

CERVA

FALL PROTECTION

WWW.CERVA.COM

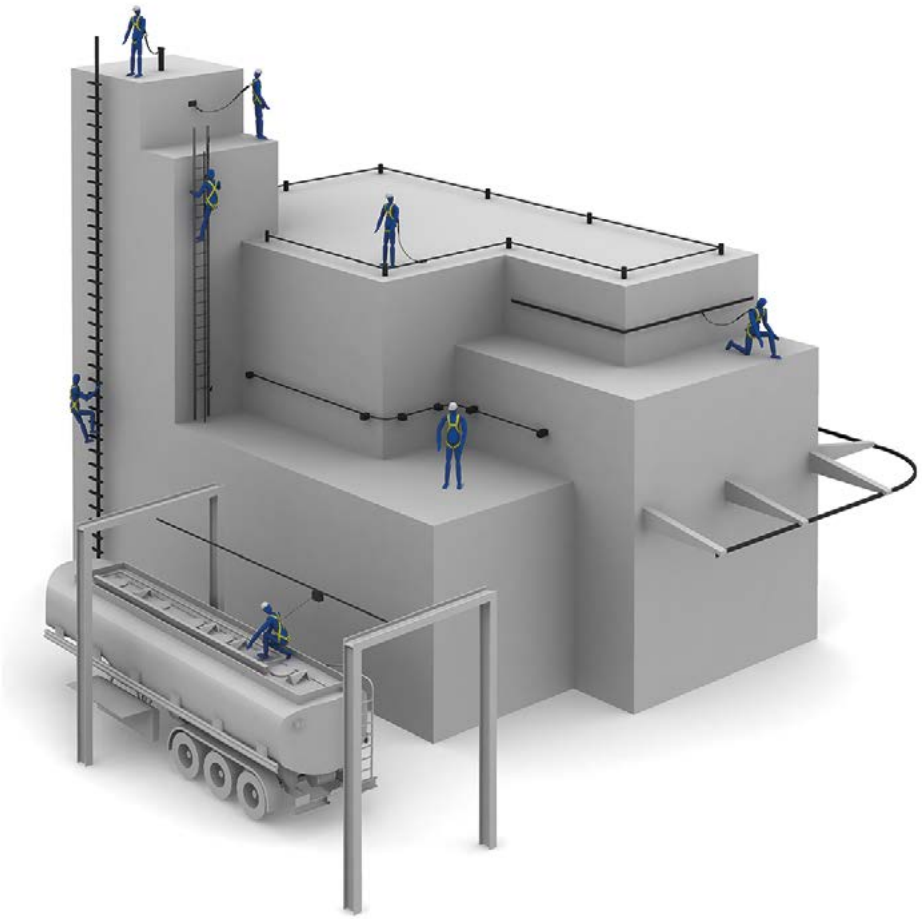


Dear customers,
You are holding a catalogue of protective work equipment focused on work at heights, in narrow spaces or above water surfaces. It is just a small part of equipment that exists. Its correct selection and combination depend on the risks associated with the given job. We can propose the right combination of personal protection equipment right on-site and provide the related services at the same time. Gravity affects all of us. Human response time to an unexpected event is approximately 2 seconds. During this time, you can drop 19.6 m by free fall and reach a speed of 71 km/h.

FALL PROTECTION

COLLECTIVE FALL PROTECTION

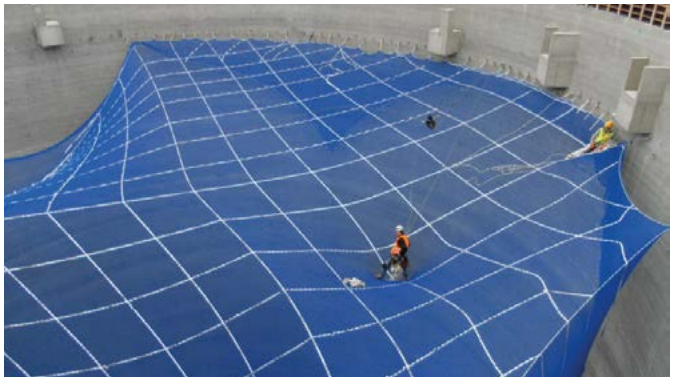
We offer designing, installation, maintenance and inspection of fixed fall protection systems. These include systems installed on buildings or structures that serve as anchoring means for maintenance or activities performed at heights. These systems are always designed for a specific situation and are permanent at the installation site.
If you are interested, please contact our sales representatives. A technician responsible for the design will arrive on site and work with you to design the best solution for safe work. The systems are certified according to EN795 and EN353-1.





We offer sales, rental and installation of safety nets. Nets are the optimal solution in places where other fall protection methods are ineffective do to complex installation and coverage of only a small area needed for work. We supply and install nets according to EN1263-1. If you are interested, please contact our sales representatives.





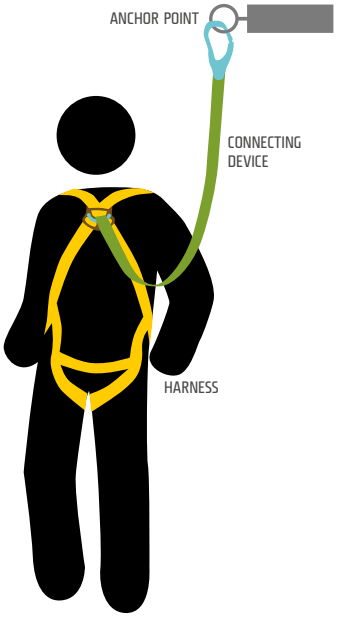
WHEN YOU NEED FALL PROTECTION

In work positions and on access roads located higher than 1.5 m above the surrounding level or next to free depth exceeding 1.5 m.

In all other work positions and access roads located at any height above the water or above substances posing a risk of injury or death in case of fall, e.g. by burning, acute poisoning and suffocation.

BASICS OF WORKING AT HEIGHTS:

The basic components of fall protection are described by the ABC system. Simply put, a system lacking one part does not work.



A – Anchor point / anchoring equipment
(certified system element, or part of a structure with sufficient load-bearing capacity in the fall direction – beam, scaffolding, etc.)
It is used to connect a connecting element (e.g. fall arrester, restraint system) to an anchor point (section beam, scaffolding, or other structural point). Anchor points are usually marked with a distinctive colour (yellow). Do not use uncertified anchor points. **Do not use points with unknown or questionable load-bearing capacity for anchoring!**
Anchoring equipment is divided into two types:
- permanent anchoring (horizontal cable guides, horizontal rail systems...)
- temporary anchoring equipment (load-bearing anchors, steel beams, scaffolding eyes, portable strap systems...)

B – Body harness
Used to arrest a worker during and after a fall.
- a full-body harness is used in places with a risk of falling
- a positioning belt is used to prevent entry into areas with a risk of falling and cannot replace a harness

C – Connecting devices (rope with a shock absorber, self-retracting device, or positioning means)
They are used as a link between the worker's harness and an anchoring device
(e.g. shock absorber with a rope, retractable fall arrester...).

Connecting devices can be of two types:
- restraint system: a restraint system that eliminates the risk of falling; it keeps the worker away from the danger zone with a risk of falling, it has a preventive effect
- fall arrester: restraint system limiting the consequences of the fall itself. It includes shock absorption

An important aspect of the entire fall protection system is having an evacuation and rescue plan. Every worker and persons responsible for working at heights must be familiar with this plan.

