COMMITTED TO BETTER SAFETY

UDYOGI®

Fall Protection Solution

2017


At Udyogi, we just don't
provide protective equipment.
We provide the right
protective equipment.

SAFETY IS OUR CALLING CARD

Our Status
The Udyogi Group of Industries is India's largest manufacturer and exporter of personal protective equipment.

Our Background
Udyogi (commissioned in 1982) was promoted with the objectives of providing the best international protective equipment's in India. Over the last three decades the company has emerged as one of India's foremost safety equipment brands.

Our Specialization
Udyogi provides a comprehensive solution: from research to conceptualization to design to development and final use of industrial safety products and solutions.

Our Domain Expertise
Udyogi provides complete solutions across the construction, mining, oil rigs, power, refineries, petrochemicals, steel, transmission, aluminium, defence, telecommunication industries.

Our Offerings
Udyogi is among the selected Indian safety equipment's manufacturer servicing every client need with a diverse product portfolio, comprising of Head to Toe safety products and emergency equipment.

Our Plants
Udyogi's three state of the art manufacturing facilities are located in West Bengal and one at the Dadra a Union Territory, across a consolidated area of 50000 square feet.

Our Quality
At Udyogi, we test and certify all that we market so that users can be completely assured in the knowledge that they are adequately protected at all times of use. It possesses an internationally benchmarked laboratory at its facilities in accordance with domestic and international standards (EN 361, 354, 397 and IS: 3521, 10592 and 2925).

Our Research
Udyogi's range of personal protective equipment is developed in consultation with users and professionals, designed to address specific needs within a range of activities involving the highest risk

Construction

Oil and gas

Our Presence

Udyogi's distribution presence covers branches at Kolkata, Mumbai, Chennai, Delhi, Noida, Ahmedabad, Jamnagar and Bhubaneswar supported by more than 500 nationwide dealers. It has also consolidated its international footprint with a presence in the highly regulated markets of Eastern / Central Europe, South East Asia and the Middle East.

Beyond equipment

The Company's extended its services to site safety surveys that help in prescribing an effective equipment mix, safety audits that ensure all the safety measures are complied with, mock drills, training and workshops to ensure effective equipment utilisation.

Automotive Cement Iron and steel Power

Fall protection

6

Painting & Maintanence Kit

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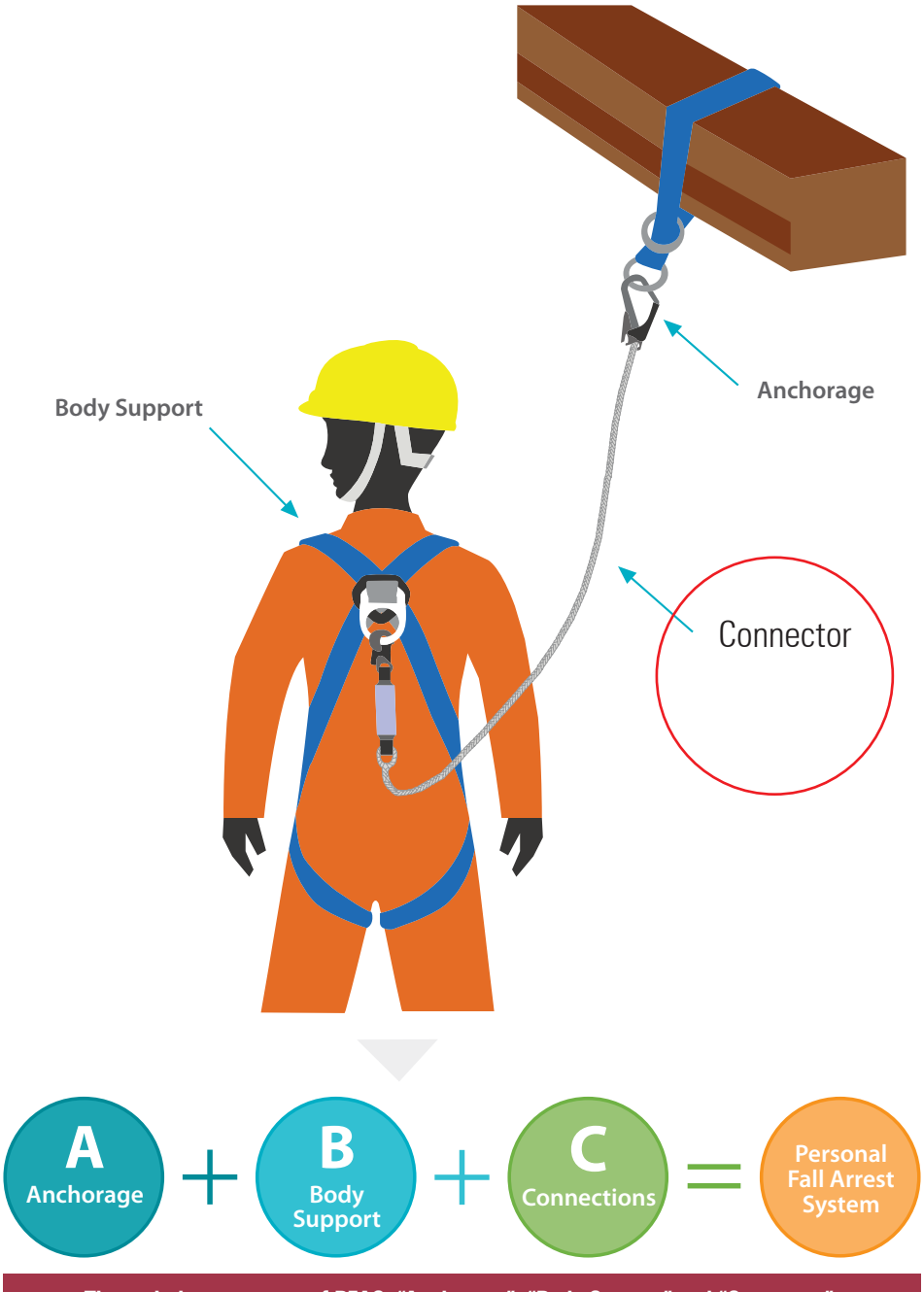
CONTENTS

Systems and solutions: Comprehensive range, Collective protection, Fall prevention and restriction of movement, Fall arrest solutions, Rescue techniques, Remote and critical access solutions. Experience: Expert advise, Thorough hazard and risk assessment, Documented survey to execution, Strict safety and quality control

FALL PROTECTION

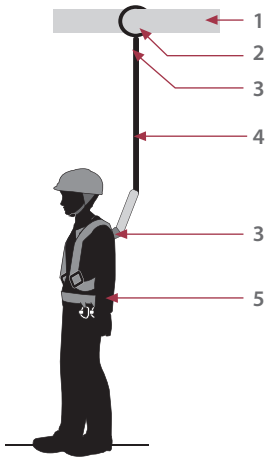
COMPONENTS OF A PERSONAL FALL ARREST SYSTEM

In general, a complete PFAS consists of three main components – 'Anchorage', 'Body Support' and 'Connector'. In order to provide the desired level of protection, each of the components must be in place and properly used.

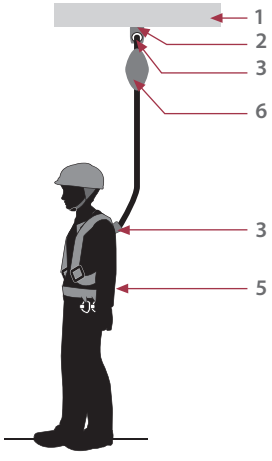


Three vital components of PFAS: "Anchorage", "Body Support" and "Connector".

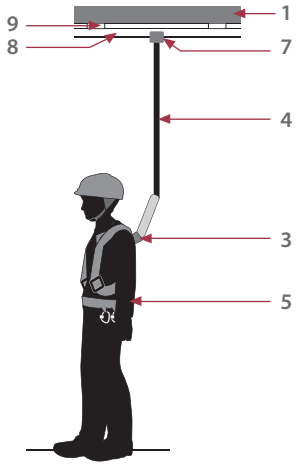
DIFFERENT TYPES OF FALL ARREST SYSTEMS



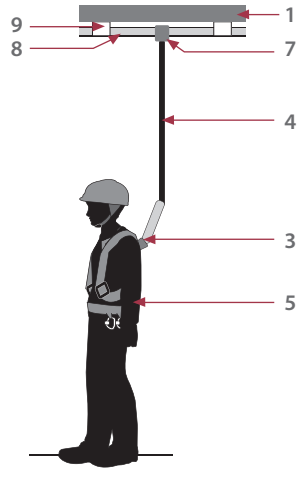
a) Fall arrest system based on an energy absorbing lanyard



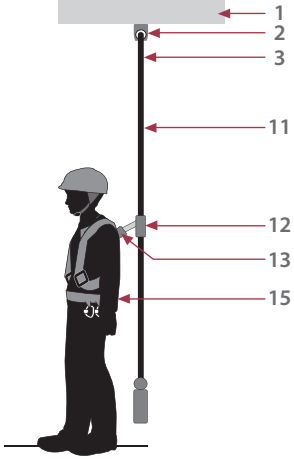
b) Fall arrest system based on a self retracting lifelines (SRL)



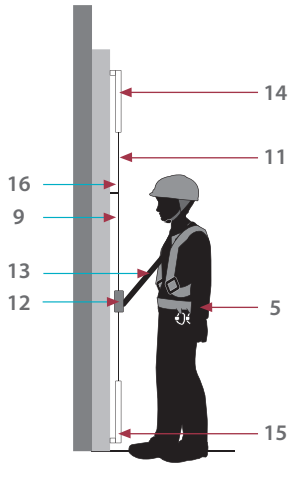
c) Fall arrest system based on a rigid horizontal lifeline



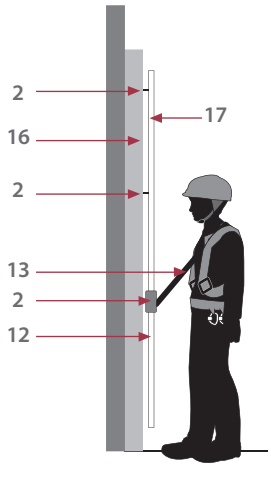
d) Fall arrest system based on a flexible horizontal lifeline



e) Fall arrest system based on a flexible vertical lifeline with an upper anchor



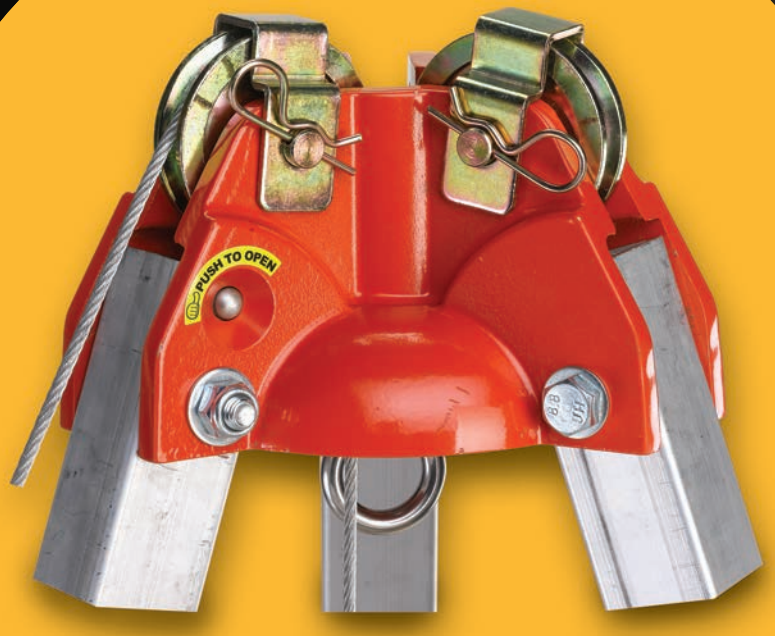
f) Fall arrest system based on a flexible vertical Lifeline with an upper and a lower anchor



g) Fall arrest system based on a rigid vertical lifeline

No	Key
1	Workplace structure
2	Anchor
3	Connector
4	Energy absorbing lanyard
5	Full body harness worn by user
6	Self retracting lifeline
7	Traveller
8	Rigid horizontal lifeline

9	Intermediate anchor
10	Flexible horizontal lifeline
11	Flexible vertical lifeline
12	Guided type fall arrester
13	Short connecting lanyard
14	Upper Anchor
15	Lower Anchor
16	Permanently installed ladder
17	Rigid vertical lifeline



Material: Best quality alloys of Aluminum, Zinc, Steel with anti-rust coatings, Wide range of high performance products. Performance: Engineered design, Robust and reliable, Adaptable, Catering to specific needs. Ranges: Fixed, Temporary, Static, Transportable, Dynamic, Horizontal and vertical lifelines, For every surface and structure guaranteeing extraordinary stability and optimum protection. Compliance: Compliant to stringent EN norms.

ANCHORS

ANCHOR

UNIVERSAL ANCHOR

Mobile Anchor with dynamic adjustability

- Fixing Range : Beam size from 130 mm to 330 mm
- Material : Aluminum Alloy with anodised finish
- Strength : 15 kN
- Weight : 4.715 kg
- Safe Working Load Limit 200 kgf
- It can be installed in any orientation (vertical or horizontal) with fixing arrangement using a built-in adjustment system
- Dual beam grip adjustment prevents twisting and turning
- Integral D-ring provides an anchorage connection point for shock absorbing and self-retracting lanyards
- Conforms to EN 795 - Class-A & B

FIXED BEAM ANCHOR

Sliding Mobile Anchor for horizontal movements

- Fixing Range : Beam size from 75 mm to 300 mm
- Material : High-strength Aluminum Alloy
- Strength : 15 kN
- Weight : 2.360kg
- Safe Working Load Limit 200 kgf
- Dual beam grip adjustment prevents twisting and turning
- Integral D-ring provides an anchorage connection point for shock absorbing and self-retracting lanyards
- Conforms to EN 795 - Class-B

ROLLER BEAM ANCHOR

Rolling Beam Anchor for horizontal mobility

- Fixing Range : Beam size from 75 mm to 300 mm
- Material : High-strength Aluminum Alloy
- Strength : 15 kN
- Weight : 3.535 kg
- Safe Working Load Limit 200 kgf
- Conforms to EN 795 - Class-B
- Glides effortlessly along the beam and provides horizontal mobility
- Attachable anywhere along the beam and provides horizontal mobility
- Integral D-ring provides an anchorage connection point for shock absorbing and self-retracting lanyards

Ideal for loading and unloading bays

TELESCOPIC ANCHOR DEVICE

Aluminium alloys expandable telescopic anchor

- Length : Minimum 2 Mtr. ; Maximum 6 Mtr.
- Maximum Fixing Height : 7.6 Mtr. (including human height)
- Light weight
- Anchor Device : Aluminium Alloy/Steel
- Opening Gate : 90 mm
- Breaking Strength : 25 kN
- Confirms to EN 795

PARAPET ANCHOR

- Portable, Light weight anchorage connector designed for fall arrest application
- Manufactured of Galvanized steel, so it is strong and built to last.
- Non-penetrating design does not penetrate the working surface reducing the possibility of damage.
- Adjustment ranges upto 450 mm
- Weight : 8 kg approx
- Ultimate breaking strength 35 kN / 7608 lbs
- Confirms to EN 795 Class – A

ANCHOR SLINGS

Anchor slings are designed to be wrapped around the structure (e.g. beam).

Anchor slings made from webbing have a minimum breaking strength of 22 kN while the minimum breaking strength of anchor slings from wire rope is 15 kN

POLYESTER SLING

- Tie of Anchor slings made of polyester
- Length : 1m/1.5m/2 m
- Round Sling with D-ring at one end
- Strength : 22 kN
- Conforms to EN 795 Class-B

WEBBING SLING

- Anchor slings made of 44 mm polyester webbing
- Length : 1m/1.5m/2 m
- D-rings at both end
- Strength : 22 kN
- Conforms to EN 795 Class-B

SS WIRE ROPE SLING

- Made of 8 mm Stainless Steel grade 304
- Available Length : 1 m/1.5 m/1.8 m/2 m or custom length
- Loops at both ends
- Strength : 15 kN
- Conforms to EN 795 Class-B

CONFINED SPACE ENTRY AND RETRIEVAL

TRIPOD WITH WINCH

Portable Device for Confined Space - Entry and Retrieval

- Height adjustments : From 1.45m to 2.15m
- Material : High-strength Aluminum Alloy
- Strength : 22 kN
- Safe Working Load Limit 100 kgf
- Conforms to EN 795 - Class-B
- Auto-locking system at the head to ensure stability of the legs
- Adjustable telescoping legs : Easy pin style adjustment allowing precise height setting
- Built-in anchor point : Eye bolt offers secondary anchor point for fall arrest system
- Anti-skid rubber foot-pads and safety straps prevent legs from spreading apart

Integrated with manual winch of 20/30/50 metres steel rope

- Winch rope diameter : 4 mm GI/4 mm SS
- Non-return winch for lifting and lowering

MONOPOD WITH WINCH

The cantilever arm has been specially developed for use with the height-safety device with rescue hoisting facility. It is available with ground and wall sleeve. The cantilever arm itself is mobile, i.e. it can be released from the sleeve very quickly and used at another location.

- Specially developed for stationary use in safety and rescue cases for two persons as well as for lifting and lowering loads
- Removable extension arm, adjustable height
- Suitable for fast relocation
- V2A stainless steel design
- Stable thanks to solid construction, high quality,
- Height 1.8 m, cantilever reach 1.25 m
- Safe Working Load Limit up to 300 kg with max 20m rope length

Ground Sleeve

Wall Sleeve

HORIZONTAL LIFELINE SYSTEM HLL 20

Temporary horizontal lifeline is a lightweight, easy to install and portable system.

