Opening: 19 mm
Weight : 93 gr (SC-24/SL),
 98 gr (SC-24/3A)
Standard : EN 362, EN 12275, UIAA

- Models**
- SC-24/SL (Screw Locking)
 - SC-24/3A (Triple action - auto locking)



K-20



K-21



K-22

K-20
OVAL-SHAPED STEEL QUICKLINK

- Screw Locking

Strength : 30 kN
Weight : 73 gr
Standard: EN 362, EN 12275

K-21
TRIANGLE-SHAPED
STEEL QUICKLINK

- Screw Locking

Strength : 25 kN
Weight : 87 gr
Standartd: EN 362, EN 12275

K-22
SEMI-CIRCLE STEEL QUICKLINK

Strength: 30 kN
Weight : 152 gr



K-12



K-12 F



K-12 E 12 CM

K-12 E 17 CM

K-12 SERIES ALUMINUM MOUNTAINEER CARABINERS

- Used for outdoor climbing
- **Keylock** system prevents snagging of the carabiner during maneuvers
- H-shaped cross section offers an improved strength/weight ratio

Strength : 26 kN
Weight : 51 gr
Standard: EN 362, EN 12275 UIAA

Models

- **K-12** (Bent-Gate, Gate Opening 25 mm)
- **K-12 F** (Straight-Gate, Gate Opening 21 mm)

K-12 E QUICK DRAW CARABINER

- Joined by Dyneema dogbone
- Ideal for climbing
- Straight-Gate and Bent-Gate carabiner

Strength : 26 kN
Weight : 115 gr (K-12 E 17 cm), 109 gr (K-12 E 12 cm)
Standard: EN 12275, EN 362, EN 566

Models

- **K-12 E** (12 cm Dyneema dogbone)
- **K-12 E** (17 cm Dyneema dogbone)

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



WRONG



WRONG



CORRECT



WRONG



WRONG



CORRECT



WRONG



WRONG



CORRECT

IMAGE	MATERIAL	TYPE	PRODUCT NAME	LOCKING TYPE	STANDARD	GATE OPENING	STRENGTH			WEIGHT
							VERTICAL AXIS	HORIZONTAL AXIS	WHEN GATE OPENED	
	HIGH TENACITY STEEL	OVAL-SHAPED	K-2	SCREW	EN 362, EN 12275	18 MM	28 KN	12 KN	8 KN	161 GR
			K-2/2ACP	DOUBLE ACTION	EN 362, EN 12275	15 MM	25 KN	16 KN	8 KN	215 GR
			K-2/3ACP	TRIPLE ACTION	EN 362, EN 12275	16 MM	25 KN	16 KN	9 KN	187 GR
			K-30/SL	SCREW	EN 362, EN 12275	17 MM	30 KN	16 KN	8 KN	179 GR
			K-30/3A	TRIPLE ACTION	EN 362, EN 12275	17 MM	30 KN	16 KN	8 KN	198 GR
	STAINLESS STEEL		K-25/3A	TRIPLE ACTION	EN 362, EN 12275	17 MM	25 KN	7 KN	7 KN	198 GR
	CARBON STEEL	PEAR-SHAPED	K-14/SL	SCREW	EN 362, EN 12275	22 MM	50 KN	7 KN	7 KN	210 GR
			K-14/2A	DOUBLE ACTION	EN 362, EN 12275	22 MM	50 KN	7 KN	7 KN	216 GR
			K-14/3A	TRIPLE ACTION	EN 362, EN 12275	21 MM	50 KN	7 KN	7 KN	218 GR
	ALUMINUM	OVAL-SHAPED	K-7/SL	SCREW	EN 362, EN 12275	19 MM	23 KN	7 KN	7 KN	75 GR
			K-7/2A	DOUBLE ACTION	EN 362, EN 12275	19 MM	23 KN	7 KN	7 KN	79 GR
			K-7/3A	TRIPLE ACTION	EN 362, EN 12275	19 MM	23 KN	7 KN	7 KN	81 GR
		PEAR-SHAPED	K-9/SL	SCREW	EN 362, EN 12275	24 MM	24 KN	7 KN	7 KN	86 GR
			K-9/2A	DOUBLE ACTION	EN 362, EN 12275	23 MM	24 KN	7 KN	7 KN	94 GR
			K-9/3A	TRIPLE ACTION	EN 362, EN 12275	23 MM	24 KN	7 KN	7 KN	95 GR
		D-SHAPED	K-13/SL	SCREW	EN 362, EN 12275	21 MM	22 KN	7 KN	7 KN	82 GR
			K-13/2A	DOUBLE ACTION	EN 362, EN 12275	21 MM	22 KN	7 KN	7 KN	86 GR
			K-13/3A	TRIPLE ACTION	EN 362, EN 12275	21 MM	22 KN	7 KN	7 KN	87 GR
		PEAR-SHAPED	K-8/3A	TRIPLE ACTION	EN 362, EN 12275	26 MM	22 KN	10 KN	8 KN	87 GR
	STEEL	WIDE-MOUTHED	K-4	DOUBLE SAFETY	EN 362	56 MM	20 KN	-----	15 KN	504 GR
	ALUMINUM		K-4 A		EN 362	63 MM	22 KN	-----	15 KN	490 GR
			K-4 B		EN 362	110 MM	22 KN	-----	15 KN	900 GR
	STEEL	SMALL-MOUTHED	K-6	DOUBLE SAFETY	EN 362	18 MM	25 KN	-----	-----	245 GR
	ALUMINUM	WIDE-MOUTHED	K-6 A		EN 362	20 MM	25 KN	-----	-----	152 GR
K-4/KL			EN 362	25 MM	30 KN	-----	-----	127 GR		
K-4/SW		DOUBLE SAFETY	EN 362	25 MM	28 KN	-----	-----	183 GR		
HALF MOON		SCREW	EN 362, EN 12275	19 MM	20 KN	13 KN	7 KN	93 GR		
HALF MOON		TRIPLE ACTION	EN 362, EN 12275	19 MM	20 KN	13 KN	7 KN	98 GR		
CAPTIVE EYE		K-1	SCREW	EN 362	20 MM	23 KN	-----	-----	169 GR	
	K-1 A	DOUBLE ACTION	EN 362	20 MM	23 KN	-----	-----	245 GR		
	STAINLESS STEEL	OVAL-SHAPED	K-20	QUICK LINK	EN 362, EN 12275	9,5 MM	30 KN	-----	10 KN	73 GR
		DELTA	K-21	QUICK LINK	EN 362, EN 12275	9,5 MM	25 KN	-----	10 KN	87 GR
		HALF MOON	K-22	QUICK LINK	-----	11 MM	----	-----	-----	152 GR
	ALUMINUM	MOUNTAINEER	K-12	SPRING-LOADED	EN 362, EN 12275	25 MM	26 KN	8 KN	9 KN	51 GR
			K-12 F	SPRING-LOADED	EN 362, EN 12275	21 MM	26 KN	8 KN	9 KN	51 GR





R-ALF

RESCUE HAULER PULLEY

The R-ALF Pulley is the latest innovation in Rescue, Confined Space working and Work Suspension Systems.

The R-ALF Pulley has an over-speed brake built in so that the Pulley will lock on and hold when a fall occurs.



RP-702



RP-703

CAPTURE PULLEY

One-way locking bearings are ideal for lifting and lowering. The wheel is locked in one direction, to create maximum friction when lowering/releasing. In the opposite direction the wheel runs freely, for minimum friction for lifting/hauling/tensioning.



RP-012



RP-030



P-1



P-3



P-4



P-5

HIGH STRENGTH ALUMINUM PULLEYS

Versatile pulley with high strength designed for a variety of uses. Except P-3, all are suitable for prusik knot.



P-11



P-12



P-13



P-14

STAINLESS STEEL HIGH STRENGTH PULLEYS

Stainless Steel sheaves for excellent durability. Self - Lubricating bushings thanks to the sealed ball bearing system.



P-8 B



DUO-35



DUO-50



RP-075



RP-076

TRANSPORT PULLEYS

Double pulley allow longer movement along rope or cable. Easy installation. Designed for Tyrolean traverses on cable or rope. These pulleys have fixed side plates and ensure perfect stability with their two aligned sheaves.

TANDEM PULLEYS

The design of these mid-sized trolleys uses state of the art engineering techniques to ensure that the Trolley will run and run! The Zipspeed Tandems are fitted with rubber sealed, deep groove bearings for optimal performance and a lifespan of several thousand miles/km. The side plates are made from Aerospace Grade 7075 Aluminium, to minimise flex.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

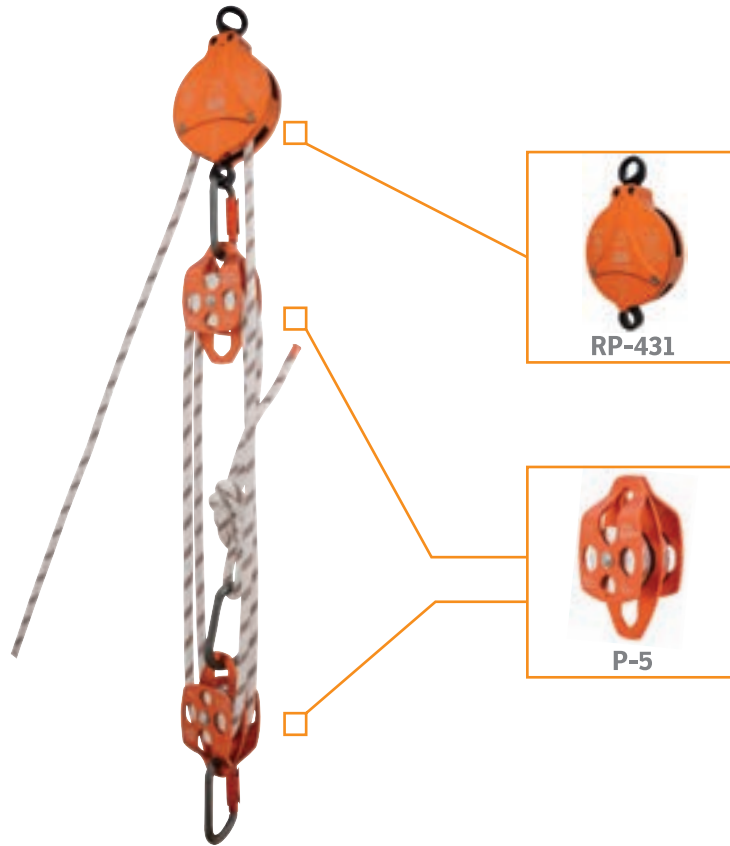
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



RP-431 R-ALF PULLEY

RESCUE HAULER PULLEY- 2 WAY AUTO LOCKING

- The R-ALF Pulley is the latest innovation in Rescue, Confined Space and Work Suspension Systems
- The R-ALF Pulley has an over-speed brake built in so that the pulley will lock on and hold when a fall occurs
- The load rated Becket Eye on the R-ALF means that it can be used in combination with Prussik Pulleys to create a 3 : 1 or 5 : 1 Mechanical Advantage System
- Minimum 12 monthly service intervals apply

Strength	: 40 kN
Body Material	: Aluminum
Rope Diameter Range:	Approved 11mm EN1891-A Ropes Only.
Weight	: 1.200 gr
Standard	: EN 12278, ANSI Z359: 4: 2007



RP-702
SINGLE PROGRESS
CAPTURE PULLEY

- Has a rotary surface on one side while other surface stays constant
- The RP702 has a Bushed, standard free running wheel (non-locking)

Strength : 20 x 2 = 40 kN
Safe Working Load : 800 kg
Material : Aluminum
Rope Dia: Max. Ø 16 mm
Weight : 664 gr
Standard: EN 12278, NFPA 1983



RP-703
DOUBLE PROGRESS
CAPTURE PULLEY

- Has a rotary side plate on one side while other side plate stays constant
- The RP703 has Bushed, standard free running wheels (non-locking)

Strength: 20 x 2 = 40 kN
Safe Working Load : 800 kg
Material: Aluminum
Rope Dia: Max. Ø 10-13 mm
Weight : 908 gr
Standard: EN 12278, NFPA 1983



RP-012
SMALL SINGLE
PULLEY

- Lightweight, compact pulley
- Has a rotating side plates
- Designed for use with a Prusik friction hitch to build a light progress capture system. The shape of the side plates allows the knot to be released when it comes against the pulley

Strength : 18 x 2 = 36 kN
Material : Aluminum
Rope Dia : Max. Ø 13 mm
Weight : 87 gr
Standard: EN 12278



RP-030
SMALL DOUBLE
PULLEY

- Lightweight Eiger Pulleys are made from high strength Aluminum and fitted with tamper-proof rivets
- Has a rotating side plates
- Designed for use with a Prusik friction hitch to build a light progress capture system. The shape of the side plates allows the knot to be released when it comes against the pulley

Strength : 18 x 2 = 36 kN
Material : Aluminum
Rope Dia : Max. Ø 16 mm
Weight : 163 gr
Standard: EN 12278

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



P-1
MOBILE SMALL
PULLEY

- Extremely lightweight and ultra-compact pulley
- Has a rotating side plates
- Special side plates designed for use with a Prusik friction hitch in progress capture systems

Strength : 12 x 2 = 24 kN
Material : Aluminum
Rope Dia : Max. Ø 11 mm
Weight : 120 gr
Standard: EN 12278



P-3
SINGLE ALUMINUM
PULLEY

- Fixed side plates allow quick installation and coupling with a rope clamp
- Designed for hauling systems and deviations
- It is necessary to grease and self-service it

Strength : 10 x 2 = 20 kN
Material : Aluminum
Rope Dia : Max. Ø 13 mm
Weight : 96 gr
Standard: EN 12278



P-4
BIG SINGLE ALUMINUM
PULLEY

- Lightweight, high performance pulley adapted for intensive use
- Has a rotating side plates
- Special side plates designed for use with a Prusik friction hitch in progress capture systems

Strength : 15 x 2 = 30 kN
Material : Aluminum
Rope Dia : Max. Ø 16 mm
Weight : 267 gr
Standard: EN 12278



P-5
BIG DOUBLE ALUMINUM
PULLEY

- Has a rotating side plates
- High performance pulley adapted for intensive use
- Special side plates designed for use with a Prusik friction hitch in progress capture systems

Strength : 15 x 2 = 30 kN
Material : Aluminum
Rope Dia : Max. Ø 16 mm
Weight : 460 gr
Standard: EN 12278



P-11
SINGLE SHEAVE
STAINLESS STEEL
PULLEY

- Sheave mounted on sealed ball bearings for excellent efficiency
- Has a rotating side plates.
- Stainless steel sheaves for excellent durability
- Ideal for hauling up equipment

Strength : 25 x 2 = 50 kN
Material : 316 SS
Rope Dia : Max. Ø 16 mm
Weight : 540 gr
Standard: EN 12278



P-12
DOUBLE SHEAVE
STAINLESS STEEL
PULLEY

- Sheave mounted on sealed ball bearings for excellent efficiency
- Has a rotating side plates
- Ideal for hauling up equipment

Strength : 25 x 2 = 50 kN
Material : 316 SS
Rope Dia : Max. Ø 16 mm
Weight : 1092 gr
Standard: EN 12278



P-13
TRIPLE SHEAVE
STAINLESS STEEL
PULLEY

- Sheave mounted on sealed ball bearings for excellent efficiency
- Has a rotating side plates
- Ideal for hauling up equipment

Strength : 25 x 2 = 50 kN
Material : 316 SS
Rope Dia : Max. Ø 16 mm
Weight : 1785 gr
Standard: EN 12278



P-14
QUAD SHEAVE
STAINLESS STEEL
PULLEY

- Sheave mounted on sealed ball bearings for excellent efficiency
- Has a rotating side plates
- Ideal for hauling up equipment

Strength : 25 x 2 = 50 kN
Material : 316 SS
Rope Dia : Max. Ø 16 mm
Weight : 2125 gr
Standard: EN 12278

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



P-8B
TANDEM PULLEY

- Aluminum sheaves mounted on self-lubricating bushings for efficiency
- Tandem pulleys sheave mounted on sealed ball bearings for excellent efficiency

Strength : 12 x 2 = 24 kN
Body Material : Aluminum
Pulley Material: Stainless Steel
Rope Dia : Max. Ø 13 mm
Weight : 270 gr
Standard : EN 12278



DUO-35
STEEL TANDEM PULLEY

- Stainless steel sheaves for excellent durability
- Can be used speed up to 25 m/s
- Tandem pulleys sheave mounted on sealed ball bearings for excellent efficiency

Strength : 15 x 2 = 30 kN
Body Material : Aluminum
Pulley Material: Stainless Steel (316)
Rope Dia : Max. Ø 13 mm
Weight : 457 gr
Standard : EN 12278



DUO-50
STEEL TANDEM PULLEY

- Stainless steel sheaves for excellent durability
- Can be used speed up to 25 m/s
- Tandem pulleys sheave mounted on sealed ball bearings for excellent efficiency

Strength : 25 x 2 = 50 kN
Body Material : Stainless Steel (316)
Pulley Material: Stainless Steel (316)
Rope Dia : Max. Ø 13 mm
Weight : 1750 gr
Standard : EN 12278



RP-075

ZIPLINE TANDEM PULLEY 50mm (2") WHEEL DIAMETER

- The Zipspeed Tandems are fitted with rubber sealed, deep groove bearings for optimal performance and a lifespan of several thousand miles/km
- The side plates are made from Aerospace Grade 7075 Aluminum, to minimise flex
- There are extra attachment holes for a secondary lanyard and a small central hole which can be used to fit an accessory

Strength : 12 x 2 = 24 kN
Pulley Dia : 50 mm
Body Material : Aluminum
Pulley Material: Stainless Steel (316)
Rope Size : Max. Ø 13, 16, 20 mm
Weight : 875 gr
Standard : EN 12278

RP-076

ZIPLINE TANDEM PULLEY 75mm / (3") WHEEL DIAMETER

- The Zipspeed Tandems are fitted with rubber sealed, deep groove bearings for optimal performance and a lifespan of several thousand miles/km
- The side plates are made from Aerospace Grade 7075 Aluminum, to minimise flex
- There are extra attachment holes for a secondary lanyard and a small central hole which can be used to fit an accessory

Strength : 40 kN
Pulley Dia : 75 mm
Body Material : Aluminum
Pulley Material: Stainless Steel (316)
Rope Size : Max. Ø 13, 16, 20 mm
Weight : 1793 gr
Standard : EN 12278

CODE	TYPE	PIM COLOR	WEIGHT	STRENGTH (MBS)
50 mm PULLEYS				
RP-075A	13 mm	Grey	876 gr	40 kN
RP-075B	16 mm	Orange	874 gr	40 kN
RP-075C	20 mm	Green	875 gr	40 kN
75 mm PULLEYS				
RP-076A	13 mm	Grey	1.796 gr	40 kN
RP-076B	16 mm	Orange	1.794 gr	40 kN
RP-076C	20 mm	Green	1.789 gr	40 kN



Pim Color

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





(UMP)
UNIVERSAL MOUNTING PLATE

The UMP kit provides the user with a lightweight, CE certified, portable winch mounted to a robust adaptor plate. Weighing only 7 kg (15.4 lb) with a 1/2 ton working load limit, the 2-speed winch magnifies operator pulling power by up to 40 times. The multiple mounting options provide versatility when working in difficult or remote environments.

- Sculpted to remove excess weight and provide multiple attachment points, while maintaining strength. The pig-tail line lead ensures correct alignment and loading of the winch for maximum efficiency
- Harken's aluminum Radial Line® 40.2 winch features 17-4 PH stainless steel load-carrying gears and pins for strength and durability. The unique drum design ensures maximum grip on the rope
- The winch is designed for use with fiber rope up to 12 mm (1/2") in diameter, reducing weight and allowing alignment to the load. Smooth surfaces and chafe-free design are sympathetic to fiber rope
- For use with multiple attachments depending on the environment and industry—from ratchet straps, M10 bolts, karabiners, to scaffold clamps

Standards: CE certified under EN 13157 (Machinery Directive) with a maximum working load of 500 kg (1102.3 lb) and a breaking load of 2500 kg (5511.6 lb)

Simple to use and ideal for diverse applications

- Utility masts
- Telecoms
- Marine
- Wind turbine transition piece davits
- Stage and theater rigging
- Confined space
- Construction
- Access and rescue

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

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RESCUE DEVICES

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SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



SNATCH PULLEY

THE IDEAL PULLEY FOR ENDLESS ROPE OPERATION

- The Harken Snatch pulley features a low-friction roller/ball bearing sheave and a unique push-button latch, making it the ideal workhorse for temporary rigging. The opening side plates and simple operation make these compact pulleys extremely versatile, allowing them to be quickly fastened wherever needed. They are ideal for endless rope applications, working at height, and confined-space rigging operations
- The Utility Snatch pulley can be used for deviation when you have an offset anchor point, creating an angled, single-rope pull. Ergonomic in construction, this lightweight, versatile pulley has many applications
- Designed for use in the most testing environments, the pulley is durable and robust. The simple construction requires no lubrication. To clean, simply flush with fresh water
- The push-button latch is ideal for one-handed operation; a necessity for working at height
- The opening side allows rope to be inserted or removed with minimal fuss and no reeving

Standard : CE certified to EN13157 (Machinery Directive).
Max Working Load : 500 kg (1102.3 lb)
Breaking Load : 2500 kg (5511.5 lb)
Weight : 0.5 kg (1.1lb)
Rope Diameter Size: 8 – 16 mm (0.3 – 0.6 in)



ASSISTING PULLEY SYSTEM

THE LIGHTEST, MOST COMPACT, FULLY-TESTED, AND CERTIFIED 6:1 SYSTEM ON THE MARKET

- The Harken Load Assist system increases strength by six, making light work of load handling. Easily rigged to an existing system, the operator can set up a deviation, or transfer a casualty at height from the working rope to the rescue rope
- The Harken Load Assist system is used by emergency services and rescue personnel in assisting the transfer of loads and individuals from working ropes to alternates. The system can also be used to transfer loads in deviation, as well as taking the load when lifting inanimate objects
- The system is easy to maintain. To clean, simply flush pulleys with fresh water. As with all equipment, regular checks should be made to ensure the system is in good working order
- The Delrin® bearings provide low-friction, quick-and-easy rope release under load. Bearings are UV-stabilized for maximum protection
- Harken ball bearing cam cleats hold rope securely and release instantly under load. Multiple rows of ball bearings reduce friction. The cam's V-shape guides the rope for easy entry
- The X-treme Angle Fairlead allows the rope to be released and reloaded at angles up to 90° to the cleat. The stainless steel loop provides a low-friction turning post
- The system uses an 8-meter length of 5 mm polyester rope. The woven 8-plait cover provides UV and abrasion protection. The polyester core keeps the rope compact and dimensionally stable



















Standard : CE certified to EN13157 (Machinery Directive).

Product Type

443.231 – 6:1 SYSTEM
Max Working Load: 150 kg
Breaking Load : 600 kg

Product Type

443.2624 – 4:1 SYSTEM
Max Working Load: 202 kg
Breaking Load : 1020 kg

IMAGE	PRODUCT CODE	STANDARD	ROPE DIA	BALL BEARING	WORKING STRENGTH	BREAKING STRENGTH	WEIGHT
	R-ALF	EN 12841	Ø 11 mm		250 kg	20 kN x 2= 40 kN	1.200 gr
	RP-702	EN 12278 NFPA 1983	Ø 10 mm - 13 mm	No	4 kN x 2= 8 kN	20 kN x 2= 40 kN	800 gr
	RP-703	EN 12278 NFPA 1983	Max. Ø 16 mm	No	4 kN x 2= 8 kN	20 kN x 2= 40 kN	908 gr
	RP-012	EN 12278	Max. Ø 13 mm	No	3 kN x 2 = 6 kN	18 kN x 2 = 36 kN	87 gr
	RP-030	EN 12278	Max. Ø 16 mm	No	2x3 kN x 2 = 12 kN	18 kN x 2 = 36 kN	163 gr
	P-1	EN 12278	Max. Ø 11 mm	No	2 kN x 2 = 4 kN	12 kN x 2 = 24 kN	120 gr
	P-3	EN 12278	Max. Ø 13 mm	No	2 kN x 2 = 4 kN	10 kN x 2 = 20 kN	96 gr
	P-4	EN 12278	Max. Ø 16 mm	No	3 kN x 2 = 6 kN	10 kN x 2 = 20 kN	267 gr
	P-5	EN 12278	Max. Ø 16 mm	No	2x3 kN x 2 = 12 kN	15 kN x 2 = 30 kN	460 gr
	P-11	EN 12278	Max. Ø 16 mm	Yes	5 kN x 2 = 10 kN	25 kN x 2 = 50 kN	540 gr
	P-12	EN 12278	Max. Ø 16 mm	Yes	2x5 kN x 2 = 20 kN	25 kN x 2 = 50 kN	1.092 gr
	P-13	EN 12278	Max. Ø 16 mm	Yes	3x5 kN x 2 = 30 kN	25 kN x 2 = 50 kN	1.785 gr
	P-14	EN 12278	Max. Ø 16 mm	Yes	4x5 kN x 2 = 40 kN	25 kN x 2 = 50 kN	2.125 gr
	P-8 B	EN 12278	Max. Ø 13 mm	Yes	10 kN	12 kN x 2 = 24 kN	270 gr
	DUO-35	EN 12278	Max. Ø 13 mm	Yes	10 kN	15 kN x 2 = 30 kN	457 gr
	DUO-50	EN 12278	Max. Ø 16 mm	Yes	10 kN	25 kN x 2 = 50 kN	1.750 gr
	RP-075	EN 12278	Ø 13, 16, 20 mm	Yes	10 kN	40 kN	875 gr
	RP-076	EN 12278	Ø 13, 16, 20 mm	Yes	10 kN	40 kN	1.793 gr





F-6



F-7



F-9



F-9 D

ANCHORAGE SLINGS

Slings are designed to form anchor points around suitable structures such as steel work where carabiner gates are not large enough to attach around the large sections.