Observe the principles of safe use of fall protection equipment and working at heights. Before each use of fall protection devices, check the service life and validity of the inspection in the record sheet of each component.

None of the listed parts may be damaged or show signs of deformation or corrosion.

Harnesses:
- load-bearing straps on the harness must not show signs of cuts, abrasion, burns, tears, traces of chemicals and must not be marked (if the manufacturer allows it, the type of marker is indicated in the instructions for use)
- seams must not show signs of abrasion, tearing, loops must not be loose
- anchor points must not show signs of deformation, corrosion, must not have weak points, must be free of cracks
- clamps must not be deformed, must not show signs of corrosion, must not have cracks, must not show malfunctions
- padding must be checked for attachment to the load-bearing straps, the seams must not be damaged

Connecting devices:
- ropes and their braid must not have frayed fibres, show signs of abrasion, tearing, chemicals, burns, bumps, stiff areas, ends must not have damaged seams, protective elements must be intact,kNots must not show signs of damage
- moving fall arresters must not show corrosion, deformation, cracks and must be checked for correct functioning
- carabiners and hooks must not show cracks, scratches, wear, deformation, corrosion on the body, gate, locker; check the carabiner gate for correct automatic closing
- the shock absorber must not have a damaged packaging, it must not show damage to the straps, seams, the connecting loops must not be abraded
- rappelling brakes, positioning means must not show deformation, scratches, cracks, corrosion, abrasion of loops and functional parts; check the condition of rivets and the functionality of the device
- blockers and rope clamps must not show deformation; check the condition of the cam (no points must be missing or worn), corrosion, cracks, functionality of the lock and cam
- self-retracting fall arresters: make sure there are no cracks, deformation on the body, check the functionality of the device and the locking brake

Anchor points:
- anchor points must be properly marked and subject to annual inspection. Do not use anchor points with elements whose load-bearing capacity and strength you are unsure of.

When using fall protection means, follow the manufacturer's instructions for use.

Each of these devices shall be subject to regular revision every 12 months from the first use. The service life of these products is specified by the manufacturer in the instructions for use.

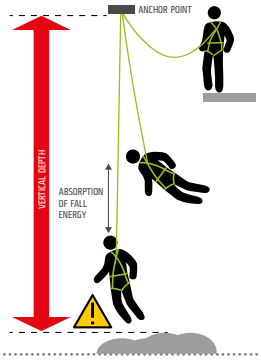
CALCULATION OF THE FALL DEPTH

The fall depth is the distance a person travels by the length of the fall when attached to an attachment point of a restraint system. It is related to the fall factor. Therefore, it is important to choose a combination of means that ensures a sufficient and safe distance from the ground (obstacle). To calculate this distance, it is necessary tokNow the lengths of means used in the extended state.

The minimum vertical distance between the anchor point and the obstacle.

Length of the connecting device (rope) + fully extended shock absorber + body height from feet to the anchor point (attachment) + additional safe distance

EXAMPLE:



CALCULATION USING THE FOLLOWING LENGTHS OF CONNECTING DEVICES:

Connecting device with a length of 2 m:
2 m connecting device + 1.2 m length of an extended shock absorber
+ 2 m body height + 1 m safe distance = 6.2 m

Connecting device with a length of 1,5 m:
1.5 m connecting device + 1.5 m length of an extended shock absorber
+ 2 m body height + 1 m safe distance = 6 m

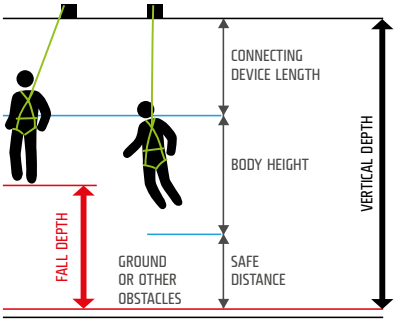
Note: The length of an extended shock absorber may vary from manufacturer to manufacturer. Read the instructions for use.

FALL FACTOR:

There are three fall factors related to the position of the anchor point. The ideal case during work is to have the anchor point at shoulder level or above the worker's head (factor 1, 0). In this case, the risk of injury due to a fall by impact forces is reduced. This condition cannot always be met. There are work situations where the anchor point is at the feet level (factor 2). An anchor point under the level of the worker's feet significantly increases the possibility of fatal consequences of a fall injury without the use of a shock absorber.

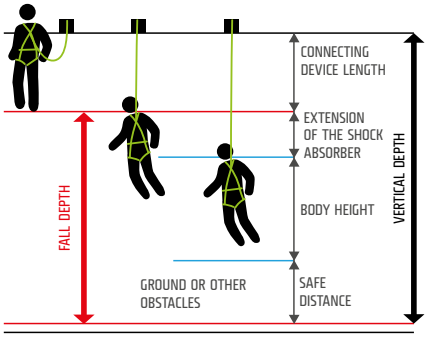
FALL FACTOR 0:

The anchor point is above the worker's head and the connecting device is tensioned.



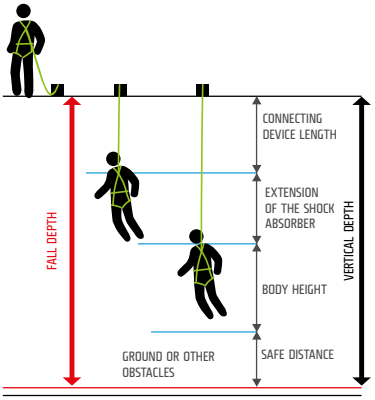
FALL FACTOR 1:

The anchor point is at chest level, the connecting device is not tensioned. In the event of a fall, the connecting device is tensioned and the shock absorber extends to mitigate the fall shock.



FALL FACTOR 2:

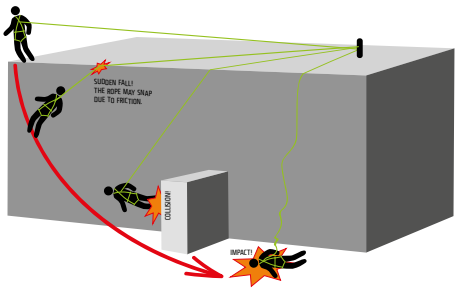
The anchor point is at feet level, which in the case of fall length is equal to twice the length of the connecting device (rope) before the shock absorber extends and mitigates the fall shock.



PENDULUM EFFECT

There are work situations where one anchor point outside the worker's axis results in a so-called pendulum effect during a fall.

If the anchor point is not above the work position, the worker may be injured in the event of a fall. In this case, there is a risk of hitting an obstacle in the direction of the fall or falling to the ground. **If it is not possible to use an anchor point near the work position, two anchor points (one on each side of the worker) may be used to prevent swinging.**



CHECK THE PRODUCTS REGULARLY

All fall protection products must be checked by the manufacturer or authorized person every 12 months from the date of first use. Send the products to CERVA GROUP together with the relevant registration form and we will check if everything is in order.

CERVA FS SET
ROOFS, LADDERS

08510026 99 999

standards: EN 361, EN 353-2, EN 795, EN 355, EN 362

Roofers kit flat/Inclined roofs, vertical ladder, steel structure.
Kit including harness and fall arrester with shock absorber on the rope, carabiner, anchor sling.