Material:

- Webbing : Fray-proof, dope-dyed polyester webbing
- Ratchet : Steel, zinc coated, rated to 50 kN
- Lifeline Length : 20 metres
- Strength : 15 kN
- Conforms to EN 795 - Class-B

Key features:

- Equipped with a Ratchet Tensioner for quick and easy tensioning of the lifeline between two supports
- Built in shock absorber reduces anchorage loadings to preserve the structure
- Fall arrest rated for two users, provides job site flexibility
- Complete kit includes retaining bag and two tie-off anchor slings

TEMPORARY LIFELINE SYSTEM

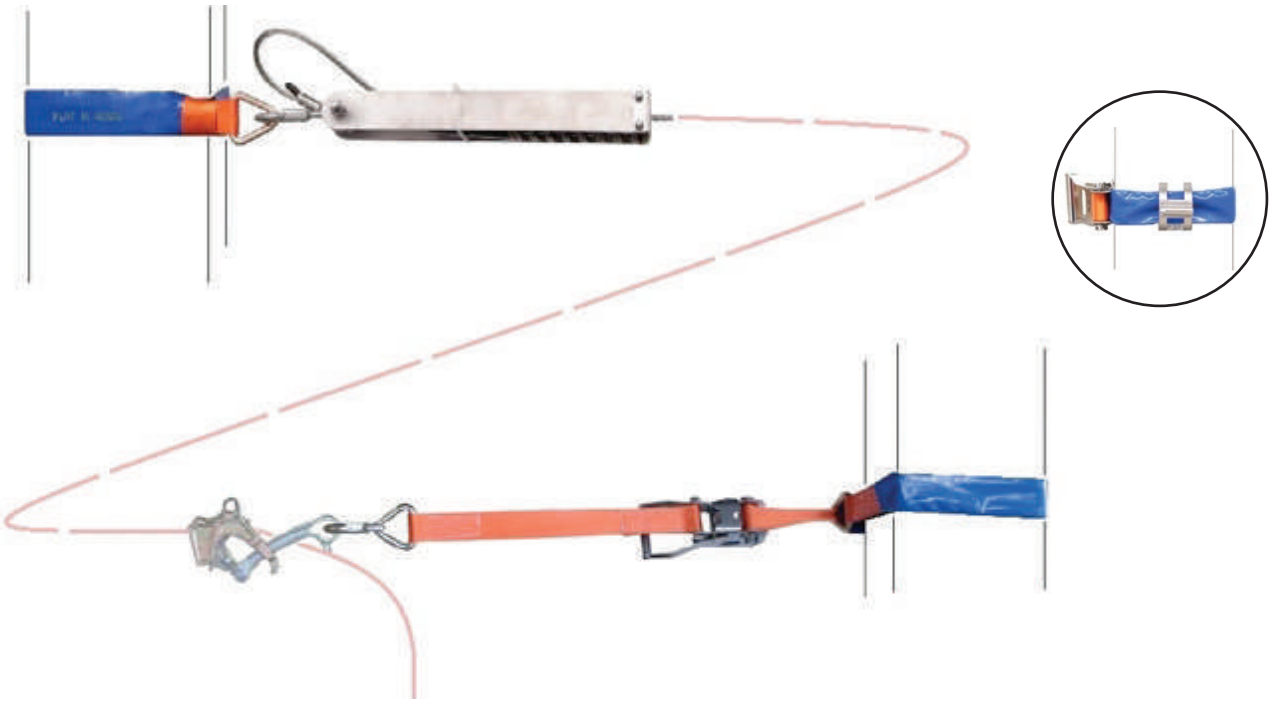
The temporary lifeline is made through attachments between two columns. It consists of the following parts:

- 1 Rachet tensioner with capacity of 50 kN, made of zinc coated steel or SS304 on request.
- 1 Energy absorber made of SS304 and polyurethane.
- 2 Lashing straps of 50 Kn Vitted with a tubular protection, made of textile straps and plastic cover. And connectors with double action opening.
- 20m of cable LDV006 SS316

If the length of the life line is more than 23 meters an intermediate anchor (type LDV004) should be used on the column.

Technical specification:

- 15,45 Kg (1 Temporary intermediate anchor)
- Compliant with EN 795 CLASS C



Code No	Weight	Description
LDV101	14 Kg	Temporary lifeline-Attachments between 2 columns
LDV102	1,45 Kg	Temporary lifeline-Intermediate anchor on column for reach above 20 m
LDV060	0,25 Kg	Captive glider

A competent person must check the strength of the host structure, which should be able to withstand 15 kN. If the length is equal or less than 23 m, two users may attach to the line. If the length is equal or higher than 24 m three users may attach to the lifeline.


UDYOGI

Material and design: World-class, Non-slip polyester webbing with corrosive resistant coated buckles/rings, Distinct and UV-resistant fluorescent coloured, Unique aesthetic stitch pattern, Range: All classes of A D E L P harness, Allowing flexibility and convenience. Testing: Proof load testing, Static load testing, and dynamic performance testing to ensure effective quality control. Features: Ideal design for even distribution of force of impact, Fall indicator harness for all operating environment like general fall arrest, Tower climbing and rigging, climbing pylons, Roof safety, Rope access ensuring that the products are of high quality and long-lasting. Ergonomics: Simple to use, Practice oriented, Enables unimpaired operating movements, Durable, an epitome of continuous technology optimisation, Meeting and exceeding highest standards. Compliance: Compliant to stringent EN and ISI standards.

BODY HARNESS

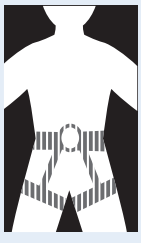
CLASSIFICATION OF FULL BODY HARNESSES

There are five classes of full body harnesses. They are of the following classes A, D, E, L and P

Class-A

- It shall incorporate at least one fall arrest attachment element
- The fall arrest attachment element shall be positioned so that it lies at the back ('dorsal' attachment D-ring) of the user

Class-D



Class-D shall meet the requirements for Class-A

- It has additional attachment elements that allow the user to connect to a controlled descent system
- It has a controlled descent and ascent attachment elements incorporated so that the user can adopt an approximate seated position (whilst in suspension)

Class-E

Class-E shall meet the requirements for Class-A

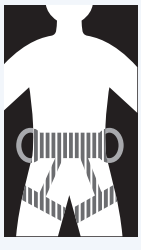
- It has additional attachment elements that allow the user to connect to a confined space access system
- It has a sliding attachment element on each shoulder strap to be used as pair, so that they enable the user to adopt a near upright position (whilst in suspension)

Class-L

Class-L shall meet the requirements for Class-A

- It has additional attachment elements that allow the user to connect vertical climbing guided type Fall arrester
- It has a vertical climbing point incorporated so that the user can climb a ladder with both hands free and very easy to self-rescue in the event of a fall

Class-P



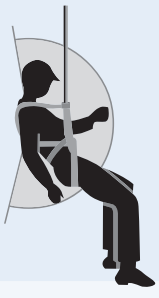
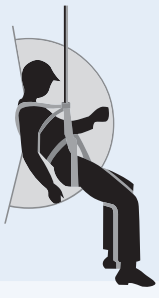
Class-P shall meet the requirements for Class-A

- It has additional attachment elements that allow the user to connect to a work positioning system
- It has at least one work positioning attachment element incorporated at approximately waist level

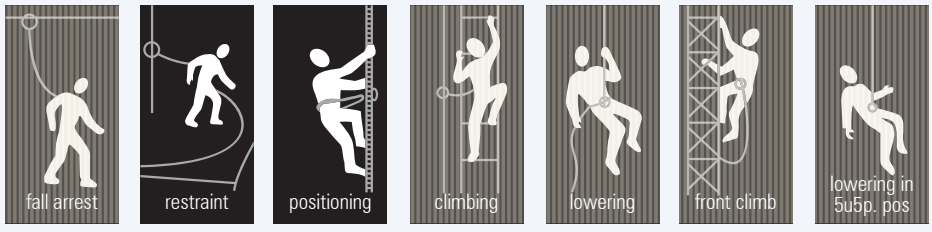
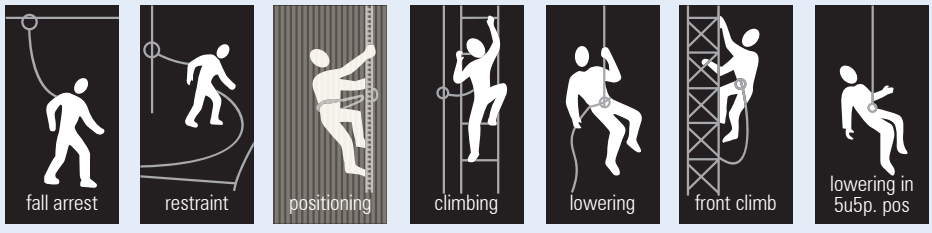
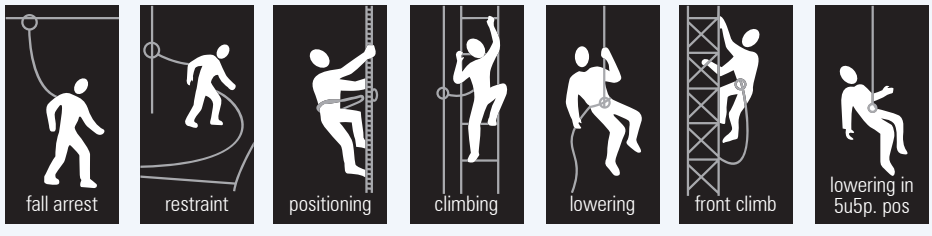
HARNESS – BASIC FUNCTIONS AND APPLICATIONS

When arresting a fall, forces between 4 and 6 kN are always produced, even with shock absorbers.

Fatal injuries can result unless these impact forces induced by fall arrest are transferred and distributed to the human body in a functional and ergonomically consistent manner.

	Fall Arrest Harness EN 361		Seat Harness EN 813 in combination with the chest harness EN 12277
Catch eye position	Dorsal	Sternal	Sternal
Force Induction	From the rear top into the crotch and pelvis	From the front top, diagonally to the buttocks	From the front top into the thighs
Reactions	Slight kink in the hip, the body slumps into the harness	Buttocks and hips are pushed forward	The thighs are lifted to a position similar to that when seated
Force Distribution	Mainly into the crotch (possible genital injury)	Mainly into the buttocks. Relatively direct force induction into the spine	Mainly unto thighs. Ergonomically consistent, because the thigh is one of the strongest anatomical part of the human body
Suspended position free hanging	Extremely passive bent forward position	Upright position	Upright position, similar to that when seated
Application Criteria	• Free suspension is not possible (retention) • Fall arrester with shock absorber • Controlled descender • Immediate measures (rescue, lowering to ground) are possibly by others	In conjunction with a fall arrester with shock absorber suitable for all types of safety against falls from limited heights, e.g. climbing with a follower type climbing protection device	In conjunction with a fall damper suitable for all areas of safety against falls from limited heights. Together with appropriate security measures (dynamic fall arrest at high risks of fall and/or great heights Suitable for work in vertical positions with climbing and lowering action The ergonomically safest variant to arrest falls and for free suspension is always the combination seat harness and chest harness
Capability of action when free suspended	• Highly restricted capability of action • Self rescue not possible	Easily reachable attachment point, however the slightly hyper-extended position is very steep entailing a restricted capability of action	The suspension position similar to a seated position guarantees maximum capability of action
			
Convenience during suspended	Minimum	Medium	Optimum
Duration in the suspended position	As short as possible	Despite of a more favourable suspended position, the duration should not exceed a maximum of 10 minutes	With the correct selection and matching of the harness, the duration in the suspended position can be 15 minutes or more without any problem

APPLICATION VS HARNESS SELECTION

Harness Safe Use	
Work Restraint Harness: EN 358 Holding the person in his/her working position, retaining in the hazardous areas (e.g. work on flat roof) Not suitable to catch falls and for free suspension.	
Fall Arrest Harness: EN 361 Securing in the fall hazard area, catch falls with possible free suspension (e.g. wok on masts, towers).	
Seat Harness: EN 813 Holding the person in seated work position when freely suspended. (e.g. work on facades). To catch falls and with free suspension, the combination of seat harness and chest harness offers the best solution from the ergonomical point of view.	
Rescue Harness: EN 1498 Rescue of persons in an upright almost seated position.	

DI ELECTRIC HARNESS

NEW

Anchor point	One dorsal D-ring and Two textile chest attachment loop and two lateral D-ring.
Special features	Integrated work positioning waist pad ideally positioned sit-strap for extended comfort built-in dual colour webbing for easy orientation.
Materials	Fray proof dope : dyed polyester webbing. All metal components high class polymer coated for electrically insulated.
Stitching	High-strength polyester stitching
Adjustability	Chest, Thigh & Shoulder
Standard	Conforms to EN 361:2002 & EN 358:1998

Designed for quick rescue

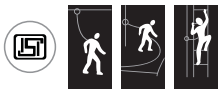
FR JACKET WITH FR HARNESS

NEW

Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	High visibility jacket harness made of 100% FR florescent fabric. 3M scotchlite tape used at front and back for easy visibility. H shape thigh strap provides long wearing comfort
Materials	Flame retardant webbing to with stand upto 7000F / 3710C
Stitching	High-strength FR thread stitching
Adjustability	Size adjustment strong only at chest & thighs.
Standard	IS 3521:2003, ISI marked, EN 361:2002 & as per ISO 15025:2005

ANTI STATIC

NEW



Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Ideal use for explosive atmosphere when the risk of an electrostatic build up and sudden discharge, igniting
Materials	Anti-static webbing to prevent the risk of build up charge.
Stitching	High-strength polyester thread stitching
Adjustability	Size adjustment strap only at chest & thighs.
Standard	EN 361:2002, webbing tested for EN 1149-1:2006 & EN 1149-5:2008

NEW

ECO PLUS

Anchor point	One dorsal D-ring and two chest attachment D-rings
Special features	- Ergonomic horizontal H-shaped thigh straps - Facilitate vertical and horizontal movements - No discomfort or pressure on the groin - Improved comfort in case of a fall -Built-in fall indicator for easy inspection -Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at shoulder and thighs
Standard	IS 3521:2003 ISI Marked

EDGE SERIES

EDGE LITE PRO

Extension strap of D-ring (Dorsal anchoring): Easy to safely attach to the connector end of the lanyard

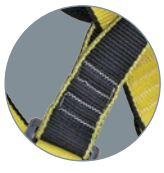
Computer controlled stitching: Ensures consistency

Quick buckle: Lightweight aluminum body, extremely easy to operate with one hand.

Webbing: Dope-dyed polyester webbing for colour fastness and UV resistant processed through heat treatment

Breathable open-core padding technology: Comfortable knitted pads for better shock absorption and air circulation

Buckle: Aluminum alloy adjustable buckle



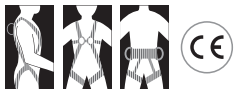
Extremely comfortable for long duration use

Anchor point	One dorsal D-ring and one chest attachment D-ring
Special features	Innovative lightweight design Extra comfort throughout the neck, shoulder and back Breathable open-core padding technology Easy no-tangle donning Easy-to-wear with quick buckles Integrated extension lanyard 500 mm long and D-ring Built-in fall indicator for easy inspection Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Aluminum alloy quick buckles
Stitching	High-strength polyester and computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulders and thighs
Standard	Conforms to EN 361

EDGE LITE

Anchor point	One dorsal D-ring and one chest attachment D-ring
Special features	Innovative lightweight design Extra comfort throughout the neck, shoulder and back Breathable open-core padding technology Easy no-tangle donning Integrated extension lanyard 500 mm long Built-in fall indicator for easy inspection Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength steel alloy
Stitching	High-strength polyester and computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulders and thighs
Standard	Conforms to EN 361

Computer-controlled stitching ensures guaranteed performance



EDGE 01

Anchor point	One dorsal D-ring, two chest attachment D-ring and two lateral D-ring
Special features	Ergonomic V-shaped soft padded thigh straps • Facilitate vertical and horizontal movements • No discomfort or pressure on the groin • Improved design enhanced user comfort. Breathable open-core padding for extra comfort throughout the neck, shoulder, back and thigh Easy no-tangle donning Built-in fall indicator for easy inspection
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester and computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulders and thighs
Standard	EN 361, EN 358 CE marked

TANGO SERIES

TANGO I

Anchor point	One dorsal D-ring and two chest attachment textile loop
Special features	Ergonomic horizontal H-shaped thigh straps • Facilitate vertical and horizontal movements • No discomfort or pressure on the groin • Improved comfort in case of a fall Built-in fall indicator for easy inspection Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester and computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulders and thighs
Standard	IS 3521:2003 ISI marked

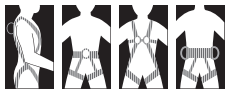
TANGO II

Anchor point	One dorsal D-ring and two chest attachment D-rings
Special features	Ergonomic horizontal H-shaped thigh straps • Facilitate vertical and horizontal movements • No discomfort or pressure on the groin • Improved comfort in case of a fall Built-in fall indicator for easy inspection Sub-pelvic straps stays low and comfortable
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	IS 3521:2003 ISI Marked

Ergonomic design ensures free movement

ULTRATEK MULTIPURPOSE RESCUE HARNESS

ULTRATEC



Work Positioning Belt with knitted mesh pad and appropriately shaped for extra comfort while working.

Bigger tool loops to attach extra karabiners & accessories

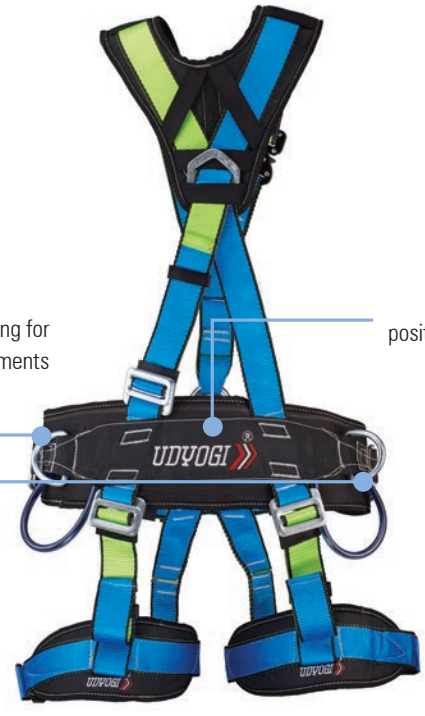
Ventral loops provided for rope access, External attachment for rescue and descending

H shaped thigh strap with soft padding

Quick buckle helps quick donning & doffing for the users.