EXPRESS BAND

During the mountain climbing, express bands can provide additional Safety when sling attached to carabiner.



D-01

DOOR ANCHOR

Door anchor is designed to install without compromising the structure in any way. There is no drilling or welding required, you simply compress the device between the vertical sides of the door or window and tighten.



W-01 E



W-01 D



F-20 A



F-20 AP



ABL-M16 L (LEFT)



ABS-M16 R (RIGHT)

WALL ANCHORS

Designed for creating safe connecting point where it is difficult to find anchor point on the wall, pillar and joist.

BOLT ANCHOR

Designed for creating easy and safe connecting point for climbing up mesh type pole.



MAP-3

MAP-5

MAP-8



SW-10B

RIGGING PLATE

Designed for creating multiple anchor systems.

SWIVEL

Prevents the rope from twisting when the load is turning.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



F-6
ENDLESS TUBULAR SLING

- Used to create safe anchoring point for working at height
- 20 mm polyester tubular webbing
- UV and dust resistant bonded type high tenacity sewing thread (different color than webbing)

Strength : 23 kN
Length : 50 cm, 100 cm, 150 cm, 200 cm
Standard: EN 795/B:2012, EN 566:2006



F-7
ANCHORAGE SLING

- Used to create safe anchoring point for working at height
- 50 mm width and 3 mm thick polyester webbing
- 2 x S304 quality stainless steel D rings
- UV and dust resistant bonded type high tenacity sewing thread (different color than webbing)

Strength : 23 kN
Length : 50 cm, 100 cm, 150 cm, 200 cm
Standard: EN 795/B:2012, EN 354:2010



F-9
EXPRESS BAND

- Used to create safe anchoring point for working at height
- 20 mm tubular webbing
- UV and dust resistant bonded type high tenacity sewing thread (different color than webbing)

Strength : 23 kN
Length : 12 cm, 17 cm, 22 cm
Standard: EN 795/B:2012, EN 354:2010

F-9 D
EXPRESS BAND DYNEEMA

- Used to create safe anchoring point for working at height
- 20 mm dyneema tubular webbing
- UV and dust resistant bonded type high tenacity sewing thread (different color than webbing)

Strength : 23 kN
Length : 12 cm, 17 cm, 22 cm
Standard: EN 795/B:2012, EN 354:2010



D-01
DOOR ANCHOR

- Designed for creating safe connecting point where it is difficult to find anchor point on the wall, pillar and joist
- Corrosion-resistant
- Adjustable in accordance with sizes of the door frames

Loading capacity: 23 kN
Weight : 8.900 gr
Standard : EN 795/B:2012



W-01 E



W-01 D

W-01
WALL ANCHORS

- Designed for creating safe connecting point where it is difficult to find anchor point on the wall, pillar and joist
- Rust resistant
- Doesn't cause any visual pollution at living areas
- Consist of male & female parts only
- Made of 316 grade stainless steel material

Loading capacity: 23 kN
Weight : 375 gr
Standard : EN 795 A

Product types

- W-01 Wall Anchor
- W-01 D Wall anchor female component
- W-01 E Wall anchor male component



F-20 A



F-20 AP

F-20 A
BOLT HANGER

Material : Stainless steel
Diameter: 10-12 mm
Strength : 30 kN
Weight : 40-45 gr
Standard: EN 795 A

F-20 AP
BOLT HANGER SET

Material : Stainless steel
Diameter: 10-12 mm
Strength : 30 kN
Weight : 95 gr
Standard: EN 795 A

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

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VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



ABL-M16 L (LEFT)

ABL-M16 R (RIGHT)

ABS-M16 L (LEFT)

ABS-M16 R (RIGHT)

ABL-M16 **BOLT ANCHOR**

- Designed for creating easy and safe connecting point for climbing up mesh type pole
- Suitable to use with M16 & M20 bolts
- Simple installation to M16 & M20 bolts. Loosen the nut on the tip of the bolt, place the anchorage plate on than tighten back the nut to complete the installation
- Made of 316 grade stainless steel material
- Available in two types as left and right

Streight : 24 kN
Weight : 159 gr
Standard: EN 795

Product types

- **ABL-M16 L** (use with 16mm bolt)
- **ABL-M20 L** (use with 20mm bolt)
- **ABL-M16 R** (use with 16mm bolt)
- **ABL-M20 R** (use with 20mm bolt)

ABS-M16 **BOLT ANCHOR**

- Designed for creating easy and safe connecting point for climbing up mesh type pole
- Suitable to use with M16 & M20 bolts
- Simple installation to M16 & M20 bolts. Loosen the nut on the tip of the bolt, place the anchorage plate on than tighten back the nut to complete the installation
- Made of 316 grade stainless steel material
- Available in two types as left and right

Streight : 24 kN
Weight : 141 gr
Standard: EN 795

Product types

- **ABS-M16 L** (use with 16mm bolt)
- **ABS-M20 L** (use with 20mm bolt)
- **ABS-M16 R** (use with 16mm bolt)
- **ABS-M20 R** (use with 20mm bolt)





MAP-3



MAP-5



MAP-8



MAP RIGGING PLATE

- Easy to create multiple anchor systems
- Large holes allow the locking sleeves of most carabiners to pass through
- Made of excellent strength Aluminum

Strength : 36 kN

Weight : 3 gr (MAP-3)
: 5 gr (MAP-5)
: 8 gr (MAP-8)

Standard: EN 795/B:2012

Product Types

- **MAP-3** Multiple anchora plate (3 holes)
- **MAP-5** Multiple anchora plate (5 holes)
- **MAP-8** Multiple anchora plate (8 holes)

SW-10 B SWIVEL

- Prevents the rope from twisting when the load is turning
- Excellent reliability due to maintenance- free sealed ball- bearings
- 2 connectors can be attached to the ends

Weight: 91 gr

CT101 PROFILE SKIDDER ANCHORAGE

- Designed for creating easy and safe connecting point by skidding through joists
- Light weight due to Aluminum housing
- Adjustable joist holders allow it to attach on 176-306 mm wide profiles
- Easy to adjust and install

Anchora point : Stainless Steel D- ring

User count : 1 person

Body Material : Aluminum

Body Color : Silver

(MBS) Minimum: 22 KN

Joist size : 76 mm – 306 mm

Joist thickness : Maximum 31 mm

Weigth : 1.500 gr

Standard : EN 795 B ANSI

Z359.1-2007,

ANSI Z359.1-2011,

OSHA 1926.502







A-1 L

A-1 R

A-2

SE-15

SE-30

SE-1

SE-2

ASCENDERS

Ascenders are used for ascending on a rope. They are very fast and easy to use. Adjustable Foot Loops can be used with handled ascenders or rope grabs to build a rope ascending system.



A-260

CLIMBING IRON

Designed for climbing and working on wooden masts and wooden poles



DSL-45



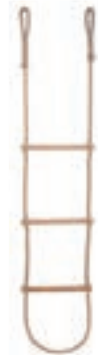
FL-500



RL-41A



RL-41



RL-40

ROPE LADDERS

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

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VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



A-1L

A-1R



A-1 JUMAR

- It is used for ascending on a rope
- Aluminum alloy material
- Top captive eyes are to be used with pulleys or rope grabs
- Lower captive eye is to be used with webbing ladder
- Outer coating is for comfortable hand grip

Rope Diameter: Ø 8 -13 mm
Weight : 238 gr
Standard : EN 567, UIAA

Models

- A-1 L : It is for left hand (Orange)
A-1 R: It is for right hand (Blue)

A-2 CHEST ASCENDER

- Ideal for use in rope access work
- Compact & lightweight
- Catch mechanism allows for ease one-handed operation of the device whilst attaching to or removing from the rope
- Aluminum alloy material

Rope Diameter: Ø 8 -13 mm
Weight : 159 gr
Standard : EN 567



SE-15

SE-30

SE-15
ADJUSTABLE WEBBING
FOOT LOOP

- Easy to use for ascending
- High strength of 25 mm polyester webbing
- Easily adjusted length with QB-25 quick buckles
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Length : 1,5 m
Strength: 23 kN
Weight : 180 gr

SE-30
ADJUSTABLE ETRIER

- Reinforced steps for durability and ease of use when ascending a rope or aid climbing in rope Access
- High strength of 25 mm polyester webbing
- Easily adjustable QB-25 quick buckles
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn
- 3 step with top adjustment

Length : 1,5 m
Strength: 23 kN
Weight : 185 gr



SE-1
ADJUSTABLE 5 STEPS
FOOT LOOP

- Reinforced steps for durability and ease of use when ascending a rope or aid climbing in rope Access
- High strength of 25 mm polyester webbing
- Easily adjustable QB-25 quick buckles
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn
- 5 steps

Length : 1,5 m
Strength: 23 kN
Weight : 180 gr



SE-2
ADJUSTABLE ETRIER

- Reinforced steps for durability and ease of use when ascending a rope or aid climbing in rope Access
- High strength of 25 mm polyester webbing
- Easily adjustable QB-25 quick buckles
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn
- 5 steps

Length : 1,5 m
Strength: 23 kN
Weight : 180 gr

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

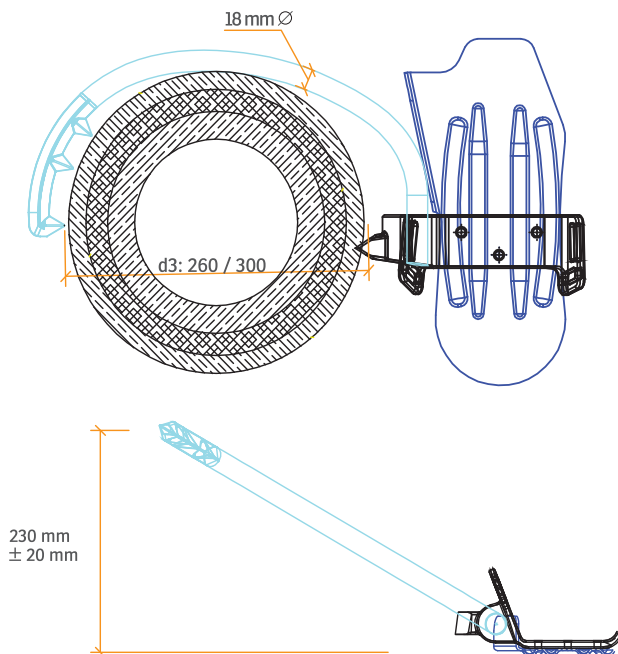
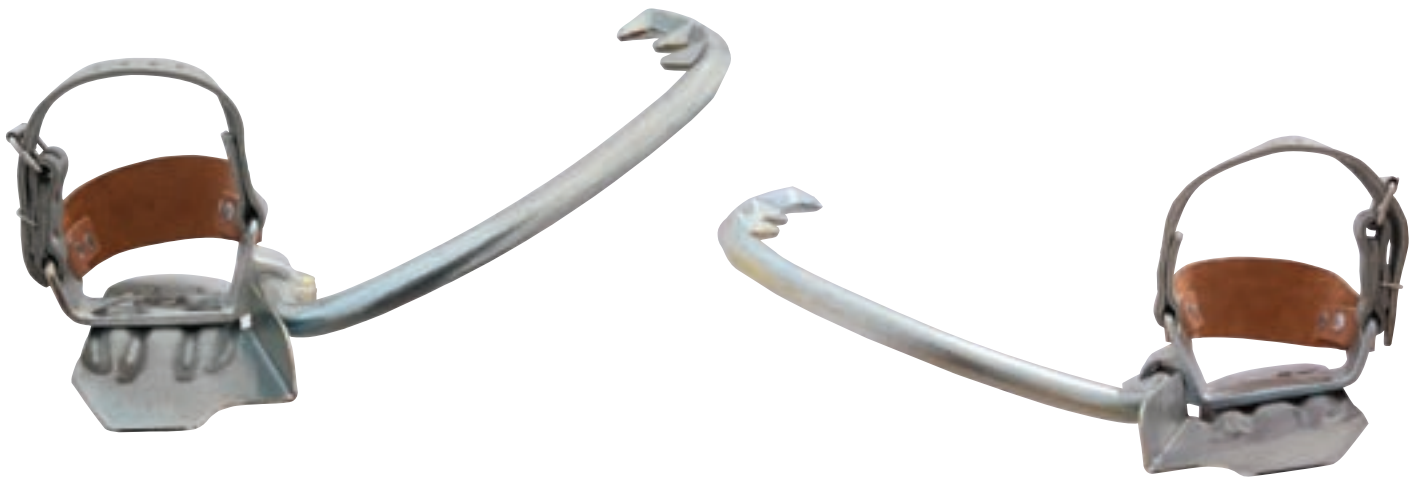
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



A-260

CLIMBING IRON

- Used for climbing and working on wooden masts and wooden poles
- Reinforced bow with 3 points for more security and higher loading capacity.
- Bow and foot forged entirely of high quality steel
- 100% checked for cracking
- Straps made from anti-bacterial & premium chromium-tanned leather with wide heelpiece

Material : Forged Steel
Wood Pole Dia: Ø 260-300-320 mm
Weight : 4200 gr
Standard : DIN 48345

Models

A-260: Designed for 260 mm poles
A-300: Designed for 300 mm poles





DSL-45
DOUBLE STEP WEBBING LADDER

- Made of high strength 45 mm webbing
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn
- Steps are made of aluminum and spaced in 45 cm increments

Length: Produced in desired length
Weight: 850gr/m

Type of carabiner for top anchorage point (sold separately)

- K-4 double safety carabiner
- K-2 carabiner
- K-19 carabiner



FL-500
HEAT AND FLAME RESISTANCE ROPE LADDER

- Made %100 aramid, flame and heat resistance 12 mm rope
- Steps are made of aluminum and spaced in 40 x 40 cm increments
- Knotless montage thanks to the 3 pieces of holes on steps
- Top connection with steel thimbles and K-4 type carabiners

Length: Produced in desired length



RL-41A
ALUMINUM STEPS ROPE LADDER

- Knotless montage thanks to the 3 pieces of holes on steps
- Made of high tenacity 12 mm braided polyester rope
- Steps are made of aluminum and spaced in 40 x 40 cm increments

Length: Produced in desired length
Weight: 1250 gr/m



RL-41
WOOD STEPS ROPE LADDER

- Knotless montage thanks to the 3 pieces of holes on steps
- Made of high tenacity 12 mm braided polyester rope
- Steps are made of wood and spaced in 40 x 40 cm increments

Length: Produced in desired length
Weight: 1.250 gr/m

Type of carabiner for top anchorage point (sold separately)

- K-4 double safety carabiner
- K-2 carabiner
- K-19 carabiner



RL-40
ROPE LADDER

- Made of EN ISO 1261 standard, 3 strands 16 mm sisal rope
- Steps are made of wood and spaced in 40 x 40 cm increments

Length: Produced in desired length
Weight: 1.100 gr/m

Type of carabiner for top anchorage point (sold separately)

- K-4 double safety carabiner
- K-2 carabiner
- K-19 carabiner

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





D-4



RP-810 A B



RP-400

CONTROLLED DESCENDERS

Controlled descenders are designed for working on rope. By means of anti-panic system, when the user winds up strongly, system is locked automatically



D-2 A



D-2 B

PERSONAL ESCAPE SYSTEM

This escape system is ideal for fast evacuate in the event of an emergency. Rope used in D-2 A is made of Polyamide & Rope used in D-2 B is made of Technora



D-8



D-9



D-13

STANDARD DESCENDERS

Simply designed for descending with rope



POWERSEAT GAS

POWERSEAT COMPACT GAS



POWERSEAT ELECTRIC

POWERSEAT COMPACT ELECTRIC



POWERSEAT BATTERY

POWERSEAT COMPACT BATTERY

POWERSEAT ASCENDING & DESCENDING DEVICE

PowerSeat™ is revolutionary device for working at height. It provides the worker with the ability to ascend quickly, stay in position longer, and work in comfort. The PowerSeat™ provides quality, convenience, safety and the best solution for completing a task on time.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

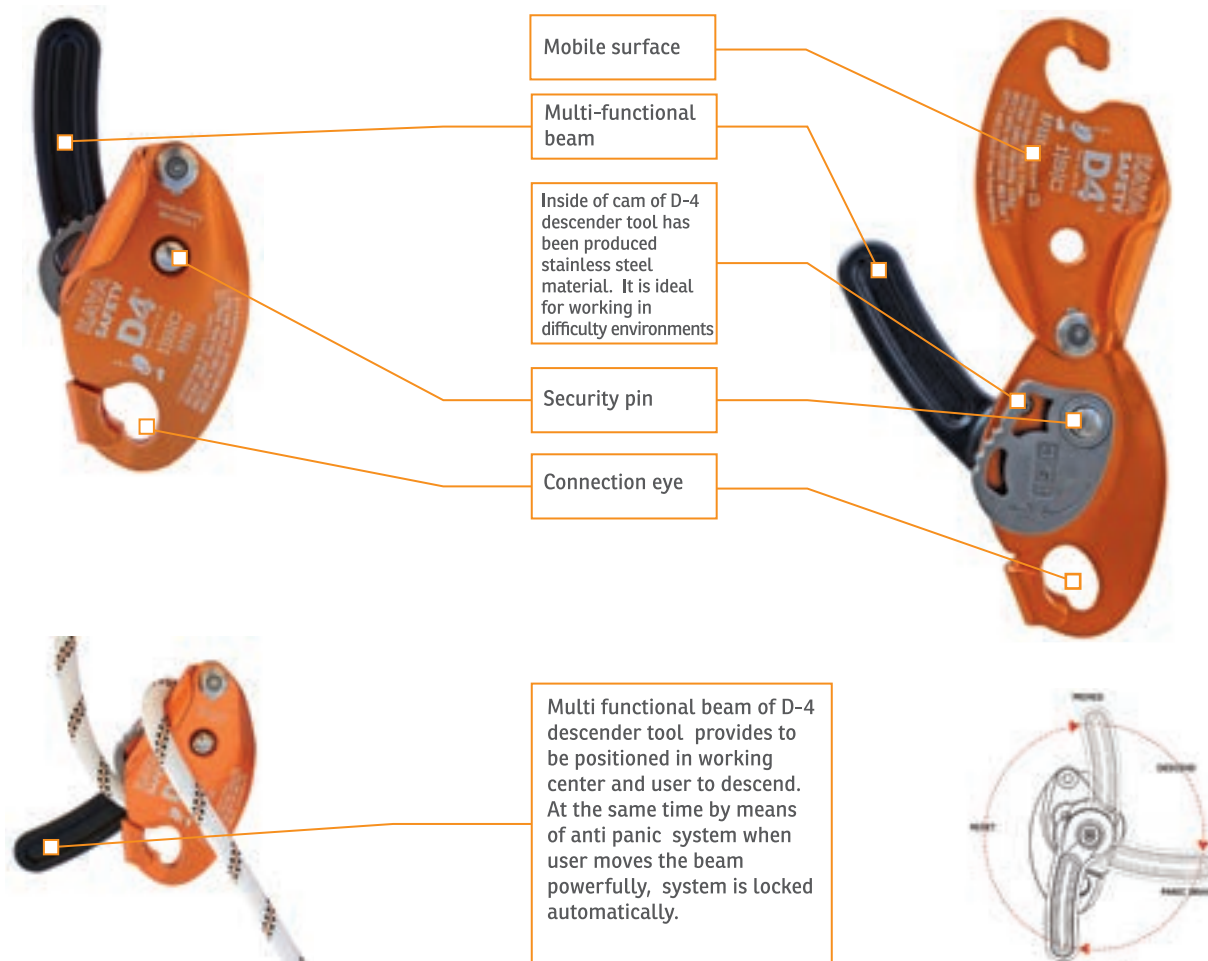
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



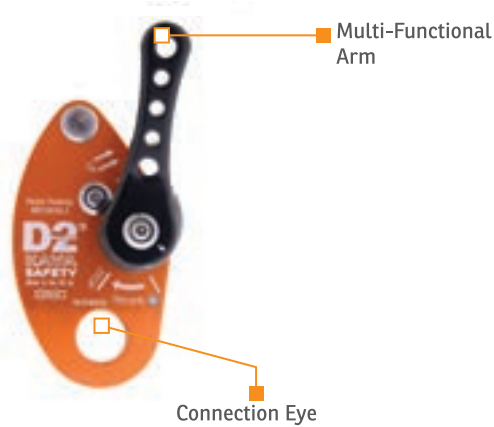
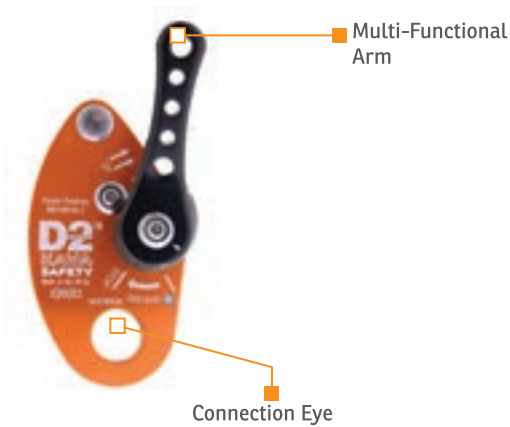
D-4 **DESCENDER (ANTI-PANIC SYSTEM)**

- D4 controlled descender tool is designed for working on rope. D4 enables a unique movement in vertical, horizontal and angled works on rope
- It will be attached or deductible to system in any point of rope
- The progressive cam works by way of one cam operating inside another cam
- In the working with rope, the gap on rope is taken easily
- It can work by hands free in lock position and can get work position
- It owns D4 240 kg work weight. Meaning of this is available for rescue work without being required to extra friction
- The handle mechanism is designed to rotate through 360° making its use easier and simpler. The handle itself is made from aluminum rather than plastic and is coated in a specially chosen paint which provides extra grip
- The handle rotation is accompanied by audible clicks which help the user identify the correct position of the handle
- By means of anti-panic system, when the user winds up strongly, system is locked automatically
- The outer body is made of high strength aluminum material
- Inner cam is made of stainless steel material
- Minimum breaking strength is 16 kN

Rope Dia : Ø 10,5 – 11,5 mm

Weight : 655 gr

Standard: EN 12841, EN 341, ANSI Z359, NFPA 1983



D-2 A ESCAPE DESCENDER (ANTI-PANIC SYSTEM- PES ROPE)

- The D2 is the only micro descender in the world to offer a 'double stop' braking mechanism. The 'double stop' function means that the D2 has a sweet spot in which the descent speed can be easily controlled
- On either side of the sweet spot is an auto lock function which is activated when a user lets go of the handle it automatically stops the descent and if the user pulls the handle too hard it automatically stops the descent (often known as the panic brake)
- It has a rated load of up to 140kg and a maximum descent capacity of 120m
- The D2 can be controlled by pushing in the cam which allows the user to smoothly feed the rope through the device, without the use of the handle
- It is also easy to back feed the rope through the D2 and therefore can be used for smooth ascending or for emergency hauling
- Standard D2 Escape Kits are supplied with a 15m working lengths
- Other lengths are available on request
- Standard polyester ropes are ideal for use in areas such as Linesman Self-rescue from pole tops or for escape from towers or elevating work platforms/ skylifts

Weight : 1.100 gr
Standard: EN 12841, NFPA

D-2 B ESCAPE DESCENDER (ANTI-PANIC SYSTEM- TECHNORA ROPE)

- The D2 is the only micro descender in the world to offer a 'double stop' braking mechanism. The 'double stop' function means that the D2 has a sweet spot in which the descent speed can be easily controlled
- On either side of the sweet spot is an auto lock function which is activated when a user lets go of the handle it automatically stops the descent and if the user pulls the handle too hard it automatically stops the descent (often known as the panic brake)
- It has a rated load of up to 140kg and a maximum descent capacity of 120m
- The D2 can be controlled by pushing in the cam which allows the user to smoothly feed the rope through the device, without the use of the handle
- It is also easy to back feed the rope through the D2 and therefore can be used for smooth ascending or for emergency hauling
- Standard D2 Escape Kits are supplied with a 15m working lengths
- Other lengths are available on request
- Aramid fibers, (such as Technora) are perfect for use in applications where fire is the main hazard

Weight : 1.200 gr
Standard: EN 12841, NFPA

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



RP-810 A B DESCENDER

- Large Top Bobbin- improves rope retention for greater ease of use
- Extending Handle- for greater control when lowering heavy/two man loads
- Rope Latch- allows the user to remove the rope, without detaching from their Harness
- Descender has a panic brake function which is activated when the user pulls too hard on the handle and/or if the user lets go off the handle

Rope Dia : Ø 10,5 – 12,5 mm

Weight : 436 gr

Standard: EN 12841-B



RP400 PRO ALLP DESCENDER

- The Pro Allp Descender is a Specialist multi-function device
- Adjustable, Screw Controlled Descender
- Auto-lock Controlled Descender (with variable maximum speed setting)
- Can be used for rescue work
- Breaking strength: 30 kN
- Made of aluminum alloy material
- 316 grade stainless steel material
- Outer frame is made of aluminum material

Rope Dia : Ø 10,5 – 12,7 mm

Weight : 580 gr

Standard : EN 12841-B



D-8 FIGURE 8

- Ease of use for descending
- For easy descending on single or double ropes
- Breaking strength: 35 kN
- Made of aluminum alloy material

Rope Dia : Ø 8 -13 mm
Weight : 119 gr
Standard: EN 795 Class B



D-9 BENT EAR FIGURE 8

- Has long bent ears to prevent the rope from locking up during descent
- Breaking strength : 40 kN
- Made of aluminum alloy material

Rope Dia : Ø 8 -13 mm
Weight : 270 gr
Standard: EN 795 Class B



D-13 BELAY DEVICE

- Used to control a rope during belaying
- Ultra-compact design is easy to use and doesn't take up much space
- Act as a friction brake, so that when a climber falls with any slack in the rope, the fall is brought to a stop
- Breaking strength: 23 kN
- Made of aluminum alloy material

Rope Dia: Ø 8 -13 mm
Weight : 270 gr

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





POWERSEAT

POWERSEAT GAS



Ergonomic Design

The PowerSeat™ is designed to stay in an upright position, eliminating wasted energy



Brake

The brake system offers complete security against free fall. The encapsulating jaw cover protects against snagging fingers and clothing in the winch.



