



#### COMMERCIAL, TECHNICAL AND ADMINISTRATIVE OFFICES

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## COMMERCIAL, TECHNICAL AND ADMINISTRATIVE OFFICES

Corso Roma, 83 • 12038 Savigliano (CN) • Italy

#### **CENTRAL WAREHOUSE**

Corso Roma, 85 interno A • 12038 Savigliano (CN) Italy

#### **TECHNICAL DIRECTION:**

executive planning, structural calculations and checks, testing and revision of anti fall systems.

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Contents, images and diagrams at this page are for illustrative purposes only. For detailed, up-to-date functional and technical information, please contact the company's office.



This price list is for information purposes only and may not be regarded as an offer to purchase pursuant to Art. 66 §1. of the Civil Code.

SINECURA reserves the right to change, supplement or remove the information provided herein. All prices given are net prices and do not include 23% VAT.

In case of some product groups, it is possible to order customised devices in configuration other than provided. Custom-modified or custom-made products are not subject to returns.



Devices and systems manufactured by SINECURA provide work safety under conditions where risk of a fall from height is present.

This equipment is used in many industries for works at heights, depths and in providing rescue services. Our offer includes both components of personal fall protection equipment – full body harnesses, energy absorbers, lanyards, and permanent anchorage systems.

At SINECURA we pay special attention to comfort of use and reliability in functioning of our devices, making efforts to meet our customers' still growing needs as best as possible.

All the SINECURA products are CE-certified.

#### CERTIFICATION

SINECURA personal fall protection equipment have Certificates of Type Examination carried out by notified bodies.

Moreover, many of products also hold statements of suitability of use in special conditions:

- Explosion-hazard atmospheres: Institute of Industrial Organic Chemistry
- Commission for Work Safety in the Mining Sector
- Ladders, rope ladders: Institute of Mechanised Construction and Rock Mining
- Fire fighting equipment: Scientific and Research Centre for Fire Protection
- Textiles: Textile Research Institute



"Working at a height may expose workers to a high risk of injuries or death following a fall or other serious accident. Accidents related to working at a height constitute to a large part of all accidents during work – particularly fatal accidents. Annually in Poland there occurs about 5,000 accidents resulting from fall from a height, in which 150 people suffer fatalities or serious injuries."

(Source: Central Statistical Office of Poland — data as for 2005)

"Working at a height may expose workers to a high risk of injuries or death following a fall or other serious accident. Accidents related to working at a height constitute to a large part of all accidents during work – particularly fatal accidents. Annually in Poland there occurs about 5,000 accidents resulting from fall from a height, in which 150 people suffer fatalities or serious injuries."

#### **WORK ORGANIZATION**

If possible, work should be organized so that all employees are not exposed to falls from the height. However, if risk of a fall cannot be totally eliminated, in order to provide the best possible working conditions it is required to choose proper protection method and necessary protection equipment. Then as a rule, priority should be given to the collective protection equipment (balustrades, safety nets) over the individual.

#### **EQUIPMENT PREPARATION**

In order to make a proper selection of equipment the character of the work should be taken into consideration. When selecting and using proper fall protection equipment specialist training and medical examination should be provided. Moreover the employer is obliged to ensure specific organization of works at the height and supervision of the tasks being performed and whether the safety rules in the course of the works are respected. Personal fall protection equipment is subject to periodic inspections carried out by qualified personnel. Periodic inspections do not release users from checking the equipment before each use.

#### **SAFETY STANDARDS**

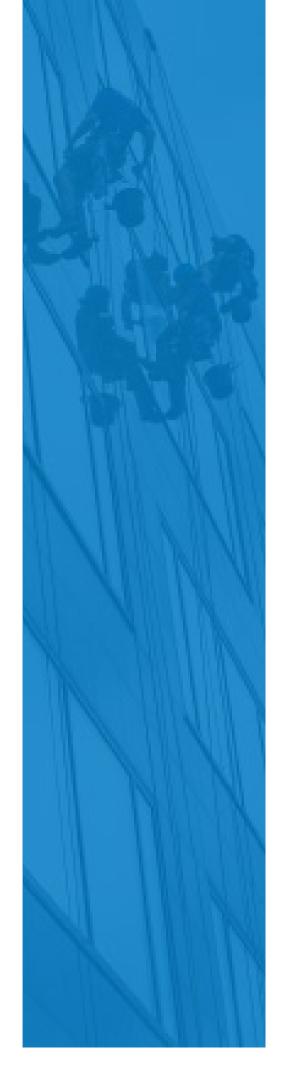
Being defined as Personal Protection Equipment (PPE), the fall protection equipment shall meet the requirements of relevant harmonised European Standards (EN). All fall protection products shall bear CE marking including but not limited to reference European standard number.

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#### Safety standards

EN 353-1	Personal fall protection equipment. Guided type fall arresters including an anchor line. Guided type fall arresters including a rigid anchor line
EN 353-2	Personal protective equipment against falls from a height. Guided type fall arresters including a flexible anchor line
EN 354	Personal fall protection equipment. Lanyards
EN 355	Personal protective equipment against falls from a height. Energy absorbers
EN 358	Personal protective equipment for work positioning and prevention of falls from a height. Belts for work positioning and restraint and work positioning lanyards
EN 360	Personal protective equipment against falls from a height. Retractable type fall arresters
EN 361	Personal protective equipment against falls from a height. Full body harnesses
EN 362	Personal protective equipment against falls from a height. Connectors
EN 363	Personal fall protection equipment. Personal fall protection systems
EN 795-A1	Anchor devices. Anchor points placed on vertical, horizontal or inclined surfaces (devices of this class are not personal protective equipment (PPE))
EN 795-A2	Anchor devices. Anchor points placed on inclined walls (devices of this class are not personal protective equipment (PPE)).
EN 795-B	Anchor devices. Anchor devices with anchor point(s) without the need to fix them into the structure (temporary, transportable anchor devices)
EN 795-C	Anchor devices. Anchor device with a flexible anchor line which deviates from the horizontal by not more than 15° (devices of this class are not personal protective equipment (PPE))
EN 795-D	Anchor devices. Anchor device with a rigid anchor line which deviates from the horizontal by not more than 15° (devices of this class are not personal protective equipment (PPE))
EN 813	Personal fall protection equipment. Sit harnesses
EN 1496	Personal fall protection equipment. Rescue lifting devices
EN 1497	Personal fall protection equipment. Rescue harnesses





### FALL PROTECTION KITS

Kits for work at heights Fall protection kits for work on steep roof Confined descent kits

### FULL BODY HARNESSES, PROTECTIVE CLOTHING

Full body harness Heat-resistant full body harness Hi Vision full body harness Overalls with full body harness SOFTSHELL jackets Harness with vest Protective vests

### ENERGY ABSORBERS AND LANYARDS

AW 170 energy absorbers with lanyard ABM energy absorbers with lanyard ABM SCF energy absorbers with lanyard for work on scaffolds Lanyards

### GUIDED TYPE AND RETRACTABLE TYPE FALL ARRESTERS

Guided type fall arresters Guards for guided type fall arresters Roof lanyard Retractable type fall arresters

#### CONNECTORS

Detachable connectors Integrated connectors Screw link connectors

## INDUSTRIAL SAFETY HELMETS, EYE AND HEARING PROTECTION

Industrial safety helmets Face shields and ear protectors Bump caps

### LINES

Working lines Work positioning lanyard

#### **LINE EDGE GUARDS AND LINE SLEEVES**

Line edge guard Line sleeves

#### **WORKING ROPE INSTALLATION EQUIPMENT**

Insulating telescopic poles Heads and working hooks Cable clamps for cable installers

#### **WORK POSITIONING BELTS AND DEVICES**

Work positioning belts Work positioning devices Work positioning webbing lanyards

#### **POLE CLIMBERS AND TREE CLIMBING SPIKES**

Pole climbers Spare parts for pole climbers Tree climbing spikes Spare parts for tree climbing spikes

#### **ANCHOR POINTS AND DEVICES**

Anchor points Anchor devices Horizontal anchor lanyards and lines Webbing slings and portable anchor Anchor systems and devices

#### LADDERS, SCAFFOLDS AND **PLATFORMS**

Rope ladders Telescopic ladders Double-sided and combined ladders Scaffolds Mobile platforms

#### **LIFTING AND DESCENDING DEVICES**

Descending devices Lifting and descending device Pulleys and pulley blocks

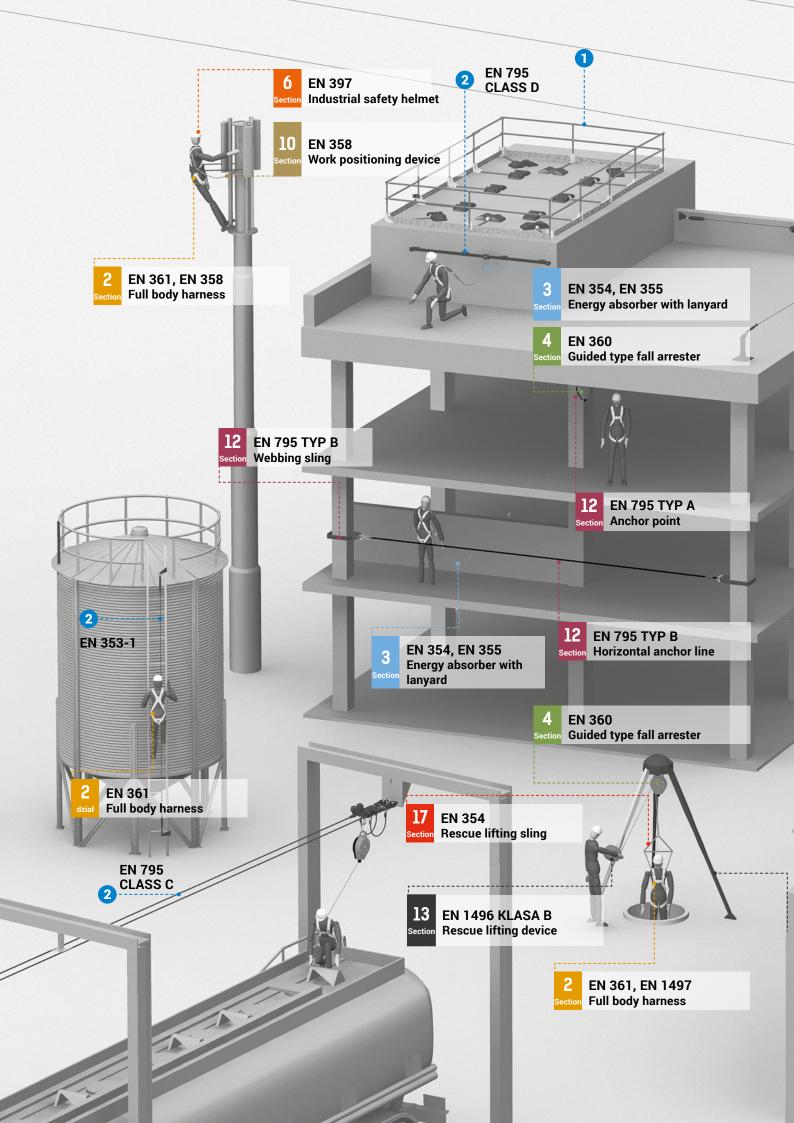
#### **GROUND TENTS, SCREENS AND SAFETY BARRIERS**

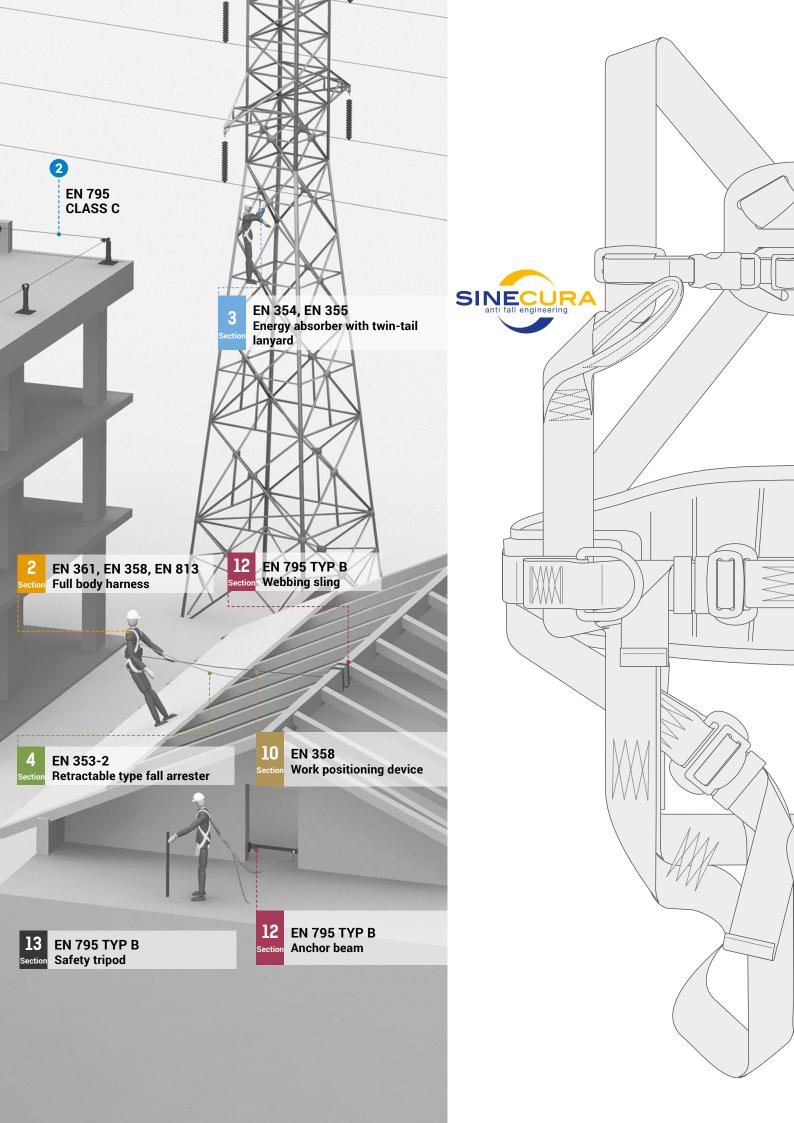
Screens **Ground tents** Safety barriers Protection netting Warning signs

#### **ADDITIONAL ACCESSORIES**

Bosun's chairs Climbing Tool lanyards Tool holders Cargo bags Cargo cases and boxes Covers Straps for heavy load handling Line throwing weights Tree climbing carts Paints and applicators Fans















- full body harness P 01 with dorsal attachment point,
- size M-XL or XXL
- energy absorber ABM with lanyard LB 101, 2m long and steel connectors AZ 011
- cargo bag, dimensions 31 x 27 x 10cm

#### THE KIT COMPRISES:

full body harness P 30 with front and dorsal attachment point, size M-XL or XXL

**CARGO BAG T2** 

- energy absorber ABM with lanyard LB 100 and steel
- connectors AZ 011
- cargo bag, dimensions 31 x 27 x 10cm

#### **ATTACHMENT POINTS**

USE:

#### **ATTACHMENT POINTS:**











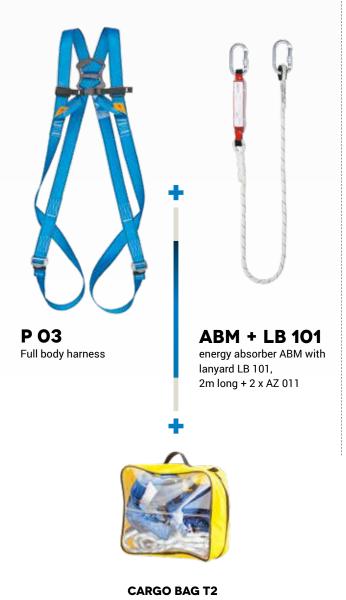














- full body harness P 03 with front and dorsal attachment point, size M-XL or XXL
- energy absorber ABM with lanyard LB 101, 2m long and steel connectors AZ 011
- cargo bag, dimensions 31 x 27 x 10cm

#### THE KIT COMPRISES:

full body harness P 01 with dorsal attachment point, size M-XL or XXL

**CARGO BAG T2** 

- energy absorber ABM with lanyard LB 101, 2m long and steel connector AZ 011 and steel connector AZ 029
- cargo bag, dimensions 31 x 27 x 10cm

#### **ATTACHMENT POINTS:**



1





USE:





**ATTACHMENT POINTS:** 





1



P 05 Full body harness



ABM + LB 101 energy absorber ABM with lanyard LB 101, 2m long + 2 x AZ 011



LB 100 adjustable lanyard LB 100, 2m long + 2 x AZ 011



**CARGO BAG T2** 

#### THE KIT COMPRISES:

- full body harness P 05 with front and back attachment point and with belt and side attachment buckles, size M-XL or XXL
- energy absorber ABM with lanyard LB 101, 2m long and steel connectors AZ 011
- adjustable lanyard LB 100, 2m long with steel connectors AZ 011
- cargo bag, dimensions 31 x 27 x 10cm

#### USE:

## $\bigcirc$



**ATTACHMENT POINTS:** 



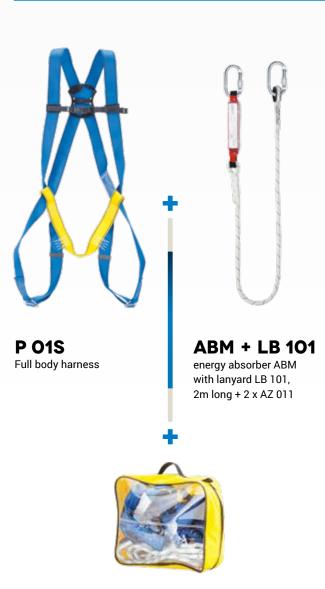


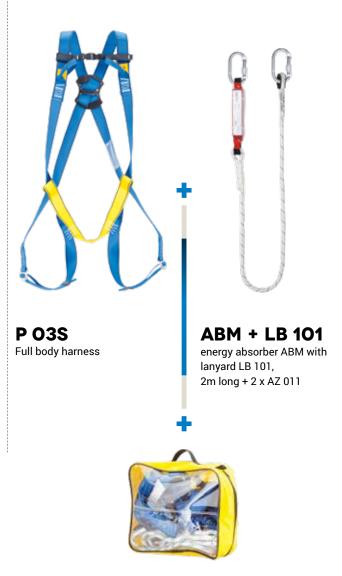












full body harness P 01S with dorsal attachment point, size M-XL or XXL

**CARGO BAG T2** 

- energy absorber ABM with lanyard LB 101, 2m long and steel connectors AZ 011
- cargo bag, dimensions 31 x 27 x 10cm

#### THE KIT COMPRISES:

full body harness P 03S with dorsal attachment point, size M-XL or XXL

**CARGO BAG T2** 

- energy absorber ABM with lanyard LB 101, 2m long and steel connectors AZ 011
- cargo bag, dimensions 31 x 27 x 10cm

#### **ATTACHMENT POINTS:**









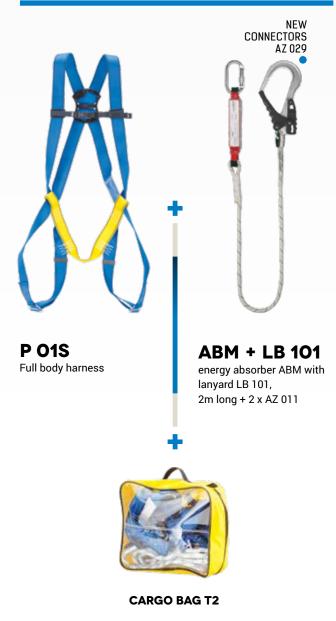




USE:



### **BASIC 4S**



### **BASIC 5S**



Full body harness



**LB 100** adjustable lanyard LB 100, 2m long + 2 x AZ 011

**ABM + LB 101** energy absorber ABM with

lanyard LB 101, 2m long + 2 x AZ 011

#### THE KIT COMPRISES:

- full body harness P 01S with dorsal attachment point, size M-XL or XXL
- energy absorber ABM with lanyard LB 101, 2m long and steel connectors AZ 011 connector AZ 029
- cargo bag, dimensions 31 x 27 x 10cm

#### THE KIT COMPRISES:

**CARGO BAG T2** 

- full body harness P 05S with front and dorsal attachment point and with belt and side attachment buckles, size M-XL or XXL
- energy absorber ABM with lanyard LB 101, 2m long and steel connectors AZ 011
- adjustable lanyard LB 100, 2m long with steel connectors AZ 011
- cargo bag, dimensions 31 x 27 x 10cm

#### **ATTACHMENT POINTS:**





USE:





