Lateral D ring for lateral movements

wide soft positioning pad



Fornt Side

Back Side

All in one Multipurpose Harness

Anchor point	One dorsal D-ring, One sternal D-ring, One ventral D-ring, Two lateral D-ring
Special features	Multipurpose harness, ideal for professional use and rescue One external attachment point for rescue & descending Ergonomic Horizontal H-shaped thigh straps • Facilitate vertical and horizontal movements • No discomfort or pressure on the groin • Tool carring loops with the positioning belt. • Improved comfort in long time use & rescue. Breathable open-core padding for extra comfort in the back and thigh quick buckle for easy donning & boffing Easy no-tangle donning
Materials	Fray-proof dope-dyed polyester webbing Metal quick buckles of high strength alloy steel
Stitching	High-strength polyester computer-controlled stitching ensures consistency
Adjustability	Size adjustment straps at shoulder, waist and thighs
Standard	Conforms to EN 361, EN 358 and EN 813

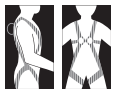
ECO SERIES

ECO 1

Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation Water bottle carry pouch attached with harness.
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521: 2005 ISI Marked, DGMS Approved

ECO 2

Anchor point	One dorsal D-ring and One Chest D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521: 2005 ISI Marked, DGMS Approved



ECO 3

Anchor point	One dorsal D-ring and Two Chest D-rings
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521: 2005 ISI Marked, DGMS Approved

ECO 4

Anchor point	One dorsal D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521: 2005 ISI Marked, DGMS Approved

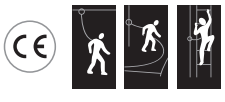
UB SERIES

UB 101

Anchor point	One dorsal D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	EN 361 CE Marked

UB 101 PLUS

Anchor point	One dorsal D-ring and Two lateral D-ring
Special features	Integrated work positioning waist pad Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	Conforms to EN 361 & EN 358



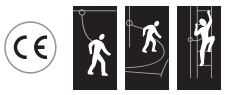
UB 102 RIGHT-ON

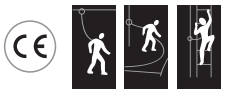
Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Integrated reflective Jacket Harness with reflective strip Easy and fast to put on zipper system Executive design with two pockets Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked

High visibility harness with jacket-Ideal for people working at height

UB-102

Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked





UB-102 NM

Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal parts covered with non-woven fabric pad Suitable for power sector work
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked

UB-102 PLUS

Anchor point	One dorsal D-ring, Two textile chest attachment loop and Two lateral D-ring
Special features	Integrated work positioning waist pad Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	Conforms to EN 361, EN 358

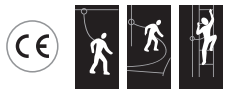
UB-102 FR

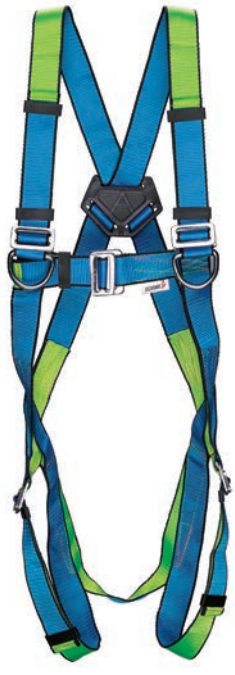
Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Ideal use for explosive atmosphere Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Flame retardant webbing to withstand upto 700^0 F/371^0 C Ideal harness for welders Buckles of high strength alloy steel
Stitching	High-strength FR thread thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	Conforms to EN 361, Webbing as per ISO 15025:2005

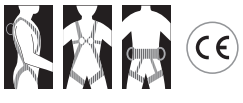
Conforming to ATEX specifications

UB-103

Anchor point	One dorsal D-ring and Two Chest D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked







UB-104

Anchor point	One dorsal D-ring, Two Chest D-ring, Two Lateral D-ring
Special features	Integrated work positioning waist pad Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	EN 361 CE Marked

UB 121

Anchor point	One Dorsal D-ring and One Chest D-ring, Integrated rescue strap attached on shoulder
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	Conforms to EN 361, EN 1497

Designed for quick rescue

QMAX SERIES

QMAX 1

Anchor point	One dorsal D-ring
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	IS: 3521:1999. ISI marked CLASS "A", DGMS Approved

QMAX 4

Anchor point	One dorsal D-ring and One Front D-ring Two chest attachment D-rings for fall arrest attachment
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	IS: 3521:1999. ISI marked CLASS "L", DGMS Approved

Q MAX 5

Anchor point	One dorsal D-ring and integrated work positioning belt with two lateral D-rings
Special features	Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps at chest, shoulder and thighs
Standard	IS: 3521:1999. ISI marked CLASS "P", DGMS Approved

DENIM JACKET HARNESS

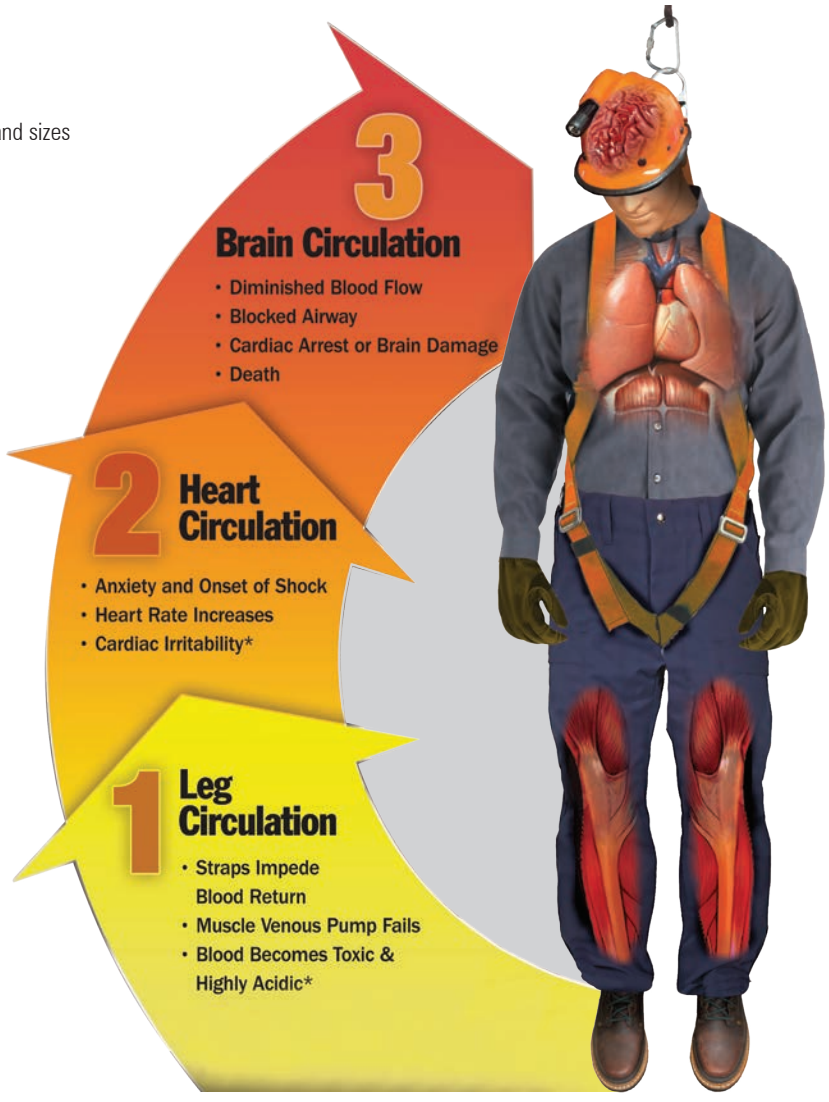
Anchor point	One dorsal D-ring and Two chest D-ring, attachment loop
Special features	Integrated with Denim Jacket Harness Easy and fast to put on zipper system Executive design with two pockets Ergonomic horizontal H-shaped thigh straps Ideally positioned sit-strap for extended comfort Built-in dual colour webbing for easy orientation
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	IS 3521:2003 ISI Marked

NEW HI-VIZ JACKET HARNESS

Anchor point	One dorsal D-ring and Two textile chest attachment loop
Special features	Hi visibility jacket harness made of 100% polyester floroscent fabric with special air mesh fabric at critical location to enhance wearer comfort 3M scotchlite tape used at front and back for easy visibility Easy and fast to put on zipper system with two zip pockets
Materials	Fray-proof dope-dyed polyester webbing Metal buckles of high strength alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps only at chest and thighs
Standard	Confirms to EN 471 class II ; EN 361

SUSPENSION TRAUMA

- Lightweight web straps designed to reduce the onset of suspension trauma during post-fall suspension, allow user to flex leg muscles and relieve leg strap pressure while suspended prior to rescue.
- Avoid effects of suspension trauma
- Compact, lightweight, versatile
- Multiple attachment point options
- Fast, easy installation & deployment
- Multiple loop design accommodates all heights and sizes
- Length- 1.2 meter



WORK POSITION HARNESS

WP 01

Anchor point	Work positioning waist belt with Two lateral D-rings
Special features	Ring provided for tool holder Thermoform comfort back support
Materials	Fray-proof dope-dyed polyester webbing Two lateral D-rings of forged alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps at waist
Standard	Conforms to EN 358
Weight	0.640 kgs approx

WP 02

Anchor point	Work positioning waist belt with Two lateral D-rings and one ventral positioning D-ring
Special features	H-shaped thigh strap holds the positioning belt tight & fix makes it suitable for self rescue and ascending. Easy work positioning waist belt and sit harness Ring provided for tool holder Thermoform comfort back and thigh support
Materials	Fray-proof dope-dyed polyester webbing Two lateral D-rings of forged alloy steel
Stitching	High-strength polyester thread
Adjustability	Size adjustment straps at waist and thighs
Standard	Conforms to EN 358
Weight	1.370 kgs approx

HARNESS DONNING

Harness	Dorsal D-ring / Eye loops A	Sternal D-ring / Eye loops L	Lateral D-ring / Eye loops P	Ventral D-ring / Eye loops D	Shoulder D-ring / Eye loops E
ECO 4	√				
UB 101	√				
QMAX1	√				
ECO 1	√	√			
ECO 2	√	√			
ECO 3	√	√			
UB 102	√	√			
UB 102 RIGHT ON	√	√			
UB 103	√	√			
QMAX 4	√	√			
UB 121	√	√			√
TANGO I	√	√			
TANGO II	√	√			
UB 102 Plus	√	√	√		
UB 102 FR	√	√			
EDGE 1	√	√	√		
EDGE LITE	√	√			
EDGE LITE PRO	√	√			
WP 01			√		
WP 02			√	√	
UB 101 PLUS	√		√		
QMAX 5	√		√		
UB 104	√	√	√		
ULTRATEC	√	√	√	√	
UB 102 NM	√	√			
DENIM JACKET	√	√			
HI-VIZ JACKET	√	√			
DI ELECTRIC	√	√	√	√	
FR JACKET WITH FR HARNESS	√	√			
ANTI STATIC	√	√			
ECO PLUS	√	√			

Materials: Nylon & Braided Rope, Polyester Webbing, Assorted Alloys Engineering: Shock Absorption, Strength Optimisation, Self Retraction, Elasticity, Adjustability, Hooks with Anti-rust coating, Integrated Systems & Solution, Proof Loaded Range: Lanyards & Hooks, Retractable fall Arrester, Double and Single Lines, Synthetic and Metallic Ropes, Adaptable to works, Innovative: Portable, Handy, Elastic, Light yet Robust Compliance: Compliant to EN norms.

CONNECTING LINES & CONNECTORS

LANYARDS

The body harness should be connected to the anchor point. An appropriate connector made of webbing or rope with shock-absorbing tool, or retractable lifeline, ties the body-harness securely to the anchor point to restrain or arrest the fall with minimal impact upon the wearer.

We offer the restraining lanyards as per EN-354: 2010 in a range of different materials such as twisted rope, braided rope, webbing and elasticated webbing, below is a detailed list with their features and advantages.

Technical information:

1) Rope lanyards - 12 mm polyamide rope/poly propylene rope

2) Braided rope lanyards – 10.5 mm dia kernmental rope

3) Webbing lanyards - 44 mm polyester webbing

4) Elasticated webbing lanyards – 35 mm wide webbing

Shock absorbing lanyards

Tested by a dropping a 100 kg mass from a distance of 4 metres generating a force of 20 kN (2,040 kg). The lanyard is capable of reducing this force to below 6 kN (612 kg). This ensures a softer impact on both the user and the structure to which they are attached. They employ an extra high-strength tear webbing for consistent performance. They must be used only at heights above 6 metres and 1 metre more (than standard lanyard) clearance must be ensured.

Udyogi energy absorbing lanyards are available in numerous materials each with features to suit many and varied fall arrest applications.

Single lanyards are generally used in various fall arrest situations, and are designed to limit the force of a sustained fall to under 6 kN.

Double webbing lanyards are generally used to access different areas of a building or tower without being disconnected, and are the perfect way to be connected to an anchorage point at all times.

Product features

- Lanyards feature an external energy absorber, which allows for visual indication of a sustained fall.
- Lanyards are available as standard with 19 mm opening hooks at each end, or with a choice of scaffold hook to suit different attachment applications.
- For use in fall arrest situations, where the freefall does not exceed 2 metres.
- When estimating free fall distances, the extension of the energy absorber must betaken into consideration. The maximumenergy absorber deployment is 1.75 metres.
- Choose a webbing lanyard for standard fall arrest applications. The webbing lanyard is lightweight, easy-to-use and does not retain dirt, making it perfect for everyday use.
- Choose a rope lanyard for situations where working around slightly abrasive surfaces. The rope lanyard is robust and great in heavy-duty applications.

How to choose your appropriate Lanyard

Type of lanyard	Features	Advantages
Twisted polyamide rope	• High tenacity multi-filament polyamide fiber • 3-strand synthetic fiber ropes • Breaking strength – 3,070 kgf • Excellent resistance to UV • Excellent abrasion resistance • Supports up to 17% elongation • Termination method - Splicing of twisted strands • Machine washable • Wear and tear indicator	• Durable • Excellent shock absorption • Easy inspection and maintenance • Standard connecting line available widely
Braided rope	• Low elongation and high static strength polyester fiber • Braided with core construction with protective outside layer along the entire high quality polyester rope • Breaking strength 2,950 kgf • Superior UV protection • Mass of 73g/m • Elongation at 150kg-3.8% • Termination method - Double-stitched using computer-controlled m/c • State-of-the-art flexible rope	• Protects against water, dust and other particles that might damage the core of the rope • Very flexible and easy to handle • Compact and durable • Very light and consumes less space • Excellent shock absorption properties • Easy to maintain and inspect
Webbing lanyard	• High tenacity multi-filament polyester fiber • 44 mm wide webbing • Breaking strength – 2,800kgf • Excellent resistance to UV • Excellent abrasion resistance • Termination method - Stitching • Compact and easy to inspect	• Protects against dust and other particles • Flexible and easily storable • Very light and consumes lesser space • Easy to inspect the stitching
Elastic lanyard	• High tenacity multi-filament polyester fiber • 35 mm wide elasticated webbing • Breaking strength – 2,800kgf • Excellent resistance to UV • Protective cover makes it easy to inspect and maintain • Excellent mobility as unused lanyard retracts • Termination method - Stitching • Unused size-1.1 metres, expandable size-1.8 metres	• Protects against dust and other particles as available with protective cover • Flexible and easily storable • Very light and consumes lesser space • Freedom of obstracted movement. Tangle free - extends only as per movement • Easy to inspect the terminations

WORK RESTRAINT POLYAMIDE LANYARDS

EASY RL 02

EASY RL 03

EASY RL 04

EASY RL 05

EASY RL 09

- Length : 2 metres from hook to hook
- Rope dia : 12 mm
- 23 kN strength
- Conforms to EN: 354:2010

* Also available in polypropylene rope

Model No.	Description
Easy RL 02	With one side eye loop and other side EASY 308 karabiner
Easy RL 03	Both side EASY 308 karabiner
Easy RL 04	With one side EASY 308 karabiner and other side EASY SH 18 hook
Easy RL 05	With one side EASY 308 karabiner and other side EASY SH 60 scaffolding hook
Easy RL 09	With one side EASY 308 karabiner and other side EASY SH 90 scaffolding hook

WORK RESTRAINT BRAIDED LANYARDS

EASY BL 02

EASY BL 03

EASY BL 04

EASY BL 05

EASY BL 09

VIDYUT 02

- Length : 2 metres from hook to hook
- Rope dia : 10.5 mm
- 23 kN strength
- Conforms to EN: 354:2010

Model No.	Description
Easy BL 02	With one side eye loop and other side EASY 308 karabiner
Easy BL 03	Both side EASY 308 karabiner
Easy BL 04	With one side EASY 308 karabiner and other side EASY SH 18 hook
Easy BL 05	With one side EASY 308 karabiner and other side EASY SH 60 scaffolding hook
Easy BL 09	With one side EASY 308 karabiner and other side EASY SH 90 scaffolding hook
Vidyut 02	One Insulated di-electric scaffolding hook

WORK RESTRAINT WEBBING LANYARDS

EASY WL 02

EASY WL 03

EASY WL 04

EASY WL 05

EASY WL 09

- Length : 2 metres from hook to hook
- Webbing width : 44 mm
- 23 kN strength
- Conforms to EN: 354:2010

Model No.	Description
Easy WL 02	With one side eye loop and other side EASY 308 karabiner
Easy WL 03	Both side EASY 308 karabiner
Easy WL 04	With one side EASY 308 karabiner and other side EASY SH 18 hooks
Easy WL 05	With one side EASY 308 karabiner and other side EASY SH 60 scaffolding hooks
Easy WL 09	With one side EASY 308 karabiner and other side EASY SH 90 scaffolding hooks

WORK RESTRAINT ELASTICATED LANYARDS

EL 02

EL 03

EL 04

EL 05

EL 09

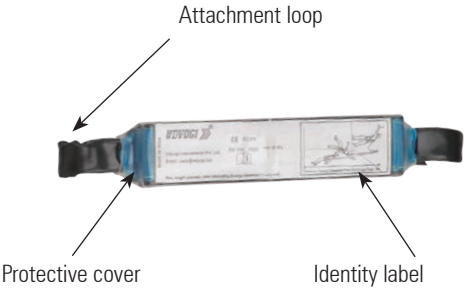
- Length : Extendable from 1.2 metre to 2 metre
- 35 mm wide 100% polyester webbing
- Elasticated single Lanyard
- Extremely lightweight & compact lanyard
- Conforms to EN: 354:2010

Model No.	Description
Easy EL 02	With one side eye loop and other side EASY 308 karabiner
Easy EL 03	Both side EASY 308 karabiner
Easy EL 04	With one side EASY 308 karabiner and other side EASY SH 18 hooks
Easy EL 05	With one side EASY 308 karabiner and other side EASY SH 60 scaffolding hooks
Easy EL 09	With one side EASY 308 karabiner and other side EASY SH 90 scaffolding hooks

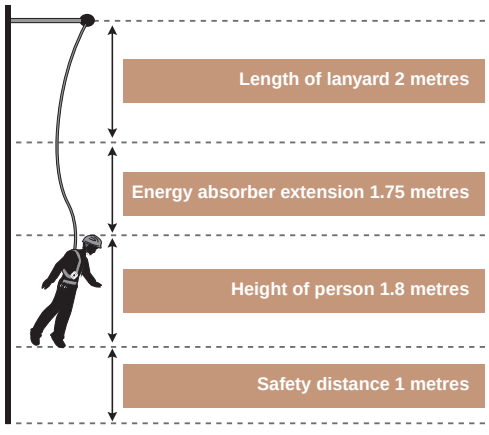
ENERGY ABSORBERS

When a fall happens, the energy absorber deploys itself and absorbs the energy generated; decelerating the user over a short distance and thus reducing the impact on the user.

It should be noted that an energy absorber can be activated partially. This could happen if it is being subjected to a force above 2 kN without a fall occuring. To avoid this scenario, the user should not put their weight suddenly on any component including the energy absorber, while use.