Speed control

The unit is operated using a fail-safe dead man's switch to control ascent speed, up to 15 m/min



Durability and credibility

Stainless steel load-carrying gears and pins provide strength and durability. Sealed gearbox and high-load ball bearings reduce friction under load, are corrosion resistant, and do not require lubrication.



CE Certification

The Harken PowerSeat gas version is CE certified and complies with the essential requirements defined by the Machinery Directive and independently verified by Bureau Veritas

POWERSEAT COMPACT GAS



Technical Info

Max working load: 273 kg (601.9 lb)
Max ascent speed: 15 m/min (49.2 ft/min)
Weight : 14 kg (30.9 lb)

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

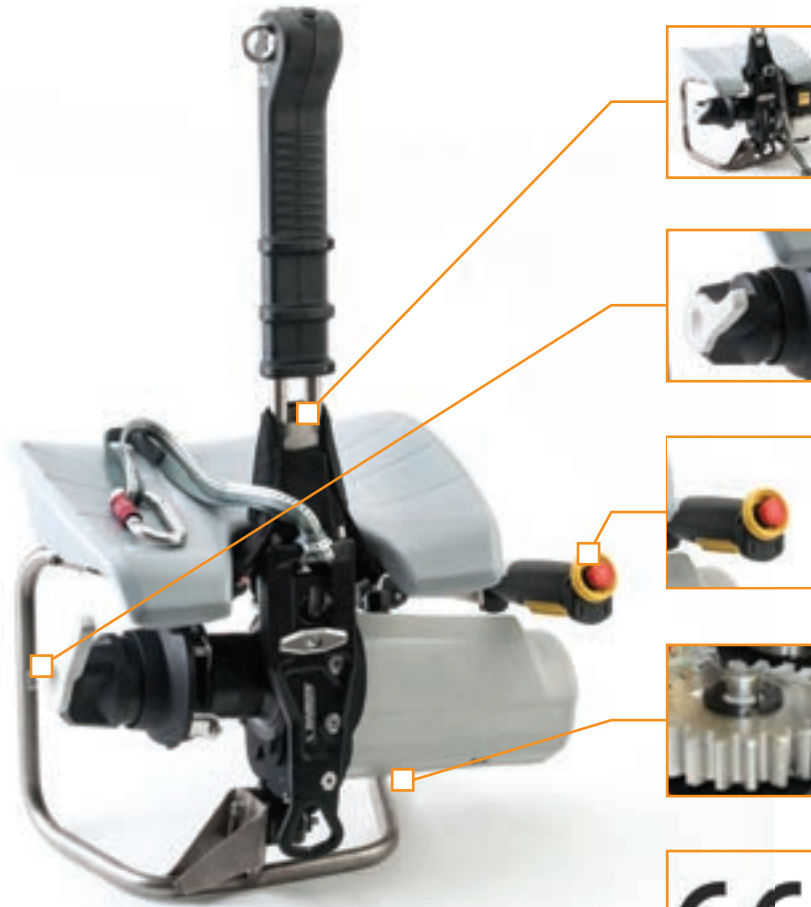
HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



POWERSEAT ELECTRIC



Ergonomic Design

The PowerSeat™ is designed to stay in an upright position, eliminating wasted energy



Brake

The brake system offers complete security against free fall. The encapsulating jaw cover protects against snagging fingers and clothing in the winch.



Speed control

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CE Certification

The Harken PowerSeat gas version is CE certified and complies with the essential requirements defined by the Machinery Directive and independently verified by Bureau Veritas

POWERSEAT COMPACT ELECTRIC



Technical Info

Max working load: 300 kg (661.4 lb)

Max ascent speed: 14 m/min (45.9 ft/min) with 125 kg

Weight : 20 kg (44.1 lb)

Cable Length : 35 m



POWERSEAT BATTERY



Speed control

The unit is operated using a fail-safe dead man's switch to control ascent speed, up to 14 m/min(45.9 ft/min).



Ergonomic Design

The PowerSeat™ is designed to stay in an upright position, eliminating wasted energy



Durability

Stainless steel load-carrying gears and pins provide strength and durability. Sealed gearbox and high-load ball bearings reduce friction under load, are corrosion resistant, and do not require lubrication.



Battery

PowerSeat BATTERY has a 48V lithium-ion battery with a BMS (Battery Management System) to preserve its useful life. Certified IP54.



Brake

The brake system offers complete security against free fall. The encapsulating jaw cover protects against snagging fingers and clothing in the winch.



CE Certification

The Harken PowerSeat battery version is CE certified and complies with the essential requirements defined by the 2006/42/CE Machinery Directive, 2004/108/CE Electromagnetic Compatibility Directive (and independently verified by Bureau Veritas).

POWERSEAT COMPACT BATTERY



Technical Info:

Max working load : 300 kg (661.4 lb)
Max ascent speed : At 125 kg 14 m/min
Weight : 19 kg + 3,6 kg
Battery Life : At 125 kg 550 m

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

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ROPES

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SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





H-13 ISLAND
INDUSTRIAL HELMET

- It is ideal for rescue operation and works at height
- Slots for ear protectors fixing
- Adjustable and removable chinstrap
- Ventilation with 2 vents

Color : Red, White, Blue
Size : 54/62 cm (Adjustable)
Weight : 400 gr
Outer shell: Thermo ABS
Inner shell : High Tenacity polystyrene EPS foam
Standard : EN 397



SHORT VISOR



LONG VISOR



VISOR+EAR MUFFS



H-12 SUMMIT
MOUNTAINEERING HELMET

- Ideal for ski-mountaineering and climbing
- Adjustable and removable chinstrap
- Ventilation with 8 vents

Color : Red, White, Blue
Size : 55/62 cm (Adjustable)
Weight : 410 gr
Outer shell: Thermo ABS
Inner shell : High Tenacity polystyrene EPS foam
Standard : EN 12492

ACCESSORIES

HARNESSES

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CARABINERS

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HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





RP-500 ROCKER



RP-892 RED



RP-203



RP-209

ROPE GRABS FOR DOUBLE SAFETY

Designed to be used hands-free when travelling up and down the rope. Allows users to be 'parked' at any position on the rope for work positioning. Can be fitted to the rope at any point.

ROPE GRABS

Allows users to be 'parked' at any position on the rope for work positioning. Lightweight for being Aluminum. RP-209 can be fitted to the rope at any point.



F-2 A



F-2 B



F-1

ROPE GRABS

Designed for users to have work positioning & restraint. Produced from steel to increase its durability under difficult working environments.

HINGED ROPE GRAB

Designed for users to have work positioning & restraint. Hinged construction for ease of attachment as well as a positive lock and safety cam for superior safety. Produced from steel to increase its durability under difficult working environments.



F-2 K-2/K-2

FALL ARRESTER FOR WORK RESTRAINT

Designed for work positioning & restraint.



F-1 R K-4A/K-2

FALL ARRESTER (MOBILE VERTICAL LIFELINE)

Designed to be used as mobile vertical life line.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

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VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



RP-500 ROCKER

ROPE GRAB

- Can be fitted to the rope at any point
- It can be used hands-free, when travelling up and down the rope
- The Rocker has been designed for use without a Shock-absorber
- The Rocker can also be used as a Rope Adjuster on a Work Positioning Lanyard (in accordance with EN358)

Weight : 164 gr

Material : Aluminum

Rope Dia : Ø 10,5 – 12,7 mm

(Use only with rope certificated according to EN 1891 Type A)

Standard: CE EN 353-2; CE EN358; CE EN 12841-A



RP-892 RED

ROPE GRAB

- The RED's non-aggressive Cams have a positively locking spring, which means that the device is self-parking (rather than self-tailing, like many Rope grabs)
- Rotational Braking' feature provides the automatic braking in the event of a fall

Weight : 210 gr

Material : Aluminum

Rope Dia : Ø 10,5 – 11 mm

(Use only with rope certificated according to EN 1891 Type A)

Standard: CE EN 12841-A





RP-209
MINI ROPE GRAB WITH PIN

- Allows the Rope grab to easily be added to or removed from the working rope line at any time- without the need for the user to detach from their Harness
- Allows the user to quickly and efficiently secure the device during use
- Manufactured from high strength aluminum material

Weight : 183 gr
Material : Aluminum
Rope Dia: Ø 10,5 – 13 mm
 (Use only with rope certificated according to EN 1891 Type A)
Standard: CE EN 353-2, EN 358 & NFPA 2001



RP-203
MINI ROPE GRAB

- Non aggressive cam-face design helps prevent rope wear
- Manufactured from high strength aluminum material

Weight : 177 gr
Material : Aluminum
Rope Dia : Ø 10,5 – 13 mm
 (Use only with rope certificated according to EN 1891 Type A)
Standard: CE EN 353-2, EN 358 & NFPA 2001

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

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HELMETS

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RESCUE DEVICES

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SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



F-2 A/B ROPE GRAB

- Enables users move up and down safely on mobile vertical lifelines
- Used as personal fall-restraint system on roof tops

Types:

F-2A

Material : Steel
Rope Dia : 16 mm
Weight : 460 gr
Standard: EN 353-2

F-2B

Material : Steel
Rope Dia: 12 mm (Use only with rope certificated according to EN 1891)
Weight : 420 gr
Standard: EN 353-2



F-1 HINGED ROPE GRAB

- Enables users move up and down safely on mobile vertical lifelines
- Can be fitted to the rope at any point

Material : Stainless Steel

Rope Dia : 14 mm (Use only with rope certificated according to EN 1891)

Weight : 650 gr

Standard: EN 353-2



F-2 K-2 / K-2

Select an alternative carabiner type from options below

Select carabiner type for shock absorber from options below



F-1 R K-4A / K-2

Select an alternative carabiner type from options below

Select carabiner type for shock absorber from options below

F-2

FALL ARRESTER SYSTEM WITH ROPE GRAB (ENERGY ABSORBER INCLUDED)

- Used for work restraint
- Used as secondary safety purposes
- K-2 type karabiner is attached to the rope end
- Rope is tested and certificated according to EN 353-2
- Energy absorber (E-7) designed to limit the impact transmitted to the user in case of a fall.

Rope Dia : Ø 16 mm
Standard: EN 353-2

F-1 R

FALL ARRESTER SYSTEM WITH HINGED ROPE GRAB (ENERGY ABSORBER INCLUDED)

- Used as mobile vertical lifeline and secondary safety purposes
- Fall arrest function enables users to have minimum damage
- K-4 type Karabiner attached to the rope end enable user to hook up wide angle profiles
- Easy to move up down on the rope with F-1 type rope grab
- Can be fitted to the rope at any point

Rope Dia : Ø 14 mm
Standard: EN 353-2

CARABINER OPTIONS



K-2

K-6

K-4 KL

K-4/2A

K-4A

K-4B

Note: For more information please check section: Carabiners

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

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MOBILE FALL ARRESTERS

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SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





ACB 1,8

ACB TYPE RETRACTABLE FALL ARRESTERS

Designed to be used as fall arrester in works performed on Mobile Cranes



HWDB 2



HWDB 2 R

HWDB TYPE TWIN RETRACTABLE FALL ARRESTERS

Used as fall arrester for works at height



HWPB-3,5



HWPB-5,5

HWPB TYPE RETRACTABLE FALL ARRESTERS

Designed to be used as fall arrester in works performed on Mobile Cranes



HPS-6



HPS-12

HPS TYPE TWIN RETRACTABLE FALL ARRESTERS

Produced with high tenacity galvanized steel wire rope in plastic housing. Available in plastic or aluminum housing



H-18

H-24

H-33

H-42

H-60

H SERIES RETRACTABLE FALL ARRESTERS

Produced with high tenacity galvanized steel wire rope in plastic housing. Can be used as mobile vertical life line



HRA-18

HRA-24

HRA-30

HRA-42

HRA TYPE FALL ARRESTER BLOCKS WITH RECOVERY MECHANISM

Produced with high tenacity steel wire rope in aluminum housing. Recovery mechanism allows the device to be used to lift or lower a casualty post fall, or if they have become incapacitated in a confined space



HAS-18

HAS-30

HAS SERIES RETRACTABLE FALL ARRESTER WITH AUTOMATIC LOWERING FACILITY

Produced with high tenacity galvanized steel wire rope in aluminum housing. Can be used as mobile vertical life line. Once the fall has been arrested, the device immediately lowers the user to the ground at a constant speed of 0.9m/sec



ABS 5 D

ABS 5D RETRACTABLE FALL ARRESTER WITH AUTOMATIC LOWERING FACILITY

The device has been specially designed for use in leisure-time sports. It has an additional backup catch function in case of an overload due to brake failures. The descender process is carried out with a speed of approx. 1.0 m/s with the centrifugal force safely regulated downward

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

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RESCUE DEVICES

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SAFETY NETS

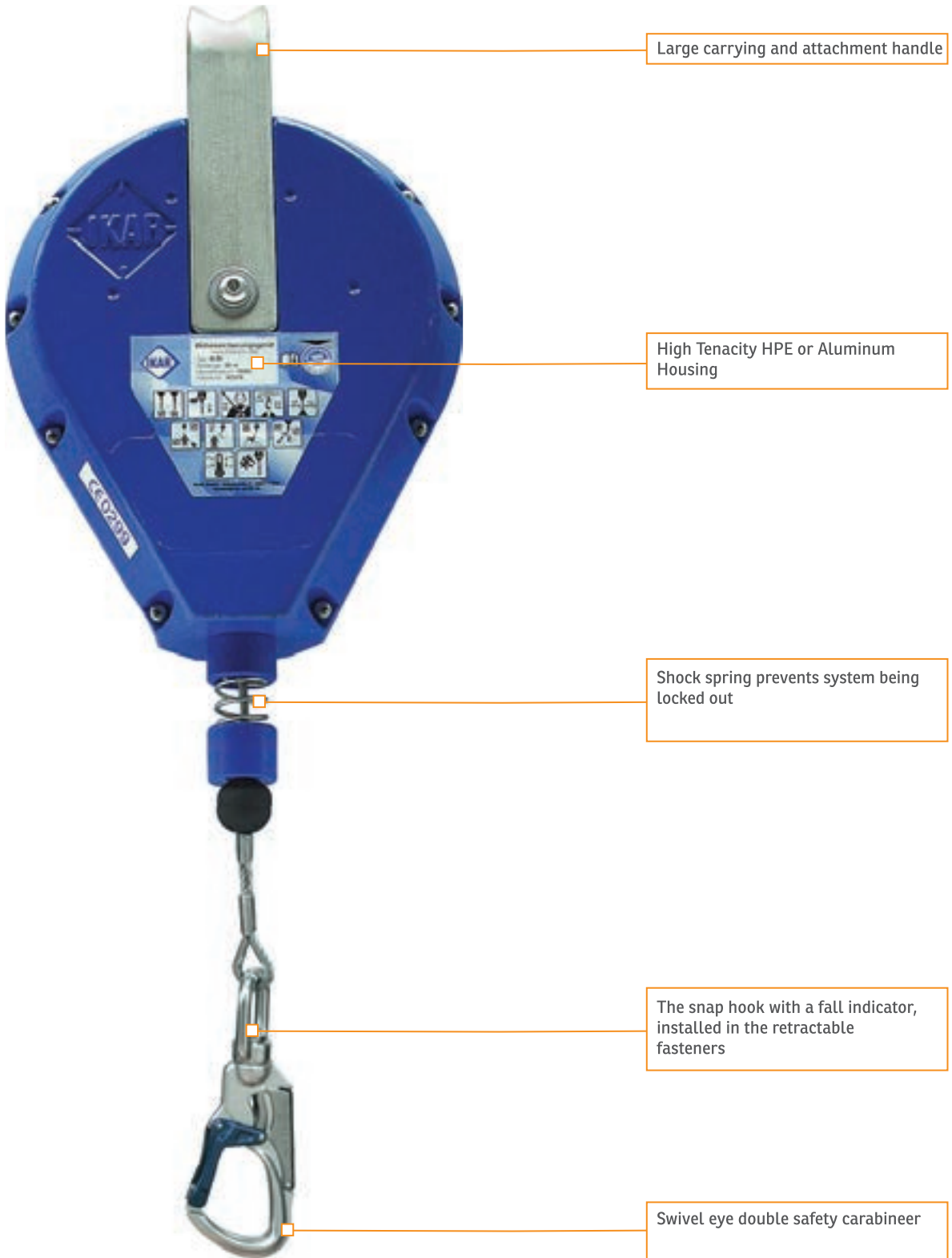
VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT

KEY FEATURES OF IKAR RETRACTABLE FALL ARRESTERS





ACB-1,8
RETRACTABLE
FALL ARRESTER

- Designed for fall protection in mobile elevated working platforms
- The self-retracting lanyard is tested and certified for the protection in mobile elevated working Platforms
- The lanyard is tested over a 'double' sharp edge
- Innovative technique in the area of internal energy absorbers ensures a maximum arresting force of less than 3 kN at the anchorage point
- Aluminum Housing

Length : 1,8 mt
Weight : 0,96 kg
Standard: EN 360, CNB 11060 2008
 Type A



HWDB 2
RETRACTABLE
FALL ARRESTER

- Low-maintenance double height-safety device for securing one person against falling
- Specially designed for the secure job change by alternately striking and a continuous protection against crash
- Webbing with case indicators and 2 x 2 m extension length
- Case-absorbing function in an aluminum housing

Length : 2 mt
Weight : 1,9 kg
Standard: EN 360



HWDB 2 R
RETRACTABLE
FALL ARRESTER

- Aluminum housing with webbing strap: Especially resistant against acids, caustic solutions, heat, cold, damp and other extreme situations
- Turn-hook hanging which stops the strap from twisting
- Compact construction and low weight
- For fall protection for one person

Length : 2 mt
Weight : 2,8 kg
Standard: EN 360



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



HWPB SERIES

RETRACTABLE FALL ARRESTER

- Low maintenance device fitted with a webbing lifeline
- The attachment anchorage point on the fall arrest block is a cast aluminum swivel eye $\varnothing 16\text{mm}$, suitable for connection via a standard karabiner type connector, or a standard karabiner type connector with an Anchorage Sling
- Plastic housing
- Fall arrest block has been tested in a simulated fall over an edge
- Fitted with a 25 mm webbing lifeline

Standard: EN 360, CNB 11.060 2008 Sharp Edge Type A

Types

HWPB-3,5

Length: 3,5 mt

Weight: 1,2 kg

HWPB-5,5

Weight: 5,5 mt

Length: 1,5 kg



HPS SERIES

RETRACTABLE FALL ARRESTER

- Low-maintenance height-safety device with galvanized steel wire rope
- Plastic housing
- The snap hook with a fall indicator

Standard: EN 360, CNB 11.060 2008 Sharp Edge Type A

Types

HPS-6

Length: 6 mt

Weight: 2,8 kg

HPS-12

Length: 12 mt

Weight: 4,0 kg





IKAR H-18

IKAR H-24

IKAR H-33

IKAR H-42

IKAR H-60

H SERIES

RETRACTABLE FALL ARRESTER

- This aluminum housed fall arrest block is a sturdy, low maintenance device fitted with a steel rope lifeline, terminated with a steel double action hook
- The attachment anchorage point on the fall arrest block is an open steel handle, suitable for connection via a standard karabiner type connector, or a standard karabiner type connector with an anchorage sling, or a large karabiner
- Fall arrest block has been tested in a simulated fall over an edge

Standart: EN 360, CNB 11.060 2008 Sharp Edge Type A

Types

H-18

Length: 18 mt
Weight: 9,5 kg

H-24

Length: 24 mt
Weight: 13,5 kg

H-33

Length: 30 mt
Weight: 18 kg

H-42

Length: 42 mt
Weight: 26,8 kg

H-60

Length: 60 mt
Weight: 38 kg



2xr≥0,5 mm

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



HRA SERIES

RETRACTABLE FALL ARRESTER WITH RECOVERY MECHANISM

- This aluminum housed fall arrest block is a sturdy, low maintenance device fitted with a steel rope lifeline, terminated with a steel double action hook
- The attachment anchorage point on the fall arrest block is an open steel handle, suitable for connection via a standard karabiner type connector, or a standard karabiner type connector with an anchor age sling, or a large karabiner
- This fall arrest block also has a built in recovery mechanism, which is engaged by pulling a pin on the side of the block and engaging a winding handle. This then allows the device to be used to lift or lower a casualty post fall, or if they have become incapacitated in a confined space
- Fall arrest block has been tested in a simulated fall over an edge

Standard: EN 360, EN 1496

Types

HRA-18	HRA-24	HRA-30	HRA-42
Length: 18 mt	Length: 24 mt	Length: 30 mt	Length: 42 mt
Weight: 11,50 kg	Weight: 15,9 kg	Weight: 21 kg	Weight: 40 kg



HAS SERIES

RETRACTABLE FALL ARRESTER WITH CONTROLLED DESCENT

- Easy to use, low-maintenance design
- Load carrying capacity: > 1 person, 125kg - max.
- Fall Arrest Block with integral controlled descent mechanism with a 16.0m steel rope lifeline in an aluminum housing
- This aluminum housed fall arrest block is a sturdy, low maintenance device fitted with a steel rope lifeline, terminated with a steel double action hook
- This device functions in the same way as a conventional fall arrest block, however once the fall has been arrested, the device immediately lowers the user to the ground at a constant speed of 0.9m/sec
- The attachment anchorage point on the fall arrest block is an open steel handle, suitable for connection via a standard karabiner type connector, or a standard karabiner type connector with an anchorage sling, or a large karabiner

Standard: EN 341

Types

HAS-18	HAS-30
Length: 18 mt	Length: 30 mt
Weight: 11 kg	Weight: 15 kg





ABS 5 D

RETRACTABLE FALL ARRESTER WITH AUTOMATIC LOWERING FACILITY

- This device works with a permanent descender brake, thus eliminating any possibilities of a crash in the system
- The descender process is carried out with a speed of approx. 1.0 m/s with the centrifugal force safely regulated downward
- A freewheel enables a non-braked retraction of the fastener
- The digital counter measures the rotations of the rope drum and indicates the permissible, completed work (10,000m) of the device at a corresponding counter reading

Length : 10 mt
Weight : 6,0 kg
Standard: EN 341



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

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DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

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ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





BISON ABS 4WH

BISON ABS 4WH RESCUE DEVICE

Designed for the rescue of a worker left suspended at height after a fall. The abseiling test with the IKAR "Bison" was done with a maximum abseiling height (150 mt) and a maximum load of 200kg (equates to 3,800 abseiling meter). Also the function test with an overload of 25 % (250 kg) at a height of 150 mt was not a problem for the "Bison".



FAWORIT ABS 3WH

41 Z19 TELESCOPIC RESCUE POLE

FAWORIT ABS 3WH RESCUE DEVICE

Designed for the rescue of a worker left suspended at height after a fall. This abseiling device has an automatic speed regulation. The brake controlled by centrifugal forces keeps the speed of the device constant during the entire abseiling and enables a rapid and safe rescue. The device is also equipped with a rescue hoisting facility using a crank wheel and a reverse lock which can latch into place. As an additional safety feature shock absorption while lifting is integrated.