- full body harness P 01S with dorsal attachment point, size M-XL or XXL
- $\cdot$  energy absorber BW 220 with twin-tail lanyard and steel connectors AZ 011 and 2 x AZ 029, total length 1.5m

**CARGO BAG T2** 

• cargo bag, dimensions 31 x 27 x 10cm

#### ATTACHMENT POINTS:







USE:

8

with twin-tail lanyard and connectors AZ 011 and 2 x AZ 029, total length

1.5m

1







**CARGO BAG T2** 

#### **ABM SCF**

energy absorber BW 220 with twin-tail lanyard and connectors AZ 011 and 2 x AZ 029, total length 1.5m

#### THE KIT COMPRISES:

- full body harness P 30 with front and dorsal attachment point, size M-XL or XXL
- energy absorber BW 220 with twin-tail lanyard and steel connectors AZ 011 and 2 x AZ 029, total length 1.5m
- cargo bag, dimensions 31 x 27 x 10cm

#### **ATTACHMENT POINTS:**













### **BASIC** PRO 1S





#### THE KIT COMPRISES:

- full body harness P 01 with dorsal attachment point, size M-XL or XXL
- rope grab with energy dissipater LINOSTOP II with working rope and connectors AZ 011, AZ 002
- cargo bag, dimensions 45 x 38 x 10cm

#### THE KIT COMPRISES:

- full body harness P 01S with dorsal attachment point, size M-XL or XXL
- rope grab with energy dissipater LINOSTOP II with working rope and connectors AZ 011, AZ 002
- cargo bag, dimensions 45 x 38 x 10cm

#### **ATTACHMENT POINTS:**







USE:





**ATTACHMENT POINTS:** 



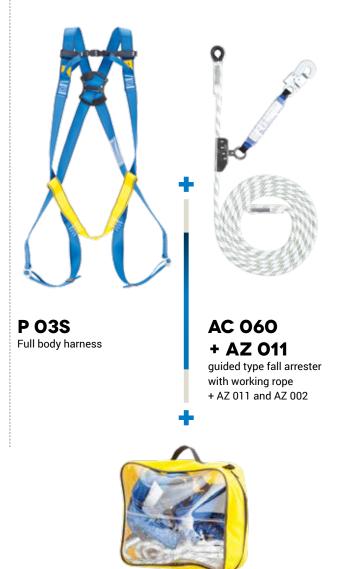


dorsal

### **BASIC** PRO<sub>3</sub>

### **BASIC PRO 3S**





**CARGO BAG T4** 

#### THE KIT COMPRISES:

- full body harness P 30 with front and dorsal attachment point, size M-XL or XXL
- rope grab with energy dissipater LINOSTOP II with working rope and connectors AZ 011, AZ 002
- cargo bag, dimensions 45 x 38 x 10cm

#### THE KIT COMPRISES:

- full body harness P 03S with front and dorsal attachment point, size M-XL or XXL
- rope grab with energy dissipater LINOSTOP II with working rope and connectors AZ 011, AZ 002
- cargo bag, dimensions 45 x 38 x 10cm

#### **ATTACHMENT POINTS:**









USE:





**ATTACHMENT POINTS:** 





EN 353-2



### BASIC PRO 5



# BASIC PRO 6



#### THE KIT COMPRISES:

 full body harness P 30 with front and dorsal attachment point, size M-XL or XXL

**CARGO BAG T4** 

- rope grab with energy dissipater LINOSTOP II with working rope and connectors AZ 011 and AZ 002
- cargo bag, dimensions 45 x 38 x 10cm

#### THE KIT COMPRISES:

- full body harness P 36 C with front and dorsal attachment point, size M-XL or XXL
- rope grab with energy dissipater LINOSTOP II with working rope and connectors AZ 011 and AZ 002
- cargo bag, dimensions 45 x 38 x 10cm

#### **ATTACHMENT POINTS:**









USE:

### ATTACHMENT POINTS:











### BASIC AC 5



### BASIC AC 6



**CARGO BAG T4** 

#### THE KIT COMPRISES:

- full body harness P 30 with front and dorsal attachment point, size M-XL or XXL
- guided type fall arrester AC 080 with working rope and connectors AZ 011
- cargo bag, dimensions 45 x 38 x 10cm

#### THE KIT COMPRISES:

- full body harness P 36C with front and dorsal attachment point, size M-XL or XXL
- guided type fall arrester AC 080 with working rope and connectors AZ 011
- cargo bag, dimensions 45 x 38 x 10cm

#### ATTACHMENT POINTS:









USE:





**ATTACHMENT POINTS:** 





EN 353-2









ABM-2T energy absorber with double webbing + AZ 011 + 2 x AZ 029



**LB 100** adjustable lanyard + 2 x AZ 011



**CARGO BAG T2** 

- full body harness P 05S with front and dorsal attachment point, belt and side attachment buckles
- energy absorber with double polyamide webbing ABM-2T and connectors AZ 011 and 2 x AZ 029
- adjustable lanyard LB 100, 1.2m long with connectors AZ 011cargo bag, dimensions 31 x 27 x 10cm

#### **ATTACHMENT POINTS:**

















**P 52PRO** Full body harness



NEW CONNECTORS AZ 029

energy absorber BW 260 15 with twin-tail lanyard, 1.5m long + AZ 011 + 2 x AZ 029 (opening 50mm)

work positioning device, 2m long with connectors AZ 002 and AZ 011



**CARGO BAG T2** 

#### THE KIT COMPRISES:

- full body harness P 52PRO with front and dorsal attachment point, belt and side attachment buckles
- energy absorber BW 260 15 with twin-tail lanyard and connectors AZ 011, 2 x AZ 029 (opening 50mm), 1.5m long
- work positioning device PROT 22, 2m long with steel connectors AZ 002 and AZ 011
- cargo bag, dimensions 31 x 27 x 10cm

#### **ATTACHMENT POINTS:**



















### **ROLER 2**





#### THE KIT COMPRISES:

- full body harness P 30 with front and dorsal attachment point, size M-XL or XXL
- retractable type fall arrester AH 220S with connectors AZ 029S and AZ 002AS
- cargo bag, dimensions 31 x 27 x 10cm

#### THE KIT COMPRISES:

- full body harness P 30 with front and dorsal attachment point, size M-XL or XXL
- connecting lanyard AZ 410, 1m long with connector AZ 011
- retractable type fall arrester CR 240 with cable, 10m long and connector AZ 002ASI
- cargo bag AX 011, dimensions 30 x 30 x 60cm

#### **ATTACHMENT POINTS:**









USE:











**ATTACHMENT POINTS:** 

### ROLER 3



### **ROLER 4**



#### **CARGO BAG T4**

#### THE KIT COMPRISES:

• full body harness P 30S with front and dorsal attachment point, size M-XL or XXL

**CARGO BAG T2** 

- retractable type fall arrester WR 025 with connectors AZ 011 and AZ 002AS
- cargo bag, dimensions 31 x 27 x 10cm

#### THE KIT COMPRISES:

- full body harness P 32PRO with front and dorsal attachment point, size M-XL or XXL
- retractable type fall arrester WR 040 DOUBLE with connectors AZ 055 (opening 50 mm)
- cargo bag, dimensions 45 x 38 x 10cm

#### ATTACHMENT POINTS:



#### **ATTACHMENT POINTS:**























P 52PRO Full body harness



WR 040 DOUBLE retractable type fall arrester with connector AZ 055



PROT 22 work positioning device, 2m long with connectors AZ 002 and AZ 011



**CARGO BAG T4** 

- full body harness P 52PRO with front and dorsal attachment point, belt and side attachment buckles
- retractable type fall arrester WR 040 DOUBLE with connectors AZ 055 (opening 50 mm)
- work positioning device PROT 22, 2m long with connectors AZ 002 and AZ 011
- cargo bag, dimensions 45 x 38 x 10cm

#### **ATTACHMENT POINTS:**

















### **COMFORT**

# NEW CONNECTORS AZ 029 **P30 LA 101** Full body harness energy absorber with connectors AZ 011 and AZ 029 **CARGO BAG T2**

### **COMFORT 2**









NEW

AZ 029

PROT 3 work positioning device, 2m long with connectors AZ 011 and AZ 002

#### THE KIT COMPRISES:

- full body harness P 30 with front and dorsal attachment point, size M-XL or XXL
- energy absorber, 1.6m long with connectors AZ 011 and AZ
- cargo bag, dimensions 31 x 27 x 10cm

#### THE KIT COMPRISES:

- full body harness P 51E with front and dorsal attachment point, size M-XL or XXL
- energy absorber ABM with twin-tail elastic lanyard LE 111 and connectors AZ 011 and 2 x AZ 029
- work positioning device PROT 3, 2m long with connectors AZ 011 and AZ 002
- cargo bag, dimensions 45 x 38 x 10cm

#### **ATTACHMENT POINTS:**











USE:





**ATTACHMENT POINTS:** 



















**ABM SCF** energy absorber BW 260 15 + AZ 011 + 2 x AZ 029 (opening 50mm), 1.5m long



PROT 22 work positioning device, 2m long + AZ 011 + AZ 002



**CARGO BAG** 

- full body harness P 52PRO with front and dorsal attachment point, belt and side attachment buckles
- energy absorber BW 260 15 with elastic lanyard and connectors AZ 011 and 2 x AZ 029 (opening 50mm), 1.5m long
- work positioning device PROT 22, 2m long with steel connectors AZ 002 and AZ 011
- cargo bag, dimensions 45 x 38 x 10cm

#### **ATTACHMENT POINTS:**













USE:





1







PROT 2 2 work positioning device



**AZ 410** connecting lanyard, 1m long with connector AZ 011



**CARGO BAG** 

### **FALL PROTECTION** KIT FOR WORK ON STEEP ROOF

#### THE KIT COMPRISES:

- full body harness P 70 with front and dorsal attachment point, adjustable thigh, shoulder straps and waist belt, size
- connecting lanyard AZ 410, 1m long with connector AZ 011
- work positioning device PROT 2 with connectors AZ 011 and AZ 002
- cargo bag, dimensions 45 x 38 x 10cm

#### **ATTACHMENT POINTS:**













# EN 358





**P 70** Full body harness



**CARGO BAG** 

**ATTACHMENT POINTS:** 

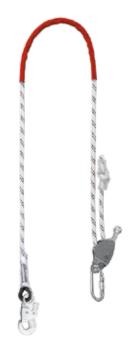


AZ 410 2 x connecting lanyard, 1m long with connector AZ 011



AC 060 guided type fall arrester with working rope with connectors AZ 011 and AZ 002

### FALL PROTECTION KIT FOR WORK ON STEEP ROOF



PROT 22
work positioning device

#### THE KIT COMPRISES:

- full body harness P 70 with front and dorsal attachment point, adjustable thigh, shoulder straps and waist belt, size M-XL or XXL
- 2 x connecting lanyard AZ 410, 1m long with connector AZ 011
- work positioning device PROT 22 with steel connectors AZ 002 and AZ 011
- rope grab with energy dissipater LINOSTOP II with working rope and connectors AZ011, AZ002
- cargo bag, dimensions 45 x 38 x 10cm















1



**P90** Full body harness



**CARGO BAG** 



**AZ 410** 2 x connecting lanyard, 1m long with connector AZ 011



**AC 080** guided type fall arrester with working rope with connectors 2 x AZ 011



**FALL PROTECTION KIT FOR WORK ON STEEP ROOF** 

**PROT 22** work positioning device

#### THE KIT COMPRISES:

- full body harness P 90 with front and dorsal attachment point, adjustable thigh, shoulder straps and waist belt, size M-XL or XXL
- 2 x connecting lanyard AZ 410, 1m long with connector AZ 011
- work positioning device PROT 22 with steel connectors AZ 002 and AZ 011  $\,$
- guided type fall arrester AC 080 with working rope and connectors AZ 011
- cargo bag, dimensions 45 x 38 x 10cm

USE:

#### **ATTACHMENT POINTS:**























P 40 Full body harness



AT 300 rescue lifting sling with 3 connectors AZ 011



CR 240
retractable type fall arrester
with cable, 10m long
and connector AZ 002ASI



CARGO BAG AX 011

- full body harness P 40 with front and dorsal attachment point, size M-XL or XXL
  - retractable type fall arrester with line, 10m long and connector AZ 002ASI
  - rescue lifting sling AT 300 with 3 connectors AZ 011
  - cargo bag AX 011, dimensions 60 x 30 x 30cm, volume 33L
  - safety tripod TM 9
  - rescue lifting device RUP 502 with line, 20m long
  - pulley PL 101
  - cargo bag for tripod TM 9

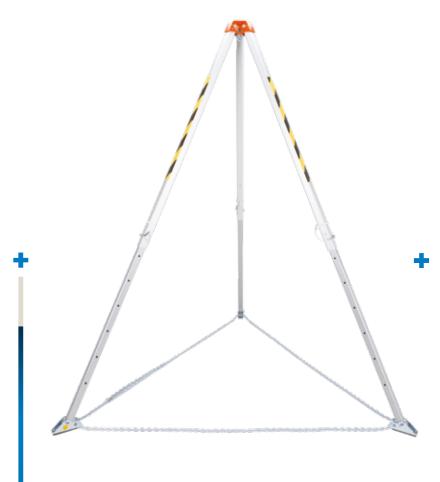
### **ATTACHMENT POINTS:**













TM 9 Safety tripod

RUP 502 rescue lifting device with line, 20m long



CARGO BAG AX 016 FOR TRIPOD TM 9



Pulley





P 40 Full body harness



CARGO BAG AX 012



AT 300 rescue lifting sling with 3 connectors AZ 011



**CRW 300** retractable type fall arrester with rescue lifting device and cable, 25m long

- full body harness P 40 with front and dorsal attachment point, size M-XL or XXI
- rescue lifting sling AT 300 with 3 connectors AZ 011
- retractable type fall arrester CRW 300 with rescue lifting device and cable,
   25m long
- cargo bag AX 012, dimensions 80 x 40 x 40cm, volume 81L
- safety tripod TM 9 with fixing adapter AZ 171 for CRW 300
- pulley PL 101
- safety fence AT 203
- · cargo bag for tripod TM 9

### **ATTACHMENT POINTS:**













P 40 Full body harness



**CARGO BAG AX 012** 



**AT 300** rescue lifting sling with 3 connectors AZ 011



**CRW 200** retractable type fall arrester with rescue lifting device and cable, 15m long

- full body harness P 40 with front and dorsal attachment point, size M-XL
- rescue lifting sling AT 300 with 3 connectors AZ 011
- retractable type fall arrester CRW 200 with rescue lifting device and cable,
- cargo bag AX 012, dimensions 80 x 40 x 40cm, volume 81L
- safety tripod TM 9 with fixing adapter for CRW 200
- pulley PL 101
- safety fence AT 203
- cargo bag for tripod TM 9

### **ATTACHMENT POINTS:**















P 40 Full body harness



CARGO BAG AX 012



AT 300 rescue lifting sling with 3 connectors AZ 011



**CRW 200** retractable type fall arrester with rescue lifting device and cable, 15m long

- full body harness P 40 with front and dorsal attachment point, size M-XL or XXI
- rescue lifting sling AT 300 with 3 connectors AZ 011
- retractable type fall arrester CRW 200 with rescue lifting device and cable,
   15 m long
- cargo bag AX 012, dimensions 80 x 40 x 40cm, volume 81L
- safety tripod TM 14 with fixing adapter for CRW 200
- pulley PL 101
- cargo bag for tripod TM 14

### **ATTACHMENT POINTS:**











TM 14 Safety tripod



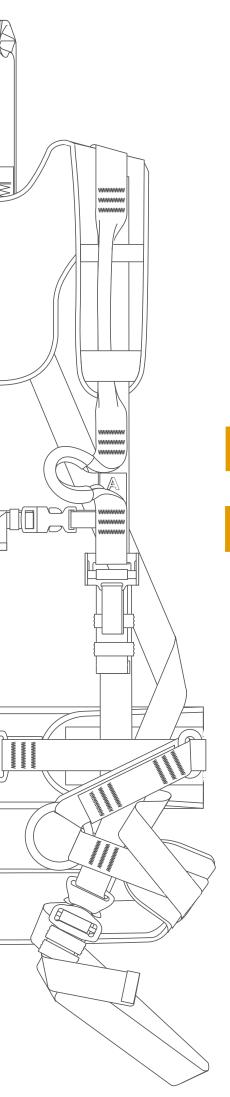
PL 101 Pulley

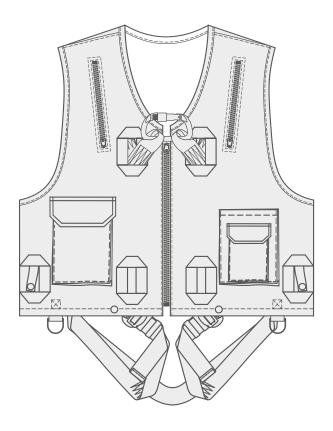


**AT 174** fixing adapter for CRW 200

CARGO BOX FOR TRIPOD TM 14





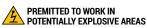


# Full body harnesses, protective clothing

Full body harness	2 - <b>3</b>
Heat-resistant full body harness	2 - 19
Hi Vision full hody harness	2 <b>- 53</b>







### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**





VERSION	WEIGHT	
M – XL	690 g	
XXL	710 g	

### **DORSAL ATTACHMENT POINT**





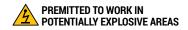
2

EN 361, EN 358

Ref. no.: **AB 102 02** 



### **SPECIAL FEATURES**



### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**









(€

 VERSION
 WEIGHT

 M - XL
 1100 g

 XXL
 1200 g

### **DORSAL ATTACHMENT POINT**



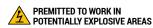
### **BELT**



EN 358

Work positioning belt with side attachment buckles





### **MANUFACTURE**

Webbing:	polyester 45mm	
Buckles:	galvanized steel	
Threads:	polyester	

### **NUMBER OF ATTACHMENT POINTS**

WEIGHT

730 g

740 g



VERSION

M - XL

XXL







**DORSAL ATTACHMENT POINT** 



### FRONT ATTACHMENT POINT



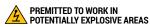


5

EN 361, EN 358 Ref. no.: AB 105 02



### **SPECIAL FEATURES**



### **MANUFACTURE**

Webbing:	polyester 45mm	
Buckles:	galvanized steel	
Threads:	polyester	

### **NUMBER OF ATTACHMENT POINTS**













VERSION	WEIGHT	
M – XL	1160 g	
XXL	1260 g	

### **DORSAL ATTACHMENT POINT**





**BELT** 





### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**







VERSION	WEIGHT
M – XL	870 g
XXL	900 g
XXL	

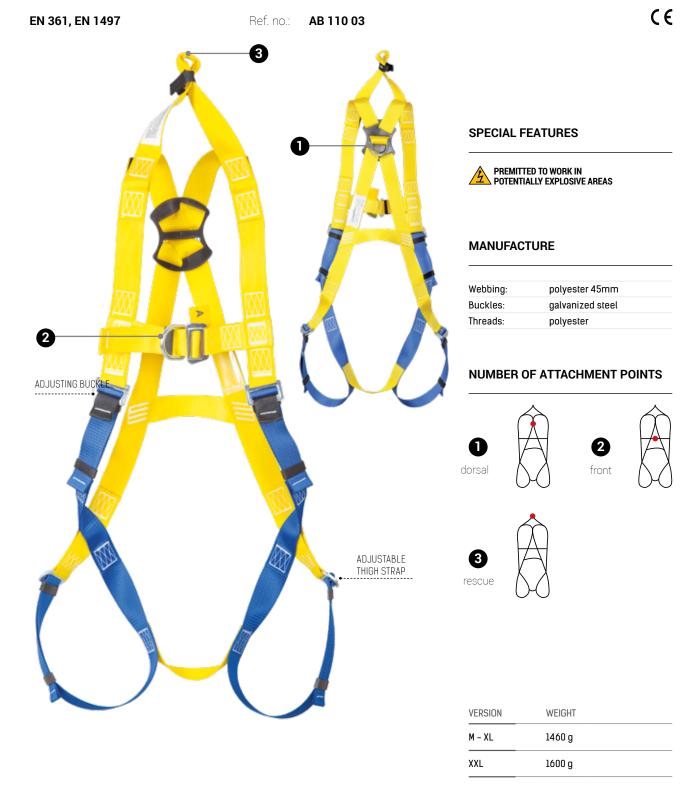
### **DORSAL ATTACHMENT POINT**



**EN 361** 



2



### **DORSAL ATTACHMENT POINT**





**RESCUE ATTACHMENT POINT** 



EN 1497

AB 110 04

Ref. no.:



### **DORSAL ATTACHMENT POINT**



**EN 361** Dorsal attachment D-ring



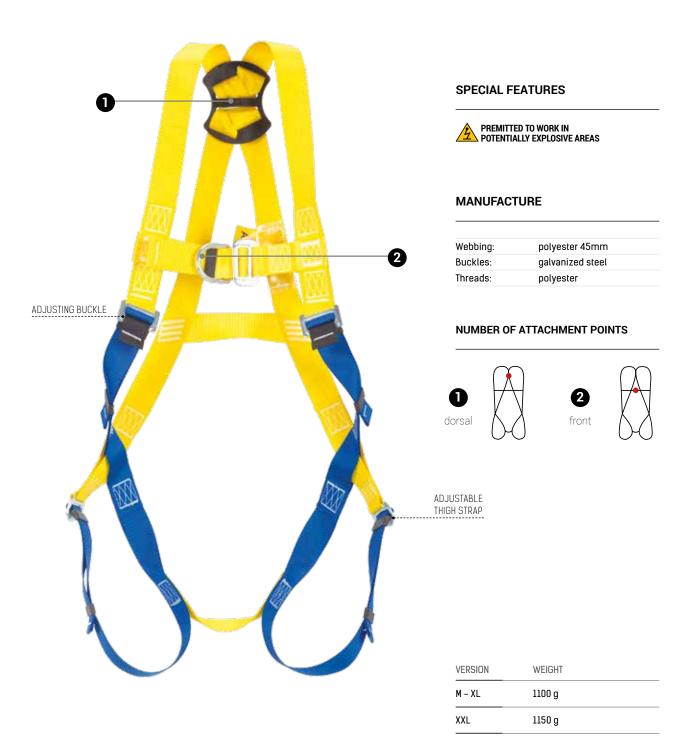
9

1150 g

XXL

2

**EN 361** Ref. no.: **AB 110 07 C €** 



### **DORSAL ATTACHMENT POINT**

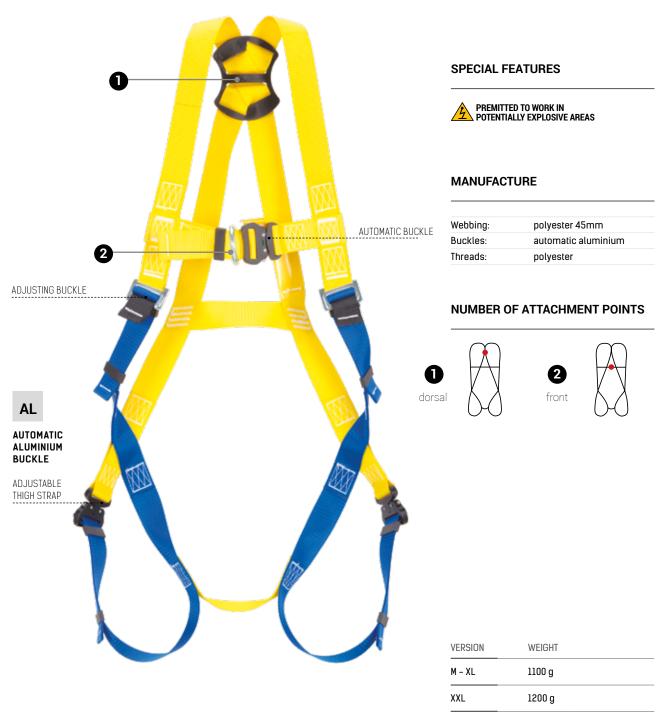
# ENT POINT FRONT ATTACHMENT POINT





2

EN 361 Ref. no.: AB 110 06



### **DORSAL ATTACHMENT POINT**



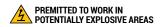




EN 361 Ref. no.: AB 112 01



### **SPECIAL FEATURES**



### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**





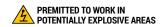
VERSION	WEIGHT	
M – XL	1115 g	
XXL	1165 g	

### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring





### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**

WEIGHT



VERSION







M – XL 1350 g

XXL 1450 g

### **DORSAL ATTACHMENT POINT**



**BELT** 





2

EN 361, EN 358 Ref. no.: AB 120 03



### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**

WEIGHT

1600 g

1690 g



VERSION

M - XL

XXL







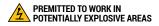
**DORSAL ATTACHMENT POINT** 



BELT







### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**









### VERSION WEIGHT M - XL 1450 g XXL1550 g

### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

## **BELT**



**EN 358** 

Work positioning belt with side attachment buckles

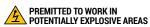


2



### **SPECIAL FEATURES**



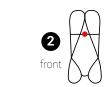


### **MANUFACTURE**

Webbing:	polyester 45mm	
Buckles:	galvanized steel	
Threads:	polyester	

### **NUMBER OF ATTACHMENT POINTS**





(€

VERSION	WEIGHT	
M – XL	1010 g	
XXL	1080 g	

### **DORSAL ATTACHMENT POINT**



### FRONT ATTACHMENT POINT



EN 361

Front attachment point

### **DORSAL ATTACHMENT POINT**

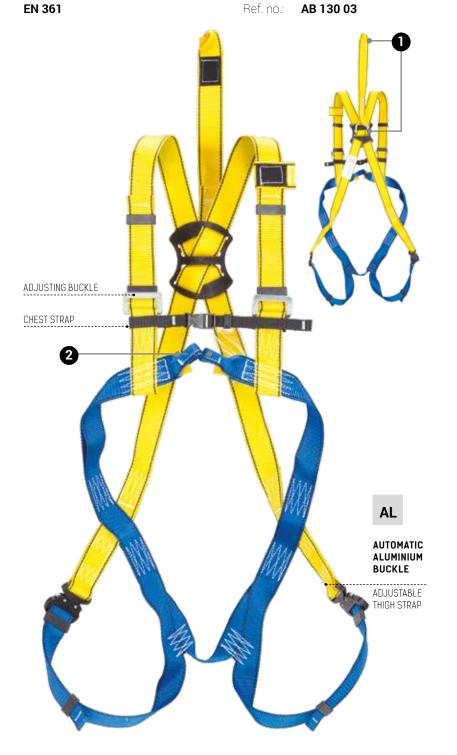


**EN 361** Dorsal attachment D-ring

### FRONT ATTACHMENT POINT



**EN 361** Front attachment point





### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**







(€

 VERSION
 WEIGHT

 M - XL
 1100 g

 XXL
 1180 g

### **DORSAL ATTACHMENT POINT**

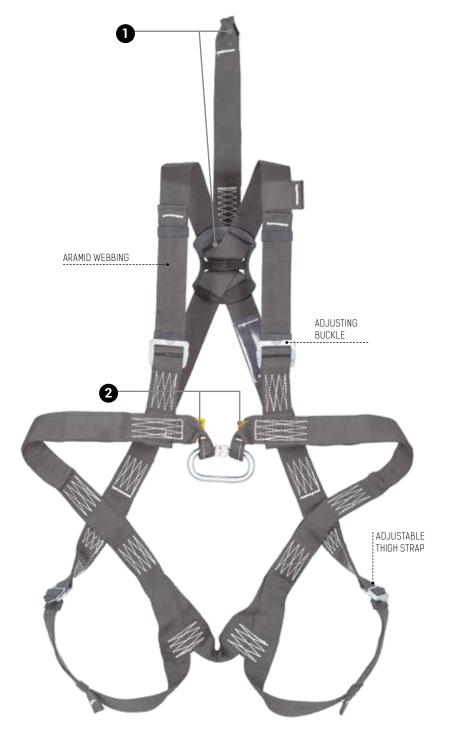


Dorsal attachment D-ring



Front attachment point

( ( EN 361 Ref. no.: AB 131 01



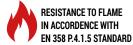
### **SPECIAL FEATURES**



**Tested for maximum** user's weight 140 kg



PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS



### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**









EN 361

EN 361

VERSION	WEIGHT	
M - XL	1030 g	
XXL	1090 g	

### **DORSAL ATTACHMENT POINT**

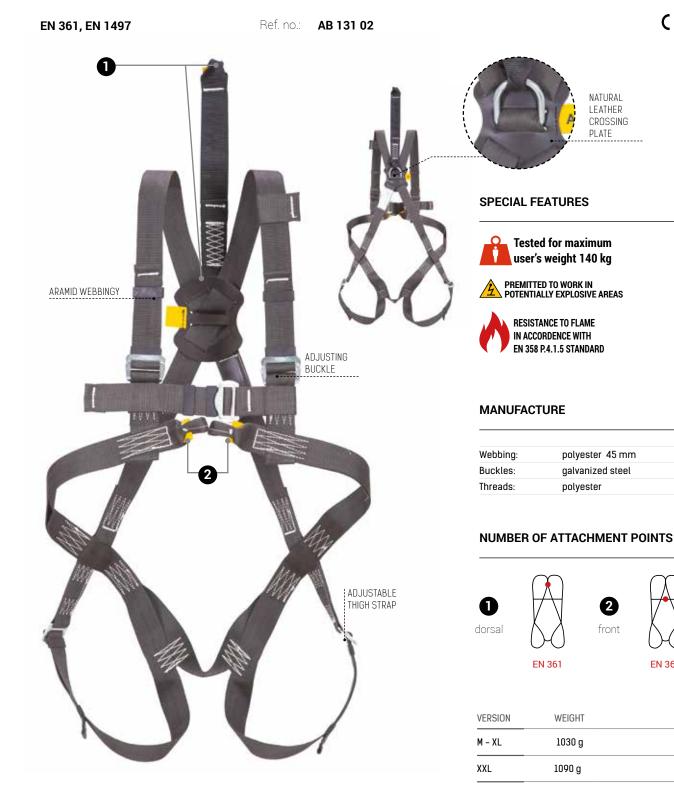


**EN 361** Dorsal attachment D-ring



**EN 361** Front attachment point





### **DORSAL ATTACHMENT POINT**



**EN 361** Dorsal attachment D-ring

### FRONT ATTACHMENT POINT

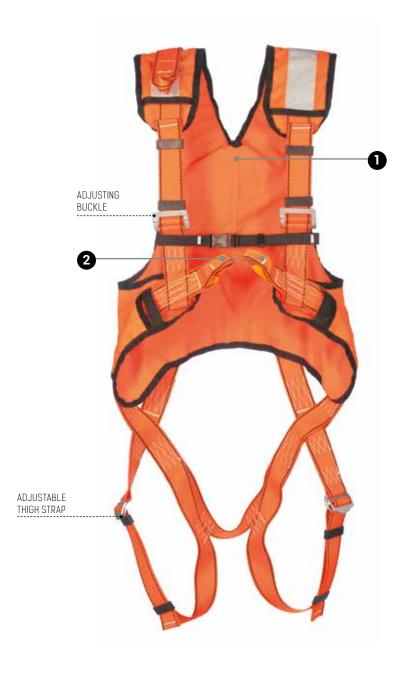


**EN 361** Front attachment point

EN 361

( (

**EN 361** Ref. no.: **AB 130 04 C €** 



### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**









1000 g	
1600 g	
	<u> </u>

### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring



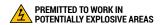
**EN 361**Front attachment point



EN 361 Ref. no.: AB 132 01



### **SPECIAL FEATURES**



### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**









VERSION	WEIGHT	
M – XL	1650 g	
XXL	1750 g	

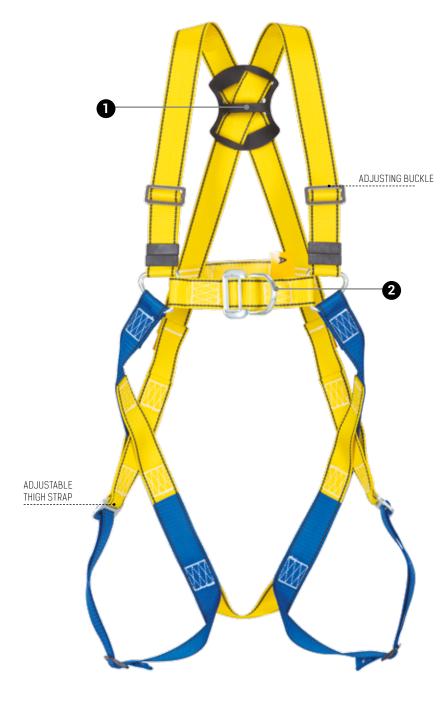
### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring



Front attachment point



### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**









VERSION WEIGHT M - XL 1150 g XXL1200 g

# DORSAL ATTACHMENT POINT



Dorsal attachment D-ring

### FRONT ATTACHMENT POINT



Front attachment point



EN 361 Ref. no.: AB 135 03



### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**









 VERSION
 WEIGHT

 M - XL
 1220 g

 XXL
 1270 g

### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring



( (

2

### EN 361, EN 1497

AB 135 04 Ref. no.:

### **SPECIAL FEATURES**



**Tested for maximum** user's weight 140 kg



ADAPTED TO COOPERATE WITH A TWO-POINT HITCH AT 300

### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

### **NUMBER OF ATTACHMENT POINTS**







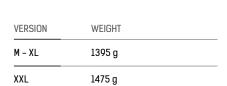












### **DORSAL ATTACHMENT POINT**



AL

AUTOMATIC Aluminium **BUCKLE** 

ADJUSTABLE THIGH STRAP

# Dorsal attachment D-ring

# FRONT ATTACHMENT POINT



Front attachment point

# RESCUE ATTACHMENT POINT



Rescue attachment point







### **MANUFACTURE**

Webbing:	polyester 45mm
wedding.	potyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

# NUMBER OF ATTACHMENT POINTS









EN 361



EN 1497

VERSION	WEIGHT	
M – XL	1100 g	
XXL	1160 g	

### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

### FRONT ATTACHMENT POINT



Front attachment point

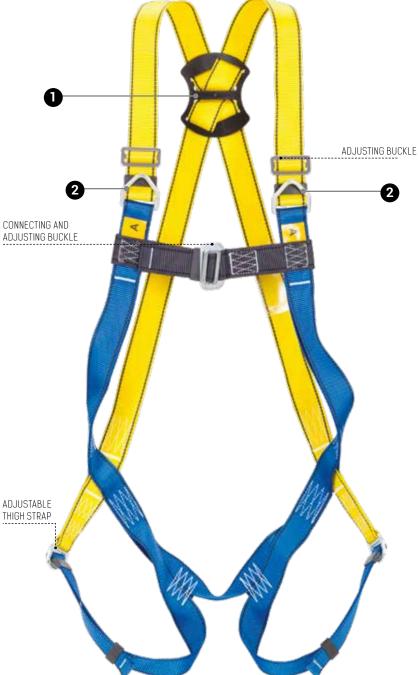
**RESCUE ATTACHMENT POINT** 

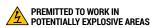


**EN 1497** Rescue attachment point

26

FULL BODY HARNESSES, PROTECTIVE CLOTHING







### **MANUFACTURE**

Webbing:	polyester 45 mm	
Buckles:	galvanized steel	
Threads:	polyester	

### **NUMBER OF ATTACHMENT POINTS**

WEIGHT



VERSION







M - XL 1050g XXL1200 g

### **DORSAL ATTACHMENT POINT**



**EN 361** Dorsal attachment D-ring

## FRONT ATTACHMENT POINT



**EN 361** Front attachment point



**EN 361** Ref. no.: **AB 140 03 C €** 



#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**











2X EN 361

VERSION	WEIGHT	
M – XL	1090g	
XXL	1240 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

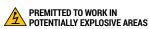
#### **DORSAL ATTACHMENT POINT**



Front attachment point



#### **SPECIAL FEATURES**





#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**











waist



VERSION	WEIGHT
M – XL	1530g
XXL	1750 g

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### DORSAL ATTACHMENT POINT



EN 361
Front attachment point

#### BELT



**EN 358**Work positioning belt with side attachment buckles



2

Ref. no.:

AB 150 01

# EN 361, EN 358 ADJUSTING BUCKLE CHEST STRAP ADJUSTABLE THIGH STRAP

#### **SPECIAL FEATURES**





#### **MANUFACTURE**

Webbing:	polyester 45 mm	
Buckles:	galvanized steel	
Threads:	polyester	

#### **NUMBER OF ATTACHMENT POINTS**







(€





VERSION	WEIGHT
M – XL	1640g
XXL	1790 g

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



Front attachment point



Work positioning belt with side attachment buckles

FULL BODY HARNESSES, PROTECTIVE CLOTHING



#### **MANUFACTURE**

Webbing: polyester 45 mm	
Buckles: galvanized steel	
Threads: polyester	

#### **NUMBER OF ATTACHMENT POINTS**











waist



VERSION	WEIGHT	
M – XL	1460 g	
XXL	1600 g	

#### **DORSAL ATTACHMENT POINT**



# **EN 361**Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361**Front attachment point



**EN 358**Work positioning belt with side attachment buckles



EN 361, EN 358

Ref. no.:

AB 151 01



#### **SPECIAL FEATURES**



Tested for maximum user's weight 140 kg



PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS



RESISTANCE TO FLAME IN ACCORDENCE WITH EN 358 P.4.1.5 STANDARD

#### **MANUFACTURE**

polyester 45 mm
automatic aluminium
polyester

#### **NUMBER OF ATTACHMENT POINTS**











( (

EN 361





EN 361

VERSION	WEIGHT	
M – XL	1600 g	
XXL	1680 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

FRONT ATTACHMENT POINT

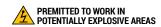


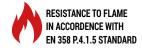
**EN 361**Front attachment point



**EN 358**Work positioning belt with side attachment buckles

#### **SPECIAL FEATURES**





#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	automatic aluminium
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**









EN 361

EN 361

3 waist

EN 358

VERSION	WEIGHT	
M – XL	1690 g	
XXL	1790 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361**Front attachment point



Work positioning belt with side attachment buckles

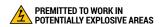


EN 361, EN 358

Ref. no.: **AB 151 02** 

# ELASTIC WEBBING ADJUSTING BUCKLE CHEST STRAP AL AUTOMATIC ALUMINIUM BUCKLE ADJUSTABLE THIGH STRAP

#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	automatic aluminium
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**









(€





VERSION	WEIGHT	
M – XL	1945 g	
XXL	2080 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



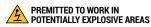
Front attachment point



Work positioning belt with side attachment buckles



#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	automatic aluminium
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**













VERSION	WEIGHT	
M – XL	2105 g	
XXL	2240 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361** Front attachment point



**EN 358** Work positioning belt with isolated side attachment buckles

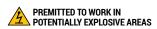


EN 361, EN 358

Ref. no.: AB 152 01

SOFT PADDING

### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**



ADJUSTING BUCKLE







(€







VERSION	WEIGHT	
M - XL	1650 g	
XXL	1750 g	

#### **DORSAL ATTACHMENT POINT**

#### FRONT ATTACHMENT POINT



Dorsal attachment D-ring





Front attachment point

SOFT PADDING



#### **BELT**



**EN 358** Work positioning belt with side attachment buckles

AL

AUTOMATIC **ALUMINIUM BUCKLE** ADJUSTABLE

THIGH STRAP

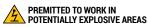
#### EN 361, EN 358

#### Ref. no.: AB 160 01





#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**











waist



VERSION	WEIGHT	
M – XL	1720 g	
XXL	1870 g	

#### **DORSAL ATTACHMENT POINT**



**EN 361** Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361** Front attachment point



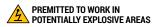
**EN 358** Work positioning belt with side attachment buckles



## EN 361, EN 358 Ref. no.: AB 160 02



#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**













VERSION	WEIGHT	
M – XL	1880 g	
XXL	1960 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361**Front attachment point



Work positioning belt with side attachment buckles

### EN 361, EN 358 Ref. no.: AB 161 01



#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**











waist



VERSION	WEIGHT	
M – XL	1880 g	
XXL	1960 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361**Front attachment point



**EN 358**Work positioning belt with side attachment buckles



EN 361, EN 358







#### **MANUFACTURE**

	Webbing:	polyester 45 mm
	Buckles:	galvanized steel
	Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**













	_
2145 g	
2300 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



Front attachment point

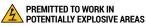


**EN 358**Work positioning belt with side attachment buckles

( ( EN 361, EN 358 Ref. no.: AB 161 02



#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm	
Buckles:	galvanized steel	
Threads:	polyester	

#### **NUMBER OF ATTACHMENT POINTS**









VERSION	WEIGHT	
M – XL	1880 g	
XXL	1960 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361** Front attachment point



**EN 358** Work positioning belt with side attachment buckles



# EN 361, EN 358 Ref. no.: AB 161 04 C €



#### **MANUFACTURE**

Webbing:	polyester 45 mm	
Buckles:	automatic aluminium	
Threads:	polyester	

#### **NUMBER OF ATTACHMENT POINTS**











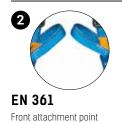


#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**BELT** 



Work positioning belt with side attachment buckles



#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**















EN 813

VERSION	WEIGHT	
M – XL	1660 g	
XXL	1760 g	

#### DORSAL ATTACHMENT POINT FRONT ATTACHMENT POINT



**EN 361** Dorsal attachment D-ring



**EN 361** Front attachment point

#### **BELT**



Work positioning belt with side attachment buckles



Attachment point for sit harness

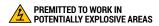


EN 361, EN 358, EN 813

Ref. no.: **AB 171 03** 

# ADJUSTING BUCKLE 3 AL AUTOMATIC ALUMINIUM BUCKLE ADJUSTABLE THIGH STRAF

#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	automatic aluminium
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**