Main components of an energy absorber



Minimum fall clearance required-6.55 metres while using an energy absorbing lanyard

FALL ARREST SINGLE LANYARD - POLYAMIDE

EASY ABSORB 01

EASY ABSORB 02

EASY ABSORB 03

- Length : 2 metre from hook to hook
- Rope dia : 12 mm

EASY ABSORB 09

- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

FALL ARREST SINGLE LANYARD - POLYAMIDE

Model No.	Description
Easy Absorb 01	Shock absorber with EASY 308 karabiner and other side EASY SH60 scaffolding hooks
Easy Absorb 02	Shock absorber with EASY 308 karabiner and other side EASY SH18 scaffolding hooks
Easy Absorb 03	Shock absorber with EASY 308 karabiner and other side EASY SH61 scaffolding hooks
Easy Absorb 09	Shock absorber with EASY 308 karabiner and other side EASY SH90 scaffolding hooks

FALL ARREST SINGLE LANYARD - BRAIDED

EASY ABSORB BL-01

EASY ABSORB BL-02

EASY ABSORB BL-03

EASY ABSORB BL-09

- Length : 2 metre from hook to hook
- Rope dia : 10.5 mm
- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
Easy Absorb BL 01	Shock absorber with EASY 308 karabiner and other side EASY SH60 scaffolding hooks
Easy Absorb BL 02	Shock absorber with EASY 308 karabiner and other side EASY SH18 hooks
Easy Absorb BL 03	Shock absorber with EASY 308 karabiner and other side EASY SH61 scaffolding hooks
Easy Absorb BL 09	Shock absorber with EASY 308 karabiner and other side EASY SH90 scaffolding hooks

FALL ARREST SINGLE LANYARD - ELASTICATED

EASY ABSORB EL 01

- Elasticated energy absorbing single Lanyard
- Extremely lightweight and Compact Lanyard
- Length : Extendable from 1.2 metre to 2 metre

EASY ABSORB EL 09

- 35 mm wide 100% polyester webbing
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
Easy Absorb EL 01	Shock absorber with EASY 308 karabiner and other side EASY SH60 scaffolding hooks
Esy Absorb EL 09	Shock absorber with EASY 308 karabiner and other side EASY SH90 scaffolding hooks

FALL ARREST SINGLE LANYARD - WEBBING

EASY ABSORB WL 01

EASY ABSORB WL 02

EASY ABSORB WL 03

EASY ABSORB WL 09

- Length : 2 metre from hook to hook
- 44 mm wide webbing energy absorbing single Lanyard
- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
Easy Absorb WL 01	Shock absorber with EASY 308 karabiner and other side EASY SH60 scaffolding hooks
Easy Absorb WL 02	Shock absorber with EASY 308 karabiner and other side EASY SH18 hooks
Easy Absorb WL 03	Shock absorber with EASY 308 karabiner and other side EASY SH61 scaffolding hooks
Easy Absorb WL 09	Shock absorber with EASY 308 karabiner and other side EASY SH90 scaffolding hooks

FALL ARREST DOUBLE LANYARD - POLYAMIDE

EASY ABSORB RL 22

Energy Absorbing Double Polyamide Rope Lanyard

- With one side EASY 308 Karabiner and other side two EASY SH 60 Scaffolding Hooks
- Rope dia : 12 mm
- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
EASY Absorb RL 22	• With one side EASY 308 karabiner and other side two EASY SH 60 scaffolding hooks
EASY Absorb RL 61	• With one side EASY 308 karabiner and other side two EASY SH 61 scaffolding hooks
EASY Absorb RL 90	• With one side EASY 308 karabiner and other side two EASY SH 90 scaffolding hooks

FALL ARREST DOUBLE LANYARD - BRAIDED

EASY ABSORB BL 22

- Twin braided rope lanyard with shock absorber
- Lightweight but highly tenacious
- With one side EASY 308 karabiner and other two sides EASY SH 60 hooks
- Rope dia : 10.5 mm
- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

VIDYUT 22

- Twin braided rope lanyard
- Lightweight but highly tenacious
- Two Di-Electric scaffold hooks
- Rope dia : 10.5 mm
- 23 kN strength
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
EASY Absorb BL 22	• With one side EASY 308 karabiner and other side two EASY SH 60 scaffolding hooks
EASY Absorb BL 61	• With one side EASY 308 karabiner and other side two EASY SH 61 scaffolding hooks
EASY Absorb BL 90	• With one side EASY 308 karabiner and other side two EASY SH 90 scaffolding hooks
Vidyut 22	• Two Insulated di-electric scaffolding hooks

FALL ARREST DOUBLE LANYARD - WEBBING

EASY ABSORB WL 22

- Twin webbing lanyard with Shock absorber
- With EASY 308 karabiner on one side, and two EASY SH 60 hooks on the other two sides
- Length : 1.8 mm
- Rope dia : 44 mm
- 23 kN strength
- Conforms to EN:355:2002 and 354:2010

Model No.	Description
EASY Absorb WL 22	• With one side EASY 308 Karabiner and other side two EASY SH 60 Scaffolding Hooks
EASY Absorb WL 61	• With one side EASY 308 Karabiner and other side two EASY SH 61 Scaffolding Hooks
EASY Absorb WL 90	• With one side EASY 308 Karabiner and other side two EASY SH 90 Scaffolding Hooks

FALL ARREST DOUBLE LANYARD - ELASTICATED

EASY ABSORB EL 22

- Elasticated energy absorbing double webbing lanyard
- Extremely lightweight and Compact lanyard with energy absorber
- With one side two SH 60 scaffolding hook and other side easy 308 karabiner
- Length : 1.8 mm (with max extend size and hook connected)
- 35 mm wide 100% polyester webbing
- Conforms to EN: 355:2002 and 354:2010

Model No.	Description
EASY Absorb EL 22	• With one side EASY 308 Karabiner and other side two EASY SH 60 Scaffolding Hooks
EASY Absorb EL 90	• With one side EASY 308 Karabiner and other side two EASY SH 90 Scaffolding Hooks

WORK POSITIONING LANYARD

PL 01

- Work positioning twisted polyamide rope lanyard for hands free work
- One side karabiner with aluminum rope adjuster and other side carabiner
- Works on 14 mm dia polyamide rope
- 23 kN strength
- Conforms to EN 358

PL 02

- Work positioning braided rope lanyard for hands free work.
- One side karabiner with aluminum rope adjuster and other side carabiner
- Works on 10.5 mm dia kernmental rope
- 23 kN strength
- Conforms to EN 358.

PL 03

- New and compact grip device, used for hands free work
- One side karabiner with grip adjuster and other side carabiner
- Adjustable gradually and moves freely.
- Can be accurately controlled with one hand
- Works on 10.5 mm dia kernmental rope
- Confirms to EN 358

ELASTICATED TOOL LANYARD

TOOL LANYARD

- Florescent elasticated webbing
- Lanyard length 85 cm and Extended length 135 cm
- Provided with 308 karabiner for easy attachment to the waist belt of harness

RETRACTABLE FALL ARRESTER

RETRACTABLE FALL ARRESTER

Self-retracting lifelines for all arrest situations. In case of a sudden fall, the in-built break mechanism locks immediately and prevents the user from falling further, thus limiting the break force to below 6 kN.

Area of application : Work on scaffoldings, cradles, window cleaning, roofs, towers, steel frameworks.

EDGE TWIN

- Twin lanyard webbing type retractable fall arrester
- Suitable to use in scaffhold and construction industry
- 25 mm wide webbing
- 2 metres in length
- Aluminium alloys metalic housing, double breaking system with in-built shock absorber, snap hook and karabiner
- Conforms to EN 360:2002 CE

EDGE 2.5 METRE MINI BLOCK

- Webbing type retractable fall arrester
- 47 mm wide webbing
- 2.5 metres in length
- Fitted with an inertia breaking system with in-built shock absorber, snap hook and karabiner
- Weight : 1 kg
- Conforms to EN 360:2002 CE

EDGE COMPACT

- Webbing type retractable fall arrester
- Compact and lightweight
- 30 mm wide webbing
- With shock absorber and snap hook
- Swivel steel snap hook with fall indicator
- Maximum load capacity 100 kg
- Conforms to EN 360:2002 CE

Model	Housing	Webbing	Webbing length
EDGE 3N	Polyamide	30 mm	3 metre
EDGE 6N	Polyamide	30 mm	6 metre
EDGE 10N	Polyamide	30 mm	10 metre
EDGE15N	Polyamide	30 mm	15 metre

EDGE LIGHT DUTY

- Wire rope type retractable fall arrester
- Polyamide casing
- Galvanised steel / stainless steel rope with swivel snap hook
- Maximum load capacity 100 kg
- Rated at 25 kN tensile strength
- Included conduit rope
- Conforms to EN 360:2002 CE

Model	Housing	Rope Type	Rope Dia	Rope Length
EDGE 3.5	Polyamide	Galvanised	4 mm	3.5 metre
EDGE 6	Polyamide	Galvanised	4 mm	6 metre
EDGE 6 S	Polyamide	Stainless steel	4.8 mm	6 metre
EDGE 7.5	Polyamide	Galvanised	4 mm	7.5 metre
EDGE 7.5 S	Polyamide	Stainless steel	4.8 mm	7.5 metre
EDGE 10	Polyamide	Galvanised	4 mm	10 metre
EDGE10 S	Polyamide	Stainless steel	4.8 mm	10 metre

EDGE 15

- Wire rope type retractable fall arrester
- 15 metre in length.
- Durable polyamide casing
- Galvanised steel / stainless steel rope with swivel snap hook
- Maximum load capacity : 100 kg
- Strength : 25 kN
- Included conduit rope
- Conforms to EN 360:2002 CE

EDGE 20

- Wire rope type retractable fall arrester
- 20 metre in length
- Heavy duty polyamide casing
- Galvanised steel / stainless steel rope with swivel snap hook
- Maximum load capacity 100 kg
- Strength : 25 kN
- Included conduit rope
- Conforms to EN 360:2002 CE

Model	Housing	Rope Type	Rope Dia	Rope Length
EDGE 15	Polyamide	Galvanised	4 mm	15 metre
EDGE 15 S	Polyamide	Stainless steel	4.8 mm	15 metre
EDGE 20	Polyamide	Galvanised	4 mm	20 metre
EDGE 20 S	Polyamide	Stainless steel	4.8 mm	20 metre

EDGE HEAVY DUTY

- Heavy duty wire rope type retractable fall arrester
- Galvanised steel / stainless steel rope with swivel snap hook
- Durable polyamide casing
- Maximum load capacity : 100 kg
- Strength : 25 kN
- Included with conduit rope
- Conforms to EN 360:2002 CE

Model	Housing	Rope Type	Rope Dia	Rope Length
EDGE 25	Polyamide	Galvanised	4 mm	25 metre
EDGE 32	Polyamide	Galvanised	4 mm	32 metre

IKAR
Height Safety Devices

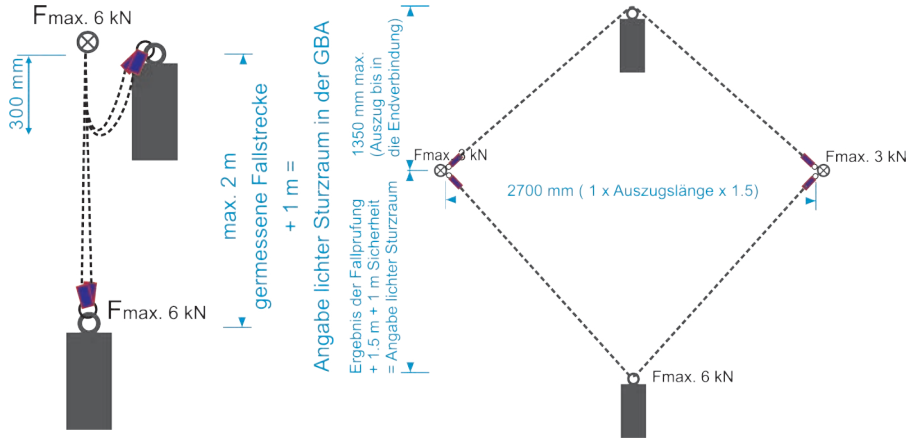
Height Safety Devices

For the last 38 years IKAR GmbH has been at the forefront of its field in the development of height safety devices.

In 2003 IKAR GmbH has successfully completed the horizontal field test for height safety devices with self-retractable lanyard from steel wire rope Ø 4.5 mm.

In 2005 IKAR GmbH successfully completed horizontal field tests with self-retractable webbing lanyard. With the development of an energy absorbing element within the lanyard, this reduced the impact force, which affects the worker and the anchorage point to less than 3 kN in the event of a fall.

In order to further increase the safety of our users, in 2010 we tested and had licensed a height safety device, which protects the worker with forces of less than 3 kN when working in a mobile elevated platform.



Our experience in the field of developing and using height safety devices have shown that the current standards are not sufficient to ensure the safety of users of double height safety devices. The next big challenge for Europe and the world are the additional tests for double height safety devices to increase the safety of the users. The IKAR double height safety devices already passed these additional tests today.

We will further collaborate in the field in order to increase the safety-related status of personal fall protection equipment for the maximum safety and protection of our users.

IKAR height safety device technology— one step ahead of safety.

Flexible

according to EN 360:2002

Housing: Plastic or Aluminium

Lifeline: Webbing or galvanized steel lifeline as specified below

Sturdy, low-maintenance height safety device with webbing or galvanized steel lifeline. Lightweight plastic or aluminium housing with a rotational attachement eye.

The rotational attachement eye prevents the webbing or rope from twisting.

Height Safety Devices are available with CSA Z259.2.2-98- and ANSI/ASSE Z359.14-2012/LE certification.

Explanation for the device names :

H = Height Safety Device

W = Swivel attachment point

S = Galvanized steel lifeline

B = Webbing lifeline

P = Plastic housing

Number = Length of the retractable connecting element

Example :

HWB 3, 4 means : Height Safety Device with swivel and strap, length of the harness strap 3.5 m

*** IKAR Fall Protection Devices function in any location position and have been tested in a simulated fall trial over an edge, CNB 11.060 2008 Sharp edge type A**

Type Order No.	Connecting Device	Housing	Weight	Dimensions (mm)	Carabiner Hook (mm)
41-HWB 1.8	1.80 m Web*	Aluminium	0.7 kg	237 x 78 x 60	140
41-HWB 2 (Sweety)	2.00 m Web*	Aluminium	0.8 kg	240 x 84 x 61	140
41-HWB 2.8	2.80 m Web*	Aluminium	0.8 kg	240 x 84 x 61	140
41-HWB 3.5	3.50 m Web*	Aluminium	1.1 kg	270 x 88 x 64	140
41-HWPB 3.5	3.50 m Web*	Plastic	1.2 kg	326 x 104 x 78	140
41-HWPB 5.5	5.50 m Web*	Plastic	1.5 kg	300 x 130 x 78	140
41-HWPB 7	7.00 m Web*	Plastic	1.8 kg	300 x 165 x 80	140
41-HWPB 9	9.00 m Web*	Plastic	2.3 kg	335 x 168 x 88	140
41-HWPB 12	12.00 m Web*	Plastic	3.4 kg	370 x 195 x 95	140
41-HWPB 15	15.00 m Web*	Plastic	5.3 kg	400 x 195 x 95	140
41-HWS 4.5	4.50 m Steelrope*	Aluminium	2.7 kg	400 x 130 x 78	185
41-HWS 6	6.00 m Steelrope*	Aluminium	3.0 kg	400 x 145 x 80	185
41-HWS 9	9.00 m Steelrope*	Aluminium	3.7 kg	455 x 160 x 85	185
41-HWS 12	12.00 m Steelrope*	Aluminium	5.4 kg	490 x 190 x 95	185
41-HWS 18	18.00 m Steelrope*	Aluminium	6.9 kg	540 x 220 x 97	185
41-HWS 24	24.00 m Steelrope*	Aluminium	8.4 kg	575 x 250 x 97	185
41-HWPS 3	3.00 m Steelrope*	Plastic	1.9 kg	390 x 104 x 78	185
41-HWPS 4.5	4.50 m Steelrope*	Plastic	2.1 kg	400 x 130 x 78	185
41-HWPS 6	6.00 m Steelrope*	Plastic	2.5 kg	420 x 145 x 80	185
41-HWPS 9	9.00 m Steelrope*	Plastic	3.2 kg	460 x 168 x 88	185
41-HW9S 12	12.00 m Steelrope*	Plastic	4.9 kg	500 x 195 x 95	185
41-HWPS 18	18.00 m Steelrope*	Plastic	6.3 kg	540 x 195 x 95	185
41-HWPS 24	24.00 m Steelrope*	Plastic	7.3 kg	570 x 250 x 97	185

HWDB 2

according to EN 360:2002

Connector : IKV 21 according to EN 360:2002

Housing : Aluminium

Lifeline : Webbing

Sturdy, low-maintenance, double height safety device with webbing lifeline, for 1 person. The lifeline 2 x 2 m incorporates a sewn fall indicator.

Lightweight aluminium housing with a rotational attachment eye.

Swivel double action hooks IKV 21 with a gate opening of 24 mm, alternatively large swivel double action hooks IKV 32 W with a gate opening of 60 mm on the end of each lifeline.

*** IKAR Fall Protection Devices type HWDB 2 and HWB 1,8 DW function in any location position and have been tested in a simulated fall trial over an edge, CNB 11.060 2008 sharp edge type A.**

HWDB 1,8 DW

according to EN 360:2002

Connector : IKV 21 according to EN 360:2002

Housing : Aluminium

Lifeline : Webbing

Using the IKAR DW to connect two single HWB 1,8.

The internal energy absorber reduces the arrest forces to less than 3 kN per device. The combination of the swivel connector and the integral swivel of the HWB devices allows a maximum flexibility.

The lifeline 2 x 1.8 m incorporates a sewn fall indicator.

Lifeline available with aluminium double action hooks IKV 11 with gate opening 24 mm or alternatively large swivel double action hooks IKV 32 W with a gate opening of 60 mm.

Explanation for the device names :
H=Height Safety Device, **W**=Swivel attachment point, **S**=Galvanized steel rope, **B**=Webbing strap, **P**=Plastic housing, **Number** = Length of the retractable connecting element

Example :
HWB 1,8 means: Height Safety Device with swivel and strap, length of the harness strap 1.8 m.

Height Safety Devices are available with CSA Z259.2.2-98- and ANSI/ASSE Z359.14-2012/LE certification

Type Order No.	Connecting Device	Housing	Weight	Dimensions (mm)	Carabiner Hook (mm)
41-HWDB 2	2 X 2.0 m Web	Aluminium	1.90 kg	250 x 165 x 60	180
41-HWDB 2 R	2 X 2.0 m Web	Aluminium	2.80 kg	250 x 165 x 60	280
41-HWB 1,8 DW	2 X 1.8 m Web	Aluminium	2.26 kg	290 x 170 x 60	135
41-HWB 1,8 R DW	2 X 1.8 m Web	Aluminium	2.26 kg	290 x 170 x 60	280

Acccon Click Block ACB 1.8

according to EN 360:2002, CNB 11060 2008 Type A

The IKAR Height Safety Device ACB 1.8 is 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. The lanyard length is 1.8 m, furthermore a connector strap of 400 mm from the harness can be used.

Optional further Lanyards and Connecting Elements:

Connector strap 400 mm, Order no. **45-IK 30 B 40 R** as lanyard,

IKV 30, TriLock steel carabiner 25 kN with pin, Order no. **4000000030**

IKV 13, Steel carabiner 25kN with pin, **Order no. 400000SK00**

Type Order No.	Connecting Device	Housing	Weight	Dimensions (mm)	Carabiner Hook (mm)
41-ACB 1.8	1.8 m Web	Aluminium	960 g	240 x 83 x 63	130

Robusto

according to EN 360:2002

Housing : Plastic or Aluminium

Lifeline : Webbing or galvanized steel lifeline

Sturdy, low-maintenance height safety device with galvanized steel lifeline or webbing as retractable connecting element. Version with aluminium housing or plastic housing, approved for vertical and horizontal work.

IKAR fall protection devices feature a very high safety standard and worldwide proven technology.

Explanation for the device names :
H = Height Safety Device

S = Galvanized steel lifeline

B = Webbing lifeline

P = Plastic housing

Number = Length of the retractable connecting element

Example :
HPS 12 means : Height Safety Device, plastic housing and steel rope, length of the steel rope 12 m.

*** IKAR Fall Protection Devices function in any location position and have been tested in a simulated fall trial over an edge, CNB 11.060 2008 sharp edge type A**

Height Safety Devices are available with ANSI/ASSE Z359.14-2012/ LE-certification.