USE:
» tower climbing - electro distribution
» work on telecommunication
» work on roofs
» work on steel structures, maintenance





CERVA FS SET
PLATFORMS, MAINTENANCE

08510027 99 999

standards: EN 361, EN 355, EN 362

Kit for cherry pickers, industrial and building maitenance.
Set includes: Harness, shock absorber with webbing and carabiners.

USE:
» access platforms
» work on telecommunication
» work on roofs
» work on steel structures, maintenance





CERVA FS SET
FALL ARREST

08510028 99 999

standards: EN 361, EN 362, EN 360, EN 795

Set for work in th high retracable system 7 m, harness, carabiner and anchor sling for vertical and sloping mooving.

USE:
» scaffolding
» access platforms
» work on roofs
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution





CERVA FS SET
SCAFFOLD, STEEL STRUCTURE

08510029 99 999

standards: EN 361, EN 355, EN 362

Scaffolding, steel structure Set incuding: Harness shock absorber with two lanyards and snap hooks opening 50 mm, Rucksack standard - capacity: 20 l.

USE:
» tower climbing - electro distribution
» work on steel structures, maintenance
» scaffolding
» access platforms
» work on telecommunication







CERVA BERKUT 1
HARNESS

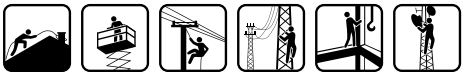
08010055 99 999

standards: EN 361, EN 358
size: UNI
load capacity: 140 kg
weight: 1.2 kg

Basic harness with a positioning belt.

» dorsal D-ring, 2 front loops for fall arrest
» positioning belt with 2 side D-rings
» with standard buckles and metal parts made of steel

USE:
» work on roofs
» access platforms
» work on wood poles
» tower climbing - electro distribution
» work on steel structures, maintenance
» work on telecommunication





CERVA AQUILA 3
HARNESS

08010054 99 999

standards: EN 361
size: UNI
load capacity: 120 kg
weight: 0.73 kg

» light harness with one steel D-ring attachment point on the back and one front loop
» it has three points for adjustment
» fall arrest indicator for user safety
» material: Steel and Polyester

USE:
» work on roofs
» work on steel structures, maintenance
» scaffolding







IGNITE ION
HARNESS

SKYLOTEC

08010048 99 910 XS–M
08010048 99 911 M–2XL
08010048 99 912 2XL–5XL

standards: EN 361
size: XS/M, M/XXL, XXL–5XL
load capacity: 140 kg
weight: 1.21 kg, 1.26 kg, 1.31 kg

» two anchor points, back D-ring and 2 chest textile rings
» padded shoulder and leg straps
» adjustment with two quick-release buckles on the leg straps and two on the shoulder straps
» chest strap with magnetic buckle

USE:
» rigging facade window cleaning
» rescue operation, special forces
» work on steel structures, maintenance
» access platforms
» work on teleco mmunication
» tower climbing - electro distribution
» work on roofs



iF DESIGN AWARD 2016

GERMAN DESIGN AWARD GOLD 2017



FLASH
HARNESS

08010043 99 901 S-M
08010043 99 904 L-XL
08010043 99 905 2XL

standards: EN 358, EN 361, EN 813
size: S/M, L/XL, 2XL
load capacity: 140 kg
weight: 2 kg

» hree anchor points: back D-ring, 2 chest loops and 2 loops for work on the rope
» comfortable padded 3-D ergonomic belt with two positioning D-rings and quick-release buckle
» padded shoulder and leg straps
» leg straps adapt to the user's movement
» leg straps and chest strap with quick-release buckles

USE:
» work on wood poles
» work on telecommunication
» wind turbine
» rope access
» rescue operation, special forces
» rigging facade window cleaning
» tower climbing - electro distribution





LITE
HARNESS

08010051 99 901 S-M
08010051 99 904 L-XL
08010051 99 905 2XL

standards: EN 361
size: S/M, L/XL, 2XL
weight: 0.9 kg, 1 kg, 1.1 kg

» two anchor points, back D-ring and 2 chest loops
» lightweight padding on shoulder and leg straps
» adjustable leg straps with quick-release aluminum buckles
» chest strap quick-release buckle
» five adjustment buckles

USE:
» work on roofs
» work on steel structures, maintenance
» scaffolding
» access platforms





ATEX
HARNESS EXPLOSIVE CONDITIONS

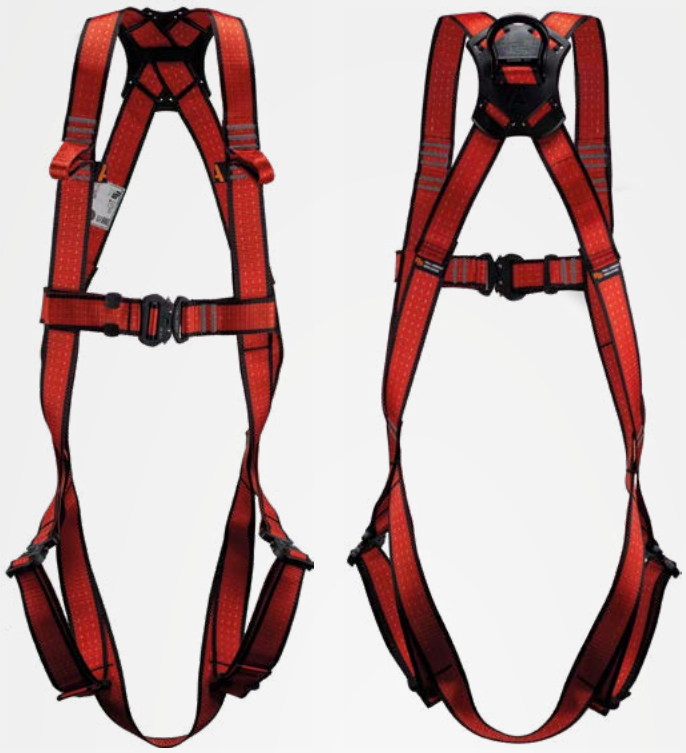
08010045 99 901 S–M
08010045 99 904 L–XL

standards: EN 361, EN 60079-0 (II 2 G c T6)
size: S/M, L/XL

» two anchor points, back D-ring and 2 chest loops
» polyester antistatic strap
» dielectric buckles and anchors up to 9kV
» fall arrest indicator
» adjustable shoulder and leg straps

USE:
» work on roofs
» work on steel structures, maintenance
» scaffolding
» access platforms





TUFF
HARNESS CHEMICAL ENVIRONMENT

08010046 99 901 S–M
08010046 99 904 L–XL

standards: EN 361
size: S/M, L/XL
weight: 1.2 kg

» two anchor points, back and chest D-ring
» made of 44 mm PES Biothane® webbing with a strength of 25 kN
» Biothane® layer on the webbing allows for easy cleaning from chemicals such as paints, petroleum products, etc.
» five adjustment points

USE:
» work on roofs
» work on steel structures, maintenance
» access platforms
» scaffolding
» work on telecommunication





BERKUT 6
HARNESS

08010050 99 901 S–M
08010050 99 904 L–XL
08010050 99 905 2XL

standards: EN 361, EN 358
size: S/M, L/XL, 2XL
load capacity: 120 kg
weight: 2.15 kg

» two anchor points
» back D ring and 2 chest loops
» comfortable belt with two positioning D-rings
» two-color design for easier orientation during putting on
» padded shoulder and leg straps
» belt and adjustable leg straps with quickrelease buckles