EN 361

EN 358



4

sit harness

EN 813

 VERSION
 WEIGHT

 M - XL
 1720 g

 XXL
 1820 g

#### DORSAL ATTACHMENT POINT FRONT ATTACHMENT POINT

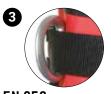


Dorsal attachment D-ring



Front attachment point

#### **BELT**



EN 358

Attachment point for sit harness



Attachment point for sit harness

#### EN 361, EN 358, EN 813, EN1497

Ref. no.: AB 171 05

2

### **SPECIAL FEATURES**





6

PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS



**Tested for maximum** user's weight 140 kg



ADAPTED TO COOPERATE WITH A TWO-POINT HITCH AT 300

#### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**



















AUTOMATIC **ALUMINIUM** BUCKLE

ADJUSTABLE THIGH STRAP



EN 1497

VERSION	WEIGHT	
M – XL	1780 g	
XXL	1890 g	

#### **DORSAL** ATTACHMENT POINT

#### **FRONT** ATTACHMENT POINT

ADJUSTING BUCKLE



**BELT** 

EN 358 Attachment point for sit harness

#### SIT HARNESS



**EN 813** Attachment point for sit harness



**EN 1497** Rescue attachment point









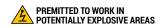
Dorsal attachment D-ring

**RESCUE ATTACHMENT PO** 

Ref. no.: **AB 171 02** 

# ADJUSTING BUCKLE ADJUSTING BUCKLE ADJUSTABLE THIGH STRAP

#### **SPECIAL FEATURES**



#### **MANUFACTURE**

#### **NUMBER OF ATTACHMENT POINTS**







(€



waist





sit harness



 VERSION
 WEIGHT

 M - XL
 1720 g

 XXL
 1820 g

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361**Front attachment point

#### BELT



Work positioning belt with side attachment buckles



**EN 813**Attachment point for sit harness



#### **SPECIAL FEATURES**





Tested for maximum user's weight 140 kg

#### **MANUFACTURE**

	Webbing:	polyester 45 mm
	Buckles:	automatic aluminium
	Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**











waist





sit harness



WEIGHT

M - XL 1780 g

XXL 1890 g

#### DORSAL ATTACHMENT POINT FRONT ATTACHMENT POINT

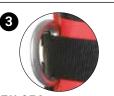


Dorsal attachment D-ring



Front attachment point

#### BELT



**EN 358**Work positioning belt with side attachment buckles

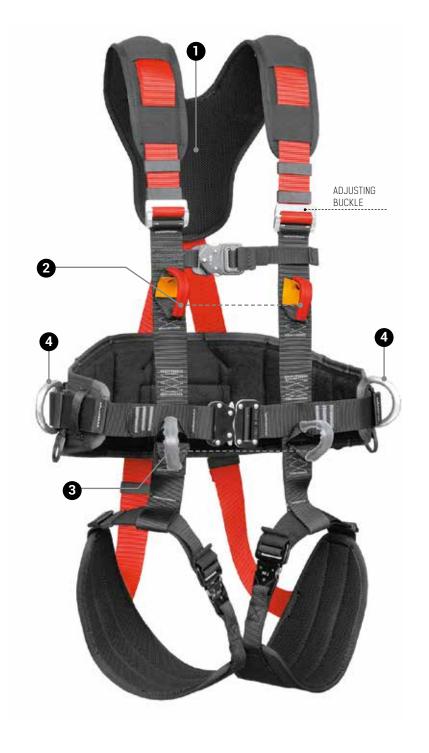


Attachment point for sit harness

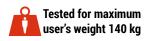


EN 361, EN 358, EN 813

Ref. no.: **AB 181 01** 



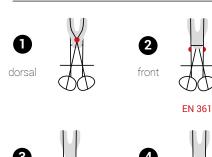
#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm	
Buckles:	automatic aluminium	
Threads:	polyester	

#### **NUMBER OF ATTACHMENT POINTS**







(€

 VERSION
 WEIGHT

 M - XL
 1890 g

 XXL
 1980 g

#### DORSAL ATTACHMENT POINT FRONT ATTACHMENT POINT



Dorsal attachment D-ring



Front attachment point

#### BELT



**EN 358**Work positioning belt with side attachment buckles



**EN 813**Attachment point for sit harness

EN 361, EN 358, EN 1497

Ref. no.:

AB 186 01







#### **SPECIAL FEATURES**



**Tested for maximum** user's weight 140 kg



#### **MANUFACTURE**

Webbing:	polyester 45 mm	
Buckles:	galvanized steel	
Threads:	polyester	

#### **NUMBER OF ATTACHMENT POINTS**











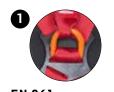






**VERSION** WEIGHT M - XL 1820 g XXL 1960 g

#### DORSAL ATTACHMENT POINT FRONT ATTACHMENT POINT



**EN 361** Dorsal attachment D-ring



**EN 361** Front attachment point



Work positioning belt with side attachment buckles

**RESCUE** ATTACHMENT POINT



EN 1497 Attachment point for sit harness





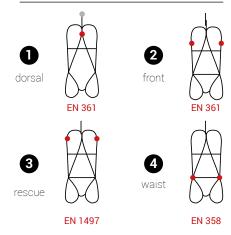
#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45mm
Buckles:	automatic aluminium galvanized steel
Threads:	polyester
	galvanized steel

#### **NUMBER OF ATTACHMENT POINTS**



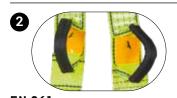
VERSION	WEIGHT	
M – XL	2540 g	
XXL	2750 g	

#### **DORSAL ATTACHMENT POINT**



Dorsal attachment D-ring

#### FRONT ATTACHMENT POINT



**EN 361**Front attachment point

#### RESCUE



EN 1497 Rescue loops

BELT



**EN 358**Work positioning belt with side attachment buckles

#### **DORSAL ATTACHMENT POINT**

ADJUSTABLE THIGH STRAP



**EN 361** Dorsal attachment D-ring

**FRONT ATTACHMENT POINT** 



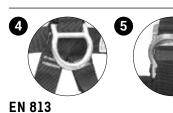
**EN 361** Front attachment point

WORK **POSITIONING** 



**EN 358** Work positioning belt with side attachment buckles

#### **SIT HARNESS**



Attachment point for sit harness

2

FULL BODY HARNESSES, PROTECTIVE CLOTHING

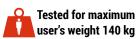
EN 361, EN 358, EN 813

Ref. no.:

AB 190 03

# ADJUSTING BUCKLE 3 ADJUSTABLE THIGH STRAP

#### **SPECIAL FEATURES**



#### **MANUFACTURE**

Webbing:	polyester 45 mm
Buckles:	galvanized steel
Threads:	polyester

#### **NUMBER OF ATTACHMENT POINTS**









(€











**DORSAL ATTACHMENT POINT** 



Dorsal attachment D-ring

**FRONT ATTACHMENT POINT** 



**EN 361** Front attachment point

WORK **POSITIONING** 



**EN 358** Work positioning belt with side attachment buckles

VERSION WEIGHT M - XL 1950 g XXL2030 g



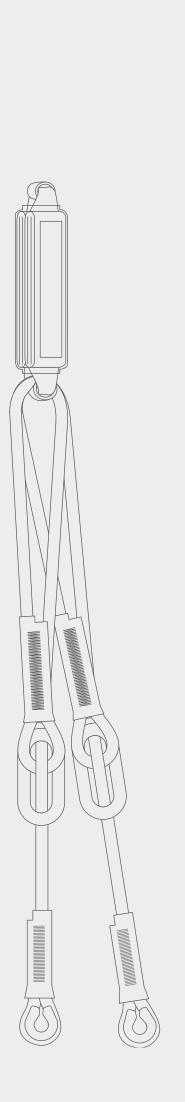


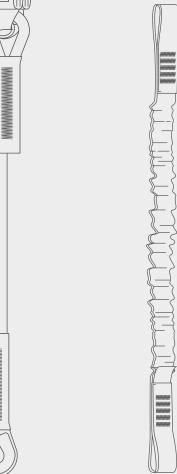


**EN 813** Attachment point for sit harness

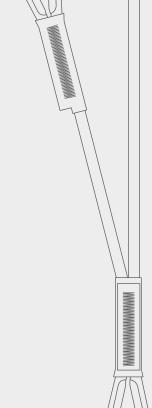


**ENERGY ABSORBERS AND LANYARDS** 









# **Energy absorbers and lanyards**

ABM - energy absorbers with lanyard

3 - 02

Lanyards

3 - 15



#### **EN 355** Ref. no.: BW201/LB100



#### **PARAMETERS**

#### **DEVICE STANDARD CONFIGURATIONS**

**NEW CONNECTOR AZ 029** 

2,0 m

2,0 m

2,0 m

2,0 m

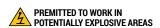
2,0 m

LANYARD	
Material:	polyester
Manufacture:	kernmantle lanyard
Diameter:	12 mm

#### **ENERGY ABSORBER**

Manufacture:	polyamide webbing
Dimensions:	300x40x50 mm

#### **SPECIAL FEATURES**





VG11 11.074 for use in the vertical where fall over the edge may



for profiles of radius r 0.5mm without





2





## Ref. BW200/LB100/2AZ002

Energy absorber ABM with lanyard LB 100 and connectors 2 x AZ 002 (galvanized steel, opening 19mm)



#### Ref. BW200/LB100/2AZ003

Energy absorber ABM with lanyard LB 100 and connectors 2 x AZ 003 (aluminium, opening 20mm)



#### Ref. BW200/LB100/AZ002/AZ029

Energy absorber ABM with lanyard LB 100 and connectors AZ 002 (galvanized steel, opening 19mm)
AZ 029 (galvanized steel, plastic, opening 50mm)



#### Ref. BW200/LB100/AZ003/AZ029

Energy absorber ABM with lanyard LB 100 and connectors AZ 003 (aluminium, opening 20mm) AZ 029 (galvanized steel, plastic, opening 50mm)



WITHOUT CONNECTORS

OTHER DEVICE CONFIGURATIONS ON SPECIAL REQUEST

Energy absorber ABM with adjustable lanyard LB 100

1,8 m

 $\epsilon$ **EN 355** Ref. no.: BW203/2LB100



#### **PARAMETERS**

#### **DEVICE STANDARD CONFIGURATIONS**

NEW CONNECTOR AZ 029

2,0 m

2,0 m

2,0 m

2 N m

2,0 m

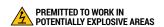
1,8 m

LANYARD	
Material:	polyester
Manufacture:	kernmantle lanyard
Diameter:	12 mm

#### **ENERGY ABSORBER**

Manufacture:	polyamide webbing
Dimensions:	200x32x45 mm

#### **SPECIAL FEATURES**

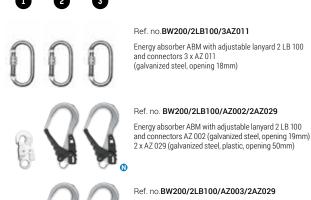




VG11 11.074 for use in the vertical where fall over the edge may occur



**R**≥**0,5 mm** for profiles of radius r 0.5mm without s≱arp edges





#### Ref. no.BW200/2LB100/AZ003/2AZ029

Energy absorber ABM with adjustable lanyard LB 100 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)



#### Ref. no. BW200/2LB100/AZ002/2AZ025

Energy absorber ABM with adjustable lanyard 2 LB 100 and connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 025 (galvanized steel, opening 83mm)



#### Ref. no. BW200/2LB100/AZ003/2AZ024

Energy absorber ABM with adjustable lanyard LB 100 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 024 (aluminium, opening 100mm)

nr kat. BW200/2LB100

Energy absorber ABM with adjustable safety lanyard 2 WITHOUT CONNECTORS



(€ **EN 355** Ref. no.: BW211/LB121



#### **PARAMETERS**

#### **SPECIAL FEATURES**

LANYARD	
Material:	polyester
Manufacture:	kernmantle lanyard
Diameter:	12 mm
Diameter: ENERGY ABSORE	

#### **DEVICE STANDARD CONFIGURATIONS**

2

**NEW CONNECTOR AZ 029** 

PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS



#### Ref. no. BW200/LB121/2AZ011

Energy absorber ABM with lanyard LB 121 and connectors 2 x AZ 011 (galvanized steel, opening 18mm)

2,0 m



Ref. no. BW200/LB121/2AZ002

Energy absorber ABM with lanyard LB 121 and connectors 2 x AZ 002 (galvanized steel, opening 19mm)

2,0 m





#### Ref. no. BW200/LB121/2AZ003

Energy absorber ABM with lanyard LB 121 and connectors 2 x AZ 003 (aluminium, opening 20mm)

2,0 m



Ref. no. BW200/LB121/AZ002/AZ029

Energy absorber ABM with lanyard LB 121 and connectors AZ 002 (galvanized steel, opening 19mm) AZ 029 (galvanized steel, plastic, opening 50mm)

2,0 m



#### Ref. no. BW200/LB121/AZ003/AZ029

Energy absorber ABM with lanyard LB 121 and connectors AZ 003 (aluminium, opening 20mm) AZ 029 (galvanized steel, plastic, opening 50mm)

2,0 m

#### Ref. no. BW200/LB121

Energy absorber ABM with lanyard LB 121 WITHOUT CONNECTORS

1,8 m

**EN 355** 

Ref. no.: **BW212/LB122** 

**NEW CONNECTOR AZ 029** 

2,0 m

2,0 m

2,0 m

2,0 m

2,0 m

1,8 m



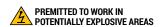
#### **PARAMETERS**

LANYARD	
Material:	polyester
Manufacture:	kernmantle lanyard
Diameter:	12 mm

#### **ENERGY ABSORBER**

Manufacture:	polyamide webbing
Dimensions:	200x32x45 mm

#### **SPECIAL FEATURES**



#### **DEVICE STANDARD CONFIGURATIONS**

3 Ref. no. BW200/LB122/3AZ011

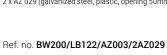


Energy absorber ABM with lanyard LB 122 and connectors 3 x AZ 011 (galvanized steel, opening 18mm)



Ref. no. BW200/LB122/AZ002/2AZ029

Energy absorber ABM with lanyard LB 122 and connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)



Energy absorber ABM with lanyard LB 122 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)



#### Ref. no. BW200/LB122/AZ002/2AZ025

Energy absorber ABM with lanyard LB 122 and connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 025 (galvanized steel, opening 83mm)

Ref. no. BW200/LB122/AZ003/2AZ024 Energy absorber ABM with lanyard LB 122 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 024 (aluminium, opening 100mm)

		1
A	8	8
O	C	O

Ref. no. BW200/LB122

Energy absorber ABM with lanyard LB 122 WITHOUT CONNECTORS



### ABM/LB200 FLR

# Heat-resistant energy absorber with adjustable lanyard



#### **PARAMETERS**

#### **DEVICE STANDARD CONFIGURATIONS**

**10** NEW CONNECTOR AZ 029

LANYARD	
Material:	aramid
Manufacture:	aramid kernmantle lanyard
Diameter:	11,4 mm

#### **ENERGY ABSORBER**

Manufacture:	polyamide webbing	
Dimensions:	200x32x45 mm	





#### Ref. no. BW200/LB200FLR/2AZ011

Energy absorber ABM with lanyard LB 200 FLR and connectors 2 x AZ 002 (galvanized steel, opening 19mm)

2,0 m



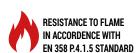
### Ref

#### Ref. no. BW200/LB200FLR/2AZ002

Energy absorber ABM with lanyard LB 200 FLR and connectors 2 x AZ 002 (galvanized steel, opening 19mm)

2,0 m

#### **SPECIAL FEATURES**







#### Ref. no. BW200/LB200FLR/2AZ003

Energy absorber ABM with lanyard LB 200 FLR and connectors 2 x AZ 003 (aluminium, opening 20mm)

2,0 m





#### Ref. no. BW200/LB200FLR/AZ002/AZ029

Energy absorber ABM with lanyard LB 200 FLR and connectors AZ 002 (galvanized steel, opening 19mm) AZ 029 (galvanized steel, plastic, opening 50mm)

2,0 m





#### Ref. no. BW200/LB200FLR/AZ003/AZ029

Energy absorber ABM with lanyard LB 200 FLR and connectors AZ 003 (aluminium, opening 20mm) AZ 029 (galvanized steel, plastic, opening 50mm)

2,0 m



Energy absorber ABM with lanyard LB 200 FLR WITHOUT CONNECTORS

1,8 m

## ABM/LB201 FLR

# Heat-resistant energy absorber with adjustable lanyard

EN 355 Ref. no.: BW217/LB201 FLR C €

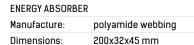


#### **PARAMETERS**

#### **DEVICE STANDARD CONFIGURATIONS**

NEW CONNECTOR AZ 029

Material:	aramid
Manufacture:	aramid kernmantle lanyard
Diameter:	11,4 mm















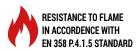


#### Ref. no. BW200/LB201FLR/2AZ002

Energy absorber ABM with lanyard LB 200 FLR and connectors  $2 \times AZ$  002 (galvanized steel, opening 19mm)

2,0 m

#### **SPECIAL FEATURES**







#### Ref. no. BW200/LB201FLR/2AZ003

Energy absorber ABM with lanyard LB 200 FLR and connectors 2 x AZ 003 (aluminium, opening 20mm)

2,0 m





#### Ref. no. BW200/LB201FLR/AZ002/AZ029

Energy absorber ABM with lanyard LB 200 FLR and connectors AZ 003 (aluminium, opening 20mm) AZ 029 (galvanized steel, plastic, opening 50mm)

2,0 m





#### Ref. no. BW200/LB201FLR/AZ003/AZ029

Energy absorber ABM with lanyard LB 200 FLR and connectors AZ 003 (aluminium, opening 20mm) AZ 029 (galvanized steel, plastic, opening 50mm)

2,0 m



Energy absorber ABM with lanyard LB 200 FLR WITHOUT CONNECTORS

1,8 m



**NEW CONNECTOR AZ 029** 

2,0 m

2,0 m

2,0 m

2,0 m

1,8 m

#### (€ **EN 355** Ref. no.: BW218/2LB202 FLR



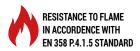
#### **PARAMETERS**

LANYARD	
Material:	aramid
Manufacture:	aramid kernmantle lanyard
Diameter:	11,4 mm

#### **ENERGY ABSORBER**

Manufacture:	polyamide webbing	
Dimensions:	200x32x45 mm	

#### **SPECIAL FEATURES**



#### **DEVICE STANDARD CONFIGURATIONS**

# Ref. no. BW200/LB202/3AZ011





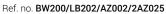
Ref. no. BW200/LB202/AZ002/2AZ029 Energy absorber ABM with lanyard LB 202 and connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)



#### Ref. no. BW200/LB202/AZ003/2AZ029

Energy absorber ABM with lanyard LB 202 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)





2 x AZ 025 (galvanized steel, opening 83mm)



Ref. no. BW200/LB202 Energy absorber ABM with adjustable twin-tail lanyard LB 202 WITHOUT CONNECTORS