Type Order No.	Connecting Device	Housing	Weight	Dimensions (mm)	Carabiner Hook (mm)
41-H 12	12.00 m Steelrope*	Aluminium	5.9 kg	450 x 195 x 90	185
41-H 18	18.00 m Steelrope*	Aluminium	9.5 kg	550 x 240 x 100	185
41-H 24	24.00 m Steelrope*	Aluminium	13.5 kg	630 x 275 x 110	185
41-H 33	30.00 m Steelrope*	Aluminium	18.0 kg	640 x 320 x 120	185
41-H 42	42.00 m Steelrope	Aluminium	27.2 kg	750 x 370 x120	185
41-H 65	65.00 m Steelrope	Aluminium	38.0 kg	780 x 390 x 150	185
41-HPB 7	7.00 m Web*	Plastic	2.9 kg	370 x 195 x 100	185
41-HPB 12	12.00 m Web*	Plastic	4.4 kg	550 x 240 x 100	185
41-HPS 6	6.00 m Steelrope	Plastic	3.0 kg	430 x 150 x 91	185
41-HPS 12	12.00 m Steelrope	Plastic	4.6 kg	470 x 190 x 114	185
41-HPS 18	18.00 m Steelrope*	Plastic	6.7 kg	540 x 225 x 96	185

Height Safety Devices Type HRA

HRA

according to EN 360:2002, EN 1496:2007

Housing : Plastic or Aluminium

Lifeline : Galvanized steel rope

IKAR height safety devices with rescue hoisting facility (type HRA) are equipped with a winching unit. In case of a rescue after a fall, this winch unit can easily be snapped-in by a second person e.g. in case of unconsciousness through gas in shafts or channels.

The person who has suffered the accident can therefore be rescued quickly and safely. The unit is completely closed and has no wearing parts. All parts are made from stainless steel, aluminum or shockproof plastic. Different steel rope lengths ensure that a suitable device is available for every application.

(Special steel rope lengths and V2A stainless steel or Dyneema ropes are possible on request!)

IKAR height safety devices with rescue hoisting facility have a very high standard of safety using technology which has proven its excellence throughout the world.

Height Safety Devices are available with CSA Z259.2.2-98- and ANSI/ASSE Z359.14-2012/LEcertification.

Explanation for the device names :

H = Height Safety Device

R = Rescue hoisting device

S = Let-down function

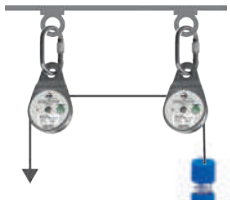
P = Plastic housing

Number = Length of the retractable connecting element

Example :
HWB 3, 4 means : Height Safety Device with swivel and strap, length of the harness strap 3.5 m

IKAR height safety devices with rescue hoisting facility and winch chain, the unique alternative for every rescue situation. The winch chain enables easy use of the winch in the HRA device, even if the load fastening point of the device is located in a very high position.

Application example: Entering shafts. The height safety device is stationary mounted on a vehicle rendering the load fastening point very high, with the result that a rescue via a hand-crank device is not possible.



Eyebolt AP-Fix
Deflection Roller

HRA Wall Holder
HRA Wall Holder quick-release holder for wall mounting all HRA devices from 9.5 – 33 m

Order no. **41-54 / WHG**

Type Order No.	Connecting Device	Housing	Weight	Dimensions (mm)	Carabiner Hook (mm)
41-HRA 12	12.00 m Steelrope	Aluminium	7.0 kg	450 x 195 x 180	85
41-HRA 18	18.00 m Steelrope	Aluminium	11.5 kg	570 x 240 x 200	185
41-HRA 24	24.00 m Steelrope	Aluminium	16.0 kg	630 x 275 x 220	185
41-HRA 33	30.00 m Steelrope	Aluminium	21.0 kg	640 x 315 x 230	185
41-HRA 42	42.00 m Steelrope	Aluminium	40.0 kg	740 x 370 x 235	185
41-HRA 65	65.00 m Steelrope	Aluminium	43.0 kg	780 x 390 x 240	185
41-HRA 18 P	18.00 m Steelrope	Plastic	10.3 kg	620 x 231 x 152	185
41-HRA 18PD	15.00 m Dyn.-Rope	Plastic	9.2 kg	620 x 231 x 152	185
41-HRA 12 E	12.00 m VA-Rope	Aluminium	7.0 kg	450 x 195 x 180	185
41-HRA 18 E	18.00 m VA-Rope	Aluminium	11.5 kg	570 x 240 x 200	185
41-HRA 24 E	24.00 m VA -Rope	Aluminium	16.0 kg	630 x 275 x 220	185
41-HRA 33 E	30.00 m VA-Rope	Aluminium	21.0 kg	640 x 315 x 230	185
41-HRA 42 E	42.00 m VA-Rope	Aluminium	40.0 kg	740 x 370 x 235	185
41-HRA 12 D	9.00 m Dyn.-Rope	Aluminium	6.0 kg	450 x 195 x 180	185
41-HRA 18 D	15.00 m Dyn.-Rope	Aluminium	10.1 kg	570 x 240 x 200	185
41-HRA 24 D	20.00 m Dyn.-Rope	Aluminium	14.1 kg	630 x 275 x 220	185
41-S30	Winch chain drive, available for all HRA devices, Weight approx. 3.0 kg				

ANCHOR LINES

PR-14

- 3-strand polyamide rope
- Rope dia: 14 mm.

ROPE GRAB FALL ARRESTER

ASCORD AN 060

- In built shock absorber and fall indicator
- Made of stainless steel
- Auto gravity lock to avoid incorrect use
- Light weight compared to conventional fall arrester
- Works on 14 mm dia polyamide rope
- Conforms to EN 353-2 CE

UB 2005 SS

- Light weight guided type fall arrester
- Made of stainless steel
- In built gravity lock to avoid incorrect use
- Two deliberate operation require to open and close
- Built in rope guided wheel for tangle free movement
- With anti panic feature
- Works on 14 mm dia polyamide rope
- Conforms to ANSI Z359.1

UB 2009

- Guided type fall arrester
- Made of alloy steel
- In built gravity lock to avoid incorrect use
- In event of fall quickly grips the rope
- Works on 14 mm dia polyamide rope
- Conforms to EN 353-2 CE

UB 2010

Wire Rope Grab Fall Arrester

- Sliding type cable Fall Arrester
- Double hook system
- For fixed anchorage line with EASY 308 Karabiner
- Works on 8 mm dia wire rope
- Conforms to EN 353-1

2011 FALL ARRESTER

- Guided type fall arrester
- Made of high strength steel
- In built gravity lock to avoid incorrect use
- In event of fall quickly grips the rope
- Detachable rope grab device
- Works on 14 mm dia polyamide rope
- Conforms to EN 353-2 CE

UB 2015

- Light weight guided type fall arrester
- Made of alloy steel
- Manual lock position to allow work on inclined roof and also resistant position.
- Works on 11 mm & 12 mm dia kernmental rope
- Conforms to EN 353-2 CE

UB 2016

- Guided type fall arrester
- Made of alloy steel
- The rope lock fall arrester
- Cannot be opened from the rope, only inserted in the rope from the bottom end.
- Works on 11-12 mm dia kernmental rope
- Conforms to EN 353-1 CE

CONNECTORS

Connectors are components that are used to link other Personal Fall Arrest System (PFAS) components together, for example, a lanyard to an anchor.

Connectors that have a closure function, which provides protection against unintentional opening of the gate, should be used (e.g., by means of an automatic locking device or screw-sleeve).

Anchor connectors

Class-A connectors are connectors used for specific type of anchors

Multi-use connectors

Class-M connectors are for general use which may be loaded on either the major or minor axis.

It is important to note the safe working load for a major and minor axis of a connector (as per manufacturer's instructions and recommendations).

Termination connectors

Class-T connectors come with a captive eye.

SH90 HOOK

- Steel alloy hook
- Small and compact Drop Forged
- Weight : 349gm
- Strength : 25 kN
- Opening : 56 mm
- Conforms to EN:362

LIGHTWEIGHT TOWER ANCHOR HOOK

- Stainless steel hook
- Strength : 25 kN
- Opening : 75 mm
- Conforms to EN:362

DI ELECTRIC SCAFFOLD HOOK

- Insulated di-electric hook
- Weight : 475 gm (Approx)
- Strength : 25 kN
- Opening : 56 mm
- Conforms to EN:362

EASY 308

- Steel karabiner with screw gate
- Strength : 22 kN
- Opening : 17 mm
- Conforms to EN:362

EASY 310

- Karabiner with screw gate
- Strength : 20 kN
- Opening : 19 mm
- Conforms to EN:362

EASY 311

- Aluminium alloy with karabiner with screw gate
- Strength : 25 kN
- Opening : 16 mm
- Conforms to EN:362

EASY 312

- Aluminium alloy karabiner with screw gate
- Strength : 25 kN
- Opening : 22 mm
- Conforms to EN:362

EASY 313

- Aluminium alloy with quarter turn karabiner
- Strength : 25 kN
- Opening : 22 mm
- Conforms to EN:362

EASY 314

- Aluminium alloy snap hook
- Strength : 22 kN
- Opening : 22 mm
- Conforms to EN:362

EASY 315

- Steel quarter turn hook
- Forged alloy steel
- Strength : 22 kN
- Opening : 25 mm
- Conforms to EN:362

EASY SH 18

- Snap hook
- Forged alloy steel
- Strength : 22 kN
- Opening : 18 mm
- Conforms to EN:362

EASY SH 60

- Snap hook
- Forged alloy steel
- Strength : 22 kN
- Opening : 56 mm
- Conforms to EN:362
- Weight: 475 gm

EASY SH 61

- Snap hook
- Forged aluminium alloy
- Strength : 22 kN
- Opening : 60 mm
- Conforms to EN:362
- Weight: 470 gm

PAINTING & MAINTENANCE KIT

Multipurpose Harness

Polyester Sling

Descender

Fall Arrester

Karnmental Rope

Polyamide Rope

Karabiner

Parapet Anchor

Rock Chair

Kit Bag

RESCUE KIT

Multipurpose Harness

Polyester Sling

Descender

Cows Tail Lanyard

Bledless Cutter

Fall Arrester

Karnmental Rope

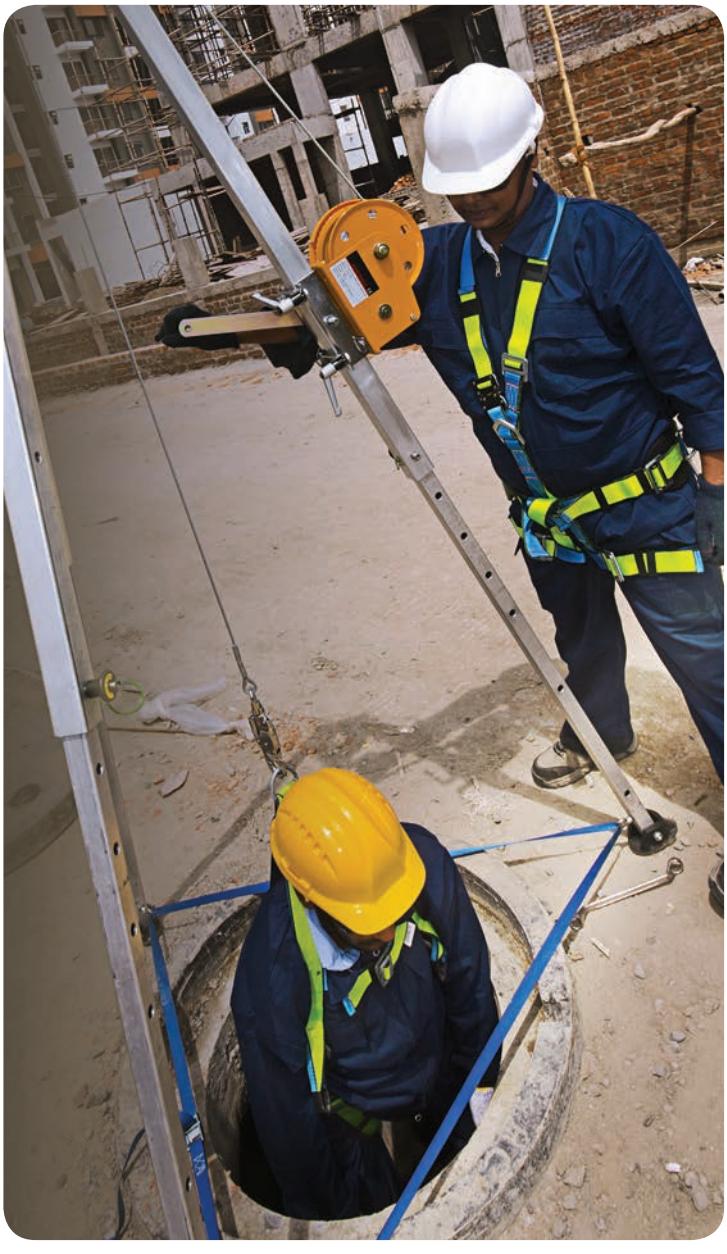
Double Lanyard (Braided)

Karabiner

Polyamide Rope

Kit Bag

TRIPOD KIT



UB 121

Tripod

Winch

Retractable Fall
Arrester Block

TOWER KIT

Fall Arrester

Edge 01

Work positioning Lanyard

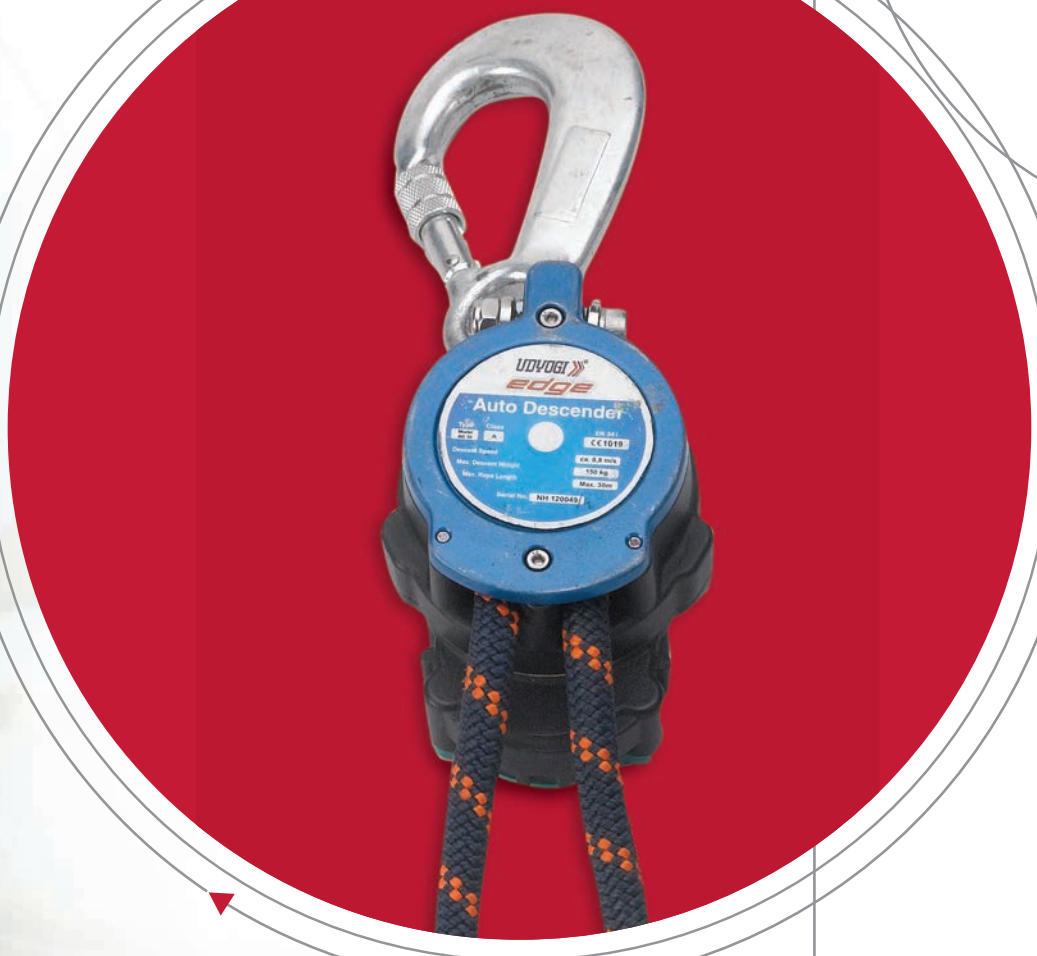
Double Lanyard (Braided)

Tool Bag

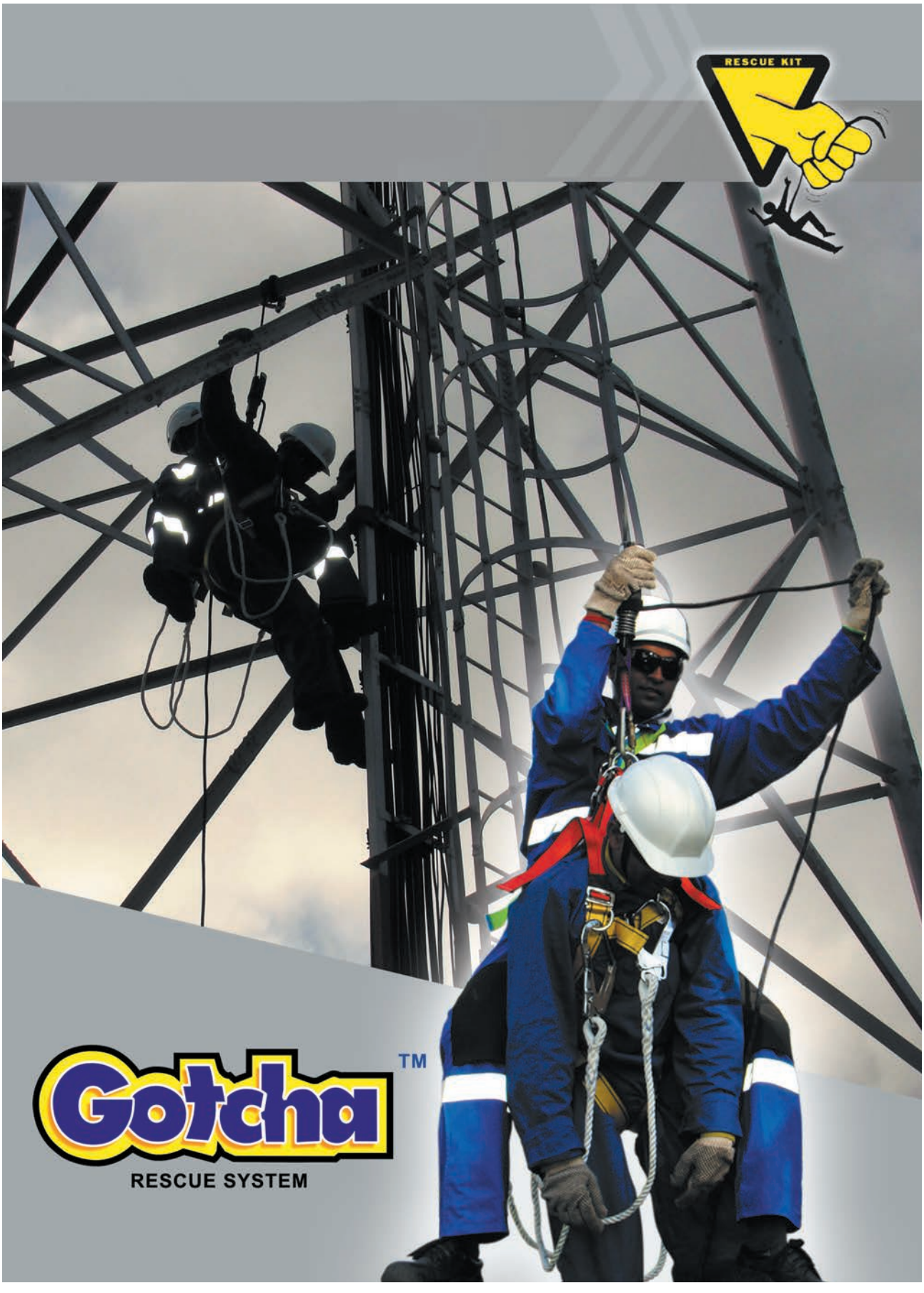
Polyamide Rope

Kit Bag

RESCUE



Components are mutually-logically and technically streamlined and optimised for maximum performance and stability, one piece and easy-to-open integrated system, quick to deploy, system generated signals about right functioning and stability, designed to minimise the time factor and comply to sustain suspension trauma, capacity to carry 300 kgs and sustain the weight of two persons and compliant to EN 341 Class-D parameters.