USE:
» work on roofs
» access platforms
» work on wood poles
» tower climbing - electro distribution
» work on steel structures, maintenance
» work on telecommunication





BERKUT 5
HARNESS

08010049 99 901 S–M
08010049 99 904 L–XL
08010049 99 905 2XL

standards: EN 361
size: S/M, L/XL, 2XL
weight: 1.85 kg

» two anchor points
» back D-ring and 2 chest loops
» two-color design for easier orientation when putting on
» padded shoulder and leg straps
» adjustable leg straps with quick-release buckles

USE:
» work on roofs
» access platforms
» work on wood poles
» tower climbing - electro distribution
» work on steel structures, maintenance





PROFI EVO
HARNESS

Lanex

08010005 99 999 M–XL
08010009 99 904 2XL

standards: EN 361, EN 358, EN 813
size: M–XL, 2XL
load capacity: 140 kg
weight: 1.66 kg, 1.76 kg

» comfortable harness, good ergonomics
» rear and front anchorage element
» adjustable shoulder, thigh and back straps
» positioning belt with side loops
» element for rescue, evacuation or abseiling
» padded shoulder and leg straps
» comfortable belt

USE:
» work on steel structures, maintenance
» tower climbing - electro distribution
» work on telecommunication
» rescue operation, special forces
» rigging facade window cleaning
» wind turbine
» scaffolding





LX5
HARNESS

Lanex

08010014 99 903 M–XL
08010014 99 905 2XL

standards: EN 361, EN 358
size: M–XL, 2XL
load capacity: 140 kg
weight: 1.65 kg, 1.75 kg

» comfortable harness
» aluminum quick-release buckles for easy use of the harness
» padding of leg straps, positioning belt, shoulder straps
» front and rear anchor element
» positioning belt

USE:
» work on roofs
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms





LX2
HARNESS

lanex

08010003 99 999 M–XL
08010008 99 905 2XL

standards: EN 361, EN 358
size: M–XL, 2XL
load capacity: 140 kg
weight: 1.26 kg, 1.46 kg

» adjustable shoulder and thigh straps
» front and rear anchorage
» positioning belt

USE:
» work on roofs
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms



BASIC
HARNESS

lanex

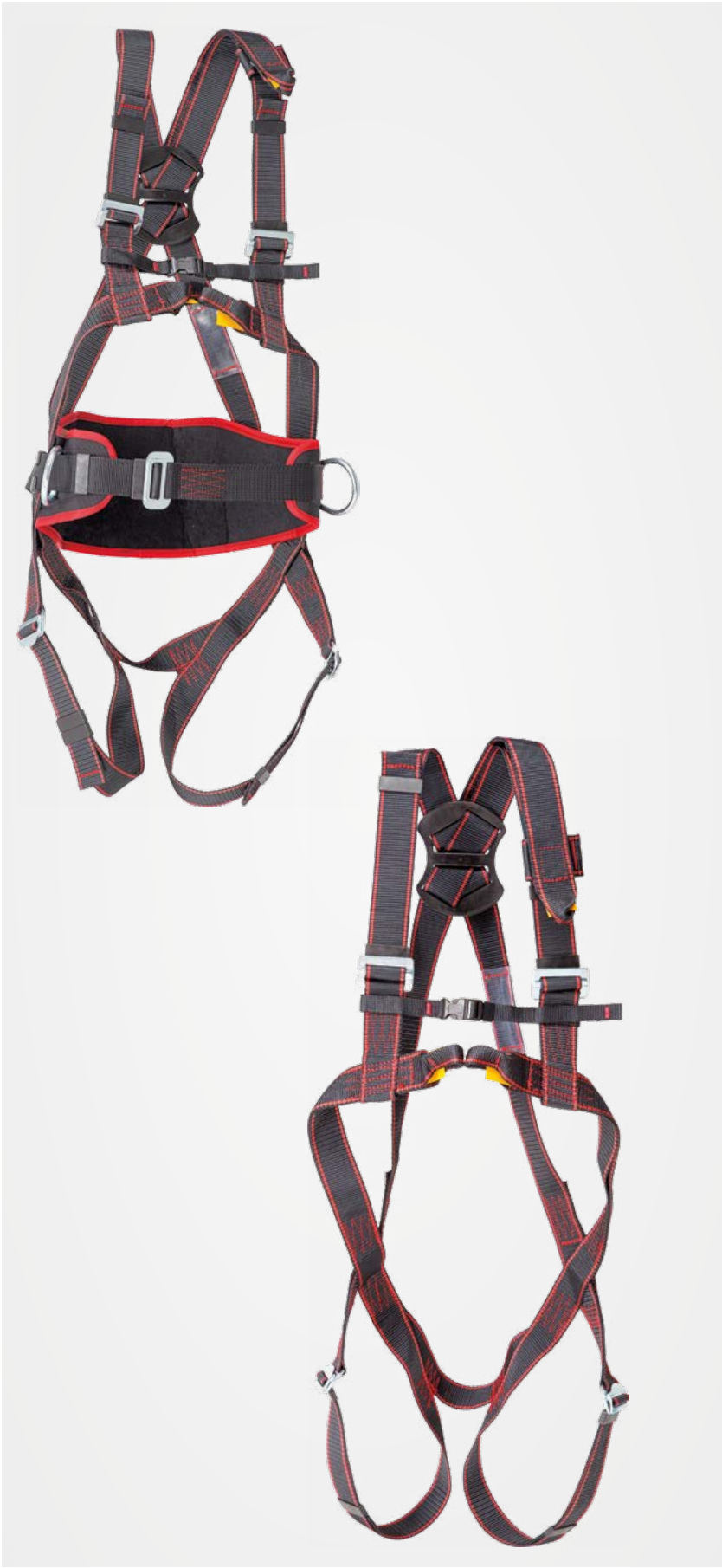
08010004 99 999 M–XL
08010010 99 999 2XL

standards: EN 361
size: M–XL, 2XL
load capacity: 140 kg
weight: 1 kg, 1.05 kg

» rear and front anchorage
» adjustable shoulder and thigh straps
» extended strap to rear anchorage

USE:
» work on roofs
» scaffolding
» work on steel structures, maintenance





FIREPROOF
HARNESS

08010053 99 903 M–XL
08010053 99 905 2XL

standards: EN 361, EN 358
size: M–XL, 2XL
load capacity: 140 kg
weight: 1.7 kg, 1.9 kg

» flame-retardant harness
» front and rear anchor points
» positioning belt
» adjustable shoulder and leg straps
» harness is equipped with quick-release buckles

USE:
» work on roofs
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms



FIREPROOF BASIC
HARNESS

08010052 99 903 M–XL
08010052 99 905 2XL

standards: EN 361
size: M–XL, 2XL
load capacity: 140 kg
weight: 1.1 kg, 1.3 kg

» flame-retardant harness
» front and rear anchor points
» adjustable shoulder and leg straps

USE:
» work on roofs
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms









POSITIONING BELT WITH ROPE

Lanex

08020003 99 999

standards:	EN 362, EN 354, EN 358
weight:	2.1 kg
size:	UNI

» positioning belt with lumbar support with positioning eyes and buckle for size adjustment
» loops for attaching a tool bag, universal safety 1.5 m long rope with adjuster and steel carabiner with safety lock

USE:
» work on wood poles
» work on telecommunication
» tower climbing - electro distribution