Device has been tested and approved for one person (100 Kg) abseiling heights up to 150 mt



FAWORIT ABS 3W

FAWORIT ABS 3W ABSEILING DEVICE

This abseiling device has an automatic speed regulation. The brake controlled by centrifugal forces keeps the speed of the device constant during the entire abseiling process and enables a rapid and safe rescue. The Abseiling speed can be regulated by the rescuer on the opposite rope. The maximum Abseiling work of the device is 10.000 Abseiling meter

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



IKAR BISON ABS 4WH RESCUE DEVICE

- High functional safety
- Innovative construction, corrosion-resistant
- Resistant to damp, heat, cold
- Integral rescue hoisting function using a crank wheel
- Maximum load 200 kg
- Reverse lock which can latch into place
- Abseiling speed approx. 0.9 m/sec.
- For abseiling heights up to 150 mt, Maximum lifting height: 75 mt
- Compact, stable size
- Does not cause undue wear or damage to the rope
- Tested for two persons
- Rope delivered with a bag

Length : 20-150 mt
Weight : 2.800 gr (20 mt standard weight)
Standard: EN 341, EN 1496



IKAR FAVORIT ABS 3WH RESCUE DEVICE

- High functional safety
- Innovative construction, corrosion-resistant
- Resistant to damp, heat, cold
- Abseiling speed approx. 0.9 m/sec.
- For abseiling heights up to 150 mt
- Compact, stable size
- Reverse lock which can latch into place
- Maximum lifting height: 75 mt
- Automatic speed regulation.
- Integral rescue hoisting function using a crank wheel
- Extremely low on weight
- Does not cause undue wear or damage to the rope
- Tested for one person
- Rope delivered with a bag (10,5 mm static (EN 1891 certified) rope)

Length : 20-150 mt
Weight : 1.900 gr (20 mt standard weight)
Standard: EN 341, EN 1496



41 Z19 TELESCOPIC REMOTE REACH RESCUE POLE

- The pole is fitted with a mounting bracket
- Minimum length is 80 cm and 292 cm when extended
- Weight is only 510 gr



IKAR FAVORIT ABS 3W AUTOMATIC ABSEILING DEVICE

- High functional safety
- Innovative construction, corrosion-resistant
- Resistant to damp, heat, cold
- Abseiling speed approx. 0.9 m/sec.
- For abseiling heights up to 150 mt
- Compact, stable size
- Aluminum external case
- Extremely low own weight
- Aluminum version with Twist lock karabiner
- Simple installation via F-7 anchorage sling
- Delivered with K-2/3ACP automatic lock karabiner
- Does not cause undue wear or damage to the rope
- Tested for one person
- Rope delivered with a bag (10,5 mm static (EN 1891 certified) rope)

Length : 20 - 150 mt
Weight : 1.200 gr (20 mt Standard weight)
Standard: EN 341:1996 Class A



RK-SERIES RESCUE KIT

- Safe, Quick & Easy Solution for Rescuing a suspended Worker
- R-ALF rescue pulley is used as part of work suspension system either in confined spaces as a user can easily lift/lower themselves
- If the user loses control of the decent the over speed brake will automatically kick in
- Has 11 mm static rope (EN 1891)
- Easy to attach wide profiles with F-2 anchorage sling
- Comes with Aluminum telescopic remote reach rescue pole

Standard: EN 12278, ANSI Z359: 4: 2007

Types

RK-20

Length: 20 mt
Weight: 12.220 gr
 (rope included)

RK-40

Length: 40 mt
Weight: 20.220 gr
 (rope included)

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



DE-100 **DERRICKMAN ESCAPE SYSTEM**

- The Derrickman Escape Chute is designed to provide a rapid and safe method of evacuation in an emergency event from offshore and onshore rigs
- Escape with ABS 3W device - Abseiling speed approx. 0.9 m/sec.
- System legs are mounted on 1 m³ of concrete block

Standard: EN 341







T-150 A



T-150 B

TRIPODS

Kaya Safety tripods are specially designed for working in boreholes, manholes and confined space safely.



TRIPOD WITH HRA RESCUE DEVICE



TRIPOD WITH HRA RESCUE DEVICE & ALKO HAND WINCH



TRIPOD WITH R-ALF RESCUE PULLEY

TRIPOD RESCUE SYSTEMS

This system is a combination of either (T-150 A) or (T-150 B) tripods and HRA Fall Arrester Device, ALKO hand winch and R-ALF Rescue pulley to make a complete Tripod Rescue System ideal for confined space entry.



AASS-1



AASS-2



AASS-3



AASS-4



AASS-M



AASS-MV

CANTILEVER ARMS

Portable and permanent cantilever arms are essential part of a confined space access or rescue plan and provide a fixed anchorage point for work winches or rescue systems for entering confined spaces. Portable design allows for easy transport and storage. Adjustable legs enable them to fit most confined space entry.



41-57/1 GROUND SLEEVE



41-57/2 WALL SLEEVE



41-57/3 LOWER GROUND SLEEVE



41-57/5 LOWER GROUND SLEEVE

BASE PLATES

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



T-150 A

TRIPOD

- High functional stability, load-carrying capacity max. 2 persons
- Equipped with foldable rubber feet for high stability in various substrates
- Light aluminum construction
- Adjustable legs with integral push pins
- Corrosion-resistant coating
- 300 kg loading capacity

Standard: EN 795- Class B

	Closed	Open
Height (H)	: 149 cm	249 cm
Length (L)	: 156 cm	263 cm
Ground Dia (Ø)	: 92 cm	148 cm



T-150 B

TRIPOD

- High functional stability, load-carrying capacity max. 2 persons
- Equipped with foldable rubber feet for high stability in various substrates
- Light aluminum construction
- Adjustable legs with integral push pins
- Corrosion-resistant coating
- 300 kg loading capacity

Standard: EN 795- Class B

	Closed	Open
Height (H)	: 211 cm	305 cm
Length (L)	: 235 cm	338 cm
Ground Dia (Ø)	: 206 cm	291 cm



HRA BRACKET

MOUNTING BRACKET FOR HRA DEVICES

Length	Code
9,5-24 m	41-54/9,5-24
30-42 m	41-54/33-42



41-54/AWS

ALKO WINCH TRIPOD MOUNTING BRACKET



HRA CONFINED SPACE RESCUE SYSTEM WITH HRA

HRA Fall Arrester Block is used in conjunction with aluminum tripods to protect the user when ascending and descending a vertical shaft. Recovery Mechanism allows the device to be used to lift or lower a casualty post fall, or if they have become incapacitated in a confined space.

System Components;

- T-150 Tripod (T-150 A or T-150 B)
- HRA Fall Arrester Device
- Mounting bracket for HRA devices (9,5–30)
- K-14 / 3A Carabiner x 1
- P-11 SS Pulley x 1
- Tripod bag



HRA & ALKO CONFINED SPACE RESCUE SYSTEM WITH HRA & ALKO HAND WINCH

Manually operated ALKO Hand Winch may also be used if secondary safety is needed.

System Components;

- T-150 Tripod (T-150 A or T-150 B)
- HRA Fall Arrester Device
- Mounting Bracket for HRA Devices (9,5–30)
- ALKO 651 Hand Winch
- 41-54 / DWS Hand Winch Mounting Bracket
- K-14 / 3A carabiner x 1
- P-11 SS Pulley x 1
- Tripod bag



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

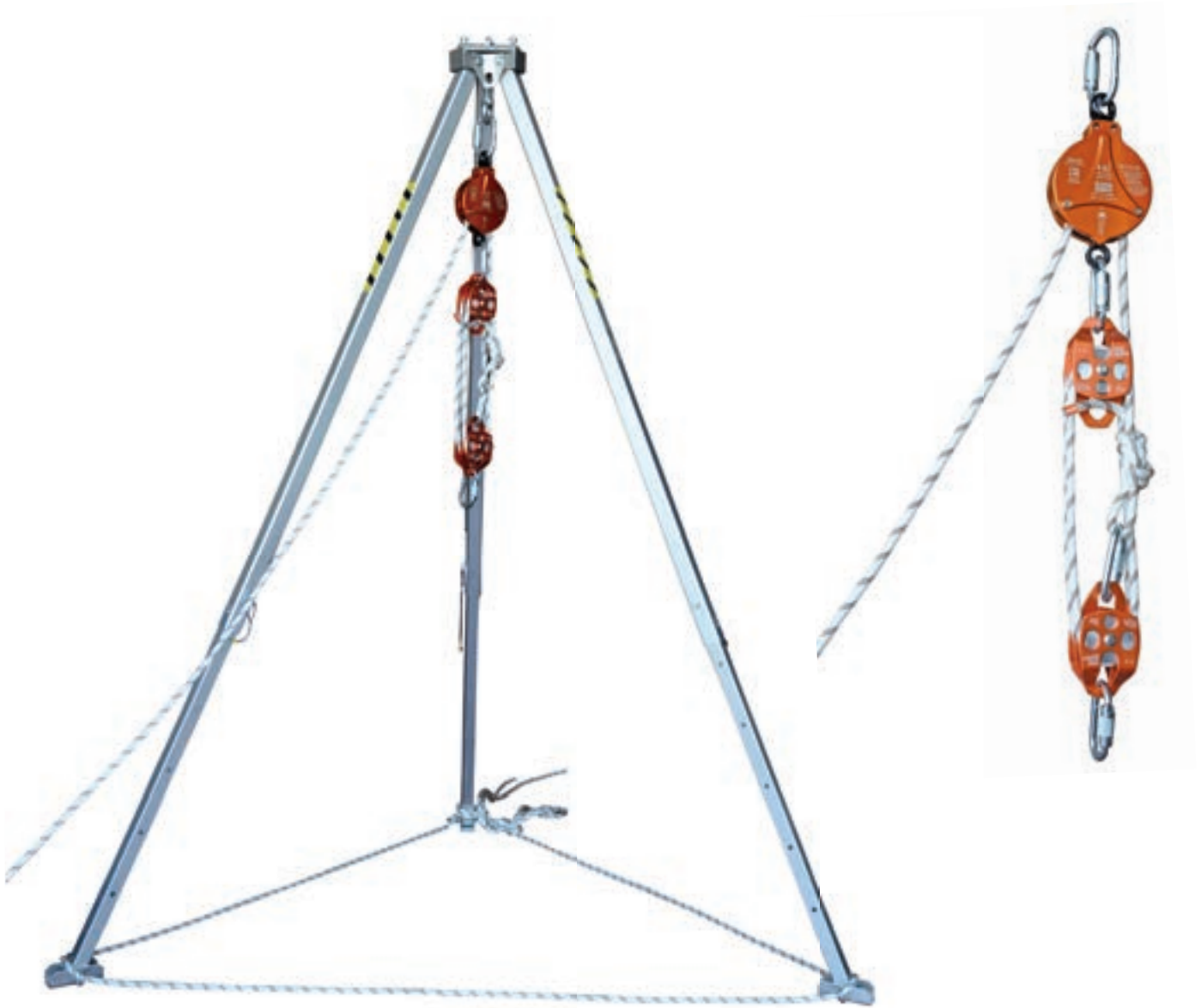
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



R-ALF

CONFINED SPACE RESCUE SYSTEM WITH RESCUE PULLEY

R-ALF rescue pulley is used as part of work suspension system either in confined spaces as a user can easily lift/lower themselves. If the user loses control of the decent the over speed brake will automatically kick in. 11 mm static rope is recommended and the length static rope varies depending on the depth of confined space.

Carrying Capacity: 300 kg

System Components;

- T-150 Tripod (T-150 A or T-150 B)
- R-ALF rescue pulley
- P-5 Pulley (EN12278)
- K-2 / 3A Carabiner x 4 (EN 362)
- Ø 11 mm static rope (EN 1891)



IKAR AASS-1 CANTILEVER ARM

- Specially developed for stationary use in safety and rescue cases for two persons as well as for lifting and lowering loads
- Variable fastenings via ground and wall sleeve
- Suitable for fast relocation
- Can be used with HRA rescue devices
- Stable thanks to solid construction, high quality
- Can be equipped with accessories

OPTIONAL EQUIPMENT FOR AASS-1

- ALKO 901, manual load winch for loads up to 300 kg with max 20 mt rope length
- HRA fall protection equipment

Weight : 36 kg
Standard: EN 795:1996/Class B:2012



IKAR AASS-2 CANTILEVER ARM

- Removable extension arm, adjustable height
- Suitable for fast relocation
- Can be used with HRA rescue devices
- Stable thanks to solid construction, high quality
- Can be equipped with accessories

OPTIONAL EQUIPMENT FOR AASS-2

- ALKO 901, manual load winch for loads up to 300 kg with max. 20 mt rope length,
- HRA fall protection equipment

Weight : 39 kg
Standard: EN 795:1996/Class B:2012



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



IKAR AASS-3 CANTILEVER ARM

- Specially developed for stationary use in safety and rescue cases for two persons as well as for lifting and lowering loads
- Variable fastenings via ground and wall sleeve
- Removable extension arm, adjustable height
- Suitable for fast relocation
- Can be used with HRA rescue devices
- Stable thanks to solid construction, high quality
- Can be equipped with accessories

OPTIONAL EQUIPMENT FOR AASS-3

- ALKO 901, manual load winch for loads up to 300 kg with max 20 mt rope length
- HRA fall protection equipment
- Holding plate for roping device Favorit ABS 3W / 3WH devices
- Mounting for HRA fall protection equipment

Weight : 42 kg
Standard: EN 795:1996/Class B:2012



IKAR AASS-4 CANTILEVER ARM

- Suitable for fast relocation
- Can be used with HRA rescue devices
- Stable thanks to solid construction, high quality
- Can be equipped with accessories

OPTIONAL EQUIPMENT FOR AASS-4

- HRA fall protection equipment
- Mounting for HRA fall protection equipment

Weight : 92 kg
Standard: EN 795:1996/Class B:2012



IKAR AASS-MW



IKAR AASS-M

IKAR AASS-MW CANTILEVER ARM

- Suitable for fast relocation
- Can be used with HRA rescue devices
- Stable thanks to solid construction, high quality
- Can be equipped with accessories

OPTIONAL EQUIPMENT FOR AASS-MW

- Mounting for HRA fall protection equipment

Weight : 42 kg
Standard: EN 795:1996/Class B:2012

IKAR AASS-M CANTILEVER ARM

- Suitable for fast relocation
- Can be used with HRA rescue devices
- Stable thanks to solid construction, high quality
- Can be equipped with accessories

OPTIONAL EQUIPMENT FOR AASS-M

- Mounting for HRA fall protection equipment

Weight : 37 kg
Standard: EN 795:1996/Class B:2012

BASE PLATES



41-57/1
GROUND SLEEVE

Weight: 12 kg



41-57/2
WALL SLEEVE

Weight: 12 kg



41-57/3
LOWER GROUND SLEEVE

Weight: 12 kg



41-57/5
LOWER GROUND SLEEVE

Weight: 4,6 kg

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

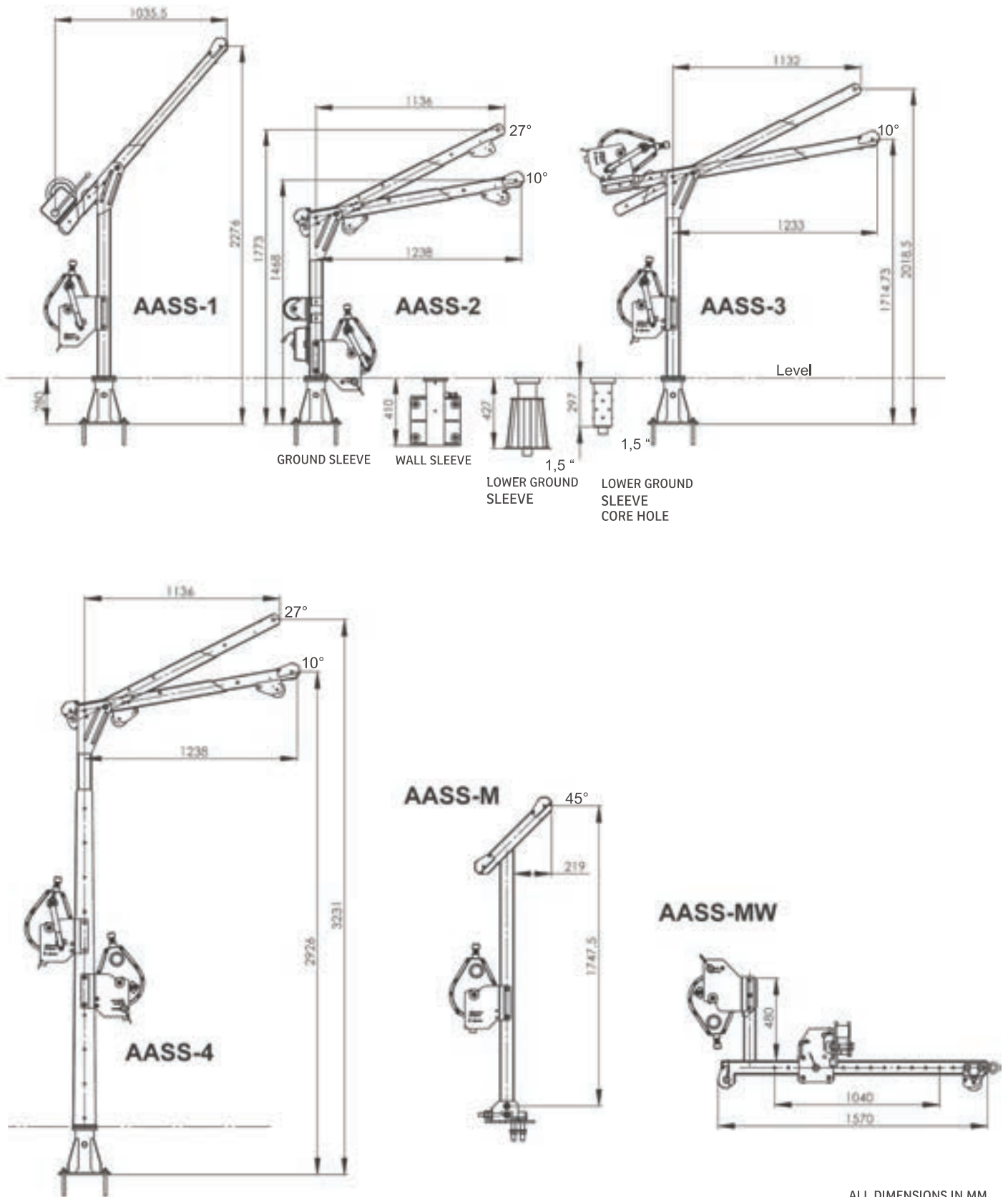
VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT

BASE PLATES DIMENSIONS



ALL DIMENSIONS IN MM

CANTILEVER ARMS VARIANTS

PRODUCT CODE	PRODUCT NAME	MATERIAL	WEIGHT
41-57	CANTILEVER ARM AASS-1	STAINLESS STEEL	36 KG
41-59	CANTILEVER ARM AASS-2	STAINLESS STEEL	39 KG
41-60	CANTILEVER ARM AASS-3	STAINLESS STEEL	42 KG
41-62	CANTILEVER ARM AASS-4	STAINLESS STEEL	92 KG
41-58	CANTILEVER ARM AASS-M (MENHOLE-CONFINED SPACE)	STAINLESS STEEL	37 KG
41-55	CANTILEVER ARM AASS-MW (MENHOLE-CONFINED SPACE)	STAINLESS STEEL	42 KG

BASE PLATES VARIANTS

PRODUCT CODE	PRODUCT NAME	MATERIAL	WEIGHT
41-57/1	GROUND SLEEVE	STAINLESS STEEL	12 KG
41-57/2	WALL SLEEVE	STAINLESS STEEL	12 KG
41-57/3	LOWER GROUND SLEEVE	STAINLESS STEEL	12 KG
41-57/5	LOWER GROUND SLEEVE	STAINLESS STEEL	4,6 KG

HAND WINCH VARIANTS

PRODUCT CODE	PRODUCT NAME	TYPE	WEIGHT
41-Z7	ALKO 901 HAND WINCH	WORKING LOAD 300 KG	7 KG

TRIPOD MOUNTING BRACEKETS

PRODUCT CODE	PRODUCT NAME	MATERIAL	WEIGHT
41-54/AWS	MOUNTING BRACEKET ALKO 901	STAINLESS STEEL	1 KG
41-54/A 9,5-24	MOUNTING BRACEKET HRA 9,5-24	STAINLESS STEEL	3,5 KG
41-54/A 33-42	MOUNTING BRACEKET HRA 33-42	STAINLESS STEEL	5 KG
41-54/A 50-65	MOUNTING BRACEKET ABS 3/3H	STAINLESS STEEL	6 KG





RL-10 CONIC RESCUE STRETCHER

CONIC STRETCHER - RESCUE STRETCHER

Designed for confined space, high angle or technical rescue, and traditional land based applications. Equipped with 2 pieces of 35 kN slings for horizontal hoisting by helicopter or vertical hoisting in caves or industrial confined spaces. The stretcher is rolled for storage in a tough backpack which is included with the system.



RL-46



RL-6



RL-4 A



RL-4 E



RL-4

NEIL ROBERTSON STRETCHER

Designed for removing an injured person from spaces wherein access, doors, or hatches are too small to permit the use of regular stretchers.

BASKET STRETCHERS

These types of stretchers are designed for carrying injured person by helicopter or winch and made of Stainless Steel, Steel or HDPE material.



RL-1



RL-2



RL-3

POLE STRETCHERS

These types of stretchers are very easy to carry and practical. There are easy folding models.



RL-44



RL-44 A



RL-5

SPINE BOARD STRETCHERS

These stretchers are widely used in First Aid, Ambulance Car, as an equipment to move the injured people. Compatible with Head Immobilizer and Neck collar.

SCOOP STRETCHER

Scoop Stretcher eliminates the need for log-roll maneuvers, which significantly decreases movement to the cervical spine. The Scoop is also ideal for hip injuries and for accident victims found on the street.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

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RESCUE DEVICES

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SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



RL-10 CONIC STRETCHER

- Ideal for confined space, high angle or technical rescue, and traditional land based applications
- Equipped with 2 pieces of 35 kN slings for horizontal hoisting by helicopter or vertical hoisting in caves or industrial confined spaces
- When the patient is packaged the stretcher becomes rigid
- Main body is made of high strength polyethylene material
- Eyelets rivets on the belts are made of stainless steel
- 1 piece of 23 Kn strength vertical evacuation rope
- 4 pieces of handles (2for each on left and right side of the stretcher)
- 4 pieces of slings to be connected on eyelets rivets
- 1 pcs of 50 kN triple action karabiner
- The stretcher is rolled for storage in a tough backpack which is included with the system
- Stretcher dia is 27 cm and length is 93 cm when rolled
- Stretcher back bag sizes: 31 cm x 95 cm (Dia x Length), stretcher sizes 27x 93 x 250 cm (Dia x Width x Length)

Weight : 8,4 kg
Standard: EN 1865







RL-6 **BASKET STRETCHER**

- Shaped to accommodate an adult in a face up position
- Used in search & rescue operations
- Ideal for lifting and transporting by helicopter
- Supports four point bridle (optional)

Material : Stainless Steel 316
Carrying Strength: 22 kN
Width : 59 cm
Length : 210 cm
Height : 20 cm
Weight : 12 kg



RL-4 A **BASKET STRETCHER**

- Shaped to accommodate an adult in a face up position
- Used in search & rescue operations
- Ideal for lifting and transporting by helicopter
- Supports four point bridle (optional)

Material : Steel (oven-drying)
Carrying Strength: 22 kN
Width : 64 cm
Length : 204 cm
Height : 24 cm
Weight : 12 kg



RL-46
NEIL ROBERTSON STRETCHER

- Lightweight and compact compared to other stretchers, provides more freedom of movement and flexibility of use
- Designed for removing an injured person from spaces wherein access, doors, or hatches are too small to permit the use of regular stretchers
- Can be used for Horizontal or Vertical Rescue
- Can be used together with the Spine Boards
- Made of Fire retardant, friction and tear resistant 1100 denier Polyester/ PVC canvas
- Provided with 8 carrying straps to hold the person with almost negligible movement with respect to stretcher

Carrying Capacity: 150 kg
Width : 65 cm
Length : 195 cm
Height : 6 cm
Weight : 4,5 kg
Standard : EN 1865



RL-4
BASKET STRETCHERS (PLASTIC)

- It can be used together with the Spine Boards
- HDPE Body
- Hand holes for easy transporting
- Four point lifting bridle

Carrying Capacity: 175 kg
Width : 63 cm
Length : 217 cm
Height : 20 cm
Weight : 14 kg



RL-4 E
FOUR POINT BRIDLE FOR BASKET STRETCHERS

- Made of 45 mm high tenacity polyester webbing.
- Adjustable legs
- Carrying rings (10 kN)
- 4 x K-2 model karabiner (28 kN, EN 362)
- High tenacity bounded type UV and dust resistant sewing yarn.
- Suitable to use with RL-4 and RL-4A model stretchers

- HARNESSES
- LANYARDS AND SHOCK ABSORBERS
- CARABINERS
- PULLEYS
- ANCHORAGES
- ASCENDERS
- DESCENDERS
- HELMETS
- MOBILE FALL ARRESTERS
- RETRACTABLE FALL ARRESTERS
- RESCUE DEVICES
- TRIPOD AND CANTILEVER ARMS
- STRETCHERS**
- ROPES
- BAGS AND ACCESSORIES
- SAFETY NETS
- VERTICAL LIFELINE
- HORIZONTAL LIFELINE
- DEFENCE
- LIFTING EQUIPMENT



RL-1 FOLDING POLE STRETCHER

- Very easy to carry and practical
- Aluminum alloy poles and hinged cross spreaders which provide strength and durability
- Poles constructed of high quality aluminum alloy
- Fire retardant, friction and tear resistant 1100 denier Polyester / PVC fabric
- Folding into half its length for convenient storage

Carrying Capacity: 150 kg
Width : 55 cm
Length : 210 cm
Height : 13 cm
Weight : 6,0 kg
Standard : EN 1865



RL-2 FOLDING POLE STRETCHER

- Folds in both length & width to an extremely compact size
- Poles constructed from lightweight aluminum for easy lifting

Carrying Capacity: 150 kg
Width : 55 cm
Length : 210 cm
Height : 13 cm
Weight : 6,5 kg
Standard : EN 1865



RL-3 FOLDING POLE STRETCHER

- Poles constructed of high quality aluminum alloy
- Fire retardant, friction and tear resistant 1100 denier Polyester / PVC fabric

Carrying Capacity: 170 kg
Width : 55 cm
Length : 210 cm
Height : 13 cm
Weight : 4,7 kg
Standard : EN 1865



RL-44
SPINE BOARD STRETCHERS

- Compatible with most head immobilizer
- Outer body is made of high tenacity ABS material, Inner core is made of high-intensity PU
- X-ray translucent

Carrying Capacity: 250 kg
Width : 45 cm
Length : 185 cm
Height : 4 cm
Weight : 5,4 kg
Standard : EN 1865

Optional Accessories

- Head immobilizer
- Safety Belt

RL-5
SCOOP STRETCHER

- A scoop stretcher has a structure that can be split vertically into two parts
- Open-center design permits patient to be X-rayed.
- Telescoping tubes allow length adjustments to fit patients of various heights

Carrying Capacity: 170 kg
Width : 42 cm
Length : 166 cm
Height : 7 cm
Weight : 10 kg
Standard : EN 1865

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





LUPA® STATIC 10.5



LUPA® STATIC 11



LUPA® STATIC 11 (EYELET)



LUPA® ACCESSORY

STATIC ROPES

Static ropes are an ideal solution for rappelling, rescue operations and instructional use.