RESCUE KIT
Gotcha
TM
RESCUE SYSTEM

GOTCHA SHARK KIT ASSISTED RESCUES

Pre engineered self-contained kit designed for rescue or recovery of a fallen or injured person from high structures such as pylons, towers and masts.

FEATURES

- A self-locking descender pre-installed on heavy-duty kernmantle rope
- Designed to ensure the user maintains control in extreme situations
- Auto-lock on release or panic grip
- Rated for loads up to 300kg
- Installed on 11 mm thick semi-static rope with captivated steel auto-lock karabiner and attachment sling
- Double slings for attaching rescuer and casualty both with steel auto-lock karabiners
- Integral rope protector
- Provided in a clearly labeled, robust "rescue " bag with attachment points and handles for ease of carrying
- Certified to EN 341 Class-D

ADVANTAGES

- Suitable for rescue from - lanyards, vertical fall arrest systems and web retractable
- Fast and reliable - can be operated by a single person and easy to handle
- Bladeless cutting - the victim is released by cutting their primary attachment with a unique bladeless cutter for safety and accuracy
- Rescue direction - the Shark is a descent rescue kit entails the rescuer descending to the victims collecting them and descending to safety
- Pre-assembled - plug & play type
- Assisted rescue - the rescuer accesses the victim in order to recover them
- Two person use - the Gotcha Shark is rated for loads up to 330 kg approximately in normal use
- Gotcha Shark Kits are available in 66 metres and 100 metres in length

RESCUE

EDGE AUTO DESCENDER

The Edge Auto Descender is a self-rescue equipment by means of which, one or more persons (one after the other) can be lowered at a controlled speed.

Its one of the lightest automatic escape devices in the world.

Technical specification:

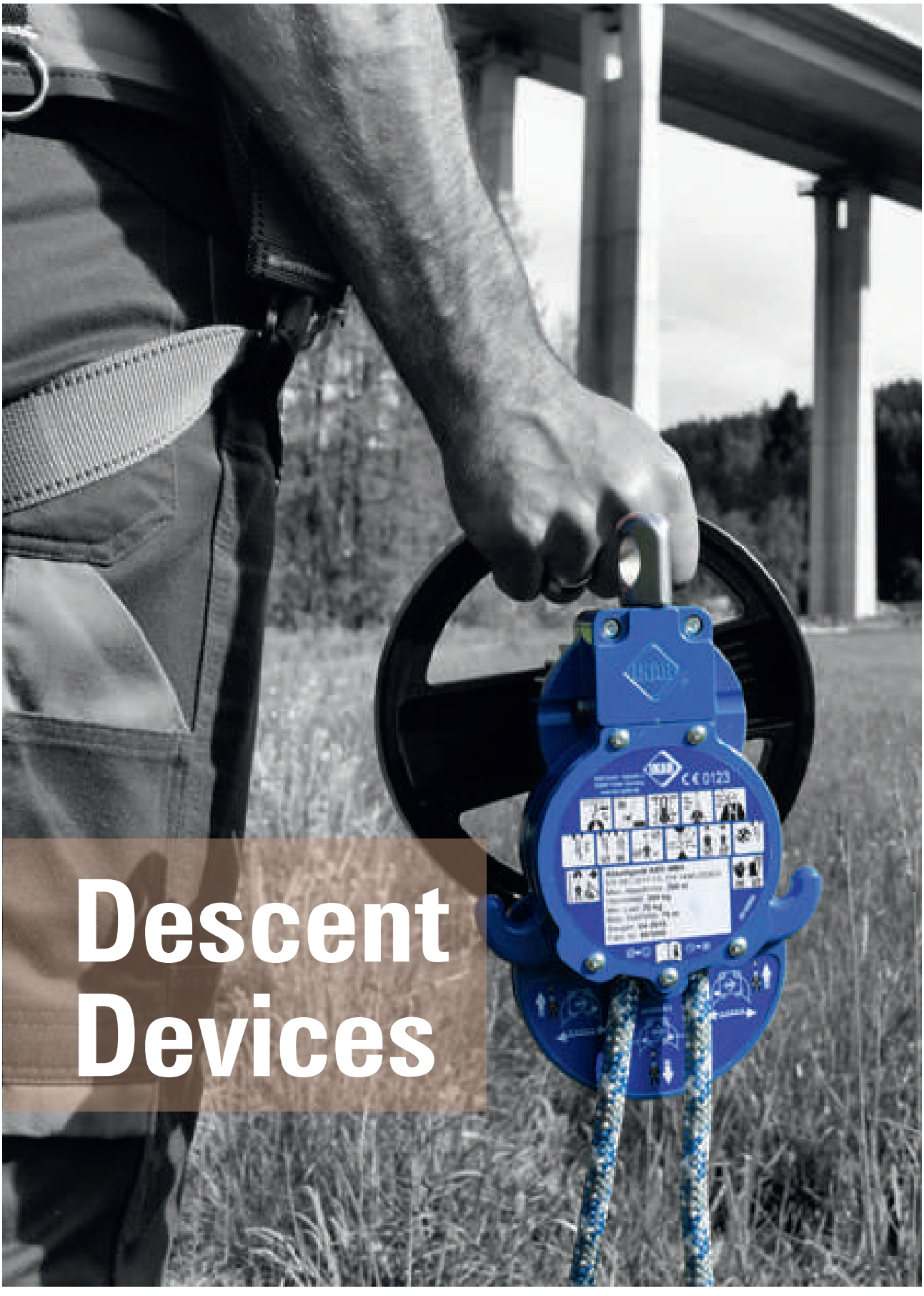
- Ready-to-use evacuation kit
- Automatic self descender, descent speed range: 0.80-1.50m/sec
- Works on 11 mm dia kermental rope
- Available roap length 30m, 50m, 100m.
- Maximum load capacity : 150kg
- Minimum load : 20kg
- Housing : Cast aluminium
- Anchor Eye : Stainless steel
- Equipped with standard karabiner
- Certified to : EN 341 CLASS-A

PSA CRD GERMANY

Compact pocketsize emergency rescue-cum-evacuation device with an automatically-controlled descent speed

Technical specification:

- Suitable for evacuation from - high structures where constant rate of lowering and minimal user input are required
- Pre-assembled - No assembly is required by the user
- Evacuation direction - The user can descend to safety at a constant rate controlled by the device
- Extremely Lightweight
- Lone evacuation - A single person can descend to safety
- Multiple evacuation - Once the first user has safely descended the system can be used by additional users in quick succession
- The PSA CRD is rated for loads up to 225kg
- Maximum working length 100 metres of rope
- EN 341 Class-A



Descent Devices

HAS

according to EN 341:2011/1C

Housing : Aluminium

Lifeline : Galvanized steel rope

The IKAR HAS auto-controlled descent device range is designed for the fall protection of persons working at height, where a third party rescue is not possible or an escape rescue becomes necessary (danger due to fire or explosion).

During normal use, the user can move freely within the working area without having to work against a brake resistance. In case of a fall, the user is safely descended at a controlled speed.

When the fall indicator on the connector is visible, this indicates that the device has been used in a controlled descent and needs to be returned to an IKAR service agent to be serviced.

Descender with Freewheel on the Rope Draw-in

Product features :

- Nominal load 136 kg
- Proof load EN 341 170 kg
- Static proof load 20 kN
- Maximum descent speed 0.5 m/s
- Tested for 1 person
- Aluminium housing
- Steel rope Ø 4.8 mm

Type Order No.	Connecting Device	Housing	Weight	Dimensions (mm)	Carabiner Hook (mm)
42-HAS 9	9.00 m Steelrope	Aluminium	5 kg	455 x 160 x 120	185
42-HAS 18	18.00 m Steelrope	Aluminium	11 kg	580 x 232 x 135	185
42-HAS 30	30.00 m Steelrope	Aluminium	17 kg	610 x 280 x 140	185
42-HAS 9 E	9.00 m Steelrope	Aluminium	5 kg	455 x 160 x 120	185
42-HAS 18 E	18.00 m Steelrope	Aluminium	11 kg	580 x 232 x 135	185

Favorit ABS 3a W

according to EN 341:2011/1A, ANSI/ASSE Z359.4-2013

Housing: Aluminium

Lifeline: IKAR Kernmantle rope Ø 10.5 mm

The controlled descent device ABS 3a W is the result of continual advancement of our well-proven rescue technology. During the descent process, the centrifugal brake keeps the device at a constant speed during the entire descent. With the help of the new deviation point on the device, the descent speed can be regulated.

The ABS 3a W is the ideal device for self-rescue / multiple evacuations or for training measures.

Example application areas for controlled descent devices:

Rescuing passengers of cable cars

Wind turbine generators

At trainings for rescuing measures

Product features :

- Nominal load 140 kg
- Minimum load 50 kg
- Proof load EN 341 175 kg
- Static proof load 20 kN
- 5600 descent metres with nominal load 140 kg
- 15200 descent metres with minimum load 50 kg
- Maximum descent height 200 m
- Maximum descent speed 1.5 m/s
- Tested for 1 person
- Aluminium housing
- Deviation points on the housing of the device
- Swivel with ball-bearing
- Descent rope KMS 105 EN 1896:1998 A

Controlled Descent Device

* Note the required rope length on your order

Type Order No.	Suspension	Weight	Dimensions (mm)	Function
42-ABS 3a W	Swivel	1.2 kg	160 x 90 x 70	Descending

Order no.	Rope Suspension	Weight	Dimensions (mm)	Function
KMS 105-X	Till 20 m *, carabiner on both sides	70 g/m	Ø 10.5 mm	Lowering descending
KMS 105	Additionally per meter	70 g/m	Ø 10.5 mm	Lowering descending

Favorit ABS 3a WH

according to EN 341:2011/1A, EN 1496:2006/A, ANSI/ASSE Z359.4-2013

Housing: Aluminium

Lifeline: IKAR Kernmantle rope Ø 10.5 mm DIN EN 1891

The controlled descent device ABS 3a WH with rescue hoisting facility utilises an integrated lifting facility with switchable reverse lock and is therefore, the ideal device for the third party rescue of persons suspended in their personal fall protection equipment following an arrested fall.

During the descent process, the centrifugal brake keeps the device at a constant speed during the entire descent. With the help of the new deviation point on the device, the descent speed can be regulated.

The switched-on reverse lock acts as a ratchet system, to ensure that during a rescue, the casualty will only travel in an upward direction, therefore there is no danger of the casualty falling.

The ABS 3a WH is the ideal device for self-rescue/multiple evacuations or for training measures.

Example application areas for controlled descent devices:

Wind turbine generators

High bay racking

Overhead pipelines and steel building constructions

At elevated working positions in the industry

Radio, telecommunication towers and poles

Training of rescuing measures

Controlled Descent Device with Hoisting Facility

* Note the required rope length on your order

Product features :

- Nominal load 140 kg
- Lifting nominal load 140 kg
- Lifting performance 75 m
- Proof load EN 341 175 kg
- Proof load 1496 210 kg
- Static proof load 20 kN
- 5600 descent metres with nominal load 140 kg
- 15200 descent metres with minimum load 50 kg
- Maximum descent height 200 m
- Maximum descent speed 1.5 m/s
- Tested for 1 person
- Aluminium housing
- Switchable reverse lock
- Deviating points at the housing of the device
- Swivel with ball-bearing
- Lowering rope KMS 105 EN 1896:1998 A

Type Order No.	Suspension	Weight	Dimensions (mm)	Function
42-ABS 3a WH	Swivel	1.9 kg	200 x 200 x 120	Hoisting Device

Order no.	Rope Suspension	Weight	Dimensions (mm)	Function
KMS 105-X	Till 20 m *, carabiner on both sides	70 g/m	Ø 10.5 mm	Lowering descending
KMS 105	Additionally per meter	70 g/m	Ø 10.5 mm	Lowering descending

Bison ABS 4 W

according to EN 341:2011/1A, ANSI/ASSE Z359.4-2013

Housing: Aluminium

Lifeline: IKAR Kernmantle rope Ø 10.5 mm EN 1891

The controlled descent device ABS 4 W is a revolutionary advancement on the ABS 3a WH. Developed for the rescue of 2 persons simultaneously. The double brake system removes the force on the brakes and minimizes the abrasion on the rope.

During the descent process, the centrifugal brake keeps the device at a constant speed during the entire descent. With the help of the new deviation point on the device, the descent speed can be regulated.

The ABS 4 is the ideal device for the self-rescue of 2 persons / multiple evacuations or for training measures.

Controlled Descent Device

Application areas for abseiling devices (examples):

Rescuing passengers from cable cars

Wind turbine generators

Training of rescuing measures

Product features :

- Nominal load 200 kg
- Minimum load 70 kg
- Nominal load ANSI/ASSE 282 kg
- Minimum load ANSI/ASSE 59 kg
- Proof load EN 341 250 kg
- Proof load 1496 300 kg
- Static proof load 20 kN
- 3800 descent metres with nominal load 200 kg
- 11000 descent metres with minimum load 70 kg
- Maximum descent height 200 m
- Maximum descent speed 1.5 m/s
- Tested for 2 persons
- Aluminium housing
- Deviating points at the housing of the device
- Swivel with ball-bearing
- Lowering rope KMS 105 EN 1896:1998 A

* Note the required rope length on your order

Type Order No.	Suspension	Weight	Dimensions (mm)	Function
42-ABS 4 W	Swivel	1.7 kg	250 x 97 x 79	Descending

Order no.	Rope Suspension	Weight	Dimensions (mm)	Function
KMS 105-X	Till 20 m *, carabiner on both sides	70 g/m	Ø 10.5 mm	Lowering descending
KMS 105	Additionally per meter	70 g/m	Ø 10.5 mm	Lowering descending

Bison ABS 4 WH

according to EN 341:2011/1A, EN 1496:2006/A, ANSI/ASSE Z359.4-2013

Housing: Aluminium

Lifeline: IKAR Kernmantle rope Ø 10.5 mm EN 1891 A

Controlled Descent Device with Hoisting Facility

The controlled descent device ABS 4 WH is a revolutionary advancement on the ABS 3a WH. Developed for the rescue of 2 persons simultaneously. The double brake system removes the force on the brakes and minimizes the abrasion on the rope.

During the descent process, the centrifugal brake keeps the device at a constant speed during the entire descent. With the help of the new deviation point on the device, the descent speed can be regulated.

The switched-on reverse lock acts as a ratchet system, to ensure that during a rescue, the casualty will only travel in an upward direction, therefore there is no danger of the casualty falling.

The ABS 4 is the ideal device for the selfrescue of 2 persons / multiple evacuations or for training measures.

Application areas for abseiling devices (examples):

Wind turbine generators

High bay racking

Overhead pipelines and steel building constructions

At elevated working positions in the industry

Radio, telecommunication towers and poles

Training of rescuing measures

Product features :

- Nominal load EN 200 kg
- Lifting nominal load EN 200 kg
- Nominal load ANSI/ASSE 282 kg
- Lifting nominal load ANSI/ASSE 282 kg
- Lifting performance 75 m
- Proof load EN 341 250 kg
- Proof load 1496 300 kg
- Static proof load 20 kN
- 3800 descent metres with nominal load 200 kg
- 11000 descent metres with minimum load 70 kg
- Maximum descent height 200 m
- Maximum descent speed 1.5 m/s
- Tested for 2 persons
- Aluminium housing
- Reversible reverse lock
- Deviating points at the housing of the device with rope guide channel
- Swivel with ball-bearing
- Lowering rope KMS 105 EN 1896

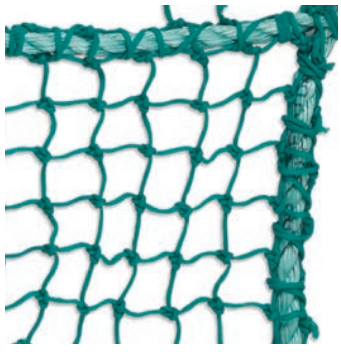
* Note the required rope length on your order

Type Order No.	Suspension	Weight	Dimensions (mm)	Function
42-ABS 4 WH	Swivel	3.2 kg	250 x 200 x 128	Hoisting Device

Order no.	Rope Suspension	Weight	Dimensions (mm)	Function
KMS 105-X	Till 20 m *, carabiner on both sides	70 g/m	Ø 10.5 mm	Lowering descending
KMS 105	Additionally per meter	70 g/m	Ø 10.5 mm	Lowering descending

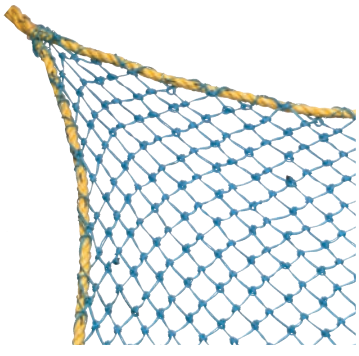
SAFETY NET

SN 001



Braided safety net

- Mesh size : 30 mm X 30 mm
- Mesh rope : 2.5 mm dia single braided rope
- Overlaping layer with monofilament or shednet (Optional)
- Border rope : 12 mm dia PP rope
- Tie rope : 12 mm dia PP rope of 1 metres length at every 1.5 metre interval
- ISI marked polypropylene rope conforming to IS: 5175 of 1992



SN-002

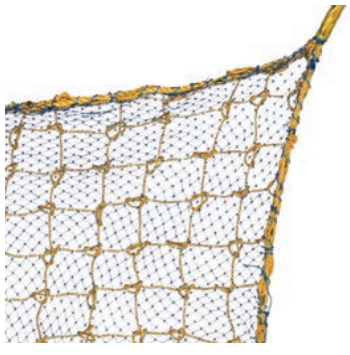
2 mm double cord safety net

- Mesh size : 30 mm X 30 mm
- Mesh rope : 2 mm dia double cord
- Border rope : 12 mm dia PP rope
- Tie rope : 12 mm dia PP rope of 1 metres length at every 1.5 metre interval
- ISI marked polypropylene rope conforming to IS: 5175 of 1992

SN-003

Overlay safety net

- Mesh size : 100 mm x 100 mm
- Mesh rope 4 mm dia PP rope
- Border rope : 12 mm dia PP rope
- Overlay net : Containment net of 1 mm dia twin, mesh size 15-22 mm
- Tie rope : 12 mm dia PP rope of 1 metres length at every 1.5 metre interval
- Also available with 75 x 75 mm mesh size.
- ISI marked polypropylene rope conforming to IS: 5175 of 1992



RESCUE STRETCHER

Special Feature :

- Made of special grade plastic, flexible & durable.
- Useful for confined space, traditional land based and high critical rescue operations.
- Can be used both horizontally & vertically in extreme temperature of -49^{0} C
- EN ISO 1348:2003
- Flat size : 240 cm x 95 cm.
- Rounded size : 90 cm with diameter 20 cm.
- CE Certified.