PB 20
WORK POSITIONING BELT

Lanex

08020004 99 999 M-XL
08020005 99 999 2XL

standards:	EN 358
weight:	0.46 kg (M-XL), 0.48 kg (2XL)
size:	M-XL, 2XL

» positioning belt with lumbar support with positioning eyes and buckle for size adjustment
» loops for attaching a tool bag

USE:
» work on wood poles
» work on telecommunication
» tower climbing - electro distribution





CERVA JINX 1
ADJUSTABLE LANYARD ROPE

08040035 99 999

standards: EN 354, EN 358
weight: 0.40 kg

» adjustable positioning lanyard diameter 11 mm length from 1.3 m to 2 m
» possibility of attaching optional carabiners

USE:
» work on wood poles
» work on steel structures, maintenance
» work on roofs
» scaffolding
» tower climbing - electro distribution





LB 11
LANYARD WITH CARABINERS

08040015 99 999

standards: EN 362, EN 354, EN 358
rope length: 1.5 m

» universal safety PA braided rope ø 10.5 mm, sewn eye with eyelet at both ends of the rope with two steel carabiners AZ002

USE:
» work on wood poles
» tower climbing - electro distribution
» work on steel structures, maintenance





LB 11
LANYARD ROPE

08040001 99 999

standards: EN 354, EN 358
rope length: 1 m

» universal safety PA braided rope ø 10.5 mm, sewn eye with eyelet at both ends of the rope
» possibility of connecting optional carabiners

USE:
» work on wood poles
» tower climbing - electro distribution
» work on steel structures, maintenance



LANYARDS



LB 10
POSITIONING LANYARD
WITH CARABINERS

08040014 99 999

standards: EN 362, EN 354, EN 358
rope length: 2 m

» universal safety PA braided rope ø 12 mm with length adjuster, sewn eye with eyelet at one end of the rope with two steel carabiners AZ002

USE:
» work on wood poles
» tower climbing - electro distribution
» work on steel structures, maintenance



LB 10

POSITIONING LANYARD
WITH CARABINER

08040007 99 999

standards: EN 354, EN 358
rope length: 2 m

» universal safety PA braided rope ø 12 mm with length adjuster, sewn eye with eyelet at one end ropes with steel carabiner AZ002

USE:
» work on wood poles
» tower climbing - electro distribution
» work on steel structures, maintenance



LB 10
POSITIONING LANYARD

08040002 99 999

standards: EN 354, EN 358
rope length: 1.5 m

» universal safety PA braided rope ø 12 mm with length adjuster, sewn eye with eyelet at one end of ropes
» possibility of connecting optional carabiners

USE:
» work on wood poles
» tower climbing - electro distribution
» work on steel structures, maintenance



SKYSAFE FLEX Y

SKYLOTEC

08040032 99 999

standards:	EN 354, EN 355
system length:	1.8m
load capacity:	50–140 kg
weight:	2.3 kg

- shock absorber with a connecting device made of two elastic straps and a fall indicator
- the ends of the straps are equipped with aluminum hooks with an opening of 64 mm
- the shock absorber has an aluminum KOBRA AL TRI carabiner
- absorption of fall energy up to 6 kN
- carabiners resistant to fracture and through the latch up to 22 kN

USE:

- wind turbine
- tower climbing - electro distribution
- work on telecommunication









LANYARDS WITH SHOCK ABSORBERS





CERVA CHIMANGO DOUBLE
SHOCK ABSORBER

08060038 99 999

standards:	EN 354, EN 355
system length:	1.5 m
load capacity:	100 kg
weight:	1.62 kg

» shock absorber with a connection of two polyester straps with a width of 27 mm
» at the end of the straps there are FS843 hooks (opening 52 mm), on the shock absorber carabiner FS802
» strap strength: 25 kN
» absorption of fall energy up to 6 kN

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» scaffolding
» work on steel structures, maintenance



CERVA CHIMANGO 2
SHOCK ABSORBER

08060037 99 999

standards:	EN 354, EN 355
system length:	1.5 m
load capacity:	100 kg
weight:	1.2 kg

» shock absorber with a connection device made of polyester strap with a width of 27 mm
» at the end of the straps is carabiner hook with an opening of 52 mm, on the shock absorber is oval carabiner
» strap strength: 25 kN
» absorption of fall energy up to 6 kN

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» scaffolding
» work on steel structures, maintenance



LANYARDS WITH SHOCK ABSORBERS





TUFF
SHOCK ABSORBER

08060030 99 015 1.5 m
08060030 99 020 2 m

standards: EN 354, EN 355
system length: 1.5 m, 2m
load capacity: 100 kg
weight: 1.2 kg

» fall absorber with rope and carabiners for chemically hazardous environments 1.5 and 2 m
» made of PES Biothane® webbing with a strength of 25 kN
» Biothane® layer on the webbing allows for easy cleaning from chemicals such as paints, petroleum products, etc.
» at the end of the webbing there is a FS821 hook with a 60 mm opening, on the shock absorber there is a FS820 carabiner
» webbing strength: 25 kN
» absorption of fall energy up to 6 kN

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» scaffolding
» work on steel structures, maintenance



ATEX
SHOCK ABSORBER

08060027 99 999

standards: EN 354, EN 355, EN 60079-0
system length: 2 m
load capacity: 100 kg
weight: 1.62 kg

» fall absorber with two ropes and carabiners for explosive environments
» shock absorber with a connecting device for two polyester antistatic straps with a width of 25 mm
» at the end of the webbing there are FS821 hooks (opening 52 mm), on the shock absorber there is a FS33562 carabiner
» webbing strength: 25 kN
» absorption of fall energy up to 6 kN

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» scaffolding
» work on steel structures, maintenance



LANYARDS WITH SHOCK ABSORBERS



SHOCK ABSORBER (carabiners 100 mm)

08060018 99 999

standards: EN 355, EN 362
rope length: 1.6m

» shock absorber with two PA braided ropes ø 10.5 mm and two AZ 024 carabiners (opening 100 mm) on the ropes
» AZ 002 carabiner is on the shock absorber

USE:
» tower climbing - electro distribution
» work on steel structures, maintenance
» scaffolding
» access platforms
» work on telecommunication





SHOCK ABSORBER (carabiners 56 mm)

08060013 99 999

standards: EN 355, EN 362
rope length: 1.6m

» shock absorber with two PA braided ropes ø 10.5 mm and two AZ 023 carabiners (opening 56 mm) on the ropes
» AZ 002 carabiner is on the shock absorber

USE:
» tower climbing - electro distribution
» work on steel structures, maintenance
» scaffolding
» access platforms
» work on telecommunication





SHOCK ABSORBER (carabiners 50 mm)

08060003 99 999

standards: EN 355, EN 362
rope length: 1.8m

» shock absorber with two PA braided ropes ø 10.5 mm and two AZ 022 carabiners (opening 50 mm) on the ropes
» AZ 002 carabiner is on the shock absorber

USE:
» tower climbing - electro distribution
» work on steel structures, maintenance
» scaffolding
» access platforms
» work on telecommunication



LANYARDS WITH SHOCK ABSORBERS





ABM RL
SHOCK ABSORBER

08060009 99 999

standards: EN 355, EN 362
rope length: 1.8 m

- shock absorber with lanyard LB 10 with length adjuster
- PA braided rope diameter 12 mm
- rope and absorber are equipped with a carabiner AZ 002