ARAMID FIGHTER

Specially designed for the activities involved in hot working environments. Ideal solution for firefighters and foresters in emergency situations and rescue operations.



LUPES SAFETY TWIST

Personal safety rope is designed to work with systems having F-2 It is also suitable to use with F-3 and F-1.



LUPA® FAST ROPE

LOOP TYPES



M



SE

LUPA® FAST ROPE

Fast Rope is useful for deploying troops from a helicopter in places where the helicopter itself cannot touch down.



ERC-100



RP-100



RP-50

ROPE PROTECTORS

Designed to protect rope from sharp edges.



G-18



G-18 A

RAPPELLING GLOVES

Designed for rope access professionals.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



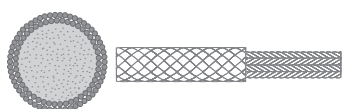
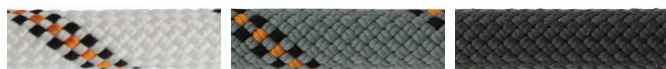
LUPA® STATIC 10,5 MM

- Designed for rescue operations and rope access techniques
- Made of High Tenacity Polyamide Fiber (S/Z Twist)
- Formed by core and protector cover
- Excellent hand-grip feature
- High resistance against abrasion
- High UV resistance
- Identification tape inserted (with information of relative standard, type of rope, brand)

Dia	: 10,5 mm
Standard	: EN 1891
Type	: A
Weight	: 67 gr/mt
Breaking Strength	: 27 kN
Breaking Strength with Knot	: 18 kN
Static Stretching	: % 2,7
Sheath Slippage	: 0
Wet Tensile Strength	: % 3,3
Knot Flexibility	: 1
Stitched Eyes Strength	: 24 kN
Eight Knot Strength	: 16 kN

Standard Lengths;

- 50, 100, 150 & 200 Meter White With Dots
- 50, 100, 150 & 200 Meter Grey With Dots
- 50, 100, 150 & 200 Meter Plain Black



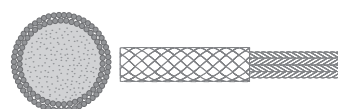
LUPA® STATIC 11 MM

- Designed for rescue operations, rope access techniques and difficult work environments
- Made of High Tenacity Polyamide Fiber (S/Z Twist)
- Formed by core and protector cover
- Excellent hand-grip feature
- High resistance against abrasion
- High UV resistance
- Identification tape inserted (with information of relative standard, type of rope, brand)

Dia	: 11 mm
Standard	: EN 1891
Type	: A
Weight	: 78 gr/mt
Breaking Strength	: 28 kN
Breaking Strength with Knot	: 19 kN
Static Stretching	: % 2,7
Sheath Slippage	: 0
Wet Tensile Strength	: % 3,3
Knot Flexibility	: 1
Stitched Eyes Strength	: 25 kN
Eight Knot Strength	: 16 kN

Standard Lengths;

- 50, 100, 150 & 200 Meter White With Dots
- 50, 100, 150 & 200 Meter Grey With Dots
- 50, 100, 150 & 200 Meter Plain Black





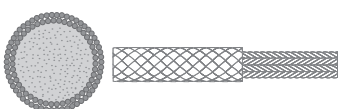
LUPA® STATIC 11 MM (EYELET)

- Designed for rescue operations and rope access techniques
- Made of High Tenacity Polyamide Fiber (S/Z Twist)
- Formed by core and protector cover
- Excellent hand-grip feature
- High resistance against abrasion
- High UV resistance
- Identification tape inserted (with information of relative standard, type of rope, brand)

Dia	: 11 mm
Standard	: EN 1891
Type	: A
Weight	: 78 gr/mt
Breaking Strength	: 28 kN
Breaking Strength with Knot:	19 kN
Static Stretching	: % 2,7
Sheath Slippage	: 0
Wet Tensile Strength	: % 3,3
Knot Flexibility	: 1
Stitched Eyes Strength	: 25 kN
Eight Knot Strength	: 16 kN

Standard Lengths;

- 50, 100, 150 & 200 Meter White With Dots
- 50, 100, 150 & 200 Meter Grey With Dots
- 50, 100, 150 & 200 Meter Plain Black



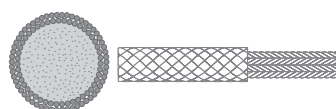
LUPA® ACCESSORY 7 MM

- Designed to pull and lift up materials
- Made of High Tenacity Polyamide Fiber (S/Z Twist)
- Formed by core and protector cover
- Excellent hand-grip feature
- High resistance against abrasion
- High UV resistance

Dia	: 7 mm
Standard	: EN 564
Type	: A
Weight	: 32 gr/mt
Breaking Strength	: 13 kN
Breaking Strength with Knot:	7 kN
Wet Tensile Strength	: % 3,3
Stitched Eyes Strength	: 10 kN
Eight Knot Strength	: 7,5 kN

Standard Lengths;

- 50, 100, 150 & 200 Meter White With Dots
- 50, 100, 150 & 200 Meter Orange With Dots
- 50, 100, 150 & 200 Meter Plain Black



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



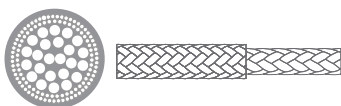
ARAMID FIGHTER

- Made of % 100 Kevlar (Flame retardant)
- 300°C working temperature
- Formed by core and protector cover
- Excellent hand-grip feature
- High resistance against abrasion
- Extremely low stretch
- No creep under constant loads

DIA (Ø)	WEIGHT (kg/100 mt)	B. STRENGTH (kgf)
8	5,60	2.100
10	8,75	3.180
11	10,58	4.000
12	12,60	4.600
14	17,15	6.200
16	22,40	8.000

Standard Lengths;

- 50 mt
- 100 mt
- 150 mt
- 200 mt



LUPES® SAFETY TWIST

- Made of % 100 High Tenacity Polyester Fibers
- 3 strands twisted
- High durability
- Excellent hand-grip feature
- High resistance against abrasion
- Easy to splice
- Durable

DIA (Ø)	WEIGHT (kg/100 mt)	B. STRENGTH (kgf)
12	8,88	3.070
14	12,10	4.080
16	15,80	5.290

Standard: EN ISO 1141

Standard Lengths;

- 100 mt
- 200 mt





LOOP TYPES



FAST ROPE-M



FAST ROPE-SE

ART. NO	DIA	WEIGHT	B. STRENGTH
	(Ø)	(kg/100 mt)	(kgf)
051 032	32	42,00	7.500
051 040	40	60,00	10.000
051 044	44*	77,00	12.000

* Dia if not under load: Ø : 50 mm



LUPA® FAST ROPE

- Material** : High Tenacity Mat Polyamide Fiber
- Construction** : 8 Strands
- Features** : Very Good Abrasion Resistance, High Durability
- Max. Elongation at Break:** % 59
- Density** : 1,14 kg/dm³
- Color** : Military Green/Desert Sand
- Standard** : MIL-F-44422
- Length** : 30 /60/90/120 Feet Coil

HARNESSES

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DEFENCE

LIFTING EQUIPMENT





ERC-100
ROPE PROTECTOR

- Designed to guide and protect a moving and stationary rope from abrasion and sharp edges
- Lightweight modules connected by quick links to follow the contours of the surface
- Supplied in kit form
- Kit includes 4 modules and 6 quick links for assembly

RP-100
ROPE PROTECTOR

- Protects rope against abrasion on rough surfaces and edges
- Velcro closure makes it easy to put on and remove from the rope at any time
- Inner part is made of high tenacity fabric
- Available in 1,20 mt

RP-50
ROPE PROTECTOR

- Protects rope against abrasion on rough surfaces and edges
- Velcro closure makes it easy to put on and remove from the rope at any time
- Thick canvas construction for increased protection
- Available in 1,20 mt





G-18 RAPPELLING GLOVES (FULL-FINGER)

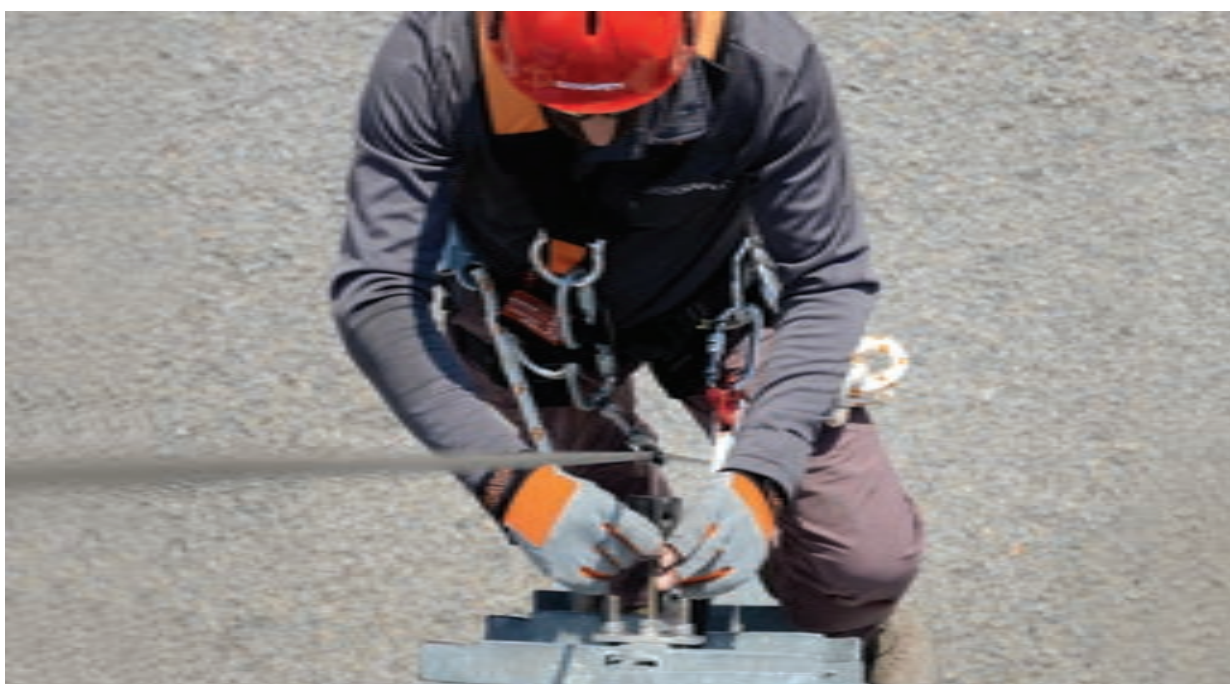
- Ideal for abseiling and rescue
- Premium synthetic leather palm and fingertip patches
- Velcro wrist fastening
- Full finger

Standard: EN 388

G-18 A RAPPELLING GLOVES (3-CUT FINGER)

- These highly specialized gloves offer versatility in jobs where multiple tasks are being performed
- Premium synthetic leather palm and fingertip patches
- Velcro wrist fastening
- The fingertips are open on the thumb, index and middle digits. User can switch from one task (like material handling) to another (data entry requiring touch sensitivity) without having to remove gloves

Standard: EN 388



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

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RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

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SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





BG-05



BG-10



BG-06



BG-15

BG-05
CARRYING BAG

- Special design for carrying work at height equipment
- Produced from high tenacity PES canvas
- 45 mm polyester shoulder straps

Weight : 693 gr
Dia : 30 cm
Height : 50 cm
Volume: 35 L

BG-06
CARRYING BAG

- Special design for carrying work at height equipment
- Produced from high tenacity PES canvas
- 45 mm polyester shoulder straps

Weight : 548 gr
Dia : 30 cm
Height : 50 cm
Volume: 35 L

BG-10
CARRYING BAG

- Made of 1900 denier special fabric
- Bottom supported with 5 mm foam pad
- 450 polyester lining
- Edges are coated with plastic cord
- Metal transporter buckles
- Type 8 zipper
- Carrying straps are made of 45 mm polyester webbing (2900 kg tensile strength)

Weight : 1.330 gr
Width : 65 cm
Length : 30 cm
Height : 30 cm
Volume: 58,5 L

BG-15
CARRYING BAG

- Produced from high tenacity water proof cloth
- Concealable back strap pads
- Additional shoulder strap if needed
- Material space separated with zipper
- Wallet, Passport space

Weight : 1.248 gr
Width : 30 cm
Length : 110 cm
Height : 45 cm
Volume: 58,5 L

HARNESSES

LANYARDS AND SHOCK ABSORBERS

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SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



MB-35
MATERIAL CARRYING BAG

- Two large, comfortable carrying handles
- Adjustable strap for carrying bandolier style
- Interior ring can be used as attachment point for rope
- Waterproof fabric
- Bag remains upright and has an exterior folding lid system that allows easy access to the contents of the bag

Weight : 1.198 gr
Dia : 30 cm
Height : 54 cm
Volume: 38 L



MB-20

MB-20
MATERIAL CARRYING BAG

- Two large, comfortable carrying handles
- Adjustable strap for carrying bandolier style
- Interior ring can be used as attachment point for rope
- Waterproof fabric
- Bag remains upright and has an exterior folding lid system that allows easy access to the contents of the bag

Weight : 805 gr
Dia : 25 cm
Height : 40 cm
Volume: 20 L



MB-10

MB-10
MATERIAL CARRYING BAG

- Two large, comfortable carrying handles
- Adjustable strap for carrying bandolier style
- Interior ring can be used as attachment point for rope
- Waterproof fabric
- Bag remains upright and has an exterior folding lid system that allows easy access to the contents of the bag

Weight : 405 gr
Dia : 21 cm
Height : 30 cm
Volume: 10 L



TP-05

TP-05
TOOL HOLDER

- Suitable for hanging tools while working at height
- Enables tools to be fixed at safety harness
- Prevents equipment from falling

Weight: 86.5 gr



TP-06

TP-06
TOOL HOLDER

- Attaches easily to the pack's internal loop for organizing gear
- Bags can be hung to the loop easily.
- There are four pieces loops.

Weight : 99,5 gr
Length : 57 cm
Loop pcs: 4



HT-1

HT-1
WAIST AXE

- Made of forged steel
- Isolated handle
- Multi-use for cutting and forcible entry

Weight : 1.150 gr
Size : 31 cm
Standard: DIN 14924



HT-2

HT-2
WAIST TYPE PICKAX

- Made of forged steel
- Wood handle

Weight : 2.500 gr
Handle Length: 90 cm
Standard : DIN 14900

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

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BAGS AND ACCESSORIES

SAFETY NETS

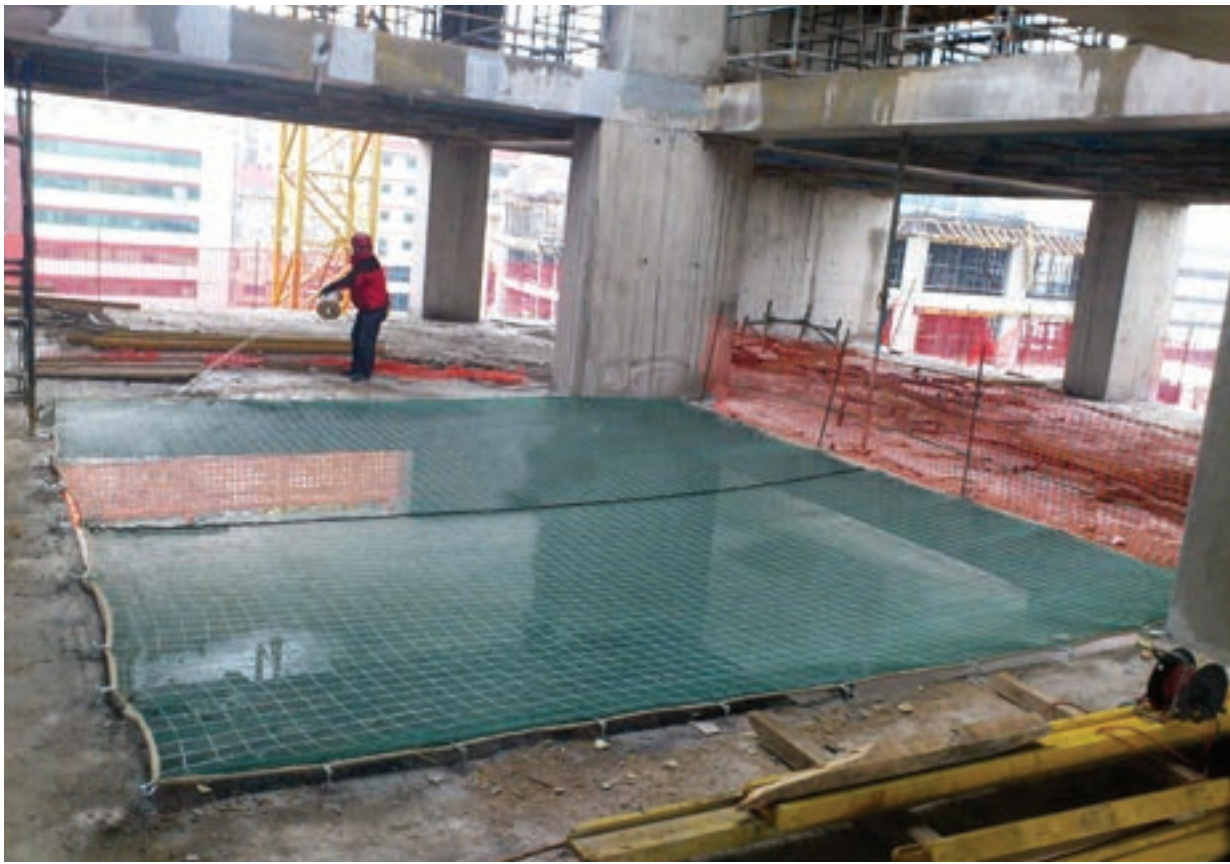
VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

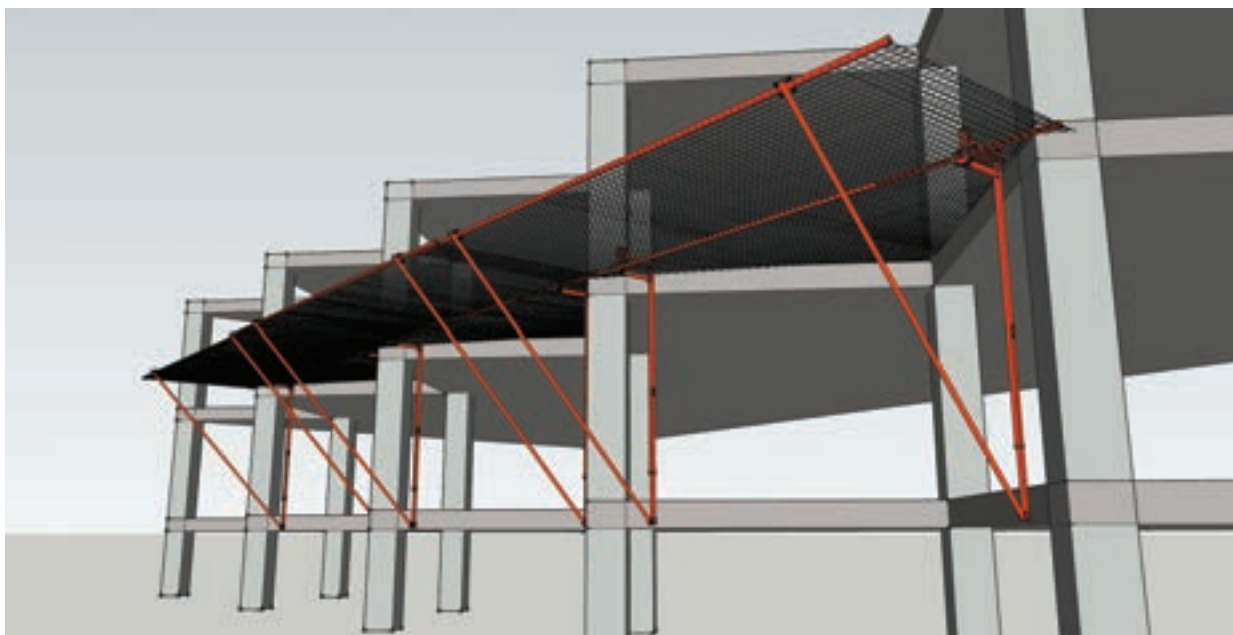
LIFTING EQUIPMENT





SN-100
SAFETY NET

Kaya Safety offers a wide range of Safety Nets that is widely used across construction industry. It enables the workers to work safely at great heights.



SNP-46
SAFETY NET PLATORM

These platforms are used on high-rise buildings to protect the workforce and pedestrians on the ground or the facade of the building while work is being carried out overhead.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

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RESCUE DEVICES

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BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



SN-100

PERSONNEL SAFETY NET

- Ideal for workplace safety, construction site safety, home renovation safety, preventing injury from falling tools, blocking small entrances to unsafe areas, protecting exposed openings in floor, stairs or windows
- Can be positioned horizontally or vertically
- UV Resistance
- Fabricated using polypropylene or polyamide ropes in such a manner that it gives competent cushioning and impact of the fall is absorbed thereby facilitating safety of the person working at the site
- Can also be supplied with a debris net laced together with safety net, enabling the net to catch any small pieces of debris
- Have high breaking strength that support heavy load impacts and stabilize against adverse atmospheric conditions to ensure longer life

Product Type: SN-100

Mesh Size : 100x100 mm

Standard : EN 1263-1

Size : Produced as per customer request.

Color : Orange or white

Material : High Tenacity Polypropylene or Polyamide

Rope Dia : 6 mm



SAFETY NET APPLICATION FOR WIDE FLOOR OPENINGS



SAFETY NET APPLICATION FOR ELEVATOR SHAFT



SAFETY NET APPLICATION FOR ROOF CHANGING AT FACTORY

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

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RESCUE DEVICES

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VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



SNP-46

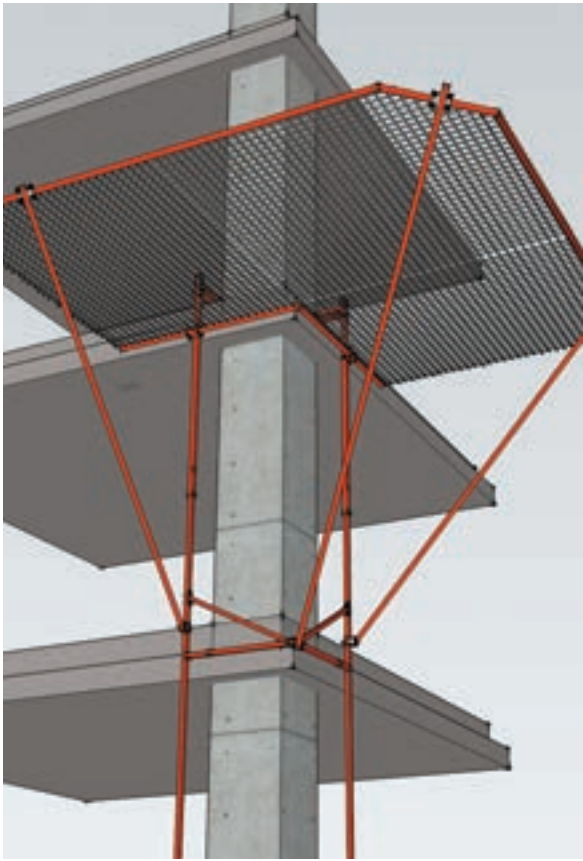
PERSONNEL SAFETY NET PLATFORM

- These platforms are used on high-rise buildings to protect the workforce and pedestrians on the ground or the facade of the building while work is being carried out overhead
- Can also be supplied with a debris net laced together with safety net, enabling the net to catch any small pieces of debris.
- Folds up against the facade for easy crane access below or as a safety precaution during bad weather
- The Safety Net Platform is easily assembled on the ground and lifted into place by crane.
- Can be adjusted to the desired floor height thanks to its telescopic legs
- The installation is done using different accessories to suit the building application.
- Long-lasting Long-life durability

Size : Standard size is: 4x6 mt but it can also be customized as per the precise specifications and demands of the client

Standard: EN 1263-1

PRODUCT CODE	TYPE	WIDTH (MT)	LENGTH (MT)
SNP-46 Tip 6		4	6
SNP-46 Tip 5		4	5
SNP-46 Tip 4		4	4
SNP-46 Tip 3		4	3
SNP-46 Tip 6P	With Buttress	4	6
SNP-46 Tip 5P	With Buttress	4	5
SNP-46 Tip 4P	With Buttress	4	4
SNP-46 Tip 3P	With Buttress	4	3



SAFETY NET PLATFORM APPLICATIONS AT BUILDING EDGES



SAFETY NET APPLICATION FOR BUILDING ENTRANCES



SAFETY NET PLATFORM APPLICATIONS FOR FACADES



HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

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MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





K-2020



K-2025

VERTICAL LIFELINES

Vertical lifeline is a permanent system that provides hands free fall protection for climbing ladders and other vertical structures. Available either with (K-2020) or without (K-2025) an energy absorber integrated in the top bracket.