EDGE LINE SAFETY NET FAN SYSTEM

EdgeLine Safety Fan system is a modular net system for the exterior of site buildings where debris protection is required. It is constructed to be efficiently assembled on the ground/working floor and raised into position.

For maintenance work, such as cleaning or for building side access the installed fans can be easily folded inward in seconds.

The Safety Fan can also be installed without a crane.

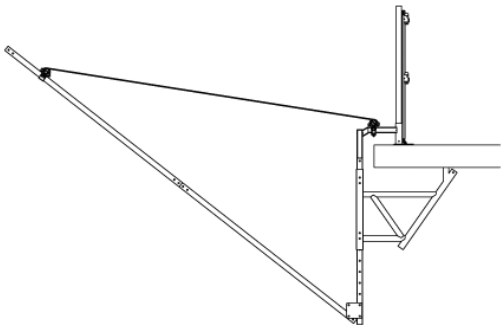
- Available in two widths:
  6 m x 3m & 4 m x 3 m
- Safety Net is 3 layer

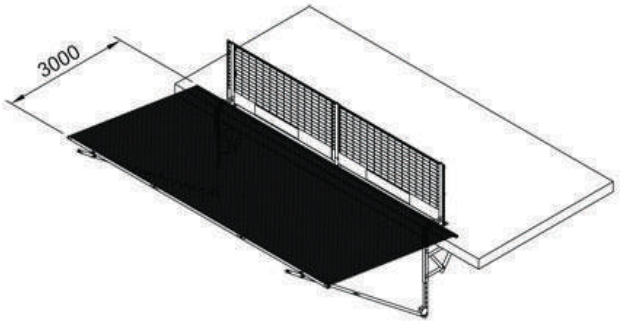
High Tenacity Polypropylene Braided Net

- First Layer- M100x100mm – 5mm dia
- Second Layer- M25x25mm – 2.3mm dia
- Third Layer - 80gr/m2 Debris Net
- Dimension: 4 m x 3 m
- Weight:125 kg approx
- Overlap: at least 0.75 m at the narrowest point

SAFETY FAN SLAB

Installed on the slab with the possibility of being directly integrated with our standard edge protection system





SAFETY FAN SCAFFOLDING

Can be mounted onto most common scaffoldings.

- OUR SERVICES - HEIGHT SAFETY SPECIALISTS

  UDYOGI administers a comprehensive approach to projects for our clients using our range of height safety services. Our dedicated team of height safety specialists' custom design safe, cost effective solutions based on individual project requirements.

- BUILDING & WORKPLACE HEIGHT SAFETY ASSESSMENTS

  Udyogi undertakes a full audit of your building's access and fall protection requirements. Our reports are detailed and offer recommendations for upgrades to meet compliance requirements. We assist with design criteria formulation, scope of works development and recommend appropriate systems and layouts. We can assist with project management solutions for upgrading roof access systems on multiple buildings.

- SYSTEM DESIGN & COST ANALYSIS

  Udyogi offers design services for architects, building designers and project managers incorporating recommendations for componentry selection and system layout to suit the specific building profile, specification data and indicative costing estimates.

- SUPPLY INSTALLATION & CERTIFICATION

  Udyogi's product delivery is performed in a timely manner. We offer installation by an experienced and professional team of personnel. All Udyogi installers are competent on safe working at heights procedures and respectful of the client's onsite environment and workplace safety requirements. All complete systems installed are certified to codes of practice and global standards.

- TECHNICAL SUPPORT

  Udyogi's service does not end with the installation of your system. Our safety professionals provide extensive long-term system support ensuring all aspects of your fall-protection program and changing access needs are comprehensively met.

- PERIODIC SYSTEM RE CERTIFICATION

  Udyogi has a dedicated re certification team ensuring that your systems are continuously maintained and certified to meet all regulatory and compliance requirements. We load and proof test systems, check seals integrity, fixings, fittings and Height safety gear. We update all system service tags and provide inspection and re certification reports including "as built" system layout plans.

PERMANENT FALL ARREST SOLUTIONS

HEIGHT SAFETY RANGE

- Anchor point systems
- Horizontal static line systems
- Overhead rail fall arrest systems
- Access ladders
- Walkways & guardrails
- Step ladders & stairways

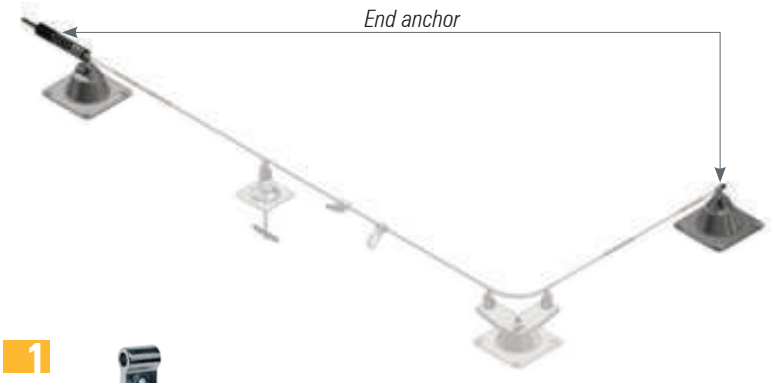
SERVICE OFFERING

- System design & cost analysis
- Supply, installation & certification
- Building and workplace height safety assessments
- Technical support
- Corporate height safety upgrade programs
- System user induction
- Periodic system recertification

SECUROPE Horizontal/Inclined EN 795-C 2012

END ANCHOR

Horizontal lifeline on ground



1

- End anchor for wall/ceiling/ ground application SS316:

1.A

LDV002 / LDV003

- Configuration with one energy absorber for rigid structures

1.B

LDV002 / LDV032

- Configuration with one energy absorber and dilatation device for fragile structures

2

- End anchors for horizontal lifeline between two walls or ceiling mounting SS316:

2.A

LDV054

- End anchor with crimping ring

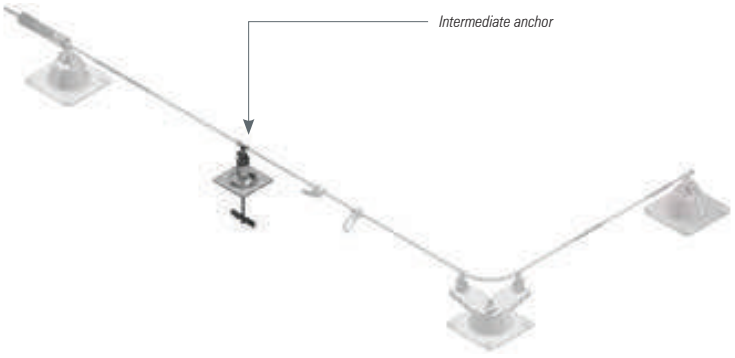
2.B

LDV053

- End anchor including energy absorber and turnbuckle

INTERMEDIATE ANCHOR

Horizontal lifeline on ground



1

- Intermediate anchors SS316 with energy absorbing device for wall/ ceiling/ground application

LDV004

LDV043- NEO anchor

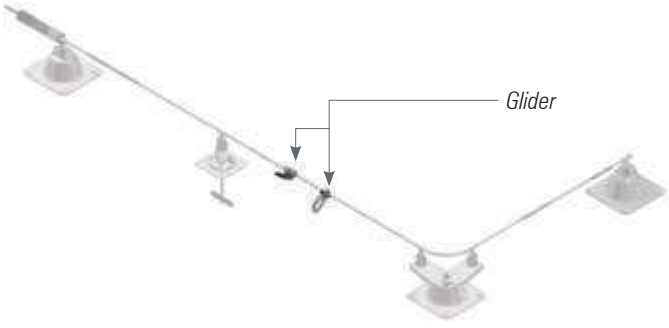
2

- EVO Intermediate anchor SS316 for fixing assemblies on posts or rigid structures

LDV083 - EVO anchor

GLIDERS

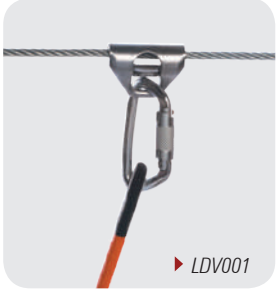
1 Horizontal lifeline on ground



1.A

- Trolley on bearings SS304 for wall or ceiling configuration to suspend safety block

1.B

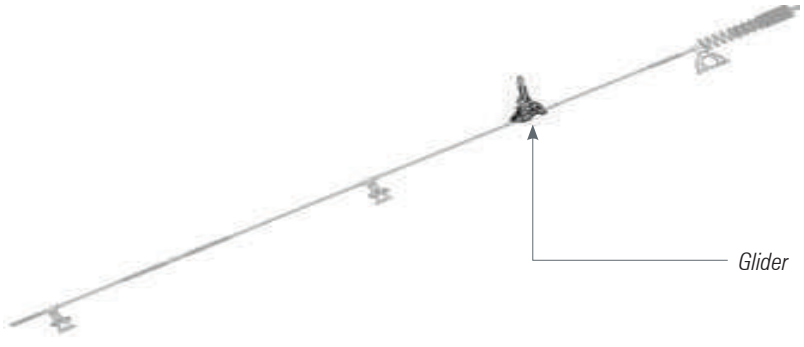


- Glider SS431 with steel carabiner for ground and wall configuration

1.C

- Captive Glider SS316 with steel carabiner for ceiling or ground configuration

2 Inclined lifeline on ground



2.A

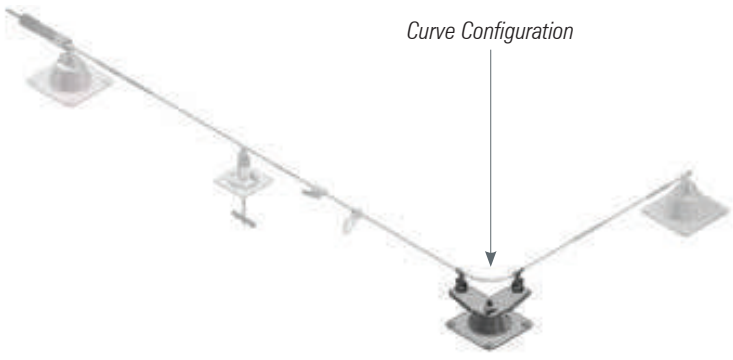
- Fall arrest Zip! SS431 On inclined line 30°- 90°

2.B

- Bidirectional glider SS431 will brake in both directions, hence ideal for use on lifeline with various slopes between 0-180° without disconnection. NOT for vertical configuration

CURVE CONFIGURATION AND SWITCH

Horizontal lifeline on ground



1 CURVE CONFIGURATIONS

1.A

IDF002 / IDF003 / LDV083 (x2) / LDV076 / LDV006

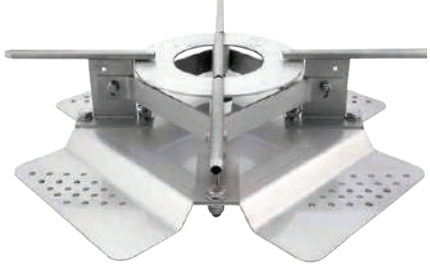
- Curve configuration with EVO intermediate anchors on post. Anchor SS316; Post hot dip galvanized steel or SS304

1.B

LDV119 / LDV071 / LDV076 / LDV043 (x2) / LDV006

- Curve configuration with NEO intermediate anchors on Multipost. SS304 and SS316

2 SWITCH

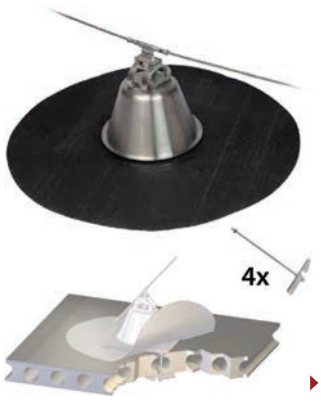


LDV050

- Four way switch for intersection of SecuRope lifelines SS304. Switch with 3 branches is also available

FIXING ASSEMBLY EN795

1



LDV116 / LDV004 / LDV006 / LDV022

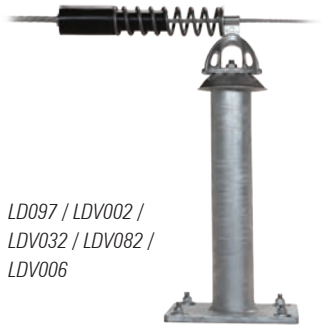
- Multipost SS304 fiited with bituminous collar, or PVC, or EPDM collar and a set of 4 toggle bolts in zinc coated steel

2

LDV020 / LDV004 / LDV032 / LDV006 / V-S5-E

- Fixing assembly for intermediate anchor mounted on standing seam roof type "E" SS304

3



LD097 / LDV002 / LDV032 / LDV082 / LDV006

- SecuRope end anchor mounted on hot dip galvanized steel post or SS304 post for fixing on concrete slab

4

LDV092

- SpotAnchor SS304 fitted with PVC or EPDM collar and one toggle bolt made of zinc coated steel to fix intermediate anchors on Hot deck roof

5

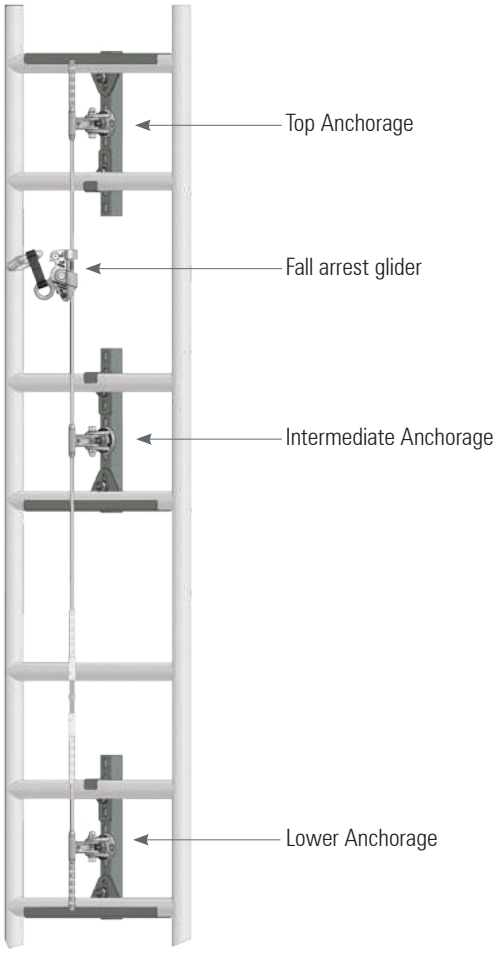
LDV036 / LDV004

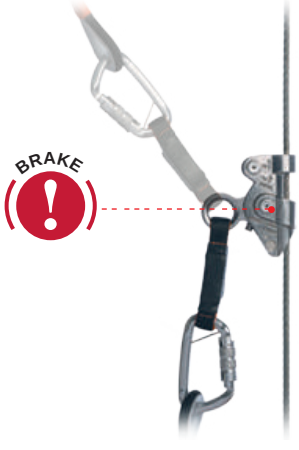
- Fixing assembly SS304 of intermediate anchor for composite panels (sandwich roof)

SECUROPE Vertical EN 353-1

FALL ARREST GLIDERS

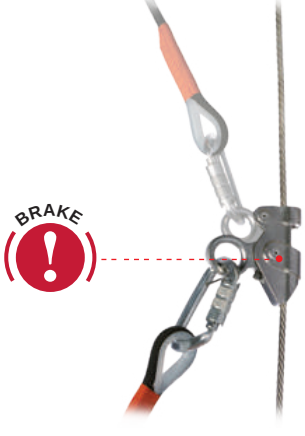
- The components for SecuRope vertical, like top, intermediate, lower anchorages, cable, turnbuckle are the same as SecuRope horizontal/inclined. Energy absorber, brackets, clamps and fallarrest glider are specific to this vertical system
- Vertical lifeline on ladder without energy absorber on the line but on glider





- ZIP! Fallarrest glider SS431 without energy absorber for vertical SecuRope with an absorber mounted on the top anchorage

▸ *NSV010*



- ZIP! Fallarrest glider SS431 fitted with energy absorber for vertical SecuRope without absorber mounted on the top anchorage

▸ *NSV009*

SECURAIL Horizontal EN795 CLASS D

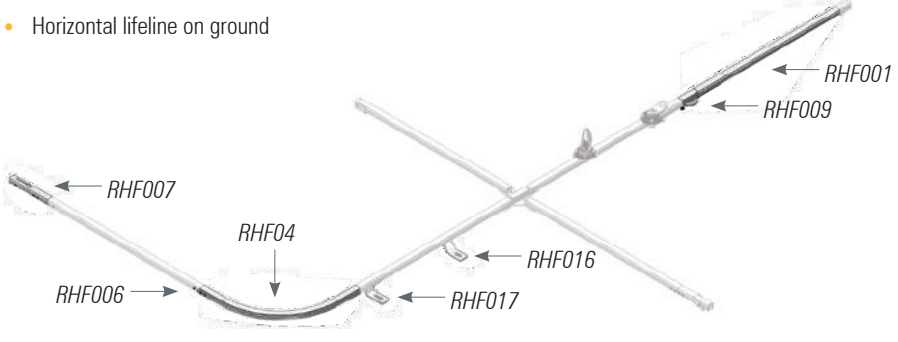
COMPONENTS

1

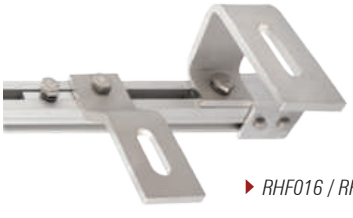
RHF001/ RHF004

- SecuRail alu 6060T6 anodised. Section can be straight or can be curved and the bending depends on the configuration (ground, wall or ceiling). The SecuRail can be reinforced by a cross section profile

- Horizontal lifeline on ground



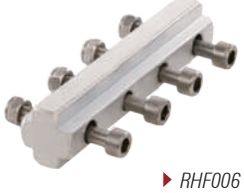
2



RHF016 / RHF017

- Fixing assembly on wall, ground and ceiling SS304 including cross nut alu with washer