USE:
- access platforms
- work on steel structures, maintenance
- work on roofs



ABM L
SHOCK ABSORBER

08060004 99 999

standards: EN 355
rope length: 1.8 m

- shock absorber with PA braided rope with ø 10.5 mm
- steel carabiners on both ends AZ 011 (opening 18 mm)

USE:
- access platforms
- work on steel structures, maintenance
- work on roofs



ABM 2L
SHOCK ABSORBER

08060002 99 999

standards: EN 355
rope length: 1.8 m

- shock absorber with two PA braided ropes ø 10.5 mm
- absorber dimensions 160 × 35 × 45 mm
- possibility of connecting optional carabiners

USE:
- access platforms
- work on steel structures, maintenance
- work on roofs



ABM
SHOCK ABSORBER

08060001 99 999

standards: EN 355
rope length: 1.8 m

- shock absorber made from PA webbing
- dimensions: 160 × 35 × 45 mm
- connection to optional carabiners

USE:
- access platforms
- work on steel structures, maintenance
- work on roofs





CERVA GRIPPA
WORK POSITIONING LANYARD

08040036 99 020

standards: EN 358
length: 2 m
load capacity: 100 kg
weight: 0.74 kg

» 12 mm diameter positioning device with aluminum rope length adjuster
» sewn eye with eyelet at the end of the rope fitted with carabiner with 22 mm opening
» length adjuster is fitted with carabiner

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» tower climbing - electro distribution
» scaffolding
» work on wood poles



PROT 3
WORK POSITIONING LANYARD

08040005 99 020 2 m
08040005 99 030 3 m

standards: EN 358, EN 362
rope length: 2 m, 3 m

» positioning device with rope length adjuster (ø 14 mm)
» sewn eye with eyelet at the end of the rope with the possibility of optional carabiners
» for the adjuster there is a carabiner AZ 011 (opening 18 mm)

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» tower climbing - electro distribution



PROT 11
WORK POSITIONING LANYARD

08040004 99 020 2 m
08040004 99 030 3 m

standards: EN 358, EN 362
rope length: 2 m, 3 m

» positioning device with rope length adjuster (ø 14 mm)
» sewn eye with eyelet at the end of the rope with a carabiner AZ 002 (opening 18 mm)
» the adjusting carabiner is AZ 011 (opening 18 mm)

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» tower climbing - electro distribution



RETRACTABLE FALL ARRESTERS







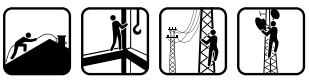
FS934
SELF RETRACTING
FALL ARRESTER

08030039 99 110 10 m
08030039 99 115 15 m

standards: EN 360
cable length: 10 m, 15 m
load capacity: max. 136 kg
weight: 5.6 kg, 6.8 kg

» self-retracting fall arrester with steel cable
» robust and durable housing
» integrated fall energy absorption
» swivel steel carabiner with fall arrest indicator

USE:
» work on roofs
» work on steel structures, maintenance
» tower climbing - electro distribution
» work on telecommunication



FS930
SELF RETRACTING
FALL ARRESTER

08030040 99 999

standards: EN 360
length: 2.1 m
load capacity: 140 kg
weight: 1.2 kg

» self-retracting fall arrester with a strap made of Dyneema material
» integrated fall absorber at the end fitted with an aluminum carabiner (opening 25 mm)
» there is an aluminum carabiner with an opening of 20 mm on the swivel eye

USE:
» work on roofs
» work on steel structures, maintenance
» tower climbing - electro distribution
» work on telecommunication



PEANUT Y
RETRACTABLE
SYSTEM

08030026 99 999

standards: EN 360
length: 2.5 m
load capacity: 135 kg
weight: 3.2 kg

» double retractable fall arrester with strap and integrated shock absorber and aluminum carabiner STAK TRI (opening 22 mm, 28 kN)
» » at the ends are aluminum hooks FS 90 AL (opening 60 mm, 22 kN)

USE:
» scaffolding
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms



RETRACTABLE FALL ARRESTERS







CR 300
RETRACTABLE TYPE FALL ARRESTER

08030005 99 120 20 m
08030005 99 125 25 m
08030005 99 128 28 m

standards: EN 360
length: 20 m, 25 m, 28 m

» self-retracting fall arrester with steel cable
» the handle also serves as an anchoring eye

USE:
» scaffolding
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms
» work on roofs



FS932
SELF RETRACTING FALL ARRESTER

08030034 99 999

standards: EN 360
length: 7 m
load capacity: 140 kg
weight: 2.1 kg

» self-retracting fall arrester with Dyneema webbing
» high-strength fiberglass reinforced body
» fall indicator

USE:
» scaffolding
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms
» work on roofs



ROLEX
SELF RETRACTABLE TYPE FALL ARRESTER

08030002 99 999

standards: EN 360
weight: 1.5 kg

» self-retracting fall arrester with PES strap
» vertical use
» strap length 2.25 m
» integrated shock absorber
» carabiner on the top included

USE:
» scaffolding
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms
» work on roofs



RETRACTABLE FALL ARRESTERS



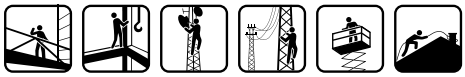
CR 250 VERTICAL
RETRACTABLE TYPE FALL ARRESTER

08050018 99 060 6 m
08050018 99 110 10 m
08050018 99 115 15 m

standards: EN 360
length: 6 m, 10 m, 15 m
weight: 3.9 kg, 4.2 kg, 4.9 kg

» self-retracting fall arrester with steel cable
» vertical use
» high-strength plastic body
» fall indicator
» integrated shock absorbing

USE:
» scaffolding
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms
» work on roofs





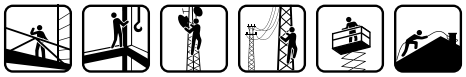
CR 250 HV
RETRACTABLE SYSTEM

08050017 99 060 6 m
08050017 99 080 8 m
08050017 99 111 11 m

standards: EN 360 Tested according VG11.060 fall over sharp edge
length: 6 m, 8 m, 11 m
load capacity: 120 kg
weight: 4.8 kg, 5.0 kg, 5.5 kg

» retractable fall arrester with 5 mm steel cable
» body of the arrester has a handle, rotating anchoring eye
» fall indicator on the AZ 002AS carabiner (opening 24 mm)
» max. braking force for fall arrest 6 kN

USE:
» scaffolding
» work on steel structures, maintenance
» work on telecommunication
» tower climbing - electro distribution
» access platforms
» work on roofs





WR 100
RETRACTABLE TYPE FALL ARRESTER

08030006 99 999

standards: EN 360
length: 6 m
weight: 1.7 kg

» retractable fall arrester with a Kevlar webbing
» rotating anchor eye and carabiner
» fall indicator on a carabiner AZ 002AS (opening 24 mm)

USE:
» tower climbing - electro distribution
» work on roofs



WR 040 HV
RETRACTABLE TYPE FALL ARRESTER

08030020 99 999

standards: EN 360, EN 355, PPE-R-11.060 - Tested horizontally when falling over the edge. PPE-R-11.085 - Tested for Fall Factor 2

length: 2 m

load capacity: 140 kg

weight: 1.40 kg

» self-retracting fall arrester WR 040 with 1.8 m long webbing
» with swivel element and fall indicator
» can also be used connected on the floor
» fall factor 2

USE:
» scaffolding
» access platforms



MINI PROTECTOR
RETRACTABLE TYPE FA

08030011 99 999

standards: EN 360

length: 2.45 m

load capacity: 140 kg

weight: without carabiners 0.85 kg

» retractable fall arrester with webbing and integrated fall absorber with AZ 011 carabiner (opening 18 mm)
» swivel eye on the body of the arrester and AZ 002AS swivel carabiner (opening 24 mm) on the webbing
» fall indicator on the carabiner

USE:
» scaffolding
» access platforms



CR 30
RETRACTABLE TYPE FALL ARRESTER

08030021 99 999

standards: EN 360

length: 3 m

load capacity: 140 kg

weight: without carabiners 1.75 kg

Lanex Retractable fall arrester CR30 steel wire 3 m with carabiners.