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

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SAFETY NETS

VERTICAL LIFELINES

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



K-2020

VERTICAL LIFELINE WITH INTEGRATED SHOCK ABSORBER

- The system consists of stainless steel top and bottom brackets, stainless steel wire rope, shock absorber integrated in the top bracket and a stainless steel wire rope grab fall arrester (sold separately)
- Brackets are designed for ladder rungs but can be easily adapted to most structures
- The top mounting bracket incorporates a shock absorber, further reducing impact force on the worker and the structure

Recommended for

- Telecommunication towers
- Light poles
- Water towers
- Hydroelectric towers
- Stacks
- Any other climbable structure

Length : From 3 mt to desired length

Standard: EN 353-1, RfU CNB/P/11.073

System Components:

- AP-300A Top anchorage bracket
- AP-300B Bottom anchorage bracket
- FA-50 Shock absorber
- FS-40 Turnbuckle
- FC-30 Rope Guide
- F-5 Rope Grab
- LL-100 Wire rope



F-5

WIRE ROPE GRAB (FALL ARRESTER)

- A stainless steel wire rope grab (fall arrester) can be attached or removed from the cable at any point
- It is secured with a compatible carabiner
- The user is free to climb and descend with full use of the hands
- In the event of a fall, the fall arrester will quickly cam on the cable and arrest the fall

Standard: EN 353-1, RfU CNB/P/11.073

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL ARRESTERS

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SAFETY NETS

VERTICAL LIFELINES

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



K-2020A

VERTICAL LIFELINE WITH EXTENDED TOP BRACKET (SHOCK ABSORBER INTEGRATED)

- The system consists of stainless steel extended top bracket, bottom bracket, wire rope, shock absorber integrated in the extended top bracket and wire rope grab fall arrester (sold separately)
- Brackets are designed for ladder rungs but can be easily adapted to most structures
- Sold as complete system

System Components

- AP-300I Extended top anchorage bracket
- AP-300B Bottom anchorage bracket
- FA-50 Shock absorber
- FS-40 Turnbuckle
- FC-30 Rope Guide
- F-5 Rope Grab
- LL-100 Wire rope

Length : From 3 mt to desired length

Standard: EN 353-1, RfU CNB/P/11.073



F-5

WIRE ROPE GRAB (FALL ARRESTER)

- A stainless steel wire rope grab (fall arrester) can be attached or removed from the cable at any point
- It is secured with a compatible carabiner
- The user is free to climb and descend with full use of the hands
- In the event of a fall, the fall arrester will quickly cam on the cable and arrest the fall

Standard: EN 353-1, RfU CNB/P/11.073



K-2025

VERTICAL LIFELINE

- The system consists of stainless steel top and bottom bracket, wire rope and wire rope grab (fall arrester)
- Brackets are designed for ladder rungs but can be easily adapted to most structures
- Sold as complete system

System Components

- AP-300C Top anchorage bracket
- AP-300B Bottom anchorage bracket
- FS-40 Turnbuckle
- FC-30 Rope Guide
- F-5A Rope Grab
- LL-150 Wire rope

Length : From 3 mt to desired length
Standard: EN 353-1, RfU CNB/P/11.073



F-5A

WIRE ROPE GRAB WITH SHOCK ABSORBER

- A stainless steel wire rope grab (fall arrester) can be attached or removed from the cable at any point
- Incorporated shock absorber will reduce impact force on the worker in the event of a fall
- The user is free to climb and descend with full use of the hands

Standard: EN 353-1, RfU CNB/P/11.073



K-2025A VERTICAL LIFELINE WITH EXTENDED TOP BRACKET

- The system consists of stainless steel extended top bracket, bottom bracket, wire rope and wire rope grab (fall arrester)
- Brackets are designed for ladder rungs but can be easily adapted to most structures
- Sold as complete system

System Components

- AP-300I Extended top anchorage bracket
- AP-300B Bottom anchorage bracket
- FS-40 Turnbuckle
- FC-30 Rope Guide
- F-5A Rope Grab
- LL-150 Wire rope

Length : From 3 mt to desired length
Standard: EN 353-1, RfU CNB/P/11.073



F-5A WIRE ROPE GRAB WITH SHOCK ABSORBER

- A stainless steel wire rope grab (fall arrester) can be attached or removed from the cable at any point
- Integrated shock absorber will reduce impact force on the worker in the event of a fall
- The user is free to climb and descend with full use of the hands

Standard: EN 353-1, RfU CNB/P/11.073

HARNESSES

LANYARDS AND
SHOCK ABSORBERS

CARABINERS

PULLEYS

ANCHORAGES

ASCENDERS

DESCENDERS

HELMETS

MOBILE FALL
ARRESTERS

RETRACTABLE
FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND
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STRETCHERS

ROPES

BAGS AND
ACCESSORIES

SAFETY NETS

VERTICAL LIFELINES

HORIZONTAL
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DEFENCE

LIFTING
EQUIPMENT



AP-300A



FA-50



FS-40



AP-300B



FC-30



LL-100

AP-300A
TOP ANCHORAGE BRACKET

- 316 grade stainless steel

Standard: EN 353-1, RfU 11.073

AP-300B
BOTTOM ANCHORAGE BRACKET

- 316 grade stainless steel

Standard: EN 353-1, RfU 11.073

FA-50
SHOCK ABSORBER

- 316 grade stainless steel

Standard: EN 353-1, RfU 11.073

FC-30
ROPE GUIDE

- 316 grade stainless steel
- Installed every 10 mt

Standard: EN 353-1, RfU 11.073

FS-40
TURNBUCKLE

- 316 grade stainless steel

Standard: EN 353-1, RfU 11.073

LL-100
LIFELINE

- 316 grade stainless steel

Standard: EN 353-1, RfU 11.073



AP-300C



FS-40



F-5A



AP-300B



FC-30



LL-150

AP-300C
TOP ANCHORAGE BRACKET

- 316 grade stainless steel
- Standard:** EN 353-1, RfU 11.073

AP-300B
BOTTOM ANCHORAGE BRACKET

- 316 grade stainless steel
- Standard:** EN 353-1, RfU 11.073

FS-40
TURNBUCKLE

- 316 grade stainless steel
- Standard:** EN 353-1, RfU 11.073

FC-30
ROPE GUIDE

- 316 grade stainless steel
- Installed every 10 mt
- Standard:** EN 353-1, RfU 11.073

LL-150
LIFELINE

- 316 grade stainless steel
- Standard:** EN 353-1, RfU 11.073

F-5A
WIRE ROPE GRAB

- 316 grade stainless steel
- Standard:** EN 353-1, RfU 11.073

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AP-300L
ROPE EXTENSION

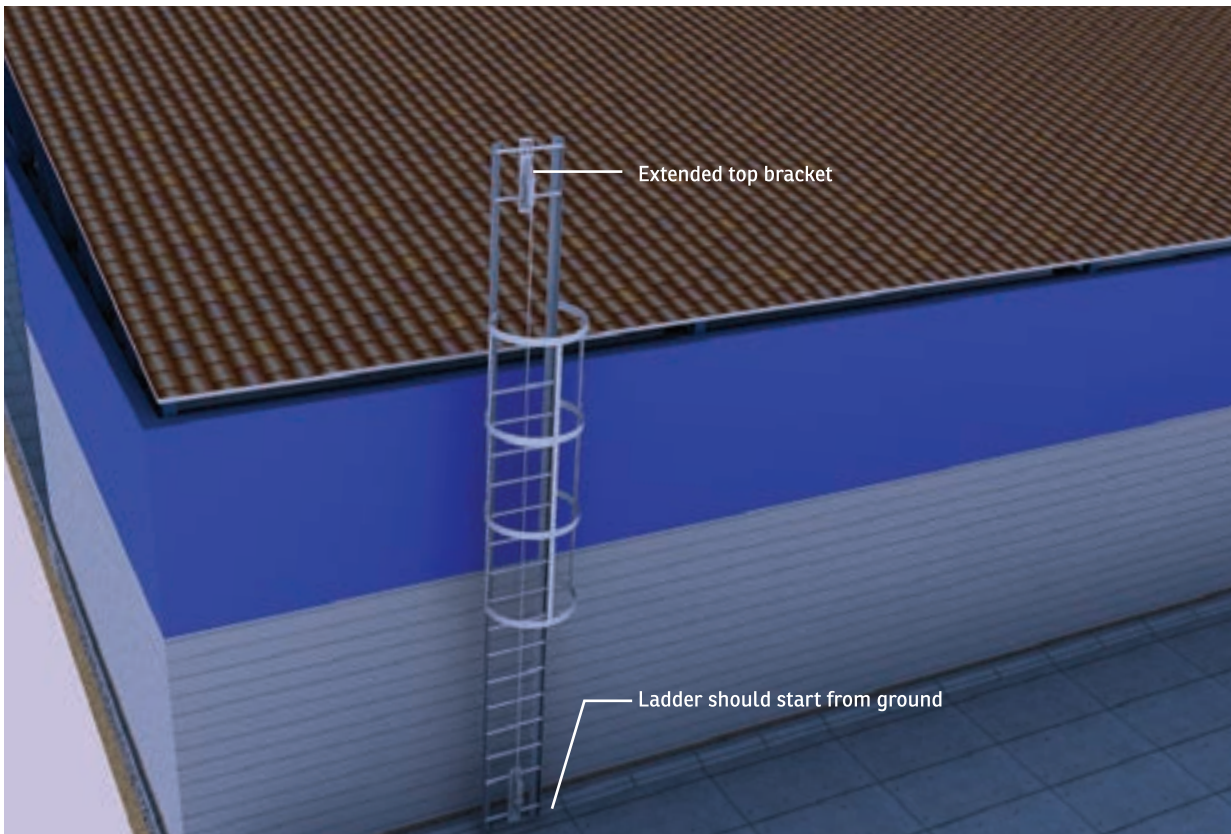
- Installed on most ladders



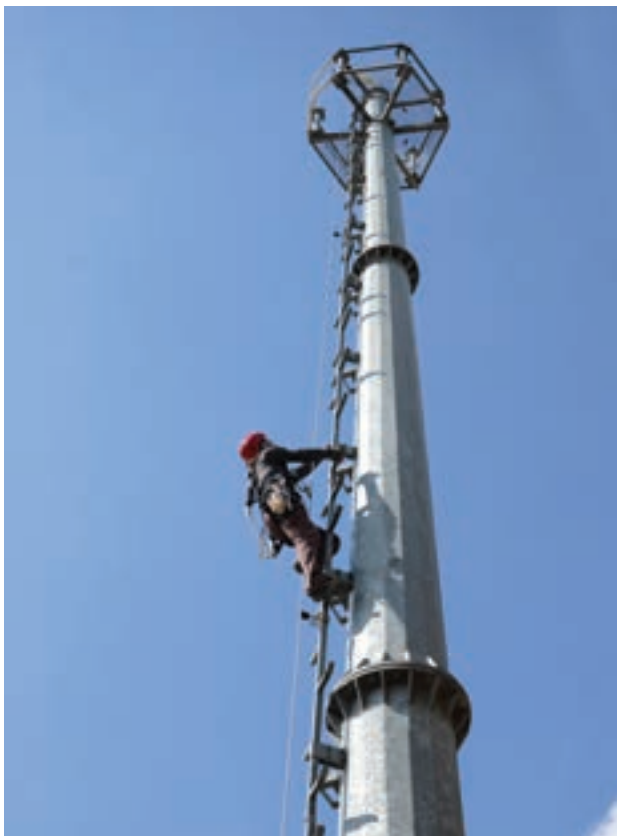
AP-300I
EXTENDED TOP BRACKET

- 304 grade stainless steel
- integrated in the top bracket

Standard: EN 353-1, RfU 11.073



ACCESSING ROOFS



MONOPOL LIGHT POLES AND TOWERS

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K-2010 HORIZONTAL LIFELINE

PERMANENT HORIZONTAL LIFELINES

Permanent Horizontal Lifeline Systems allow one worker or multiple workers freedom of movement along a horizontal axis while providing a hands-free fall protection.



R27

R32

HORIZONTAL RAIL SYSTEM

System allows workers freedom of movement and the ability to lock into position while working on roof-top, crane runway, bridge or outdoor construction site, or any other elevated work area that poses a fall risk to personnel.



MHL-20

MOBILE HORIZONTAL LIFELINE

If there is no permanent lifeline system on the roof then mobile lifeline system may be installed for safe work to be performed. This system must be installed by competent person who has the necessary technical skills and training.

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RESCUE DEVICES

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BAGS AND ACCESSORIES

SAFETY NETS

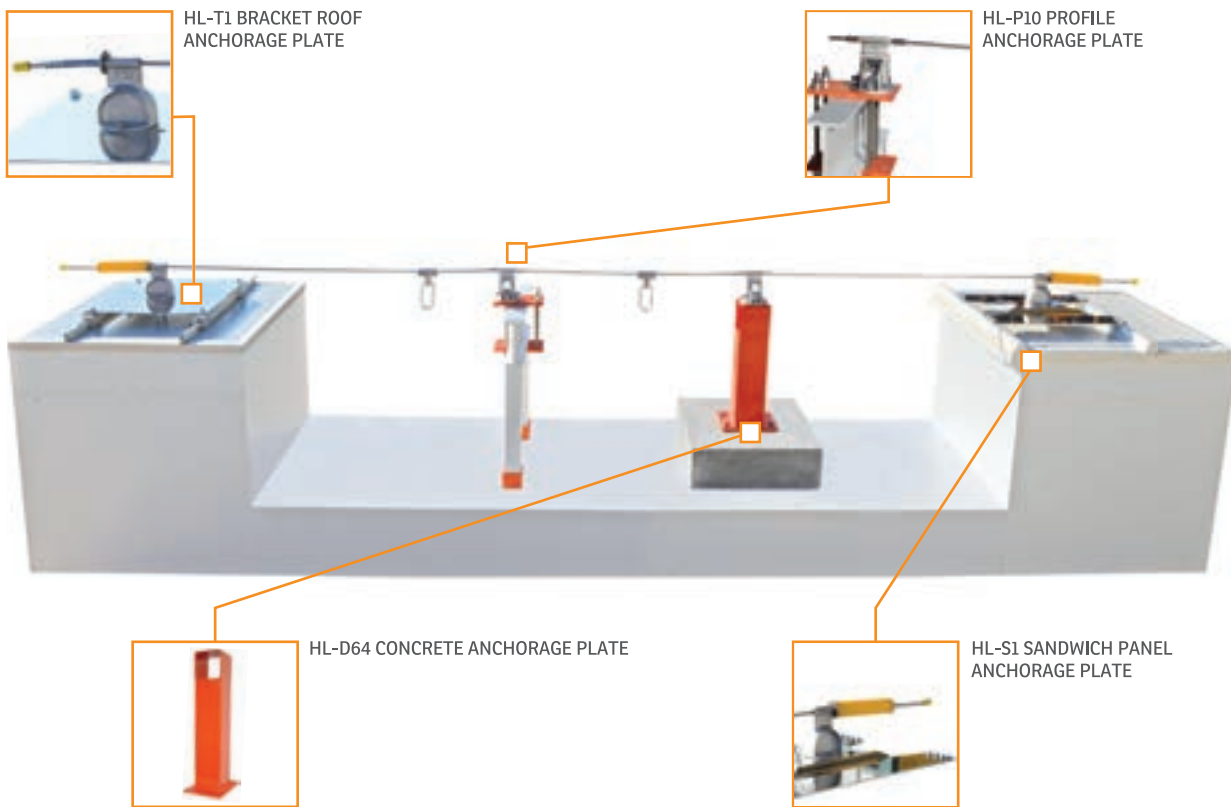
VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT





K-2010 HORIZONTAL LIFELINE

- Allows workers freedom of movement along a horizontal axis while providing a hands-free fall protection
- Recommended to be used together with fall arrest systems and safety harnesses
- In the event of a fall protection accident, the energy of the fall will be absorbed by the integrated shock absorber
- System is made of 316 grade stainless steel

System Components:

- ANB-100 Main anchorage bracket
- ARB-100 Intermediate anchorage bracket
- SRY-50 Slider
- EA-200 Shock absorber
- LL-200 Wire rope

Length : From 3 mt to desired length
Standard: EN 795 C

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HL-D 64
POLE ANCHOR

Material : Steel
Standard: EN 795 C



HL-K 1
FLAT ANCHOR

Material : Steel
Standard: EN 795 C



HL-K 64
CONSOLE ANCHOR

Material: Steel
Standard: EN 795 C



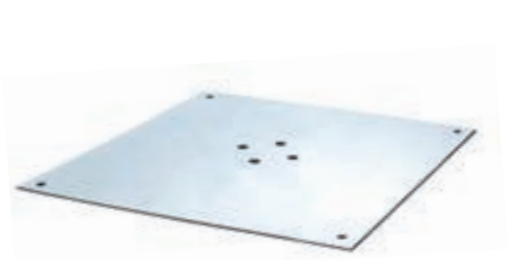
HL-P 10
PROFILE ANCHOR

Material: Stainless Steel
Standard: EN 795 C



HL-S 1
SANDWICH PANEL

Material: Stainless Steel
Standard: EN 795 C



HL-T 1
SEAM ROOF ANCHOR

Material: Stainless Steel
Standard: EN 795 C



SRY-50 SLIDER

- Slider allows you to effortlessly move along the horizontal wire rope and through all anchorage points, including curves, corners, and ridge tops without ever needing to disconnect from the stainless steel wire rope
- 316 grade stainless steel
- Long lasting

Standard: EN 795 C



ANB-100 MAIN ANCHORAGE BRACKET



ARB-100 INTERMEDIATE ANCHORAGE BRACKET

ANB-100 MAIN ANCHORAGE BRACKET

- 316 grade stainless steel
- Easy installation
- Long lasting

Standard: EN 795 C

ARB-100 INTERMEDIATE ANCHORAGE BRACKET

- Installed every 10 mt
- 316 grade stainless steel
- Easy installation
- Long lasting

Standard: EN 795 C



EA-200 SHOCK ABSORBER



LL-200 LIFELINE

EA-200 SHOCK ABSORBER

- Installed 1 pcs in a system
- Limits the fall arrest force in a fall situation

Standard: EN 795 C

LL-200 LIFELINE

- 7 x 19, 316 grade stainless steel
- Easy installation
- Long lasting

Standard: EN 795 C

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K-2010 HORIZONTAL LIFELINE- ETERNIT ROOF APPLICATION



K-2010 HORIZONTAL LIFELINE – TRUCKING PLATFORM



K-2010 HORIZONTAL LIFELINE – APPLICATION FOR TRUCKING PLATFORM

HARNESSES

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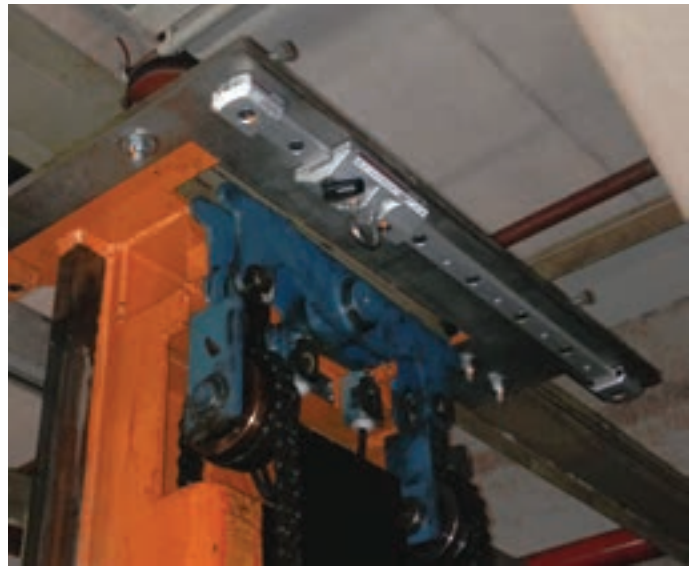
SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



R32 HORIZONTAL RAIL SYSTEM

- Rigid Class D fall arrest rail system
- Anodized aluminum T6 6061 for high corrosion resistance
- Small dimension: 19x32 mm
- Torlon® recirculating balls car, for a high strength and smoothness.
- Any position mounting (wall, ceiling)
- Fixing in adhesion to the laying surface

Maximum Working Load: 300 kg

Standard : EN 795.2012 Type D, CEN/TS 16415 for 4 operators

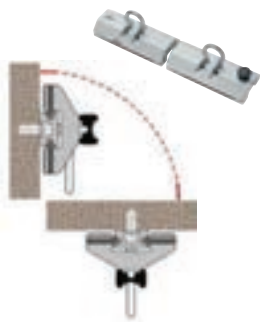
Resistance : The Access Rail system is designed for extreme marine conditions and requires only minimal maintenance, even when it is installed in tough condition.

Safety : The Rail systems provide a reliable solution for single-person in fall restraint in the fall arrest and suspended working applications. When appropriately positioned and installed with PPE Personal Protection Equipment, the Access Rail allows the operator to work at height locked in position, with the ability to change the position when it is required.

Flexibility : Rail and cars can be mounted to slide from multiple positions. A wheel toggle attachment is available to achieve a 90-degree angle.



RAIL AND CAR MOUNTING POSITIONS



COMPONENTS



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LIFTING EQUIPMENT



R27

HORIZONTAL RAIL SYSTEM

- Rigid Class D fall arrest rail system
- 2 possible uses: Safety Lifeline or Human Suspension
- Anodized aluminum T6 6061 for high corrosion resistance
- Small dimension: 14x27 mm
- Torlon® recirculating balls car, for a high strength and smoothness
- Any position mounting (floor, wall, ceiling)
- Fixing in adhesion to the laying surf

Maximum Working Load: 136 kg

Standard : EN 795:2012 Type D, CEN/TS 16415 for 2 operators

Resistance : The Access Rail system is designed for extreme marine conditions and requires only minimal maintenance, even when it is installed in tough condition.

Safety : The Rail systems provide a reliable solution for single-person in fall restraint in the fall arrest and suspended working applications. When appropriately positioned and installed with PPE Personal Protection Equipment, the Access Rail allows the operator to work at height locked in position, with the ability to change the position when it is required.

Flexibility : Rail and cars can be mounted to slide from multiple positions. A wheel toggle attachment is available to achieve a 90-degree angle.



HARNESSES

LANYARDS AND SHOCK ABSORBERS

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ANCHORAGES

ASCENDERS

DESCENDERS

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RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

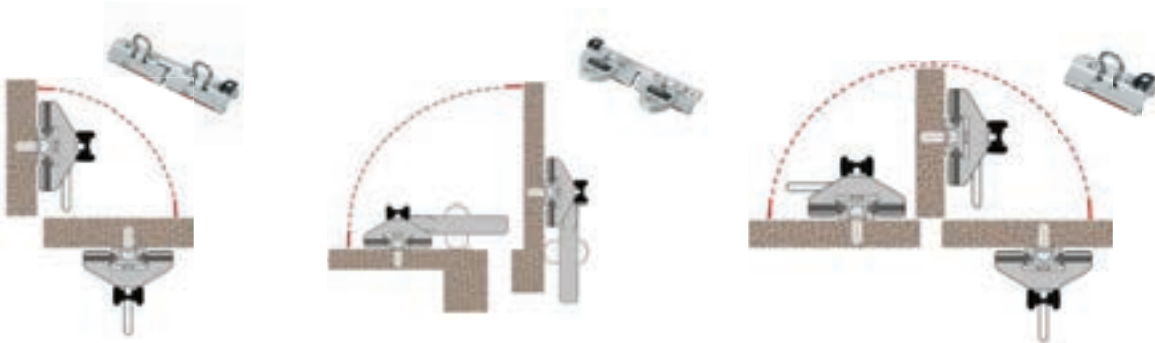
VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT

RAIL AND CAR MOUNTING POSITIONS



COMPONENTS



IN1643



IN9561



IN1642



IN1649



IN9565



IN9608



IN9606



IN10567





MHL SERIES

MOBILE HORIZONTAL LIFELINE

- If there is no permanent lifeline system on the roof then mobile lifeline system may be installed for safe work to be performed.
- Can be adjusted in between 1 mt to 20 mt
- This system must be installed by competent person who has the necessary technical skills and training.

Standard: EN 795 C

Types:

- MHL-10** Mobile horizontal lifeline (10 mt)
- MHL-20** Mobile horizontal lifeline (20 mt)

Note: We strongly recommend using F-7 anchorage sling (2 times the length of the profile) and K-14 / 3A carabiner for easy installation of the system.