OTHER DEVICE CONFIGURATIONS ON SPECIAL REQUEST

2,0 m

# ABM/2LB200 FLR

# Heat-resistant energy absorber with adjustable twin-tail lanyard



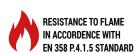
#### **PARAMETERS**

#### **DEVICE STANDARD CONFIGURATIONS**

**NEW CONNECTOR AZ 029** 

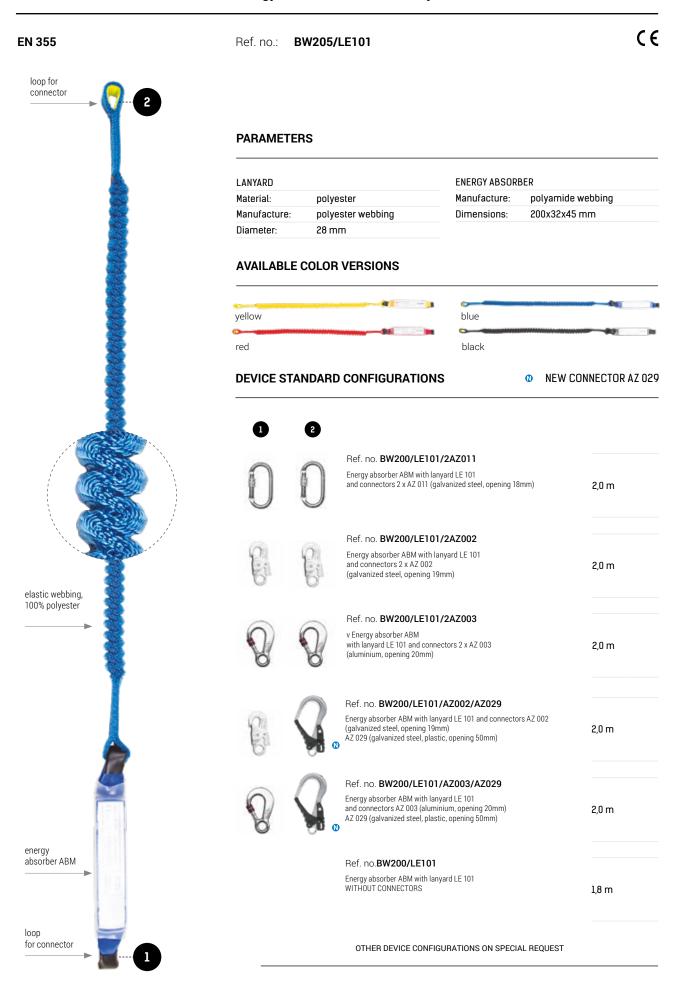
LANYARD	
Material:	aramid
Manufacture:	aramid kernmantle lanyard
Diameter:	11,4 mm
ENERGY ABSORB	ER
ENERGY ABSORB	ER polyamide webbing

#### **SPECIAL FEATURES**

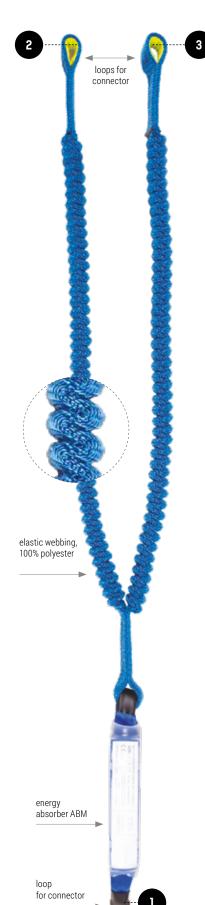


0 0 0		
000	Ref. no. <b>BW200/2LB200/3AZ011</b> Energy absorber ABM with adjustable twin-tail lanyard 2 LB 200 and connectors 3 x AZ 011 (galvanized steel, opening 18mm)	2,0 m
	Ref. no. BW200/2LB200/AZ002/2AZ029	
	Energy absorber ABM with lanyard 2 LB 200 and connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)	2,0 m
	D-f DW000/01 D000/A7000/047000	
	Ref. no. BW200/2LB200/AZ003/2AZ029 Energy absorber ABM with lanyard 2 LB 200 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)	2,0 m
	D ( DW000 (0) D000 (47000 (04700	
	Ref. no. BW200/2LB200/AZ002/2AZ025 Energy absorber ABM with lanyard 2 LB 200 and connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 025 (galvanized steel, opening 83mm)	2,0 m
2 2	D ( DW000 (0) D000 (47000 (04700 4	
8	Ref. no. BW200/2LB200/AZ003/2AZ024 Energy absorber ABM with lanyard 2 LB 200 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 024 (aluminium, opening 100mm)	2,0 m
	Ref. no. <b>BW200/2LB200</b>	
	Energy absorber ABM with adjustable twin-tail lanyard 2 LB 200 WITHOUT CONNECTORS	1,8 m





#### ( ( EN 355 BW206/2LE101 Ref. no.:



#### **PARAMETERS**

LANYARD		ENERGY ABSORBER	
Material:	polyester	Manufacture:	polyamide webbing
Manufacture:	polyester webbing	Dimensions:	200x32x45 mm
Diameter:	28 mm		

#### **AVAILABLE COLOUR VERSIONS**



#### **DEVICE STANDARD CONFIGURATIONS**

**NEW CONNECTOR AZ 029** 

DEVICE	STANL	JAKD CUN	NEW CUN	INECTUR AZ UZ
0	2	3		
			Ref. no. <b>BW200/2LE101/3AZ011</b>	
	0	0	Energy absorber ABM with twin-tail lanyard 2 LE 101 and connectors 3 x AZ 011 (galvanized steel, opening 18mm)	2,0 m
			Ref. no. <b>BW200/2LE101/AZ002/2AZ029</b>	
0.5	V		Energy absorber ABM with twin-tail lanyard 2 LE 101 and connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)	2,0 m
	-	_		
Q			Ref. no.BW200/2LE101/AZ003/2AZ029  Energy absorber ABM with twin-tail lanyard 2 LE 101 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)	2,0 m
	_	_		
6:50	0		Ref. no.BW200/2LE101/AZ002/2AZ025 Energy absorber ABM with twin-tail lanyard 2 LE 101 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 024 (aluminium, opening 100mm)	2,0 m
	-		D ( DW000/01/5101/A7000/047004	
Q	8		Ref. no. <b>BW200/2LE101/AZ003/2AZ024</b> Energy absorber ABM with twin-tail lanyard 2 LE 101 and connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 024 (aluminium, opening 100mm)	2,0 m
			Def DW000 (01 51 01	
			Ref. no. <b>BW200/2LE101</b> Energy absorber ABM with twin-tail lanyard 2 LE 101	

Energy absorber ABM with twin-tail lanyard 2 LE 101 WITHOUT CONNECTORS

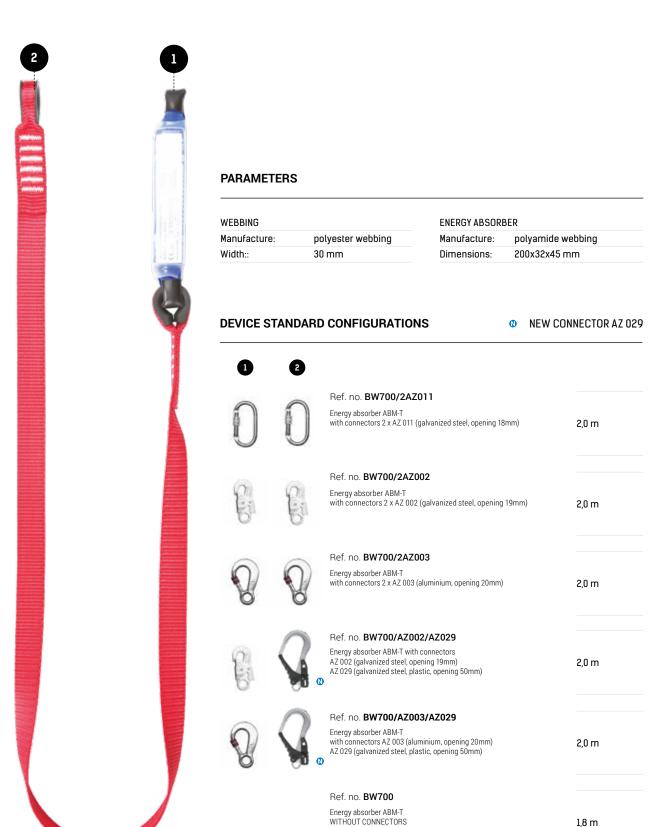
1,8 m



**EN 355** 

BW700

Ref. no.:



( ( **EN 355** Ref. no.: BW800



#### **PARAMETERS**

#### **DEVICE STANDARD CONFIGURATIONS**

NEW CONNECTOR AZ 029

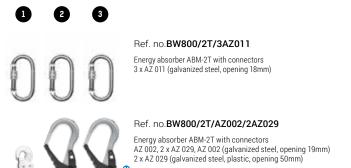
2,0 m

2,0 m

WEBBING	
Manufacture:	polyester webbing
Width::	30 mm

## **ENERGY ABSORBER**

Manufacture:	polyamide webbing
Dimensions:	200x32x45 mm





#### Ref. no.BW800/2T/AZ003/2AZ029

Energy absorber ABM-2T with connectors AZ 003, 2 x AZ 029, AZ 003 (aluminium, opening 20mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm) 2,0 m



#### Ref. no.**BW800/2T/AZ002/2AZ025**

Energy absorber ABM-2T with connectors ABM-2T AZ 002 (galvanized steel, opening 19mm)





AZ 003 (aluminium, opening 20mm) 2 x AZ 024 (aluminium, opening 100mm)

#### Ref. no.BW800/2T

Energy absorber ABM-2T WITHOUT CONNECTORS

1,8 m



**EN 355** 

Ref. no.: **BW 200** 

( (

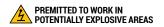
3



#### **PARAMETERS**

Manufacture:	polyamide webbing
Dimensions:	200x32x45 mm
Weight:	160 g

#### **SPECIAL FEATURES**



#### **DEVICE STANDARD CONFIGURATIONS**

NEW CONNECTOR AZ 029





#### Ref. no. **BW200/AZ011**

Energy absorber ABM with connector AZ 011 (galvanized steel, opening 18mm)



#### Ref. no. **BW200/AZ002**

Energy absorber ABM with connector AZ 002 (galvanized steel, opening 19mm)



#### Ref. no. **BW200/AZ003**

Energy absorber ABM with connector AZ 003 (aluminium, opening 20mm)



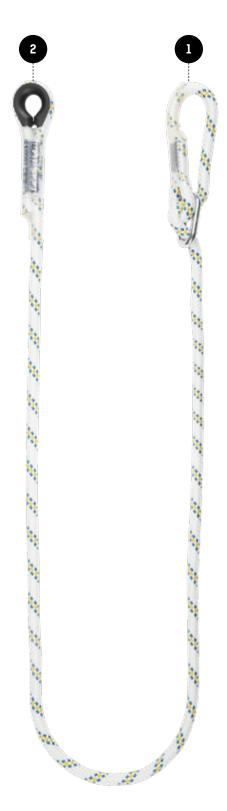


#### nr kat. BW200/AZ029

Energy absorber ABM with connector AZ 029 (galvanized steel, plastic, opening 50mm)

nr kat. **BW200** 

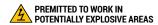
Energy absorber ABM WITHOUT CONNECTORS



#### **PARAMETERS**

Material:	polyester
Manufacture:	kernmantle lanyard
Diameter:	12 mm

#### **SPECIAL FEATURES**



#### **DEVICE STANDARD CONFIGURATIONS**

0 NEW CONNECTOR AZ 029



0











1,4 m

1,4 m





Ref. no. LB100/2AZ002 Adjustable lanyard LB 100 with connectors 2 x AZ 002 (galvanized steel, opening 19mm)

1,6 m 1,9 m 2,0 m

3

**ENERGY ABSORBERS AND LANYARDS** 





Ref. no. LB100/2AZ003

Adjustable lanyard LB 100 with connectors 2 x AZ 003 (aluminium, opening 20mm)

1,4 m 1,6 m 1,9 m 2,0 m





Ref. no. LB100/AZ002/AZ029

1,4 m Adjustable lanyard LB 100 with connectors AZ 1,6 m 002 (galvanized steel, opening 18mm) AZ 029 (galvanized steel, plastic, opening 1,9 m 2,0 m





Ref. no. LB100/AZ003/AZ029

1,4 m Adjustable lanyard LB 100 with connectors AZ 1,6 m 003 (aluminium, opening 20mm) 1,9 m AZ 029 (galvanized steel, plastic, opening 50mm) 2,0 m

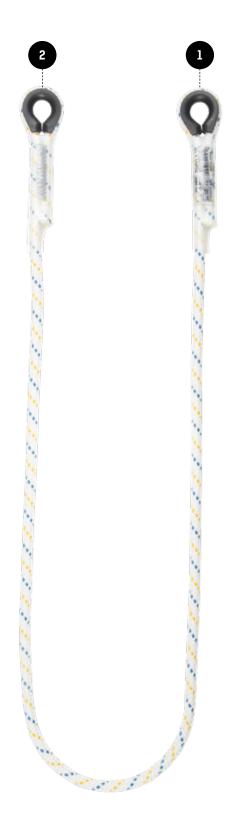
Ref. no. **LB100** 1,4 m Adjustable lanyard LB 100 WITHOUT CONNECTORS 1,6 m 1,9 m 2,0 m

3

EN 354, EN 358

Ref. no.: LB 101

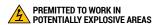




#### **PARAMETERS**

Material:	polyester
Manufacture:	kernmantle lanyard
Diameter:	10,5 mm

#### **SPECIAL FEATURES**



#### **DEVICE STANDARD CONFIGURATIONS**

NEW CONNECTOR AZ 029







Ref. no. **B101/2AZ011** 

Lanyard LB 101 with connectors 2 x AZ 011 (galvanized steel, opening 18mm)

1,6 m 1,9 m 2,0 m

1,4 m





Ref. no. **LB101/2AZ002** 

Lanyard LB 101 with connectors 2 x AZ 002 (galvanized steel, opening 19mm)

1,4 m 1,6 m 1,9 m

2,0 m





Ref. no. LB101/2AZ003

Lanyard LB 101 with connectors 2 x AZ 003 (aluminium, opening 20mm)

1,4 m 1,6 m 1,9 m

nr kat. LB101/AZ002/AZ029

1,4 m 1,6 m 1,9 m

2,0 m

1,4 m

1,6 m 1,9 m 2,0 m

2,0 m





Ref. no. LB101/AZ003/AZ029

Lanyard LB 101 with connectors AZ 002

(galvanized steel, opening 18mm)
AZ 029 (galvanized steel, plastic, opening

Lanyard LB 101 with connectors AZ 003 (aluminium, opening 20mm)
AZ 029 (galvanized steel, plastic, opening 50mm)

Ref. no. **LB101** Lanyard LB 101 WITHOUT CONNECTORS

1,4 m 1,6 m 1,9 m

2,0 m

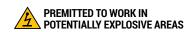
**EN 354** 

Ref. no.: LB 102

#### **PARAMETERS**

Material:	polyester
Manufacture:	kernmantle lanyard
Diameter:	10,5 mm

#### **SPECIAL FEATURES**



#### **DEVICE STANDARD CONFIGURATIONS**

NEW CONNECTOR AZ 029





Twin-tail lanyard LB 102 with connectors 3 x AZ 011 (galvanized steel, opening 18mm)

1,6+1,6 m 1,9+1,9 m 2,0+2,0 m

1,4+1,4 m



Ref. no. LB102/AZ002/2AZ029
Twin-tail lanyard LB 102

Twin-tail lanyard LB 102 with connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm)

1,4+1,4 m 1,6+1,6 m 1,9+1,9 m 2,0+2,0 m



Ref. no. **LB102/AZ003/2AZ029** 

Twin-tail lanyard LB 102 with connectors AZ 003 (aluminium, opening 20mm) 1,9+1,9 m 50mm) 2 x AZ 029 (galvanized steel, plastic, opening 50mm) 2 0+2 0 m

1,4+1,4 m 2 1,6+1,6 m ng 1,9+1,9 m 2,0+2,0 m



Ref. no. LB102/AZ002/2AZ025

Twin-tail lanyard LB 102 with connectors AZ 002 (galvanized steel, opening 19mm) 2 x AZ 025 (galvanized steel, opening 83mm)

1,4+1,4 m 1,6+1,6 m 1,9+1,9 m 2,0+2,0 m

1,4+1,4 m

1,6+1,6 m



Ref. no. **LB102/AZ003/2AZ024** 

Twin-tail lanyard LB 102 with connectors AZ 003 (aluminium, opening 20mm) 2 x AZ 024 (aluminium, opening 100mm)

Ref. no. **LB102** 

Twin-tail lanyard LB 102

WITHOUT CONNECTORS

1,9+1,9 m 2,0+2,0 m 1,4+1,4 m 1,6+1,6 m 1,9+1,9 m

2,0+2,0 m

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OTHER DEVICE CONFIGURATIONS ON SPECIAL REQUEST

3

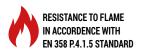


#### **PARAMETERS**

Material:	aramid
Manufacture:	aramid kernmantle lanyard
Diameter:	11,4 mm

#### **SPECIAL FEATURES**





#### **DEVICE STANDARD CONFIGURATIONS**

**NEW CONNECTOR AZ 029** 

1.4 m

1,6 m

1,9 m 2,0 m

1,4 m

1,6 m

1,9 m

2,0 m

1,4 m

1,6 m

1,9 m 2,0 m

1,4 m

1,6 m

1,9 m 2,0 m

1,4 m

1,6 m

1,9 m

2,0 m

14 m 1,6 m 1,9 m 2,0 m

0	0
Ã)	15
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2













Ref. no. LB200FLR/2AZ003 Adjustable lanyard LB 200 FLR with connectors 2 x AZ 003 (aluminium, opening 20mm)









Ref. no. <b>LB200FLR</b>	
djustable lanyard LB 200 FLR VITHOUT CONNECTORS	

## **DEVICE STANDARD CONFIGURATIONS**

**NEW CONNECTOR AZ 029** 

1,4 m

1,6 m 1,9 m

2,0 m

1,4 m

1,6 m

1,9 m

2,0 m

1,4 m

1,6 m

1,9 m 2,0 m

1,4 m

1,6 m

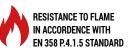
1,9 m 2,0 m

1,4 m 1,6 m 1,9 m 2,0 m

Material:	aramid
Manufacture:	aramid kernmantle lanyard
Diameter:	11,4 mm

#### **SPECIAL FEATURES**

















Ref. no. LB201FLR/AZ002/AZ029 Adjustable lanyard LB 201 FLR with connectors AZ 002 (galvanized steel, opening 19mm) AZ 029 (galvanized steel, plastic, opening 50mm)

)	Q		Ref. no. <b>L</b> Adjustable la (aluminium, AZ 029 (galv
	90	0	AZ 029 (galv

ef. no. <b>LB201FLR/AZ003/AZ029</b>
djustable lanyard LB 201 FLR with connectors AZ 00: luminium, opening 20mm) Z 029 (galvanized steel, plastic, opening 50mm)

Ref. no. LB201FLR	1,4 m
Adjustable lanyard LB 201 FLR WITHOUT CONNECTORS	1,6 m
	1,9 m
	2,0 m





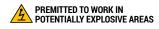
EN 354 Ref. no.: **LB 202 FLR** 

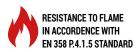
## **PARAMETERS**



Material:	aramid
Manufacture:	aramid kernmantle lanyard
Diameter:	11,4 mm

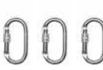
#### **SPECIAL FEATURES**





#### **DEVICE STANDARD CONFIGURATIONS**

NEW CONNECTOR AZ 029



Ref. no. LB202FLR/3AZ011

Twin-tail lanyard LB 202 FLR with connectors 3 x 1,6+1,6 m AZ 011 (galvanized steel, opening 18mm)

1,4+1,4 m 1,9+1,9 m 2,0+2,0 m



Ref. no. **LB202FLR/AZ002/2AZ029** 1,4+1,4 m

Twin-tail lanyard LB 202 FLR with connectors AZ 1,6+1,6 m 002 (galvanized steel, opening 19mm)  $2\,\mathrm{x}\,\mathrm{AZ}\,029$  (galvanized steel, plastic, opening

1,9+1,9 m 2,0+2,0 m



Ref. no. **LB202FLR/AZ003/2AZ029** 1,4+1,4 m

Twin-tail lanyard LB 202 FLR with connectors 1,6+1,6 m AZ 003 (aluminium, opening 20mm)
2 x AZ 029 (galvanized steel, plastic, opening 1,9+1,9 m 50mm)

2,0+2,0 m

Ref. no. LB202FLR/AZ002/2AZ025 1,4+1,4 m

Twin-tail lanyard LB 202 FLR with connectors AZ 1,6+1,6 m 002 (galvanized steel, opening 18mm) 2 x AZ 025 (galvanized steel, opening 83mm)

1,9+1,9 m 2,0+2,0 m



Ref. no. LB202FLR/AZ003/2AZ024 1,4+1,4 m

Twin-tail lanyard LB 202 FLR with connectors 1,6+1,6 m AZ 003 (aluminium, opening 20mm) 2 x AZ 024 (aluminium, opening 100mm)