3



RHF006

- Junction alu 6060T6 with nylstop nut to join two sections of rail

4

RHF009

- Entry exit section alu 6060T6 anodised

5

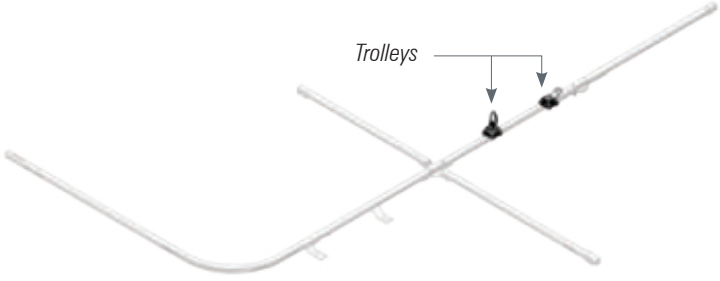
RHF007

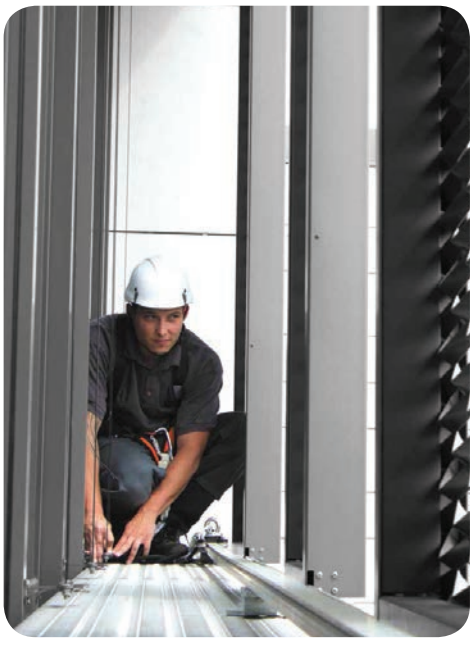
- Tilting end stop alu 6060T6 anodised

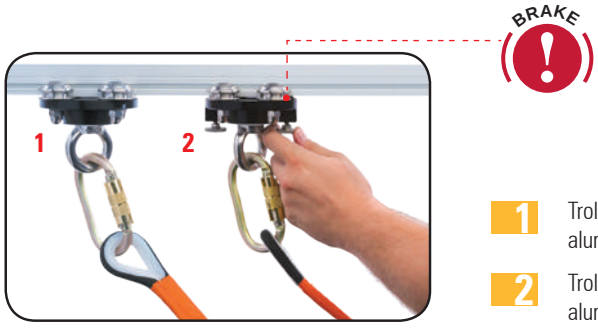
SECURAIL Horizontal EN795 CLASS D

TROLLEYS

- Horizontal lifeline on ground



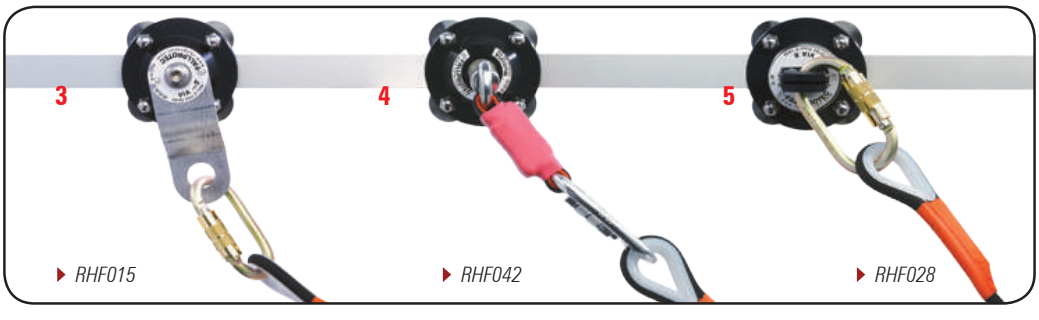




RHF012 RHF040

1 Trolley VIA2 for ceiling configuration. Made of aluminium, SS304 and bush bearing. 1 per user

2 Trolley VIA7 with manual break. Made of aluminium, SS304 and bush bearing. 1 per user

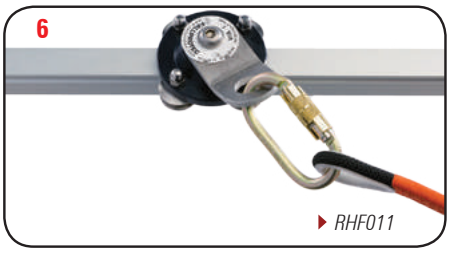


RHF015 RHF042 RHF028

3 Trolley VIA5 for wall configuration. Made of aluminium, SS304 and bush bearing. 1 per user

4 Trolley MULTIVIA with shock absorber. Made of aluminium, SS304 and bush bearing. 1 per user

5 Opening Trolley VIA6. Made of aluminium, SS304 and bush bearing. 1 per user

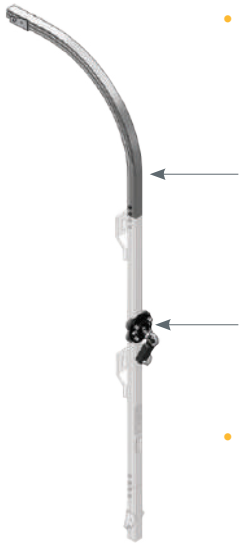


RHF011

6 Trolley VIA1 for ground configuration. Made of aluminium, SS304 and bush bearing. 1 per user

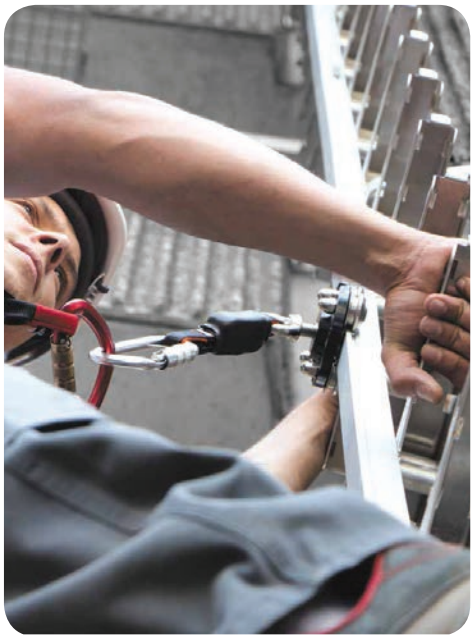
SECURAIL VERTICAL EN353-1

COMPONENTS



- Vertical lifeline on wall

- The components for SecuRail vertical lifeline, like nuts, junctions and end stops are the same as SecuRail horizontal.The trolley, Fixing assemblies, Brackets and other accessories are specific to this vertical system



1

- Fallarrest trolley VIA 4 with energy absorber and carabiner for vertical configuration on SecuRail ladder or SafeLadder. SecuRail ladder fitted with fold away rungs SS304

▸ *RHF014 / RHF030*

2

- Outer curve for ladder exit alu 6060T6 anodised. Bending 90°

▸ *RHF051*

3

- Extension for roof access alu 6060T6 anodised

▸ *RHF036*

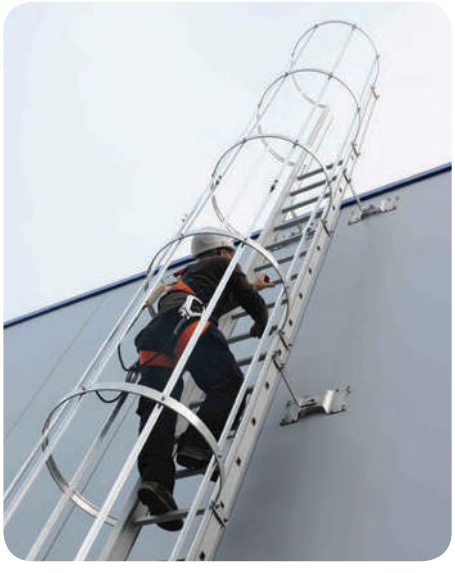
4

- SecuRail fitted with bolted rungs SS304

▸ *RHF025*

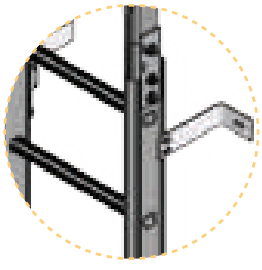
SAFELADDER EN353-1

COMPONENTS AND ACCESSORIES



1 Safety hoops for dorsal protection alu 6060T6 anodised

▸ *SAL027*
(Picture on the left)

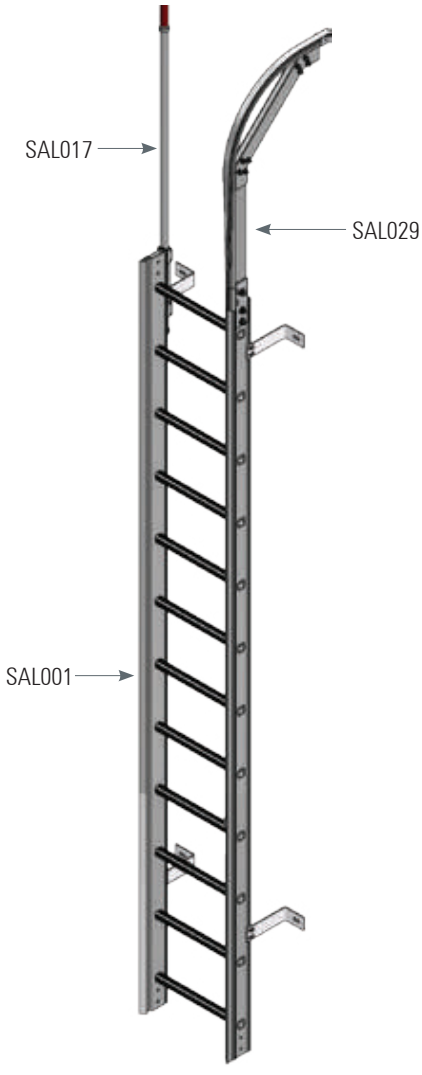


2 ▸ SafeLadder with telescopic stick alu 6060T6

SAL017

3 SafeLadder alu 6060T6 with trolley VIA 4

▸ *SAL001 / RHF014*



▸ *SAL029*

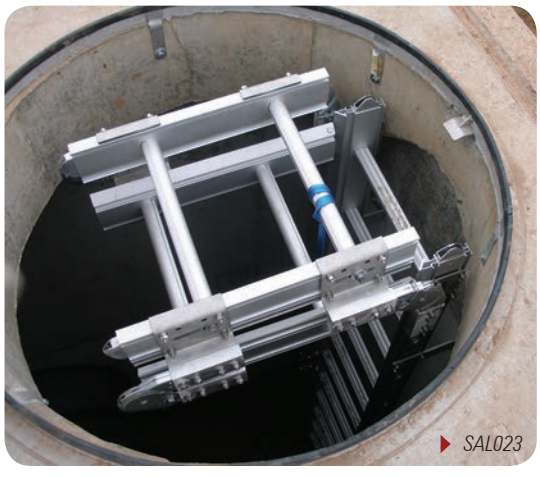
4 SafeLadder with roof access section with a 90° curve alu 6060T6

COMPONENTS AND ACCESSORIES

1

Platform over parapet
alu 6060T6 anodised

▸ *SAL026*
(Picture on the left)



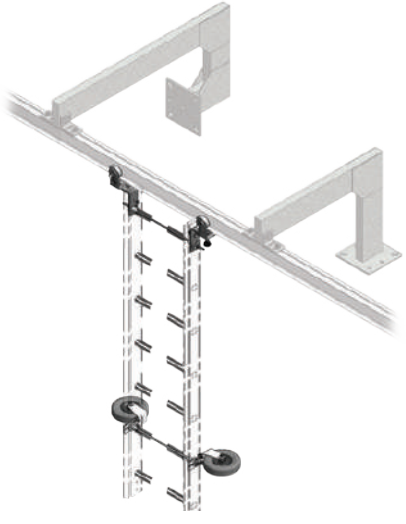
▸ *SAL023*

2 Fold up sections for access into a well alu 6060T6 anodised

3

Telescopic Section.
Complete with mounting brackets and fixed section
alu 6060T6 anodised

▸ *SAL028*



4 SafeLadder with suspended trolley on SafeAccess rail alu 6060T6 anodised

▸ *MHS024*

ANCHOR POINTS EN795 CLASS A1

LDV025

1 Anchor point provided with integrated energy absorber device SS316. Breaking strenght >25 kN

PTA016

2 Twinfix Anchor SS316 permanently installedwith 2 bolts. Breaking strenght >50 kN

LDV029

3 Anchor point, large opening, to be fixed onwall. SS304 in yellow gloss.The anchor is mobile on its axis. Breaking strenght >35 kN

LDV055

4 Flush mounted safe anchor point SS316 for bedding in concrete surfaces. Breaking strenght >25 kN

LDV057

5 Twinfix Anchor SS316 permanently installedwith 2 bolts. Breaking strenght >50 kN

LDV074

6 Flush mounted safe anchor point SS316 for bedding in concrete surfaces. Breaking strenght >25 kN

1 Spotanchor SS304 fitted with bituminous or PVC collar with Toggle bolt included. It can be served with collar or without collar and permanently installed on a roof

▸ *LDV052*

▸ *PTA001 / PTA002 / PTA003*

2 Mobile anchor point steel. For overhead crane rails, window cleaning machine rails and steel structures made with "H" profiles. It consists of 3 parts: a trolley, a pair of holder and a pair of clamps. These clamps can be opened and installed anywhere along the rail or profile. The clamps and their holders together may be used to form a fix anchor point

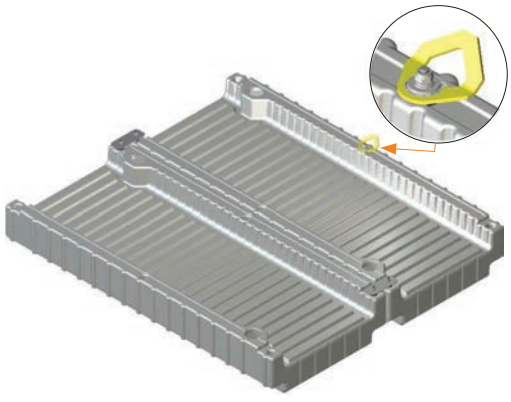
3 Swivelling anchor point with bolt of 2 different lengths, 18 or 150 mm

▸ *PTA014 / PTA015*

SKY WALK EN795 CLASS E

1 SkyWalk, Moorings Anchor class E. 2 modules with a yellow anchor eye LDV029. It can be installed temporarily or permanently. Modules are also available for different layout configurations on the roof.

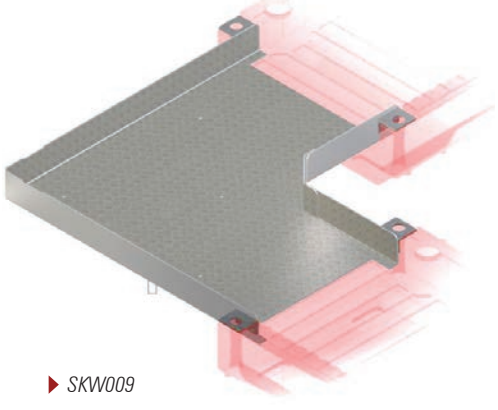
The SkyWalk is a deadweight anchor on a roof that consists of a polyethylene shell filled with a ballast. The stability of the equipment is ensured by the self weight of the SkyWalk and the friction with bituminous membrane. The SkyWalk is used as a walk way, which is anti slip and drained and protects people against fall from height



▸ *SKW007 / SKW003 / SKW008*

▸ *SKW001*

2 SkyWalk platform fully equiped including SecuRail. This assembly conforms the EN 795 Class D



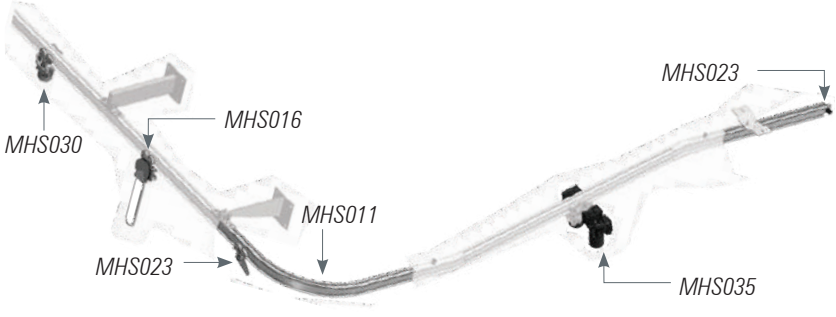
▸ *SKW009*

3 Angle element for SkyWalk platform

SAFE ACCESS EN795 CLASS D/EN 1808

1 Outer or inner curve 90°

MHS011



2 NAV 4 Horizontal motorised trolley

MHS030

3 SafeAccess rail alu 6060T6 with end stop with rubber. The rail can be reinforced by hollow section profile

MHS010 / MHS017

4 NAV 5- Motorised climbing trolley

MHS035

5 NAV 1 Trolley manually operated by rope and pulley

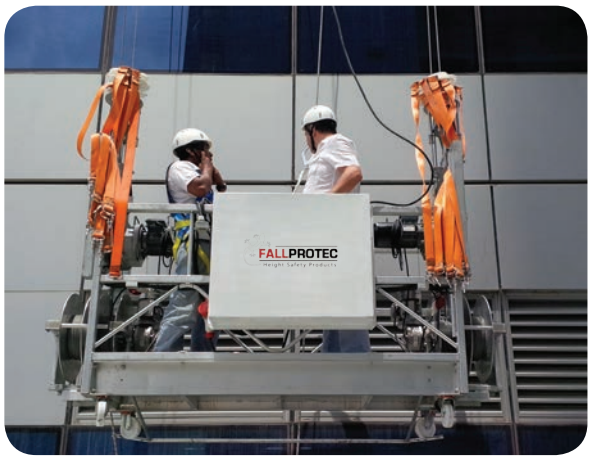
MHS016

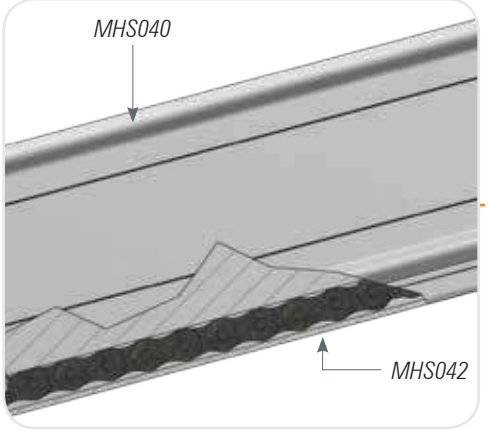
6 NAV 2 Mobile anchor point on SafeAccess rail

MHS023

SAFE ACCESS Inclined EN 1808

1 Powered cradle alu fully equipped. The monorail SafeAccess and the cradle form a building maintenance unit. This cradle is equipped with rollers rolling on the façade. The lifting motion is provided by two hoists equipped with motor having a brake closing due to lack of power. In case of failure of a hoist, a fall arrest system stops the cradle, this device acts on a safety cable. Maneuvering of the cradle is from an electrical control box including all relays and limit switches





- Climbing SafeAccess rail

- Climbing SafeAccess rail alu 6060T6 with chain

▸ *MHS040 / MHS042*

ROPE CLIMBER EN 1808

RopeClimber®

WORLD PREMIERE OF THE FIRST MULTIPURPOSE TRACTION HOIST TO BE USED WITH TEXTILE ROPES

The RopeClimber is the ideal battery operated hoist enabling safe and ergonomic use for a wide range of operations:

- Abseiling
- Rescue
- Suspended access (EN 1808)
- Temporary lifting installations (material and man riding)
- Permanent lifting installation (material and man riding)

Main features:

- Capacity 300 kg
- Variable speed
- Lightweight and compact
- Up to 1000 m vertical operation with one battery cycle
- Tested in accordance with EN1808: 30.000 cycles without break down, rope lifespan 1500 cycles, safety features, limit switches, overload device and emergency stop

Notes

Notes

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