USE:
» scaffolding
» access platforms





CERVA BRANTA 1
ANCHOR LINE

08050019 99 110 10 m
08050019 99 120 20 m

standards: EN 353
length / weight: 10 m/2 kg, 20 m/3.3 kg

» movable fall arrester (brake) on the rope
» PA braided rope diameter 11 mm sewn eye with carabiner at the upper end at the lower end with sewn eye
» on the fall arrester there is a shock absorber with carabiner

USE:
» tower climbing - electro distribution
» work on telecommunication
» work on roofs
» work on steel structures, maintenance
» scaffolding





LANOSTOP S KARABINOU
GUIDED TYPE FA WITH CARABINERS

08050001 99 110 10 m
08050001 99 115 15 m
08050001 99 120 20 m
08050001 99 125 25 m

standards: EN 353-2
length: 10 m, 15 m, 20 m, 25 m

» movable fall arrester on a flexible safety line (rope)
» PA braided rope with ø 12 mm sewn eye at the upper end with a carabiner and AZ 002 carabiner (opening 18 mm), lower end sewn without eye
» on the movable fall arrester there is a shock absorber with AZ 002 carabiner (opening 18 mm)

USE:
» tower climbing - electro distribution
» work on steel structures, maintenance
» work on roofs
» rigging facade window cleaning





AC 300 ROPE
FOR FALL ARRESTER CATCHER

lanex

08070021 99 110 10 m
08070021 99 120 20 m
08070021 99 130 30 m

standards: EN 353-2
length: 10 m, 20 m, 30 m

» flexible safety line made of PA braided rope with ø 12 mm
» suitable for the mobile fall arrester CATCHER
» on the upper end of the rope there is a sewn eye with eyelet fitted with carabiner AZ 002 (opening 18 mm), lower end finished with a knot

USE:
» tower climbing - electro distribution
» work on steel structures, maintenance
» work on roofs
» rigging facade window cleaning





CATCHER
GUIDED TYPE FALL ARRESTER

lanex

08050009 99 999

standards: EN 358, EN 353-2
weight: without carabiners 0.19 kg

» movable fall arrester for rope ø 12 mm
» equipped with AZ 011 carabiner (opening 18 mm)

USE:
» for work possitioning and fall arrest for rope AC300



MILAN 2.0 HUB
RESCUE SYSTEM

SKYLOTEC

08160002 99 999

standards: EN 1496-A, EN 341-1A
weight: 5 kg

» Skylotec Milan Rescue device for extraction or lowering of rescued person rope 50 m

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» scaffolding
» tower climbing - electro distribution
» work on wood poles





SIRIUS
DESCENDING MULTIFUNCTION DEVICE

SKYLOTEC



08050015 99 999

standards: EN 12841-C, EN 341-2A
weight: 0.51 kg

» rescue, securing, abseiling, positioning equipment
» rescue of two people, maximum load 250 kg
» suitable for ropes o diameter 10-12 mm
» automatick lock function, anti panic function

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» scaffolding
» tower climbing - electro distribution
» work on wood poles



BACK UP
GUIDED TYPE FALL ARRESTER

Lanex

08050008 99 999

standards: EN 353-2, EN 358, EN 12841 A/B
weight: including carabiner 0.385 kg

» fall arrester for ropes diameter 10-12 mm with carabiner 411RF
» for work positioning and protection against fall

USE:
» work on telecommunication
» wind turbine
» work on roofs
» access platforms
» scaffolding
» tower climbing - electro distribution
» work on wood poles





CERVA ZINC-PLATED STEEL OVAL TWIST LOCK

08080030 99 999

standards: EN 362
weight: 0.189 kg
opening: 17 mm
dimensions: 59 × 110 mm

» carabiner Fall safe FS 33500 oval steel twist lock



CERVA ZINC PLATED STEEL OVAL SCREW

08080029 99 999

standards: EN 362 (B), EN 12275 (H)
weight: 0.164 kg
opening: 18 mm
dimensions: 59 × 110 mm

» zinc plated steel Lock type: screw lock



CARABINER OVAL ALU TWIST LOCK

08080028 99 999

standards: EN 362 (B), EN 12275
weight: 0.076 kg
opening: 21 mm

» oval-shaped aluminum carabiner with twist lock and strength 22 kN



CARABINER OVAL ALU SCREW LOCK

08080027 99 999

standards: EN 362 (B), EN 12275
weight: 0.079 kg
opening: 19 mm

» oval aluminum carabiner with screw lock and strength 25 kN



CARABINER AZ 019T

08080018 99 999

standards: EN 362
weight: 0.08 kg
opening: 28 mm
dimensions: 119 × 75 mm

» aluminium carabiner with twist lock



CARABINER AZ 014DT

08080017 99 999

standards: EN 362
weight: 0.08 kg
opening: 25 mm
dimensions: 112 × 73 mm

» aluminium carabiners with triple lock



CARABINER AZ 011T

08080003 99 999

standards: EN 362
weight: 0.18 kg
opening: 18 mm
dimensions: 108 × 60 mm

» steel carabiner oval with twist lock



CARABINER AZ 011

08080004 99 999

standards: EN 362
weight: 0.17 kg
opening: 18 mm

» steel carabiner with screw lock, strength 20 kN



CERVA
ANCHOR SLING

08090029 99 010 1 m
08090029 99 020 2 m

standards: EN 795-B
length: 1 m, 2 m
weight: 0.09 kg (1 m); 0.18 kg (2 m)

» anchor sling polyamide 1 m and 2 m
» min. strength 20 kN

USE:
» to create an anchor point



TENDON
ANCHOR SLING

08100018 99 999 20 cm
08100002 99 999 60 cm
08100004 99 999 120 cm
08100008 99 999 180 cm

standards: EN 566, EN 795
length: 20 cm, 60 cm, 120 cm, 180 cm

USE:
» to create an anchor point



LANYARD AZ 01
STEEL SLING

08100001 99 999 1 m
08100007 99 999 2 m

standards: EN 354, EN 795.
length: 1 m, 2 m

» anchoring steel rope with eyes - zinc-coated rope ø 8 mm



AT 250
ANCHOR CLAMP

08090013 99 999

standards: EN 795B
weight: 1.37 kg

» anchor clamp for steel sections – opening 95 to 400 mm
» made of aluminium

USE:
» for making anchor point on steel beam



IM 200
MOBILE ANCHOR POINT

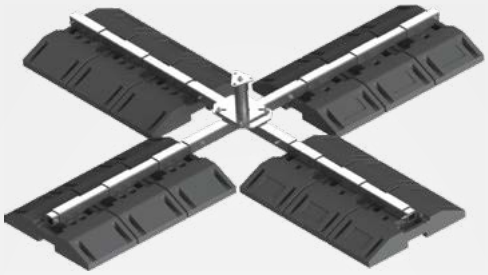
lanex

08090015 99 999

standards: EN 795E
dimensions: 3 × 3 m
weight: 374 kg

» mobile anchor point for 2 people
» friction force between the anchor point and the surface is used for attachment
» the point consists of a steel cross with 12 rubberized weights weighing 25.5 kg/pc