1,9+1,9 m 2,0+2,0 m

Ref. no. LB202FLR

Twin-tail lanyard LB 202 FLR WITHOUT CONNECTORS

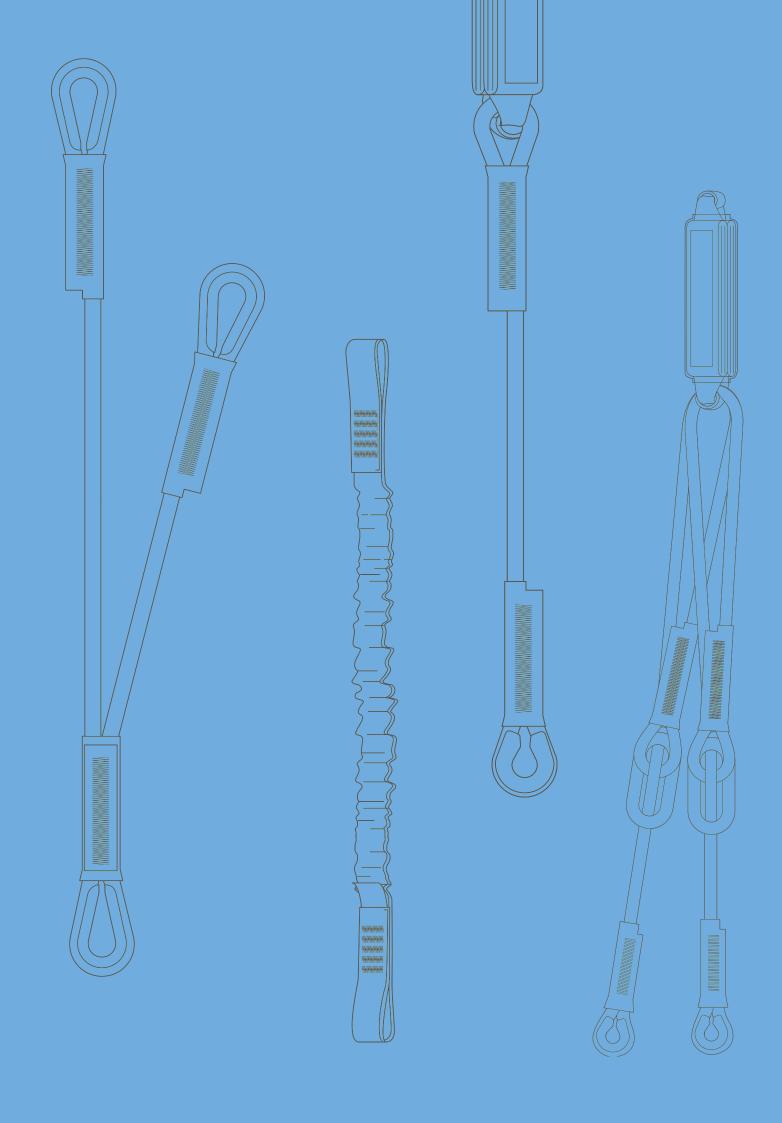
1,4+1,4 m 1,6+1,6 m 1,9+1,9 m 2,0+2,0 m

OTHER DEVICE CONFIGURATIONS ON SPECIAL REQUEST

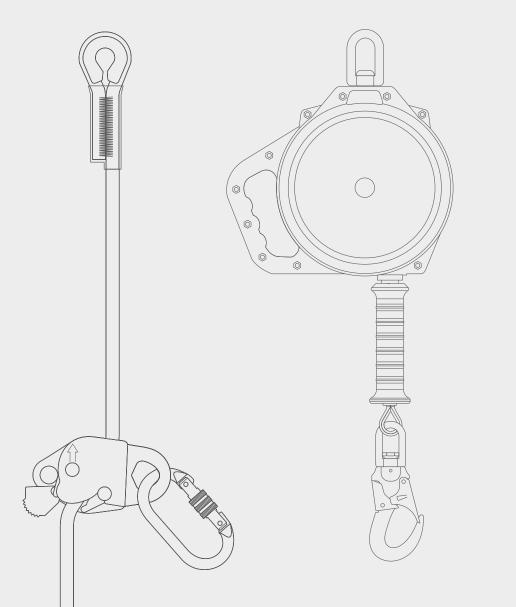
**ARAMID** 

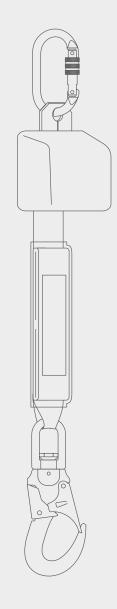
**LANYARD** 

**KERNMANTLE** 









# Retractable type and guided type fall arresters

Retractable type fall arresters	4 - 2
Guards for retractable type fall arresters	4 <b>- 17</b>
Roof lanyard	4 - 18
Guided type fall arresters	4 - 19





**PARAMETERS** 

Working length: max. 2250 mm Dimensions: 96 x 98 x 320 mm Weight: 1180 g

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Retractable type fall arrester AH 210 with expandable textile webbing in a new, strong ABS cover with connectors AZ 011 and AZ 002AS. Locking mechanism inside the impact-resistant cover. The device is intended for works requiring mobility in respect to attachment point. Energy absorber is not required.

The ROLEX 1 retractor is a component of personal fall protection equipment.

REF. NO.:

AH 210

Tested for maximum user's weight 140 kg

Ter For vertical use



## **ROLEX 2**

#### Webbing retractor



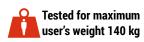
#### **PARAMETERS**

Working length:	max. 2250 mm
Dimensions:	96 x 98 x 320 mm
Weight:	1500 g

Retractable type fall arrester AH 220 with expandable textile webbing in a new, strong ABS cover with connectors AZ 022 and AZ 002AS. Locking mechanism inside the impact-resistant cover. The device is intended for works requiring mobility in respect to attachment point. Energy absorber is not required. Maximum user's weight is 140 kg.

The ROLEX 2 retractor is a component of personal fall protection equipment.

#### **SPECIAL FEATURES**







. NO.:		
220		

ΑН

## CR 250 VERTICAL

## Self-locking device for vertical operation

NEW

EN 360 VG11.062 Ref. no.: CR 250V



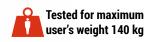
CR 250V self-locking device for vertical operation in a plastic casing with a pull-down steel rope and a swivel mounted in the casing. The device is designed for work requiring significant displacement in relation to the point of attachment. No need to use a shock absorber.

The CR 250V self-locking device is a component of individual fall protection equipment.

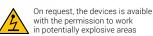
#### **AVAILABLE COLOURS**



#### **SPECIAL FEATURES**









#### **PARAMETERS**

# RECOMMENDED HOOKS: AZ002ASI, AZ030I, AZ060.

Material:	composite housing, galvanized steel / stainless
Dimensions:	270 x 260 x 90 mm
Static strength:	min. 12 kN
Diameter of the cable:	4 mm (galvanized steel)



REF. NO.::	CABLE LENGTH	WEIGHT
CR 250V 06 X	6 m	3,92 kg
CR 250V 10 X	10 m	4,20 kg
CR 250V 12 X	12 m	4,70 kg
CR 250V 15 X	15 m	4,90 kg



# CR 250 Horizontal + Vertical and horizontal operation

**NEW** 

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EN 360 VG11.060 VG11.062

Ref. no.: **CR 250H V** 





CR 250H + V self-locking device for vertical and horizontal operation in a plastic casing with a pull-down steel rope and a swivel mounted in the casing. The device has an additional shock-absorbing system located near the snap-hook. It is intended for work requiring considerable displacement in relation to the point of attachment. No need to use a safety shock absorber. No need to use AZ 800 cable when working horizontally.

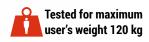
#### The CR 250H V self-locking device is a component of individual fall protection equipment.



#### **AVAILABLE COLOURS**



#### **SPECIAL FEATURES**









### **PARAMETERS**

#### **RECOMMENDED HOOKS:** AZ002ASI, AZ030I, AZ060.

Material: composite housing, galvanized steel / stainless		ainless		
Dimensions:	270 x 260 x 90 mm			
Static strength:	min. 12 kN	min. 12 kN		
Diameter of the cable:	4 mm (galvanized st	4 mm (galvanized steel)		
255 110	0.00 5 1 5 1 5 1 5 1			
REF. NO.::	CABLE LENGTH	WEIGHT		
CR 250H V 06 X	6 m	4,80 kg		
CR 250H V 08 X	8 m	5,00 kg		
CR 250H V 11 X	11 m	5,50 kg		

RETRACTABLE TYPE AND GUIDED TYPE FALL ARRESTERS

EN 360 Ref. no.: CR 220



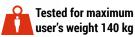
Retractable type fall arrester CR 220 with expandable stainless steel 5mm cable. Mechanism is made of stainless steel and enclosed in plastic cover. The device is intended for works requiring significant mobility in respect to attachment point. Energy absorber is not required.

Retractable type fall arrester CR 220 is a component of personal fall protection equipment.

#### **PARAMETERS**

Cable diameter:	5 mm
Maximum user's weight::	140 kg

#### SPECIAL FEATURES







On request, the devices is avaible with the permission to work in potentially explosive areas



REF. NO.:	CABLE LENGTH	WEIGHT
CR 220 06	6 m	5,10 kg
CR 220 10	8 m	5,30 kg
CR 220 12	11 m	5,90 kg



EN 360 Ref. no.: CR 240



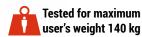
Retractable type fall arrester CR 240 with expandable steel cable in plastic cover. Fitted with a comfortable side handle. Cable diameter is 4mm. The device is intended for works requiring significant mobility in respect to attachment point. Energy absorber is not required.

Retractable type fall arrester CR 240 is a component of personal fall protection equipment.

#### **PARAMETERS**

Cover:	plastic
Manufacture:	galvanized steel
Cable diameter:	4 mm

#### **SPECIAL FEATURES**









REF. NO.:	CABLE LENGTH	WEIGHT
CR 240 06	6 m	4,10 kg
CR 240 10	10 m	4,35 kg
CR 240 12	12 m	4,90 kg
CR 240 15	15 m	5,10 kg

4

( ( **EN 360** Ref. no.: CR 241



Retractable type fall arrester CR 241 with expandable steel cable in plastic cover. Fitted with a comfortable side handle. Cable diameter is 4mm. The device is intended for works requiring significant mobility in respect to attachment point. Energy absorber is not required. The arrester is equipped with fixed connector AZ 022.

Retractable type fall arrester CR 241 is a component of personal fall protection equipment.

#### **SPECIAL FEATURES**



**Tested for maximum** user's weight 140 kg







#### **PARAMETERS**

Cover:	plastic		
Manufacture:	galvanized ste	eel	
Cable diameter:	4 mm		
REF. NO.:		CABLE LENGTH	WEIGHT
CR 241 06		6 m	4,60 kg
CR 241 10		10 m	4,85 kg
CR 241 12		12 m	5,10 kg
CR 241 15		15 m	5,70 kg



EN 360 Ref. no.: CR 245



Retractable type fall arrester CR 245 with expandable steel cable in plastic cover. Equipped with stainless steel swivel. Fitted with a comfortable side handle. Cable made of stainless steel of 5mm dia. The device is intended for works requiring significant mobility in respect to attachment point. Energy absorber is not required. Retractable type fall arrester CR 245 is a component of personal fall protection equipment.

REF. NO.::	CABLE LENGTH	WEIGHT
CR 245 06	6 m	4,12 kg
CR 245 08	8 m	4,25 kg
CR 245 11	11 m	4,45 kg

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RETRACTABLE TYPE AND GUIDED TYPE FALL ARRESTERS

Retractable type fall arrester CR 300 with expandable galvanized steel 4mm cable. The device is intended for works requiring significant mobility in respect to attachment point. Energy absorber is not required. The device is tested and approved for working on flat roofs in combination with roof lanyard AZ 800.

Retractable type fall arrester CR 300 is a component of personal fall protection equipment.

#### **SPECIAL FEATURES**

Ref. no.: CR 300

On request, the devices is avaible with the permission to work in potentially explosive areas







#### **PARAMETERS**

Cable diam	Cable diameter: 4 mm		
Maximum (	user's weight::		140 kg
REF. NO.:.:	CABLE LENGTH	WEIGHT	
CR 300 18	18 m	11,10 kg	
CR 300 20	20 m	11,25 kg	
CR 300 25	25 m	11,50 kg	
CR 300 28	28 m	11,65 kg	

## **WR 100**

#### Retractable type fall arrester

**EN 360** 

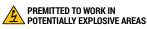


Ref. no.: **WR 100** 

Retractable type fall arrester WR 100 with connectors AZ 011 and AZ 002ASI, fitted with expandable webbing, 17mm wide. Locking mechanism inside the composite cover. The device is intended for works requiring mobility in respect to attachment point. Energy absorber is not required.

The WR 100 arrester is a component of personal fall protection equipment.

#### **SPECIAL FEATURES**







#### **PARAMETERS**

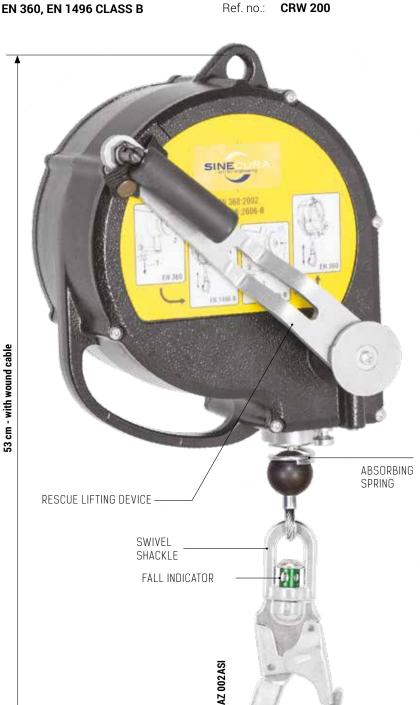
TH	WFIGHT	
Weight:	1,8 kg	
Braking force:	less than 6 kN	
Static strength:	no less than 15 kN	
Working length:	max. 6 m	
Webbing width:	17 mm	

REF. NO.:	LENGTH	WEIGHT
WR 100	6 m	1,80 kg



9

**EN 360, EN 1496 CLASS B** 

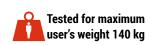


CRW 200 is a combination of a retractable type fall arrester and a rescue lifting device. The cover is made of an aluminium alloy. CRW 200 is fitted with a rescue lifting device with galvanized steel cable.

CRW 200 can be used independently or with selected tripods. In order to install the device on a tripod use a mounting bracket.

**Retractable type fall arrester CRW** 200 is a component of personal fall protection equipment.

#### **SPECIAL FEATURES**









On request, the devices is avaible with the permission to work in potentially explosive areas

Cable diameter:	4,7 mm		
Working load:	min. 50	0 kg, max. 140 kg	
Working length:	max. 1	5 m	
Dimensions:	300 x 2	230 x 175 mm	
Weight:	11 kg		
REF. NO.:	CABLE LENGTH	WEIGHT	
CRW 200	15 m	11 kg	

**PARAMETERS** 

4

RETRACTABLE TYPE AND GUIDED TYPE FALL ARRESTERS

CABLE LENGTH

25 m

25 m

WEIGHT

15 kg

15 kg

CRW 300 is a combination of a retractable type fall arrester and a rescue lifting device. The cover is made of an aluminium alloy. The arrester is fitted with retractable zinc plated steel cable.

CRW 300 is fitted with rescue lifting device, and can be used independently or with selected tripods. In order to install the device on a tripod use a mounting bracket.

Retractable type fall arrester CRW 300 is a component of personal fall protection equipment

#### **SPECIAL FEATURES**



Tested for maximum user's weight 140 kg



On request, the devices is avaible with the permission to work in potentially explosive areas





## **PARAMETERS**

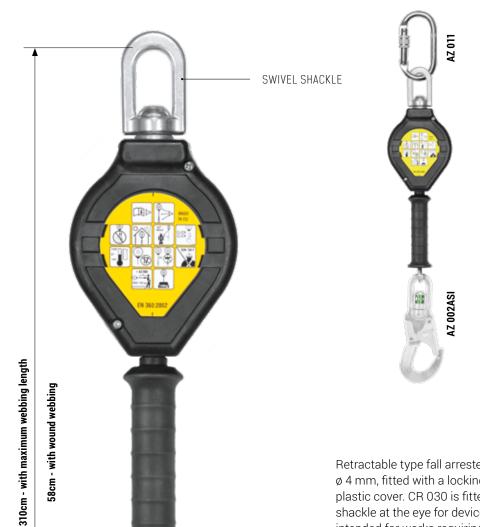
Cable diameter:	4,7 mm
Working load:	max. 140 kg
Working length:	max. 25 m
Dimensions:	365 x 267 x 132 mm
Weight:	15 kg



CRW 300 + connector AZ 017

REF. NO.:

**CRW 300** 



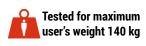
SWIVEL

AZ 002ASI

SHACKLE

Retractable type fall arrester with expandable steel cable ø 4 mm, fitted with a locking mechanism in a durable plastic cover. CR 030 is fitted with an integrated swivel shackle at the eye for device anchoring. The device is intended for works requiring significant mobility in respect to attachment point. Energy absorber is not required.

#### **SPECIAL FEATURES**



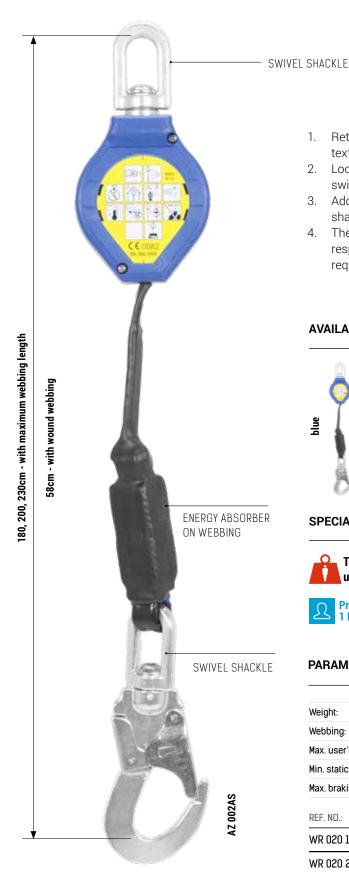




#### **PARAMETERS**

Max. user's weigh	t:	140 kg
Max. working leng	jth:	3 m
Cable diameter:		4 mm
Weight:		~1750g + connector wei
REF. NO.:	LENGTH	WEIGHT
TELL INO	LLNOTTI	WLIUIII

 $\epsilon$ **EN 360** Ref. no.: WR 020

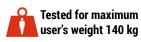


- Retractable type fall arrester WR 020 with expandable textile webbing in a durable plastic cover.
- Locking mechanism in an impact-resistant cover with swivel shackle in upper part of the device.
- Additionally, lower connector is fitted with swivel shackle and indicator.
- The device is intended for works requiring mobility in respect to attachment point. Energy absorber is not required.

#### **AVAILABLE COLOUR VERSIONS**



#### **SPECIAL FEATURES**







#### **PARAMETERS**

Weight:	~ 850g + connector weight
Webbing:	17,5 x 2 mm
Max. user's weight:	140 kg
Min. static strength:	15kN
Max. braking force:	6 kN
REF. NO.:	LENGTH
WR 020 18	max. 1,80 m
WR 020 20	max. 2,00 m
WR 020 23	max. 2,30 m



**EN 360** 

Ref. no.: WR 025

68cm - with maximum webbing length

68cm - with wound webbing

AZ 002AS

AZ 002AS

AZ 0011



#### **PARAMETERS**

Webbing width:	17,5 mm
Max. user's weight:	140 kg
Min. static strength:	15 kN
Max. braking force::	6 kN
Weight:	~ 850g + connector weight

WR 025 10

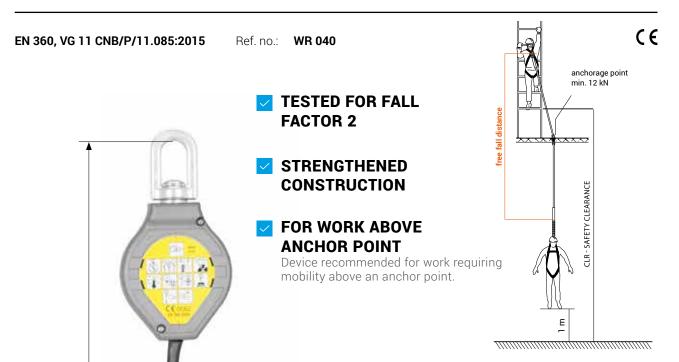
#### **SPECIAL FEATURES**

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Retractable type fall arrester WR 025 with expandable textile webbing in a durable plastic cover. Locking mechanism in a durable cover with swivel shackle in upper part of the device. Additionally, lower connector is fitted with swivel shackle. The device is intended for works requiring mobility in respect to attachment point. Energy absorber is not required. The device is tested and approved for working on flat roofs in combination with roof lanyard AZ 800.