**K-14/3A
CARABINER**



**F-7
ANCHORAGE SLING**

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HORIZONTAL LIFELINE APPLICATION ON CRANE RUNWAY







FLAT ROOF EDGE PROTECTION SYSTEMS

- Designed for work areas and walkways on roofs where the height of the fall is more than 3.0 mt
- Minimum components for ease of installation
- Provides collective protection for all working on a roof

Components;



FLAT ROOF GUARDRAIL POST

Length : 2,4 m
Weight : 13,7 kg
Material No : 2666.010



ADVANCE GUARDRAIL POST

Length : 1.7 m **Length** : 2.3 m
Weight : 3,2 kg **Weight** : 4,0 kg
Material No: 4031.207 **Material No** : 4031.307



FLAT ROOF BALLAST

Dimensions: 0,3 x 0,23 m (UxG)
Weight : 0,6 kg
Material No: 2666.050



SUPPORT FOR FLAT ROOF GUARDRAIL

Dimensions: 0,69 x 0,25 x 0,16 m (UxYxG)
Weight : 19,0 kg
Material No: 2666.060

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P-455 YO D BLACK

FALL ARREST AND WORK POSITIONING SUSPENSION HARNESS

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Rope Access, Restraint, Work Positioning, Climbing, Control Descent and Rescue
- Back and Chest D-Rings for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- Incorporated Chest Ascender Provides an Easy and Secure Attachment Point and Makes Climbing Up the Rope Smoother and More Effective
- 2 x waist D-Rings for Work Positioning
- 1 x D-ring in Abdominal Area for Working in Suspension
- Suspension Trauma Straps
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Back, Waist, Leg and Shoulder Pads
- Special design Aluminum D rings
- Stainless steel AB-45 Automatic Leg Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 4 x Gear Loops

Size : S/M, L/XL, XXL
Weight : 2.420 gr (S/M), 2.510 gr (L/XL), 2.630 gr (XXL)
Color : Black
Standard: EN 361, EN 358, EN 813, EN 12277



P-455 Y BLACK

FALL ARREST AND WORK POSITIONING SUSPENSION HARNESS

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Rope Access, Restraint, Work Positioning, Climbing, Control Descent and Rescue
- Back and Chest D-Rings for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- 2 x waist D-Rings for Work Positioning
- 1 x D-ring in Abdominal Area for Working in Suspension
- Suspension Trauma Straps
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Back, Waist, Leg and Shoulder Pads
- Special design Aluminum D rings
- Stainless steel QB-45 Automatic Buckles
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x PVC Coated Gear Loops

Size : S/M, L/XL, XXL
Weight : 1.878 kg (S/M), 1.970 kg (L/XL), 2.079 kg (XXL)
Color : Black
Standard: EN 361, EN 358, EN 813, EN 12277

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TS-30
SUSPENSION TRAUMA STRAPS

- Designed to prevent suspension trauma while a worker is awaiting rescue
- Helps suspended users to overcome the potential negative health impacts of suspension trauma
- Made of 30 mm High Tenacity Webbing
- Comes with Fast Adjustable Buckles Attached to the Webbing

Weight: 188 gr (2 pcs)
Color : Black



STAR
BOSUN'S CHAIR

- Ideal for working short or extended periods in suspension; windows cleaning, maintenance, painting etc.
- 3 x gear loops
- Does not provide any fall protection and must be used with an appropriate fall arrest and rescue system

Weight : 1.420 gr
Color : Black

STAR COMFORT
BOSUN'S CHAIR

- Ideal for working short or extended periods in suspension; windows cleaning, maintenance, painting etc.
- Wide Sitting Area Provides Comfortable Sitting and Working Position
- Webbing ladder for resting
- 3 x gear loops
- Does not provide any fall protection and must be used with an appropriate fall arrest and rescue system

Weight : 1.530 gr
Color : Black



ACB-40B
CLIMBING & RAPPELLING BELT

- Designed for tactical situations with long hang time
- Quick adjust buckles to accommodate a variety of sizing requirements
- Made of 40 or 45 mm high tenacity polyester webbing
- 1 x Aluminum K-13/3A triple action karabiner

Size : S/M, L/XL, XXL
Weight : 439 gr
Color : Black
Standard: ISO 9001: 2008

ACB-40D
CLIMBING & RAPPELLING BELT

- Designed for tactical situations with long hang time
- Quick adjust buckles to accommodate a variety of sizing requirements
- Made of 40 or 45 mm high tenacity polyester webbing
- 1 x Aluminum K-13/3A triple action karabiner

Size : S/M, L/XL, XXL
Weight : 536 gr
Color : Desert
Standard: ISO 9001: 2008

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RB-45B



RB-40D

RB-45B
RAPPELING BELTS

- Designed for Emergency Rappel
- Made of 45 mm high tenacity polyester webbing
- Quick adjust buckles to accommodate a variety of sizing requirements

Size : S/M, L/XL, XXL
Weight : 242 gr
Color : Black
Standard: ISO 9001: 2008

RB-40D
RAPPELING BELTS

- Designed for Emergency Rappel
- Made of 40 mm high tenacity polyester webbing
- Quick adjust buckles to accommodate a variety of sizing requirements

Size : S/M, L/XL, XXL
Weight : 322 gr
Color : Desert
Standard: ISO 9001: 2008



DL-25B



DL-25D

DL-25B
RAPPELING LANYARD

- Made of high tenacity polyester webbing
- 5 attachment loops
- Total length is 57 cm
- Available in Black and Desert color

Weight : 48,50 gr
Color : Black
Standart: ISO 9001: 2008

DL-25D
RAPPELING LANYARD

- Made of high tenacity polyester webbing
- 5 attachment loops
- Total length is 57 cm
- Available in Black and Desert color

Weight : 53,50 gr
Color : Desert
Standart: ISO 9001: 2008



**I-451
RESCUE HARNESS**

- 1 x special design abdominal aluminium D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist and Leg Pads
- Stainless steel QB-45 Quick Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x Gear Loops

Size : S/M, L/XL
Weight : 900 gr (S/M), 970 gr (L/XL)
Color : Black
Standard: EN 12277



**I-451 A
CLIMBING HARNESS**

- 1 x abdominal anchorage point
- Maximum comfort by virtue of Breathing, Antibacterial, Ergonomic Waist and Leg Pads
- Stainless steel QB-45 Quick Buckles For Fast Connection and Release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 4 x Gear Loops

Size : S/M, L/XL
Weight : 600 gr (S/M), 660 gr (L/XL)
Color : Black
Standard: EN 12277

HARNESSES

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E-3 W SERIES

TWIN – LEG SHOCK ABSORBING WEBBING LANYARD

- Twin-leg model allows user to keep one leg attached to the anchorage while the other leg is always ready to be hooked to the next anchorage
- Made of highly resistant polyester webbing
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Zippered fabric case protects the energy absorber from abrasion and other damages while allowing for regular inspection of the absorber
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Models

- **E-3 W K-4A/K-2** Bottom: K-2 type carabiner
Top : K-4A type carabiner
- **E-3 W K-6/K-2** Bottom: K-2 type carabiner
Top : K-6 type carabiner

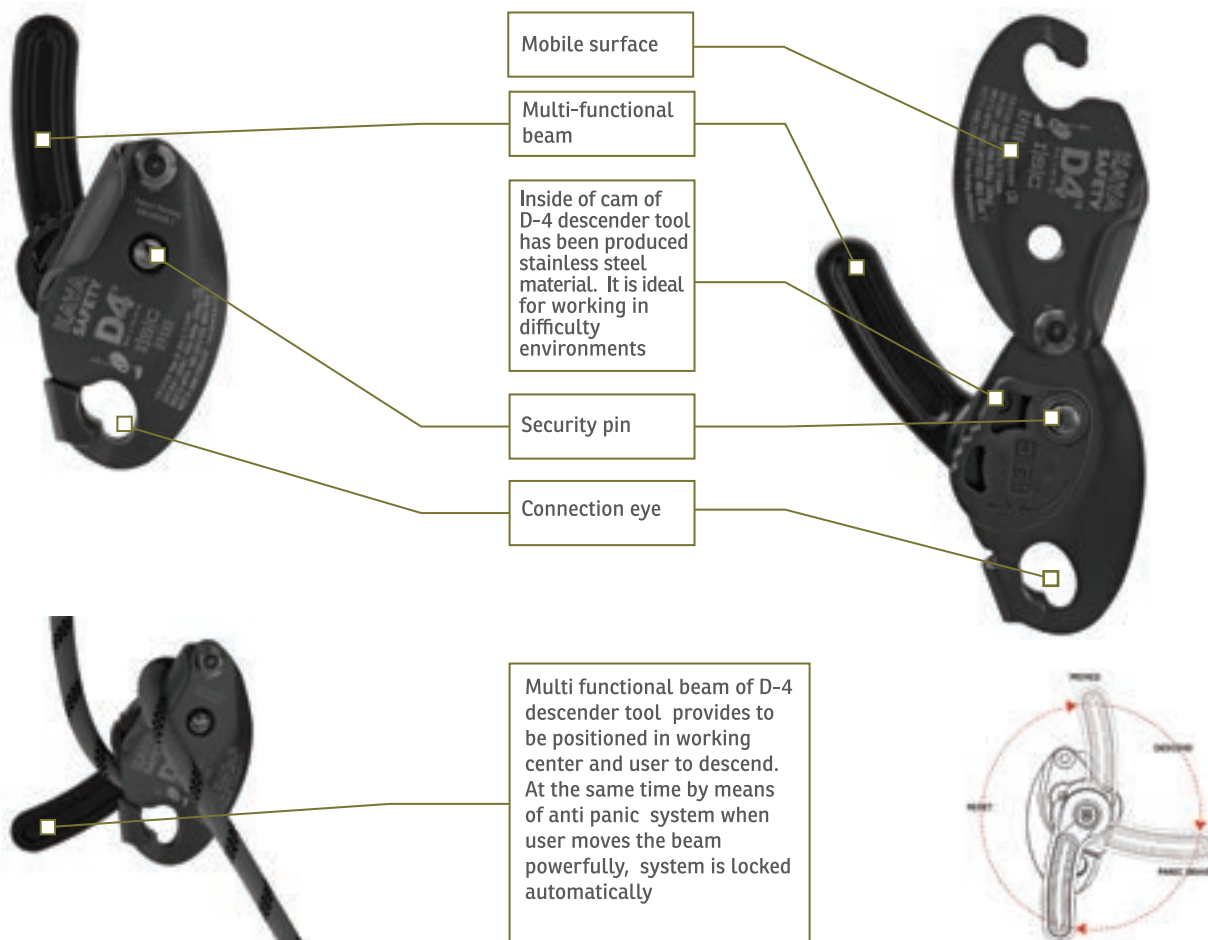
Length : 1, 2 & 2 mt

Standard: EEN 354, EN 355, EN 362, EN 12275

CARABINER OPTIONS



Note: For more information please check section: Carabiners



D-4 DESCENDER (ANTI-PANIC SYSTEM)

- D4 controlled descender tool is designed for working on rope. D4 enables a unique movement in vertical, horizontal and angled works on rope
- It will be attached or deductible to system in any point of rope
- The progressive cam works by way of one cam operating inside another cam
- In the working with rope, the gap on rope is taken easily.
- It can work by hands free in lock position and can get work position
- It owns D4 240 kg work weight. Meaning of this is available for rescue work without being required to extra friction
- The handle mechanism is designed to rotate through 360° making its use easier and simpler. The handle itself is made from aluminum rather than plastic and is coated in a specially chosen paint which provides extra grip
- The handle rotation is accompanied by audible clicks which help the user identify the correct position of the handle
- By means of anti-panic system, when the user winds up strongly, system is locked automatically

- The outer body is made of high strength aluminum material.
- Inner cam is made of stainless steel material.
- Minimum breaking strength is 16 kN.

Rope Dia : Ø 10,5 – 11,5 mm

Weight : 655 gr

Standard: EN 12841, EN 341, ANSI Z359, NFPA 1983

HARNESSES

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MOBILE FALL ARRESTERS

RETRACTABLE FALL ARRESTERS

RESCUE DEVICES

TRIPOD AND CANTILEVER ARMS

STRETCHERS

ROPES

BAGS AND ACCESSORIES

SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



A-1L

A-1R

A-1 JUMAR (LEFT AND RIGHT)

- Used for ascending on a rope
- Aluminum alloy material
- Top captive eyes are to be used with pulleys or rope grabs
- Lower captive eye is to be used with webbing ladder
- Outer coating is for comfortable hand grip

Rope Dia : Ø 8 -13 mm
Weight : 238 gr
Color : Black
Standard : EN 567, UIAA

Product Types

A-1 L :Left hand
A-1 R: Right hand



SE-15

SE-30

SE-15 ADJUSTABLE WEBBING FOOT LOOP

- Easy to use for ascending
- High strength of 25 mm polyester webbing
- Easily adjusted length with QB-25 quick buckles
- Bonded type high tenacity sewing

Lenght : 1,5 m
Strength : 23 kN
Color : Black
Weight : 180 gr

SE-30 ADJUSTABLE ETRIER

- Reinforced steps for durability and ease of use when ascending a rope or aid climbing in rope Access
- High strength of 25 mm polyester webbing
- Easily adjustable QB-25 quick buckles
- Bonded type high tenacity sewing
- 3 step with top adjustment

Lenght : 1,5 m
Strength : 23 kN
Color : Black
Weight : 185 gr



K-13/2A



K-13/3A



K-13/SL

K-13 SERIES ASYMMETRICAL ALUMINUM CARABINER

- Specially adapted for attaching equipment
- Excellent strength-to-weight ratio
- KeyLock system helps prevent snagging of the carabiner during maneuvers
- Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version)

Strength : 22 kN
Gate Opening: 21 mm
Color : Black
Weight : 82 gr (K-13/SL),
86 gr (K-13/2A),
87 gr (K-13/3A)
Standard : EN 362, EN 12275

Locking Types

- **K-13/SL** Screw Locking
- **K-13/2A** Double action - auto locking
- **K-13/3A** Triple action - auto locking

DESCENDERS



D-13



RP400

D-13
BELAY DEVICE

- Used to control a rope during belaying
- Ultra-compact design is easy to use and doesn't take up much space
- Act as a friction brake, so that when a climber falls with any slack in the rope, the fall is brought to a stop
- Breaking strength: 23 kN
- Made of aluminum alloy material

Rope Dia : Ø 8 -13 mm
Weight : 270 gr
Color : Black

RP400
PRO ALLP DESCENDER

- The Pro Allp Descender is a multi-function device
- Adjustable, Screw Controlled Descender
- Auto-lock Controlled Descender (with variable maximum speed setting)
- Can be used for rescue operations
- Breaking strength: 30 kN
- Made of aluminum alloy material
- 316 grade stainless steel material
- Outer frame is made of aluminum material

Rope Dia : Ø 10,5 – 12,7 mm
Weight : 580 gr
Color : Black
Standard : EN 12841-B

DESCENDERS



D-8



D-9

D-8
FIGURE 8

- Ease of use for descending
- For easy descending on single or double ropes
- Breaking strength: 30 kN
- Made of aluminum alloy material

Rope Dia : Ø 8 -13 mm
Weight : 119 gr
Color : Black
Standard : EN 795 Class B, EN 12278

D-9
BENT EAR FIGURE 8

- It enables descent by using rescue figure 8 descender more controlled
- Breaking strength: 40 kN
- It is made of aluminium alloy material

Rope Dia : Ø 8 -13 mm
Weight : 270 gr
Color : Black
Standard : EN 795 Class B, EN 12278

ROPE GRAB



RP-500 ROCKER
ROPE GRAB

- Designed for use without a shock absorber
- Can be fitted to the rope at any point
- Can be used hands-free, when travelling up and down the rope
- The Rocker can also be used as a Rope Adjuster on a Work Positioning Lanyard (in accordance with EN358)
- The Rocker is fitted with non-aggressive 'rope friendly' cam faces

Weight : 164 gr
Material : Aluminum
Rope Dia : Ø 10,5 – 12,7 mm
 (Use only with rope certificated according to EN 1891 Type A)
Standard: CE EN 353-2; CE EN358; CE EN 12841-A
Color : Black

HARNESSES

LANYARDS AND SHOCK ABSORBERS

CARABINERS

PULLEYS

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SAFETY NETS

VERTICAL LIFELINE

HORIZONTAL LIFELINE

DEFENCE

LIFTING EQUIPMENT



H-13 ISLAND
INDUSTRIAL HELMET

- Ideal for rescue operation and works at height
- Slots for ear protectors fixing
- Adjustable and removable chinstrap
- Ventilation with 2 vents

Color : Black
Size : 54/62 cm
Weight : 400 gr
Outer shell: Thermo ABS
Inner shell : High Tenacity polystyrene EPS foam
Standard : EN 397

ACCESSORIES



SHORT VISOR



LONG VISOR



VISOR+EAR MUFFS



**RL-10
CONIC STRETCHER**

- Ideal for confined space, high angle or technical rescue, and traditional land based applications
- Equipped with 2 pieces of 35 kN slings for horizontal hoisting by helicopter or vertical hoisting in caves or industrial confined spaces
- When the patient is packaged the stretcher becomes rigid
- Main body is made of high strength polyethylene material
- Eyelets rivets on the belts are made of stainless steel
- 1 piece of 23 Kn strength vertical evacuation rope
- 4 pieces of handles (2for each on left and right side of the stretcher)
- 4 pieces of slings to be connected on eyelets rivets
- 1 pcs of 50 kN triple action karabiner
- The stretcher is rolled for storage in a tough backpack which is included with the system
- Stretcher dia is 27 cm and length is 93 cm when rolled
- Stretcher backbag sizes:
31 cm x 95 cm (Dia x Length), stretcher sizes 27x 93 x 250 cm (Dia x Width x Length)

Weight : 8,4 kg
Standard: EN 1865
Color : Khaki



HARNESSES

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LOOP TYPES



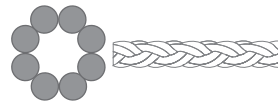
FAST ROPE-M



FAST ROPE-SE

ART. NO	DIA	WEIGHT	B. STRENGTH
	(Ø)	(KG/100 M)	(KGF)
051 032	32	42,00	7.500
051 040	40	60,00	10.000
051 044	44*	77,00	12.000

* Dia if not under load: Ø : 50 mm



LUPA® FAST ROPE

- Material** : High Tenacity Mat Polyamide Fiber
- Construction** : 8 Strands
- Features** : Very Good Abrasion Resistance, High Durability
- Max. Elongation at Break:** % 59
- Density** : 1,14 kg/dm³
- Color** : Military Green/Desert Sand
- Standard** : MIL-F-44422
- Length** : 30/60/90/120 Feet Coil





RG-20
ROPE GLOVE

- Made of Neoprene with Kevlar reinforcement on palm and fingers
- Convenient Velcro closure on the wrist for size adjustment
- Ideal for water sports and yachting

Size : S/M, L/XL
Weight: 105 gr



LUPA® STATIC 11 MM

- Designed for rescue operations and rope access techniques
- Made of High Tenacity Polyamide Fiber (S/Z Twist)
- Formed by core and protector cover
- Excellent hand-grip feature
- High resistance against abrasion
- High UV resistance
- Identification tape inserted (with information of relative standard, type of rope, brand)

Dia	: 11 mm
Standard	: EN 1891
Type	: A
Weight	: 78 gr/m
Breaking Strength	: 28 kN
Breaking Strength with Knot:	19 kN
Static Stretching	: % 2,7
Sheath Slippage	: 0
Wet Tensile Strength	: % 3,3
Knot Flexibility	: 1
Stitched Eyes Strength	: 25 kN
Eight Knot Strength	: 16 kN

Standard Lengths

- 50, 100, 150 & 200 Meter Plain Black



LUPA®
ACCESSORY 7 MM

- Designed for rescue operations, rope access techniques and difficult work environments
- Made of High Tenacity Polyamide Fiber (S/Z Twist)
- Formed by core and protector cover
- Excellent hand-grip feature
- High resistance against abrasion
- High UV resistance
- Identification tape inserted (with information of relative standard, type of rope, brand)

Dia	: 7 mm
Standard	: EN 1891
Type	: A
Weight	: 32 gr/m
Breaking Strength	: 13 kN
Breaking Strength with Knot:	7 kN
Wet Tensile Strength	: % 3,3
Stitched Eyes Strength	: 10 kN
Eight Knot Strength	: 7,5 kN

Standard Lengths

- 50, 100, 150 & 200 Meter Plain Black

HARNESSES

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LIFTING EQUIPMENT



FRB-60
FAST ROPE BAG

- Designed to carry fast rope and technical equipment
- Made of 1900 denier water proof fabric
- 2 x shoulder pads
- Carrying handles on both sides
- 2 x AB-45 automatic buckles for releasing the rope and bag during operation

Weight : 2 kg
Dia : 35 cm
Height : 60 cm
Volume: 57 L



BG-15
CARRYING BAGS

- Produced from high tenacity water proof cloth
- Concealable back strap pads
- Additional shoulder strap if needed
- Material space separated with zipper
- Wallet, Passport space

Weight : 1.248 gr
Width : 30 cm
Length : 110 cm
Height : 45 cm
Volume: 58,5 L



MB-35
MATERIAL CARRYING BAG

- Two large, comfortable carrying handles
- Adjustable strap for carrying bandolier style
- Interior ring can be used as attachment point for rope
- Waterproof fabric
- Bag remains upright and has an exterior folding lid system that allows easy access to the contents of the bag

Weight : 1.198 gr
Dia : 30 cm
Height : 54 cm
Volume: 38 L



MB-20

MB-20
MATERIAL CARRYING BAG

- Two large, comfortable carrying handles
- Adjustable strap for carrying bandolier style
- Interior ring can be used as attachment point for rope
- Waterproof fabric
- Bag remains upright and has an exterior folding lid system that allows easy access to the contents of the bag

Weight : 805 gr
Dia : 25 cm
Height : 40 cm
Volume: 20 L



MB-10

MB-10
MATERIAL CARRYING BAG

- Two large, comfortable carrying handles
- Adjustable strap for carrying bandolier style
- Interior ring can be used as attachment point for rope
- Waterproof fabric
- Bag remains upright and has an exterior folding lid system that allows easy access to the contents of the bag

Weight : 405 gr
Dia : 21 cm
Height : 30 cm
Volume: 10 L

HARNESSES

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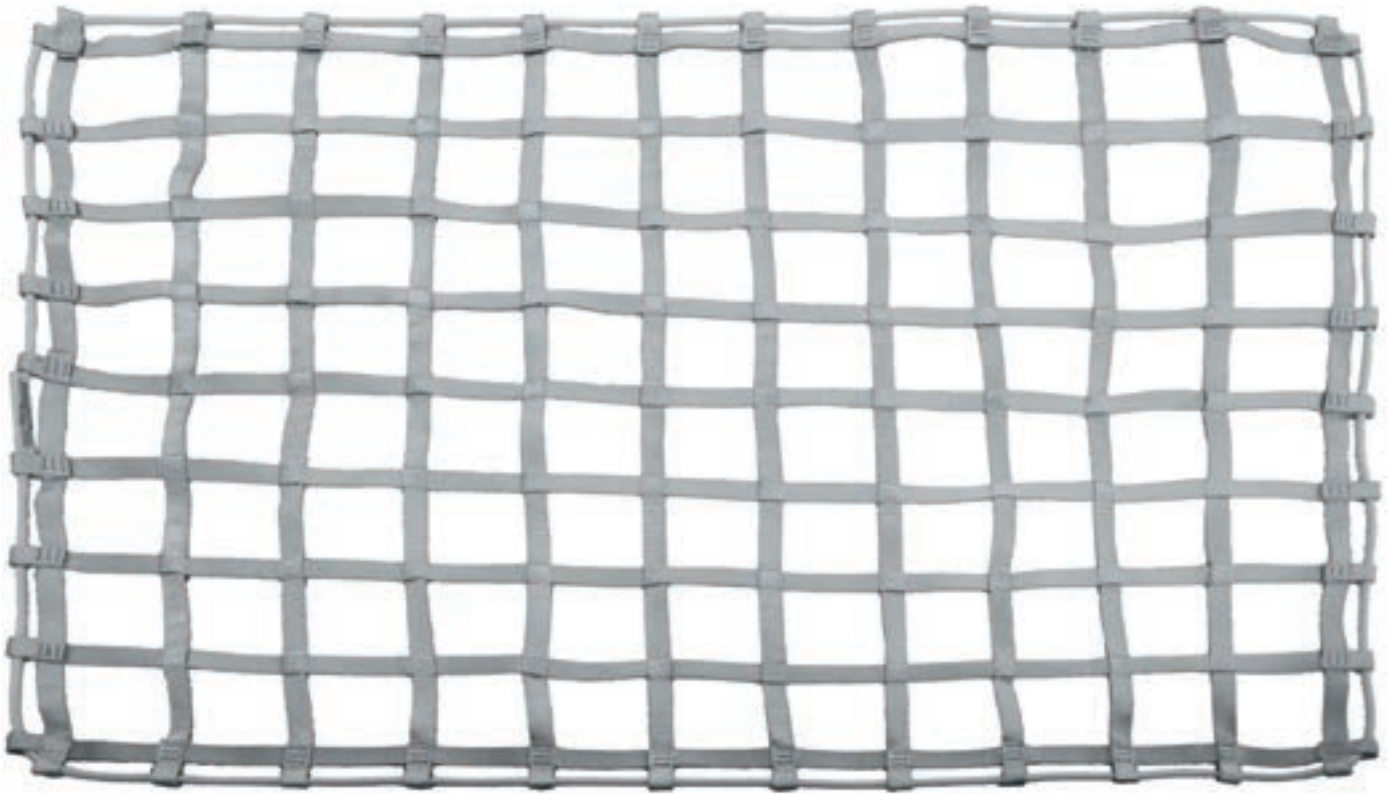
SAFETY NETS

VERTICAL LIFELINE

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LIFTING EQUIPMENT



HSN-30

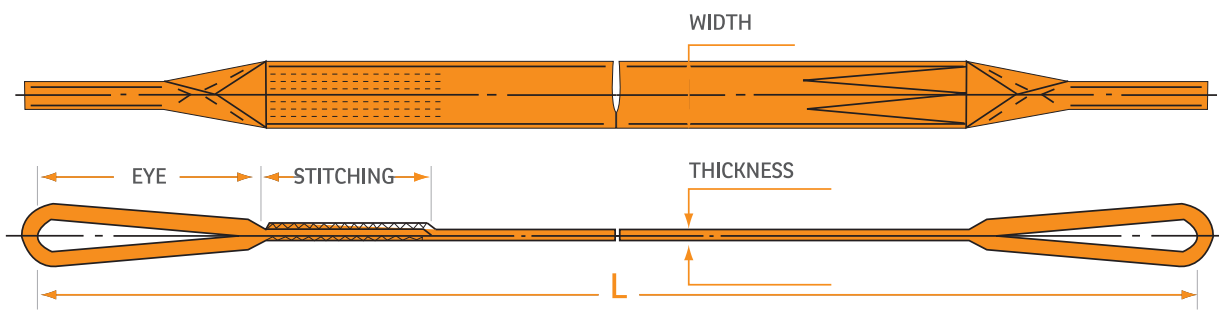
HELICOPTER SAFETY NET

- Special grey color that complies with ships
- Specifically designed for navy and offshore helicopter landing deck in order to avoid any interference with helicopter operations and to prevent personnel falling overboard
- Made of high tenacity webbing
- Webbing is self-eyed, manufactured without stitching
- Comes with same color of edge rope

Standard: NATO & National Military Spec

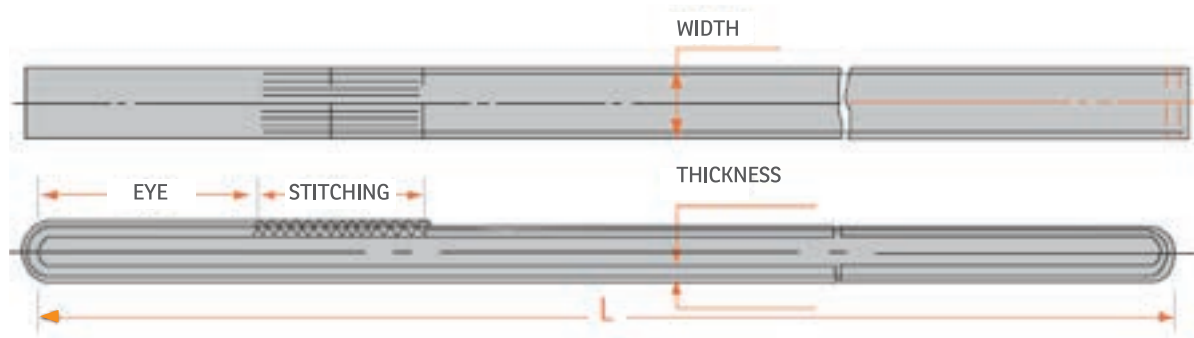






HEAVY DUTY POLYESTER EYE SLINGS

Made from high tenacity polyester webbing.