USE:
» anchor point for flat (surface) roofs



AT 150
ALUMINIUM ANCHOR POINT

lanex

08090010 99 999

standards: EN 795B
dimensions: 135 × 60 × 60 mm
weight: 0.30 kg

» aluminum anchor point

USE:
» for installation on steel or concrete structure



BELKA STEEL
ANCHOR DEVICE

lanex

08100026 99 999

standards: EN 795B
length: 350–1240 mm
dimensions: 1415 × 150 × 100 mm
weight: 6.9 kg

» steel anchor device with two anchoring eyes for two-rope technique or belaying two people

USE:
» for installation on doors or window frames



TM9-N
SAFETY TRIPOD

08090026 99 999

standards:	EN 795B
height:	209 cm
mounting hole diameter:	ø 149 mm
transport dimensions:	176 × 26 × 23 cm
leg spacing:	128 mm
weight:	15.45 kg
load capacity:	500 kg

Max. number of users for lifting and lowering 3

The lightweight aluminum safety tripod TM9-N is anchor point compliant with the EN795/B and TS 16415/B norms and can be used as a component of fall protection equipment. The TM9-N tripod provides protection for up to 3 people simultaneously. The TM9-N tripod consists of a powder-coated steel head, equipped with 3 ball-bearing polyamide rollers for guiding the work rope of RUP and CRW series devices. The head is also equipped with 3 anchor points located on the sides of the head. Each of these points can be used as an anchor point for fall protection equipment.

USE:
» work in confined spaces
» rope access





UTB
UNIVERSAL TRIPOD BRACKET

08090028 99 999

» universal tripod holder
» can be attached to all tripods
» the following winches are compatible with the handle: RUP 502U, RUP 503U, RUP 505U
» static strength 21 kN



RUP 502-U
RESCUE WINCH

08090027 99 999

standards:	EN 1496B
work load:	140 kg
weight:	13 kg

» winch for tripod TM 9
» lifting and lowering is done using a 20 m steel cable
» automatic brake

To install on a tripod, you must use the UTB bracket 0809002899999.

USE:
» work in confined spaces
» rope access





STATIC ROPES / HORIZONTAL LIFELINES



TENDON eSTATIC
ROPE

08070027 XX 130 30 m
08070027 XX 150 50 m
08070027 XX 160 60 m

standards:	EN 1891
material:	Core Polyamide, Sheat PES
colour:	**96** HV orange, **56** violet
length:	30 m, 50 m, 60 m
diameter:	11 mm
weigth:	84 g/m
number of falls:	20
elongation:	50–150 kg: 2.6%
tenacity:	35 kN

» Static rope 11 mm for work at height and securing of persons above free space

USE:
» work at height



TENDON STATIC 10.5
ROPE

08070013 80 130 30 m
08070013 80 140 40 m
08070013 80 150 50 m
08070013 80 160 60 m

standards:	EN 1891
colour:	white
length:	30 m, 40 m, 50 m, 60 m
diameter:	10,5 mm
weigth:	72 g/m
number of falls:	20
elongation:	50–150 kg: 3.8%

» Static rope 10,5 mm for work at height and securing of persons above free space

USE:
» work at height



TENDON STATIC 11
ROPE

08070014 80 130 30 m
08070014 80 140 40 m
08070014 80 150 50 m
08070014 80 160 60 m

standards:	EN 1891
colour:	white
length:	30 m, 40 m, 50 m, 60 m
diameter:	11 mm
weigth:	80 g/m
number of falls:	20
elongation:	50–150 kg: 3.3%

» especially for work at height and securing of persons above free space.

USE:
» work at height

HORIZONTAL WEBBING LIFELINE AE

08070018 99 120 20 m

standards:	EN 795B
length:	20 m (AE 320)

» portable horizontal strap system with adjustable length
» system tightening using a ratchet

USE:
» for making lifeline for 3 person webbing is in bag



CERVA RUCKSACK STANDARD 24 L

08100035 99 999

dimensions: 400 × 300 × 180 mm
volume: 24 l
weight: 0.39 kg

» textile bag pack with pockets



FS8125 CARRYING BAG 11 L

08100032 99 999

dimensions: 330 × 200 × 200 mm
volume: 11 l
weight: 0.2 kg
material: heavy duty polyester

» FALL SAFE® FS8125 is a polyester carrying bag with zipper closure



FS8125 CARRYING BAG 39 L

08100033 99 999

dimensions: 500 × 280 × 280 mm
volume: 39 l
weight: 0.4 kg

» bag made from polyester with pokets with zipper



AX 011 UNIVERSAL BAG

08100006 99 999

dimensions: 300 × 300 × 300 mm
volume: 42 l

» universal bag AX011 for material transport
» resistant and waterproof material
» two shoulder straps 30 × 60 cm



AY 03
RETRACTABLE TOOL HOLDER

lanex

08100020 99 999

» retractable type tool holder
» maximum length 180 cm



AY 22
FLEXIBLE TOOL HOLDER

lanex

08100019 99 999

» flexible tool holder with buckle



AY 202
TRAUMA STRAP

lanex

08160003 99 999

» TRAUMA STRAP AY 202 is designed to alleviate the effects of suspension trauma on a worker who has fallen in full body harness
» it can be attached to full body harness and enables shifting the worker's body weight onto the leg



FALL PROTECTION – STANDARDS

EN 341 Personal fall protection equipment - descender devices for rescue
EN 353-1,2 PPE against falls from a height - guided type fall arresters
EN 354 Personal fall protection equipment. Lanyards
EN 355 PPE against falls from a height - energy absorbers
EN 358 PPE for work positioning and prevention of falls from a height - belts for work positioning and restraint and work positioning lanyards
EN 360 PPE against falls from a height - retractable type fall arresters
EN 361 PPE against falls from a height - full body harnesses
EN 362 PPE against falls from a height - connectors
EN 363 Personal fall protection equipment - personal fall protection systems
EN 397 Industrial safety helmets
EN 795 Personal fall protection equipment - anchor devices
EN 813 Personal fall protection equipment - sit harnesses
EN 892 Mountaineering equipment - dynamic mountaineering ropes
EN 1496 Personal fall protection equipment - rescue lifting devices
EN 1497 Personal fall protection equipment - rescue harnesses
EN 1498 Personal fall protection equipment - rescue loops
EN 1868 PPE against falls from a height - list of equivalent terms
EN 1891 PPE for the prevention of falls from a height - low stretch kernmantel ropes
EN 12841 Personal fall protection equipment - rope adjustment devices

FALL PROTECTION – EXPLANATORY NOTES


work on wood poles


work on telecommunication


access platforms


rope access


rigging facade window cleaning


work on roofs


work on steel structures, maintenance


work in confined spaces


tower climbing - electro distribution


scaffolding


rescue operation, special forces


wind turbine

NOTES

NOTES



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