REF. NO.:	LENGTH
WR 025 10	2,45 m
WR 025 20	2,55 m

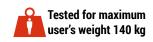


- 1. Retractable type fall arrester WR 040 with expandable textile webbing in a plastic cover of strengthened construction.
- 2. Thicker webbing ensures higher strength.
- 3. Locking mechanism in a durable cover with swivel shackle in upper part of the device.
- 4. Additionally, lower connector is fitted with swivel shackle and indicator.
- 5. The device is intended for works requiring mobility in respect to attachment point.
- 6. Energy absorber is not required.

#### **PARAMETERS**

~ 900g + connector weight
18,5 x 2,2 mm
140 kg
6 kN

#### **SPECIAL FEATURES**

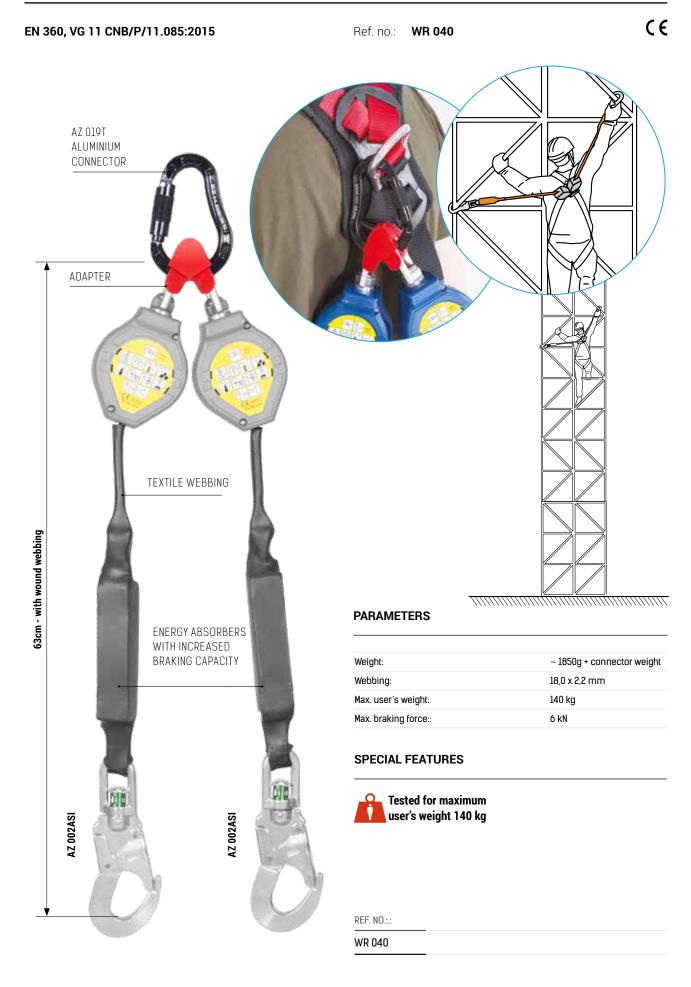


REF. NO.:		
WR 040		



TEXTILE WEBBING





## OS 010

intended for retractable type fall arresters: CR 200, CR 210, CR 220, CR240, CR241, CR245, CR 030, ROLEX 1, ROLEX 2, ROLEX 3, WR 020, W R 025, WR 100

OS 010, OS 030



## **OS 030**

intended for retractable type fall arresters: CR 300



#### Ref. no.: **OS 010, OS 030**



#### **AVAILABLE COLOUR VERSIONS**









transpar orange III

- Protects the device against unfavourable weather conditions
- 2. Increases service life of retractable type fall arresters
- 3. Available in various colour versions

#### **PARAMETERS**

Material:	Highly-transparent PVC, PVC Hi-Vis, PVC
Dimensions:	OS010 - 500 x 335mm, OS030 - 500 x 390mm
Colours:	black, blue, grey, green, red, yellow, yellow Hi-Vis, orange Hi-Vis

REF. NO.:

OS010 / OS030 - guard price without connector



**EN 354** Ref. no.: **AZ 800 C €** 



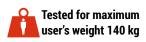


USING AZ 800

#### **SPECIAL FEATURES**









AZ 800 is a 1.8m long lanyard, intended for works on roof, suitable for cooperation with retractable type fall arresters CR 300, CR 200 and WR 025.

REF. NO.:

AZ 800

## **SKR-BLOCK**

#### **Guided type fall arrester**

EN 353-2 Ref. no.: AC 040



Guided type fall arrester SKR-BLOCK intended for use with polyester work rope AC 200, 12mm dia. The device should be connected to full body harness by an oval connector, e.g. AZ 011.

The AC 040 device is a component of personal fall protection equipment.

The device should be used with SINECURA work ropes, 12mm dia.



(€

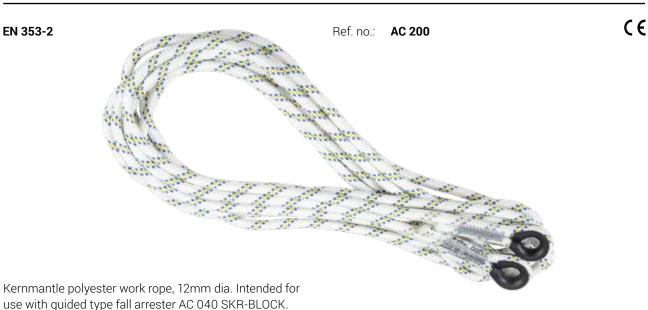
#### **SPECIAL FEATURES**



REF. NO.: WEIGHT AC 040 - without rope 360 g

# **AC 200**

#### Work rope for SKR-BLOCK system



use with guided type fall arrester AC 040 SKR-BLOCK. The rope has loop with thimble at both endings.

#### **PARAMETERS**

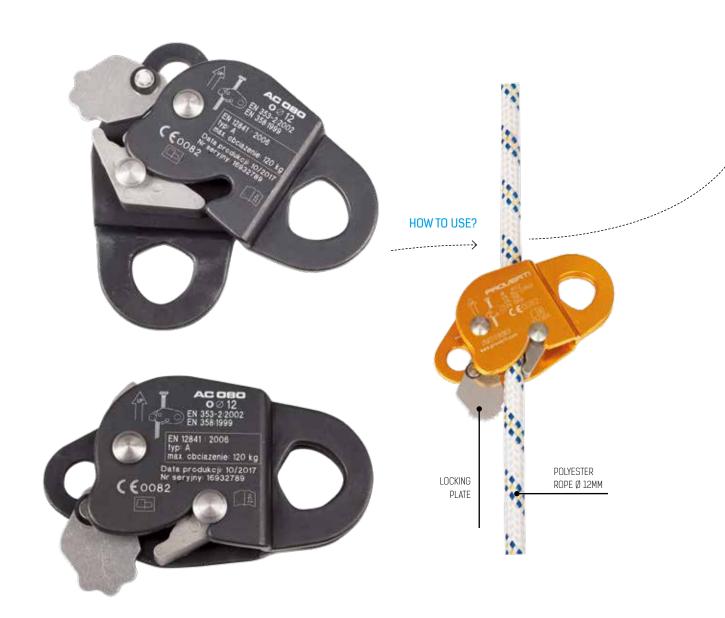
Material:	polyester	
Diameter:	12 mm	

LENGTH	LENGTH
10 m	30 m
15 m	35 m
20 m	40 m
25 m	50 m



Ref. no.: AC 080

EN 353-2, EN 358, EN 12841 (as access rope)



Guided type fall arrester AC 080 intended for use with polyester work rope AC 300, 12mm dia. The device should be connected to full body harness by an oval connector, e.g. AZ 011.

## The AC 080 device is a component of personal fall protection equipment.

# PARAMETERS Weight: 194 g Material: BLUE YELLOW SPECIAL FEATURES REF. NO.: WEIGHT AC 080 - without rope 194 g







# **AC 300**

#### Work rope for AC 080 and AC 081

**EN 353-2** Ref. no.: **AC 300** 



#### **PARAMETERS**

Material:

25 m

Diameter:	12 mm	
LENGTH	LENGTH	
10 m	30 m	
15 m	35 m	
20 m	40 m	

50 m

polyester

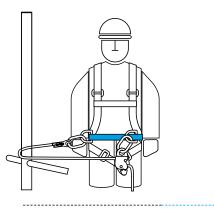


EN 353-2, EN 358, EN 12841 (as access rope)

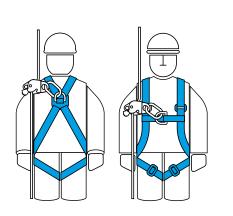
Ref. no.: AC 081

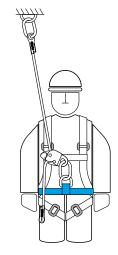


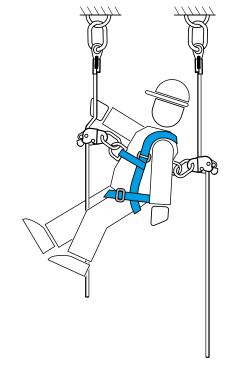
## POSSIBLE USE OF AC 081



EN 358







EN 353-2 EN 813 EN 12841





Guided type fall arrester AC 081 intended for use with polyester work rope AC 300, 12mm dia. The arrester should be connected to full body harness by an oval connector, e.g. AZ 011. Maximum load 120kg (EN 12841 as access rope).

#### The AC 081 device is a component of personal fall protection equipment.

#### **PARAMETERS**

Weight:	350 g
Material:	stainless steel
SPECIAL FEATURES	

NR KAT.:	WAGA
AC081 - without rope and connector	350 g

ACO81 - without rope and connector



EN 353-2

Ref. no.: AC 060

ENERGY ABSORBER

INTEGRAL

POLYESTER ROPE Ø 12MM

### **PARAMETERS**

Diameter:	12 mm
Material:	polyester

(€

The device comprises the following components:

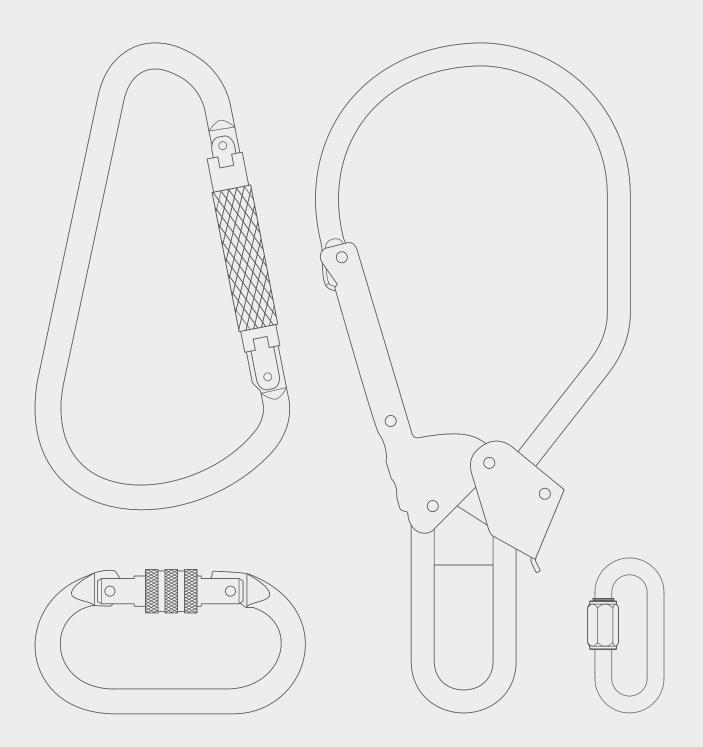
- 1. work rope with a loop with a thimble on one end and a splice on the other;
- 2. galvanized steel non-detachable rope grab mechanism fixed on the work rope;
- 3. energy dissipater;
- 4. connector for energy dissipater.

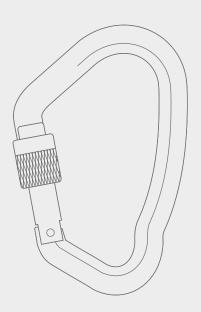
The LINOSTOP II device is a component of personal fall protection equipment.

LENGTH	_
5 m	
10 m	
15 m	
20 m	
25 m	
30 m	
35 m	
40 m	
45 m	
50 M	





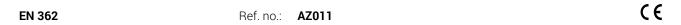




# Connectors

Detachable connectors	5 - <b>02</b>
Integrated connectors	5 - <b>13</b>
Screw link connectors	5 - <b>17</b>







Detachable connector with locking gear.

### **PARAMETERS**

Dimensions:	110 x 60 mm
Opening:	18 mm
Weight:	160 g
Material:	galvanized steel
Static strength	25 kN

### **SPECIAL FEATURES**



PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS

REF. NO.:

AZ 011

# **AZ 011A**

### Detachable connector with locking gear

(€ EN 362 Ref. no.: AZ011A



### **PARAMETERS**

Dimensions:	111 x 64 mm
Opening:	18 mm
Weight:	110 g
Material:	aluminium
Static strength	20 kN

### **SPECIAL FEATURES**



PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS

REF. NO.:

AZ 011A

Ref. no.: **AZ011INOX** 

# 5



### **PARAMETERS**

19 mm
160 g
galvanized steel
20 kN

### **SPECIAL FEATURES**



REF. NO.:

AZ 011 INOX

# **AZ 011T**

### Detachable connector with "twist lock" gear

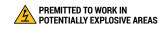
EN 362 Ref. no. AZ011T



### **PARAMETERS**

Dimensions:	108 x 60 mm
Opening:	18 mm
Weight:	170 g
Material:	galvanized steel
Static strength	20 kN

### **SPECIAL FEATURES**



REF. NO.:

AZ O11T



## EN 362 Ref. no.: AZ012



### **PARAMETERS**

Dimensions:	110 x 64 mm
Opening:	21 mm
Weight:	75 g
Material:	aluminium
Static strength	25 kN

### **SPECIAL FEATURES**



REF. NO.:

AZ 012

# **AZ 012T**

### Detachable connector with "twist lock" gear

EN 362 Ref. no.: AZ012T



### **PARAMETERS**

Dimensions:	110 x 64 mm
Opening:	21 mm
Weight:	80 g
Material:	aluminium
Static strength	25 kN

### **SPECIAL FEATURES**



REF. NO.:

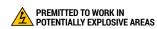
AZ 012T



### **PARAMETERS**

Dimensions:	110 x 64 mm
Opening:	19 mm
Weight:	85 g
Material:	aluminium
Static strength	20 kN

### **SPECIAL FEATURES**



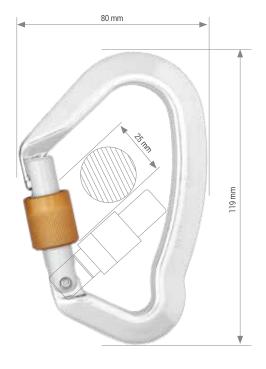
REF. NO.:

AZ 012DT

# **AZ 013A**

### Detachable connector with locking gear

EN 362 Ref. no.: AZ013A



### **PARAMETERS**

Dimensions:	119 x 80 mm
Opening:	25 mm
Weight:	95 g
Material:	aluminium
Static strength	20 kN

### **SPECIAL FEATURES**



### **COLOUR VERSIONS**





5

CONNECTORS

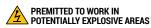
### (€ EN 362 Ref. no.: **AZ014**



### **PARAMETERS**

Dimensions:	113 x 73 mm
Opening:	24 mm
Weight:	95 g
Material:	aluminium
Static strength	20 kN

### **SPECIAL FEATURES**



REF. NO.:

AZ 014

# **AZ 014T**

### Detachable connector with "twist lock" gear

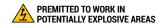
(€ EN 362 Ref. no.: AZ014T



### **PARAMETERS**

Dimensions:	117 x 72 mm	
Opening:	24 mm	
Weight:	100 g	
Material:	aluminium	
Static strength	20 kN	

### **SPECIAL FEATURES**



REF. NO.:

AZ 014T

Ref. no.: AZ014DT





Detachable connector with "double twist lock" automatic locking.

### **PARAMETERS**

Dimensions: 112 x 73 mm  Opening: 22 mm  Weight: 100 g  Material: aluminium		
Weight: 100 g Material: aluminium	imensions:	112 x 73 mm
Material: aluminium	pening:	22 mm
	eight:	100 g
0.11	aterial:	aluminium
Static strength 20 kN	tatic strength	20 kN

### **SPECIAL FEATURES**



PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS

REF. NO.:

**AZ 014DT** 

# **AZ 017**

### Detachable connector with locking gear

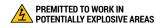
(€ EN 362 Ref. no.: **AZ017** 



### **PARAMETERS**

Dimensions:	113 x 71 mm
Opening:	25 mm
Weight:	200 g
Material:	galvanized steel
Static strength	20 kN

### **SPECIAL FEATURES**



REF. NO.:

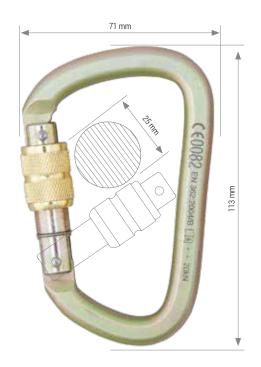
AZ 017



5

Ref. no.: **AZ017T** 

(€



### **PARAMETERS**

Dimensions:	113 x 71 mm
Opening:	25 mm
Weight:	200 g
Material:	galvanized steel
Static strength	20 kN

### **SPECIAL FEATURES**



PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS

REF. NO.:

AZ 017T

# **AZ 017DT**

### Detachable connector with "double twist lock" gear

(€ EN 362 Ref. no.: **AZ017DT** 



### **PARAMETERS**

Dimensions:	113 x 80 mm
Opening:	24 mm
Weight:	210 g
Material:	galvanized steel
Static strength	20 kN

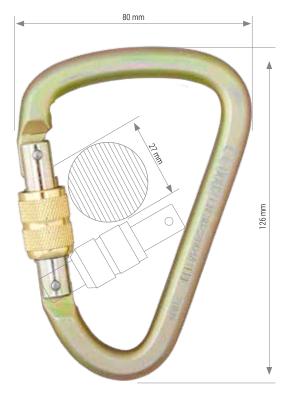
### **SPECIAL FEATURES**



REF. NO.:

**AZ 017DT** 

( ( Ref. no.: **AZ018** 



### **PARAMETERS**

Dimensions:	126 x 80 mm
Opening:	27 mm
Weight:	230 g
Material:	galvanized steel
Static strength	20 kN

### **SPECIAL FEATURES**



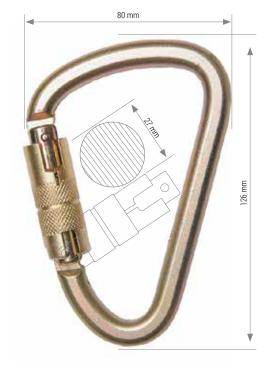
PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS

REF. NO.: AZ 018

# **AZ 018T**

### Detachable connector with "twist lock" gear

 $\epsilon$ Ref. no.: AZ018T EN 362



### **PARAMETERS**

Dimensions:	126 x 80 mm
Opening:	27 mm
Weight:	245 g
Material:	galvanized steel
Static strength	20 kN

### **SPECIAL FEATURES**



REF. NO.:

AZ 018T



9

5

CONNECTORS



### **PARAMETERS**

Dimensions:	119 x 75 mm
Opening:	27 mm
Weight:	95 g
Material:	aluminium
Static strength	20 kN

### **SPECIAL FEATURES**



REF. NO.:

AZ 019T

# **AZ 019DT**

### Detachable connector with "double twist lock" gear

**EN 362** Ref. no.: **AZ019DT C** €



### **PARAMETERS**

Dimensions:	119 x 75 mm
Opening:	27 mm
Weight:	90 g
Material:	aluminium
Static strength	25 kN

### **SPECIAL FEATURES**



REF. NO.:

**AZ 019DT** 



### **PARAMETERS**

Dimensions:	190 x 111 mm
Opening:	45 mm
Weight:	205 g
Material:	aluminium
Static strength	20 kN

REF. NO.:

AZ 111

# **AZ 111B**

### Detachable connector with "twist lock" gear

EN 362



### PARAMETERS

Dimensions:	196 x 111 mm
Opening:	45 mm
Weight:	220 g
Material:	aluminium
Static strength	20 kN

REF. NO.:

AZ 111B



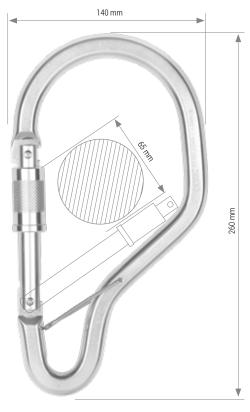
5

CONNECTORS

(€

### **EN 362** Ref. no.: **AZ122**





### **PARAMETERS**

Dimensions:	260 x 140 mm	
Opening:	65 mm	
Weight:	360 g	
Material:	aluminium	
Static strength	20 kN	

REF. NO.:

AZ 122

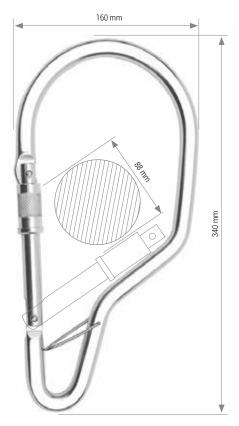
# **AZ 125**

### Detachable connector with "twist lock" gear

EN 362

Ref. no.: **AZ125** 





### **PARAMETERS**

340 x 160 mm
88 mm
490 g
aluminium
20 kN

REF. NO.:

AZ 125

AZ023

Ref. no.:

Integrated connector is available as a factory-mounted in the SINECURA equipment or as a separate anchor element.