ENDLESS ROUND SLINGS

Polyester endless slings are constructed from multiple fiber polyester yarns enclosed in a tough two-ply woven tubular polyester jacket. This jacket protects the inner lifting fibers from wear, abrasion and exposure to other environmental conditions. All polyester endless round slings are color coated to indicated load capacity and come with a durable tag for easy identification.

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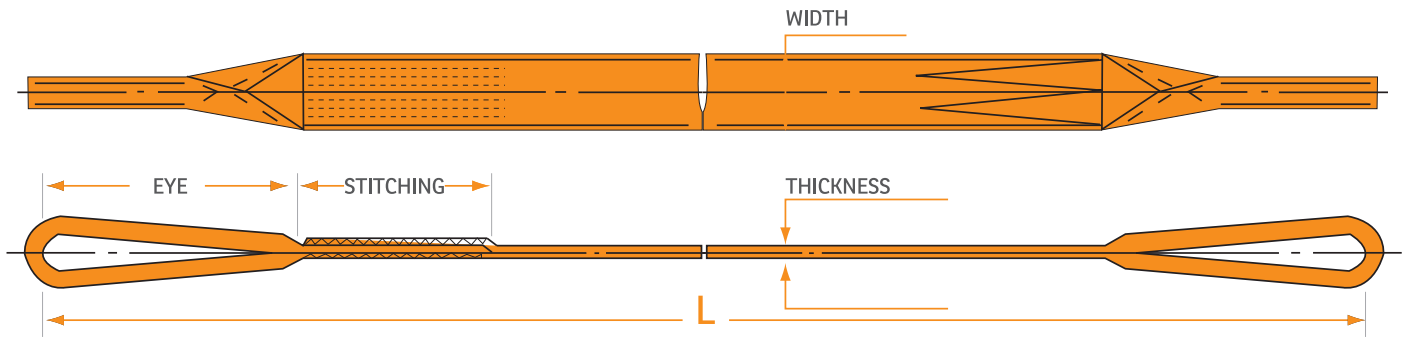
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

LIFTING EQUIPMENT



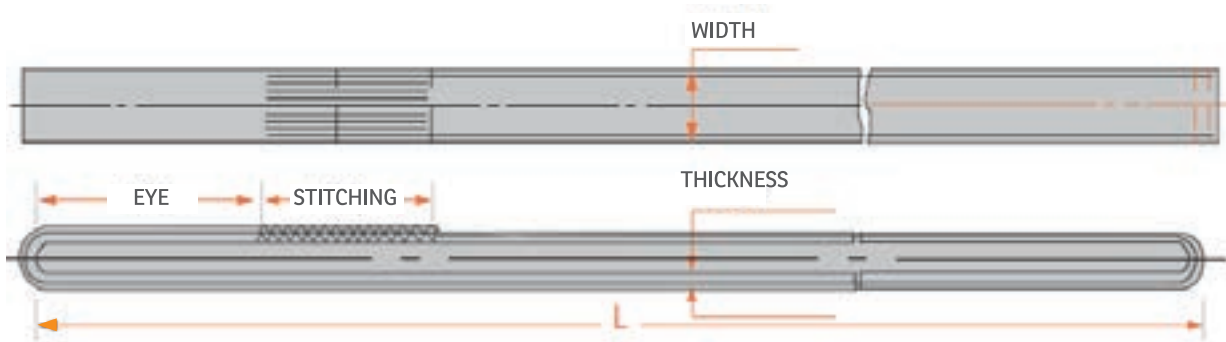
FEATURES

Material : % 100 Polyester
Standard : EN 1492-1+A1:2010
Safety Factor : 7:1

- Made from high tenacity polyester webbing
- Available in various sizes and rating capacities
- Capacities are color coded
- Sold in HOOK brand
- HOOK is the registered trademark of Kaya Group

									
	WIDTH (MM)	WORKING LOAD (KG 100 %)	WORKING LOAD (KG 80 %)	WORKING LOAD (KG 200 %)	ANGLE (0-45°) WORKING LOAD (KG)	ANGLE (45-60°) WORKING LOAD (KG)	BREAKING LOAD (KG)	WORKING LOAD (KG)	LENGTH (MT)
PURPLE	30-50	1000	800	2000	1400	1000	7000	1000	1-10
GREEN	70	2000	1600	4000	2800	2000	14000	2000	2-10
YELLOW	90	3000	2400	6000	4200	3000	21000	3000	2-10
GREY	120	4000	3200	8000	5600	4000	28000	4000	4-10
RED	150	5000	4000	10000	7000	5000	35000	5000	4-10
BROWN	180	6000	4800	12000	8400	6000	42000	6000	4-10
BLUE	250	8000	6400	16000	11200	8000	56000	8000	5-10
ORANGE	300	10000	8000	20000	14000	10000	70000	10000	5-10

- 
1. FLAT EYE
 2. REVERSE EYE
 3. ONE SIDE IS 1/2 CLOSED EYE
 4. TWO SIDE ARE 1/2 CLOSED EYE
 5. 1/3 CLOSED EYE



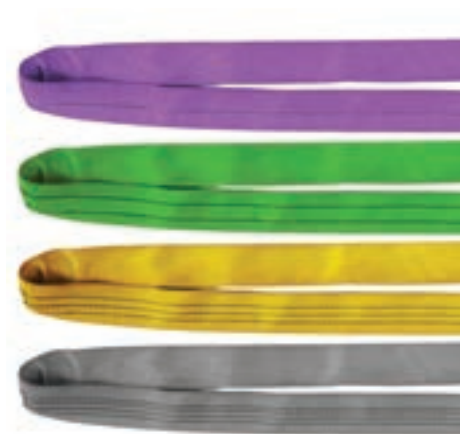
ENDLESS ROUND SLINGS






Polyester endless slings are constructed from multiple fiber polyester yarns enclosed in a tough two-ply woven tubular polyester jacket. This jacket protects the inner lifting fibers from wear, abrasion and exposure to other environmental conditions. All polyester endless round slings are color coated to indicated load capacity and come with a durable tag for easy identification.

FEATURES

Material : % 100 Polyester
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- Available in various sizes and rating capacities
- Capacities are color coded
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	WIDTH (MM)	WORKING LOAD (KG 100 %)	WORKING LOAD (KG 80 %)	WORKING LOAD (KG 200 %)	ANGLE (0-45°) WORKING LOAD (KG)	ANGLE (45-60°) WORKING LOAD (KG)	BREAKING LOAD (KG)	WORKING LOAD (KG)	LENGTH (MT)
PURPLE	30-50	1000	800	2000	1400	1000	7000	1000	1-10
GREEN	70	2000	1600	4000	2800	2000	14000	2000	2-10
YELLOW	90	3000	2400	6000	4200	3000	21000	3000	2-10
GREY	120	4000	3200	8000	5600	4000	28000	4000	4-10
RED	150	5000	4000	10000	7000	5000	35000	5000	4-10
BROWN	180	6000	4800	12000	8400	6000	42000	6000	4-10
BLUE	250	8000	6400	16000	11200	8000	56000	8000	5-10
ORANGE	300	10000	8000	20000	14000	10000	70000	10000	5-10

HARNESSES

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P-453 Y FALL ARREST AND WORK POSITIONING HARNESS

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Restraint and Work Positioning
- Single D-Ring on the back for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System (Back) EN 361
- 2 x stainless steel waist D-Rings for Work Positioning
- 1 x D-ring in Abdominal Area for Working in Suspension
- Maximum comfort Ergonomic Back, Waist, Leg and Shoulder Pads
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x Gear Loops

Weight : 2.006 gr
Size : S/M, L/XL, XXL
Standards: EN 361, EN 358, EN 813



P-3 FALL ARREST AND WORK POSITIONING HARNESS

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Restraint and Work Positioning
- Back D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- 2 x waist D-Rings for Work Positioning
- Ergonomic Waist Support
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x Gear Loops

Weight : 1.600 gr
Size : S/M, L/XL, XXL
Standards: EN 361, EN 358

LANYARDS,
CARABINER AND
SHOCK ABSORBERS

RETRACTABLE
FALL ARRESTERS



P-453 C

FALL ARREST AND WORK POSITIONING HARNESES

- Full Body Harness Should be Used as a Component in Personal Fall Arrest, Restraint and Work Positioning
- Back D-Ring for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- 2 x waist D-Rings for Work Positioning
- Ergonomic Waist Support
- Stainless QB-45 Quick Release Buckles for fast connection and release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control
- 2 x Gear Loops

Weight : 1249 gr
Size : S/M, L/XL, XXL
Standards: EN 361, EN 358



B-2

FALL ARREST HARNESS

- Safe use for Personal Fall Arrest
- Single D-Ring on the back for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- Different color webbings to allow the harness to be put on easily
- High strength 45mm Polyester webbings
- Adjustable Stainless QB-45 Quick Release Buckles for fast connection and release
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Weight : 1.100 gr
Size : S/M, L/XL
Standard: EN 361








P-1 C

FALL ARREST HARNESS

- Safe use for Personal Fall Arrest
- Single D-Ring on the back for Fast, Easy and Safe Connection to the Other Elements of a Personal Fall Arrest System
- High strength 45mm Polyester webbings
- Adjustable Buckles
- UV Resistant High Strength Bonded Type Yarns and Contrastive Color Sewing for Quick Eye Control

Weight : 742 gr
Size : S/M, L/XL
Standard: EN 361

IMAGE	PRODUCT CODE	SIZE	STANDARD	ANCHORAGE POINT				DIMENSIONS			WEIGHT
				BACK (EN 361)	CHEST (EN 361)	SIDE (EN 358)	ABDOMINAL (EN 813)	WAIST	LEG	LENGTH	
	P-453 Y	S/M	EN 361					65 - 95 cm	45 - 65 cm	155 - 175 cm	1,790 kg
		L/XL	EN 358	√	-	√	√	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,880 kg
		XL/XXL	EN 813					85 - 135 cm	65 - 80 cm	180 - 200 cm	1,970 kg
	P-3	S/M	EN 361					65 - 95 cm	45 - 65 cm	155 - 175 cm	1,390 kg
		L/XL	EN 361	√	√	√	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,480 kg
		XL/XXL	EN 358					85 - 135 cm	65 - 80 cm	180 - 200 cm	1,550 kg
	P-453 C	S/M	EN 361					65 - 95 cm	45 - 65 cm	155 - 175 cm	1,170 kg
		L/XL	EN 361	√	-	√	-	75 - 115 cm	60 - 70 cm	175 - 190 cm	1,260 kg
		XL/XXL	EN 358					85 - 135 cm	65 - 80 cm	180 - 200 cm	1,350 gr
	B-2	S/M	EN 361					-	60 - 70 cm	155 - 175 cm	895 gr
		L/XL	EN 361	√	√	-	-	-	45 - 65 cm	175 - 190 cm	983 gr
		XL/XXL	EN 361					-	65 - 80 cm	180 - 200 cm	1,070 gr
	P-1 C	S/M	EN 361					-	45 - 65 cm	155 - 175 cm	705 gr
		L/XL	EN 361	√	-	-	-	-	60 - 70 cm	175 - 190 cm	767 gr
		XL/XXL	EN 361					-	65 - 80 cm	180 - 200 cm	810 gr





RA-7 SHOCK ABSORBER

- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn
- Clear PVC case to protect the energy absorber

Folded Length : 30 cm
Unfolded Length: 150 cm
Standard : EN 355
Weight : 215 gr/mt



RAWL-1 SINGLE – LEG SHOCK ABSORBING WEBBING LANYARD

- Allows workers to attach to an anchorage point and remain safe during their work
- Made of highly resistant 45mm polyester webbing
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Clear tube case
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Length : 1,2 - & 2 mt
Standards: EN 355, EN 354, EN 362
Weight : 967 gr (1,8 mt)



RAWL-2 DOUBLE – LEG SHOCK ABSORBING WEBBING LANYARD

- Twin-leg model allows user to keep one leg attached to the anchorage while the other leg is always ready to be hooked to the next anchorage
- Made of highly resistant 45mm polyester webbing
- Built-in energy absorber limits the fall arrest force in a fall situation by tearing specific seams
- Clear PVC case to protect the energy absorber
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Length : 1,2 - & 2 mt
Standards : EN 355, EN 354, EN 362,
 EN 12275
Weight : 1502 gr (1,8 mt)



ROLW-1
SINGLE LEG WEBBING LANYARD

- Allows workers to attach to an anchorage point and remain safe during their work
- Made of highly resistant polyester webbing
- Stitched in professional CNC machines by bonded type UV and dust resistant high tenacity yarn

Length : 1.2-2 mt
Standard: EN 354
Weight : 149 gr (1,8 mt)



ROL-1
SINGLE LEG TWISTED ROPE LANYARD

- Allows workers to attach to an anchorage point and remain safe during their work
- Made of high tenacity 3 strands braided rope

Length : 1.2-2 m
Standard: EN 354
Weight : 312 gr (1,8 mt)



ROC-1



ROC-2

ROC-1
OVAL SHAPED STEEL CARABINER

- Designed for difficult working environments
- Oval shape allows multi-purpose use
- Galvanized Steel Material

Strength : 23 kN
Gate Opening: 16 mm
Standard : EN 362
Weight : 165 gr

ROC-2
LARGE DOUBLE SAFETY CARABINER

- Large size and wide gate opening facilitate use on large metallic structures
- Galvanized Steel Material
- Double Locking

Strength : 23 kN
Gate Opening: 51 mm
Standard : EN 362
Weight : 508 gr



RETRAC 2,5 RETRACTABLE WEBBING FALL ARRESTER

- Can also be used as shock absorbing webbing lanyard
- Locks automatically to prevent a fall

Length : 2,5 mt
Weight : 1,15 kg
Standard: EN 360



RETRAC 2X2 TWIN RETRACTABLE WEBBING FALL ARRESTER

- Can also be used as double leg lanyard
- Locks automatically to prevent a fall
- Comes with a 20mm highly resistant polyester webbing
- Retractable webbing system
- Comes with 2 pcs of Large size and wide gate opening scaffold hook to facilitate on large metallic structures
- High strength PE housing

Length : 2 mt
Weight : 1,70 kg
Standard: EN 360



RETRAC PS-3,5 RETRACTABLE FALL ARRESTER

- Locks automatically to prevent a fall
- Retractable webbing system
- Anchorage eye with swivel action prevents undue twist of rope while working or on the event of a fall
- High strength PE housing

Length : 3,5 mt
Weight : 1,53 kg
Standard: EN 360



RETRAC PS-6

RETRAC PS-12

RETRAC PS-18

RETRAC PS-25

RETRAC PS-30

RETRAC PS SERIES

RETRACTABLE FALL ARRESTERS

- Gives greater working distances from the anchorage point
- Incorporates self-locking function and automatic tensioning system
- Retractable wire rope system
- High strength PE housing
- Anchorage eye with swivel action prevents undue twist of rope while working or on the event of a fall

Standard: EN 360

Retrac Types:

RETRAC PS-6

Length: 6 mt
Weight: 4,05 kg

RETRAC PS-12

Length: 12 mt
Weight: 6,1 kg

RETRAC PS-18

Length: 18 mt
Weight: 6,8 kg

RETRAC PS-25

Length: 25 mt
Weight: 12,5 kg

RETRAC PS-30

Length: 30 mt
Weight: 12,8 kg



KAYA TRAINING KAYA CONSULTING

KAYA TRAINING and CONSULTING provides internal trainings primarily for Working at Height, Rescue Training for Specific Working Area, General OHS, OHS in the Electrical Works, PPE Inspection, Scaffold Inspection, Scaffolding Disassembly and Assembly. KAYA TRAINING and CONSULTING is also a partner of many internationally recognized organizations in Turkey such as IOSH, NSC, IRATA and apart from this company is able to provide their trainings with its own trainers.

WORK AT HEIGHT TRAINING (SPECIFIC BRANCH OF INDUSTRY)
• Telecommunications industry
• Wind turbine Industry work and rescue at height training
• Construction field
• Energy sector
• Work at height training at factory and production plants
• Rope access
RESCUE TRAINING FOR SPECIFIC WORKING AREAS
• Technical rescue at height
• Confined spaces
• Emergency event escape training
• Search and rescue
SCAFFOLDING TRAINING
• Scaffolding inspection training
• Scaffolding installation and dismantling training

OCCUPATIONAL HEALTH & SAFETY TRAINING
• General Occupational Health and Safety Training
• Occupational Health and Safety Training for Electric Plants
• Life Lines Installation Training
• PPE Inspection
• Fire Safety Training
• Basic First Aid Training
• Confined Space Safe Working
• Emergency Escape Systems
SAFE DRIVING TRAININGS
• Basic Training for Safe Driving
• Traffic Hazards Identification
• Off-Road 4x4
ADVICES FOR SECTOR BASED PPE AND TECHNICAL EQUIPMENT
• Energy & wind turbine training
• Construction
• Telecommunication
• Factory and production plants
• Rope access
• Roof and facade cleaning
• Closed areas
• Rescue and Evacuation
IOSH TRAININGS (INSTITUTION OF OCCUPATIONAL SAFETY AND HEALTH)
• IOSH Managing Safely
• IOSH Working Safely
NSC TRAININGS (NATIONAL SAFETY COUNCIL)
• Incident Investigation-Root Cause Analysis
• Safety Inspection
• Certificate in OSHA Compliance
• Ergonomics
• Fundamentals of Industrial Hygiene
• Principles of Occupational Safety and Health
• Safety Management Techniques
• Safety Management Leadership
• Safety Training Methods
• Supervisors Safety Development Program
• Team Safety
IRATA TRAININGS (INDUSTRIAL ROPE ACCESS TRADE ASSOCIATION)
• Rope Access Technician Level 1
• Rope Access Technician Level 2
• Rope Access Technician Level 3

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www.kayatraining.com.tr
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FAX :+90 262 677 19 18



Work at height training (Sector based): Programme content and duration will be determined by representatives from the relevant sector and training experts taking into consideration the requirements of the particular sector. Duration of this course is minimum one day.

Working at height training: The purpose of this program is to provide basic information to employees working on heights. Duration of this course is three days. (advance & expert training is also provided)

Working at height training at wind turbines : The purpose of this program is to provide basic information to employees working at wind turbine industry. Duration of this course is three days.

Rescue training at wind turbines: Content of this course provides, information on how to take action in the event of danger during working on wind turbines. Duration of this course is two days.

Rescue and Working at height training at wind turbines: The purpose of this program is to provide information to employees working at wind turbine industry. Duration of this course is three days.

Rescue training for specific working areas: The purpose of this course is to train participants to learn the rescue methods in the event of an incident. Duration of this course is two days.

Scaffolding Training: This trainin is recommended for anyone who isntall, demount or works on scaffolding. Duration of the course is two days.

Basic occupational health & safety training: Programme contents basic information for occupational health and Safety for variation of fields. Duration of the course is one day.

Occupational health & safety training for electric plants: Programme provides information on protecting employees against the potential risks of electric currents. Duration of the course is one day.

Occupational health & safety training in RF plants: Programme provides participants basic information and precautions against the effects of electromagnetic waves on those who work in related plants. Duration of the course is one day.

Basic first aid training: Course teaches participants about the basic principles about the first aid. Duration of the course is two days.

General fire & Safety training : Course designed for all employees, to impart theoretical and practical knowledge about fire Safety for all necessary events. Duration of the course is one day.

Specific working at height training: Programme contents external rope Access training. Duration of the course is six days.

Special HSE training programs and training packages: This training is specifically designed to meet the needs and requirements of individual clients. Training includes a range of approaches and can be tailored for all levels of staff and Workgroups. Duration of course is depending on the chosen package.

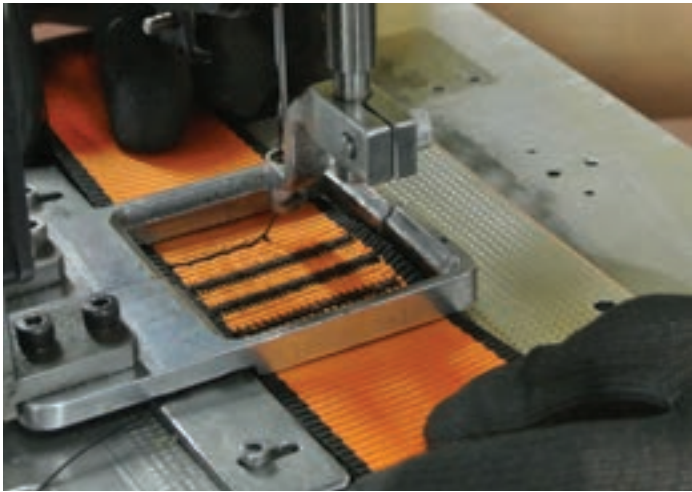
Safe driving techniques training: Anyone who has driving liense and dirves in traffic can benefit from this training programme. Duration of this course is one day.

Collective protection systems training: Training for installation of collective protection systems. Duration of this course is one day.

Emergency escape systems training: Duration of this course is one day.

Working at height equipment maintenance and control training: Duration of this course is one day.

Note: Our consulting services help you prioritize issues and create comprehensive fall protection programs at our site or yours.



All KAYA products are sewed in professional CNC machines to prevent personal errors.



KAYA Test Laboratory



KAYA products are tested and certificated in CE 0123 TUV SUD PRODUCT SERVICE GmbH laboratoires. KAYA has CE quality assurance system certificate (89/686/EEC 11 B 1c)



PRODUCT TESTING FOTOS FROM CE 0123- TÜV SUD PRODUCT SERVICE GmbH LABORATORIES

**KAYA YAPI İÇ. MİM. TAS. İNŞ. DEN.
TAAH. SAN. VE TİC. A.Ş.**

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HIGH SAFETY AT WORK