### **PARAMETERS**

240 x 130 mm
60 mm
460 g
aluminium
20 kN

REF. NO.:

AZ 023 - separately

AZ 023 - factory-mounted in equipment

**AZ 025** 

### Integrated connector with locking gear



Integrated connector is available as a factory-mounted in the SINECURA equipment or as a separate anchor element.

### **PARAMETERS**

Dimensions:	330 x 155 mm
Opening:	83 mm
Weight:	845 g
Material:	steel galvanically protected against corrosion
Static strength	20 kN

REF. NO.:

AZ 025 - separately

AZ 025 -factory-mounted in equipment



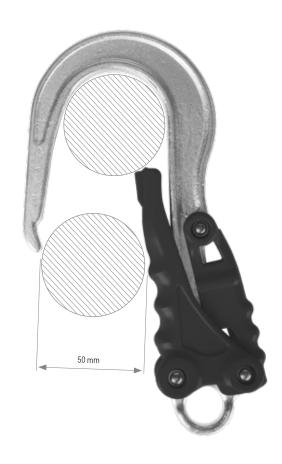
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CONNECTORS

( (

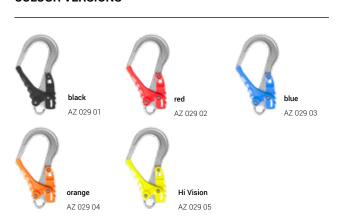
(€ EN 362 Ref. no.: **AZ029** 







### **COLOUR VERSIONS**



Integrated connector is available as a factory-mounted in the SINECURA equipment or as a separate anchor element.

### **PARAMETERS**

Dimensions:	146 x 206 mm
Opening:	50 mm
Weight:	340 g
Material:	galvanized steel, composite
Static strength	25 kN

REF. NO.:

AZ 029 - separately

AZ 029 - factory-mounted in equipment

(

EN 362 Ref. no.: AZ029ISOL





Integrated connector is available as a factory-mounted in the SINECURA equipment or as a separate anchor element.

### **PARAMETERS**

Dimensions:	150 x 208 mm
Opening:	50 mm
Weight:	350 g
Material:	galvanized steel, composite
Static strength	25 kN

### **SPECIAL FEATURES**

PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS

REF. NO.:

AZ 029 ISOL - separately

AZ 029 ISOL - factory-mounted in equipment



**EN 362** Ref. no.: **AZ055** 





# LIGHT CONNECTOR AT ONLY 250 g

thanks to use of aluminium 7075 T6

New light connector AZ 055 thanks to use of high-quality materials (aluminium 7075 T6) and large opening (50mm) suits perfectly for cooperation with retractable type fall arresters such as WR 020/WR 040. The used swivel shackle prevents twisting of webbing or lanyard during operation and thus increases use comfort and safety. Moreover the applied anodizing considerably improves anti-corrosion characteristics of the product.

Integrated connector is available as a factory-mounted in the SINECURA equipment or as a separate anchor element.

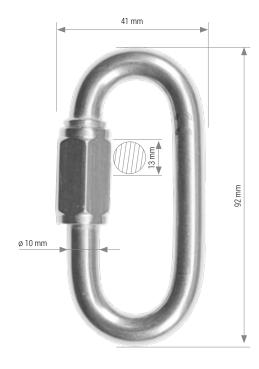
### **PARAMETERS**

97 x 244 mm
50 mm
250 g
aluminium 7075 T6
20 kN

REF. NO.:

AZ 055

Ref. no.: **AZ090** 



Connector AZ 090 is intended for short-time and fixed connection of individual components of a fall protection system.

### **PARAMETERS**

Dimensions:	92 x 41 mm
Opening:	13 mm
Weight:	65 g
Material:	stainless steel
Static strength	35 kN

### **SPECIAL FEATURES**



REF. NO.:
AZ 090

**AZ 091** 

### Detachable connector with locking gear

EN 362 Ref. no.: AZ091



Connector AZ 091 is intended for short-time and fixed connection of individual components of a fall protection system.

### **PARAMETERS**

75 x 56 mm
8 mm
45 g
stainless steel
20 kN

### **SPECIAL FEATURES**



DF	F	MU	١.
$\Gamma$	١.	INC	١

AZ 091



5

CONNECTORS



industrial safety neimets	0 - 02
Face shields and ear protectors	6 - <b>05</b>
Bump caps	6 - <b>10</b>





### Ref. no.: IH 100 100 006

The ATRA 10 helmet has been designed to protect the user's head against falling objects. It is characterized by high strength, low weight and a wide adjustment range. ATRA 10 is equipped with universal 30 mm sockets that allow the installation of additional equipment such as earmuffs or face protectors. It meets the requirements of the EN 397: 2012 + A1: 2012 standard and can be used in the temperature range of -30oC / +50oC.

ATRA10 is a helmet that meets the highest electrical insulation standards. It protects against accidental, short-term contact with a live conductor up to 440V AC (in accordance with the optional requirements of EN397) and can be used as an electrically insulating helmet on low voltage installations - it provides protection against electric shock up to 1000V AC or 1500V DC (in accordance with the requirements of EN 50365: 2002).

### **COLOUR:**

REF. NO.: 01	WHITE	REF. NO.: 02	YELLOW
PARAMET	TERS		
Weight-		430 n	

# **ATRA 10V**

# Industrial safety helmet

### EN 397



Ref. no.: **IH 100 100 006** 

The ATRA 10V helmet has been designed to protect the user's head against falling objects. It meets the requirements of the EN 397: 2012 + A1: 2012 standard and can be used in the temperature range of -30oC / +50oC.

It is characterized by high strength, low weight and a wide adjustment range.

In the helmet shell made of ABS, there are 10 ventilation holes ensuring users' comfort even on hot days. ATRA 10V is equipped with universal 30mm sockets that allow the installation of additional equipment such as earmuffs or face protectors.

### COLOUR:

REF. NO.: 01	WHITE	REF. NO.: 04	RED	
REF. NO.: 02	YELLOW	REF. NO.: 05	ORANGE	
REF. NO.: 03	DARK BLUE	REF. NO.: 06	GREEN	

### **PARAMETERS**

Weight:	430 g	

# **PLASMA AQ**

### **Industrial safety helmet**

EN 397 EN 1492 Ref. no.: **HA 008** 



Kask Plasma AQ is a high performance protective helmet. In addition to being fully compliant with EN 397 standards, it also complies with the stricter EN 1492 standards in tests concerning lateral systems. State-of-the-art technology, first choice materials and attention to detail make the Kask WHE00008 protective helmet a very reliable, comfortable, versatile and customizable product with visors, flashlights and ear muffs, all within an aesthetic design that is extremely attractive .

### **COLOUR:**



### **PARAMETERS**

Weight:	390 g	



# **POLE CLIMBER**

### Protective helmet for climbing

### EN 397 / EN 124925.7



Ref. no.: **HA 009** 

The Pole Climber protective helmet for pole climbers, scaffolding fitters and people working at height. Made of polyethylene; absorbs vibrations perfectly. Has two side holes for hearing protection. The helmet is fitted with comfortable six-point strap harness and very absorbent sweat band. Lock VOSS with nut is designed for size adjustment between 51 and 64cm. Tested at low temperature of -20°C

### COLOUR:

Weight:

Ref. no.:

REF. NO.: 01	ORANGE	REF. NO.: 04	GREEN
REF. NO.: 02	YELLOW	REF. NO.: 05	DARK BLUE
REF. NO.: 03	RED	REF. NO.: 06	WHITE
PARAMETERS			

250 g

# **VISOR LIGHT**

### **Industrial safety helmet**

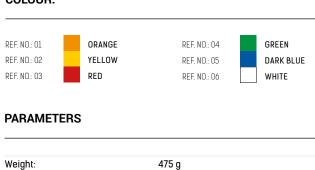
HA 010

RETRACTABLE GOGGLES

COMFORTABLE
ADJUSTMENT
BETWEEN 51 AND 64CM

Comfortable Visior Light protective helmet with integrated visor, also for users wearing glasses. The VisiorLight protective helmet is fitted with unique six-point harness depth adjustment and very absorbent sweat band. Integrated polycarbonate visor. Size adjustment between 51 and 64cm. Tested at low temperature of -30°C.

### COLOUR:



Ref. no.: HA 006 11



### **PARAMETERS**

Weight:	300 g	

# **HA 006 12**

### Mesh face shield

EN 397



Ref. no.: **HA 006 12** 

Mesh face shield ensures general protection against particles moving at 12m/s. The face shield comes out with mounting clamps included.

### **PARAMETERS**

Weight:	165 g	



Ref. no.: **HA 006 13** 



Provides protection against particles of moderate energy and moving at 120m/s, and liquid and molten metal splashes, and also arcing. Optical properties of the shield meet requirements of optical class 1 (the highest).

### **PARAMETERS**

Weight:	125 g	

# **HA 006 14**

### Face shield against arcing

EN 166

Ref. no.: **HA 006 14** 

CE



Provides protection against particles of moderate energy and moving at 120m/s, and liquid and molten metal splashes, and also arcing. Optical properties of the shield meet requirements of optical class 1 (the highest).

### **PARAMETERS**

Weight: 155 g



Provides protection against particles of low energy and moving at 45m/s, and liquid splashes. Optical properties of the shield meet requirements of optical class 1 (the highest). The face shield comes out with mounting clamps included.

### **PARAMETERS**

Weight:	155 g

# **HA 006 16**

### Polycarbonate face shield

EN 397



Ref. no.: **HA 006 16** 

Provides protection against particles of low energy and moving at 45m/s, and liquid splashes. The shield can be used for gas welding. In case of other welding methods face shield of much darker visor is required. Optical properties of the shield meet requirements of optical class 1 (the highest).

### **PARAMETERS**

Weight:	155 g	

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Ref. no.: **HA 008 10** 

HA 006 10 Sweat band for helmet EVO LITE



Harness for helmet EVO LITE

HA 008 17

Harness for helmet Montana

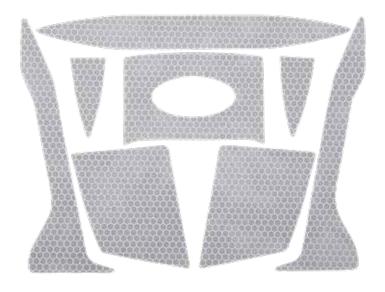
Ref. no.: **HA 006 17** 



Ref. no.: **HA 008 17** 



**EN 397** Ref. no.: **HA 006 18** 



Reflective stickers for helmet EVO LITE

# HA 006 19 Clamp for mounting shields on helmet EVO LITE HA 006 30

Chin strap for helmet EVO LITE

EN 397 Ref. no.: HA 006 19



Ref. no.: HA 006 30



### **PARAMETERS**

Weight:	45 g	

### **PARAMETERS**

Weight:	25 g	





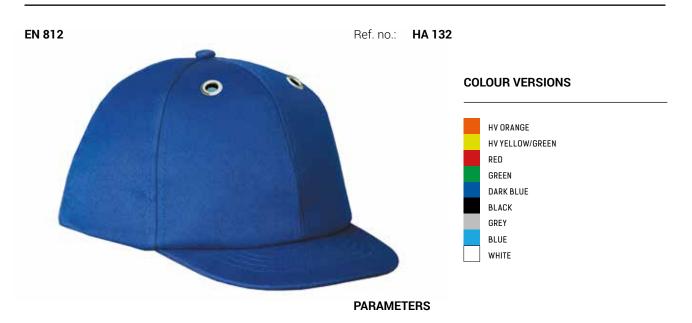
Industrial safety helmet intended for head protection against impacts by solid stable objects. Manufactured as a textile peaked cap equipped with protective pad. The cap has length-wise ventilation holes protected by polyester mesh, hard peak with polyamide pad and cotton adjustment strap at the back. Head size: 55 - 62cm.

### **PARAMETERS**

Weight:	220 g	
Head size:	55 - 62 cm	

# **CUPPIE 2**

### **Light industrial safety helmet**



Light industrial safety helmet with protective pad. Provides head protection against impacts by solid objects or structural elements. Not suitable for protection against falling objects. Size adjusted by adjustment strap at the back.

Weight:	235 g
Head size:	56 - 61 cm
Peak length:	5 cm



# Work ropes and work positioning lanyards

Work ropes

SINECURA anti fall engineering 7 - **02** 

7

### EN 1891 Class A







Spliced Eye - EN 1891 certified eye splicing

min. strength with loops 15kN breaking force 24kN

The rope is intended mainly for arborist works. Features large diameter enabling larger strength to damages and adequate flexibility for working with pulleys, connectors and other equipment. Red and white colour provides good visibility

### **PARAMETERS**

Rope diameter:	Ø 13,5 mm
Weight:	130 g/m
Kernmantle slip:	0 mm
Drop-off number:	1
Relative elongation:	3% (50-150 kg)
Shrinkage:	0.5 %
Min. static strength:	22 kN
Breaking strength:	37 kN
Core:	polyamide
Kernmantle:	polyester

### **AVAILABLE COLOUR VERSIONS**



01

REF. NU.:	ROPE DIAMETER	
PesPa 13,5-K-16	13 mm	
		_

Ref. no.: **PA 100** 



### **AVAILABLE COLOUR VERSIONS**



### **PARAMETERS**

Rope diameter:	Ø 10 mm	Ø 10,5 mm	Ø 11 mm	Ø 11,5mm	Ø 12 mm
Weight:	68 g/m	72 g/m	76 g/m	103 g/m	98 g/m
Relative elongation:	3,4 %	2,9%	3,3 %	1,8%	3,9 %
Kernmantle shift:	0,9 %	0,5%	1%	1,3%	0,6 %
Min. Static strength:	22 kN	22 kN	22 kN	22 kN	22 kN
Breaking strength:	29,10 kN	29,8 kN	30,60 kN	25,7 kN	32,10 kN
Material:	polyamide	polyamide	polyamide	polyester	polyamide
REF. NO.:	Pa 100-10-K-24	Pa 100-105-K-24	Pa 100-11-K-24	Pa 100-115-K-24	Pa 100-12-K-24



WORK ROPES AND WORK POSITIONING LANYARDS



Ref. no.: **TU 132** 

The rope is fully made of high-strength polyester.
Formed as 12-fibre braid rope. Intended only for cargo transportation. Bright colour provides good visibility.
Perfect as a work positioning rope for hydrants or pulleys.

#### **PARAMETERS**

	TU 132 016	TU 132 018
Rope diameter:	Ø 16 mm	Ø 18 mm
Strength:	37 kN	45 kN
Material:	polyester	polyester

REF. NO.:	ROPE DIAMETER
TU 132 016	Ø 16 mm
TU 132 018	Ø 18 mm

# **TU 135**

#### Work rope

Ref. no.: **TU 135** 



Rope diameter:	Ø 10 mm
Strength:	17 kN
Material:	aramid, polyester

REF. NO.:	ROPE DIAMETER
TU 135	Ø 10 mm



# Rope edge guards and rope sleeves

Rope edge guards

Rope sleeves

8 - 02

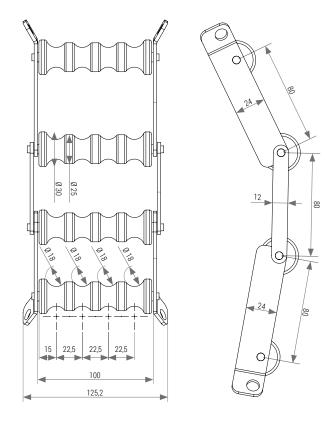
8 - 04



Ref. no.: AX 905

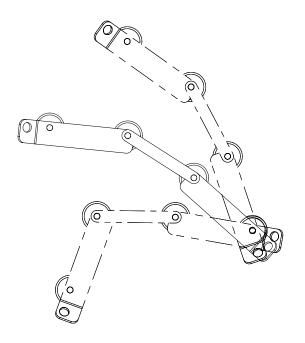






300 mm
620 g
steel, polyamide
-30°C / +50°C

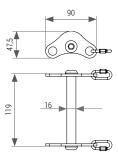




#### Ref. no.: AX 907



# KIT AX 907/1 single module



### **KIT AX 907/3**

three modules



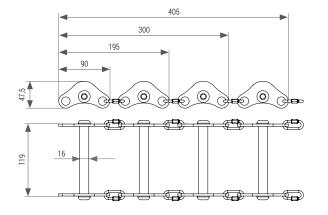
# 300 16

#### **PARAMETERS**

Temperature range:	-30°C / +50°C
Material:	aluminium, stainless steel, steel

REF. NO.:	NUMBER OF MODULES
AX 907/1	1
AX 907/3	3
AX 907/4	4

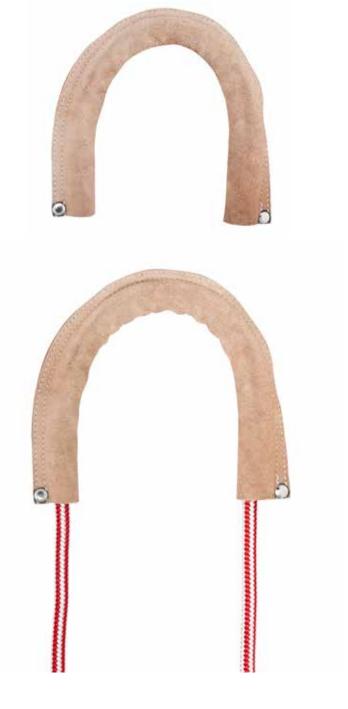
# KIT AX907/4 four modules







Ref. no.: TU 320



Rope sleeve AX 901 for cooperation with work rope on rope grab complying with EN 353-2 (LINOSTOP, ACOIO), preventing rope wearing on roof edges.

#### **PARAMETERS**

Material:	polyester fabric / PVC
REF. NO.:	
AX 901	

Material:	natural leather
REF. NO.:	WEIGHT





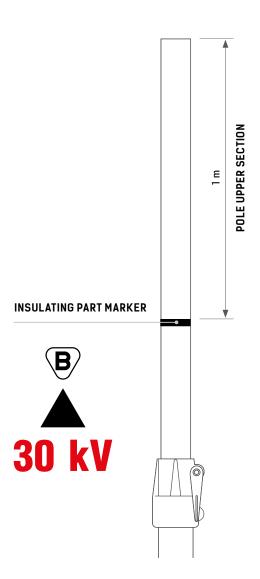
# Work rope installation equipment

Insulating telescopic poles 9 - 02

Heads and working hooks 9 - 04

Cable clamps for cable installers 9 - 10





# INSULATING TELESCOPIC POLES

Telescopic poles are tested at High Voltage Laboratory Institute of Power Engineering in Warsaw and are approved by the Polish Accreditation Centre.

# ACCREDITATION CERTIFICATE (RESEARCH LABORATORY) NO. AB 272

Locking of individual pole sections is possible in any position. Cooperates working with hooks and rope installers, acoustic sensors and other equipment compatible with UDI head. Possibility of extension section use with UDI (DT 900) and DT 800 head

The pole comes without UDI head - DT 800.

## **DT 200**



DT 200 with bag AXDT 200	
REF. NO.:	
Mechanical bending strength:	80 Nm
Mechanical torsional strength:	5 Nm
Mechanical tensile strength:	200 N
Mechanical compressive strength:	200 N
Admissible load of pole end in vertical configuration:	20,00 kg
Admissible load of pole end in horizontal configuration:	1,10 kg
Working height:	30 kV
Minimum length:	1,96 m
Maximum length:	7,38 m
Weight:	4,17 kg
Work range:	8,88 m

# **DT 202**

# **AXDT 200**





#### **PARAMETERS**

5,78 m	7,50 m	
1,90 kg	2,70 kg	
4,28 m	6,00 m	
1,80 m	1,85 m	
30 kV	30 kV	
2,38 kg	1,70 kg	
20,00 kg	20,00 kg	
200 N	200 N	
200 N	200 N	
5Nm	5Nm	
100Nm	100Nm	

REF. NO.:

DT 200 with bag AXDT 200

REF. NO.:

DT 202 with bag AXDT 200

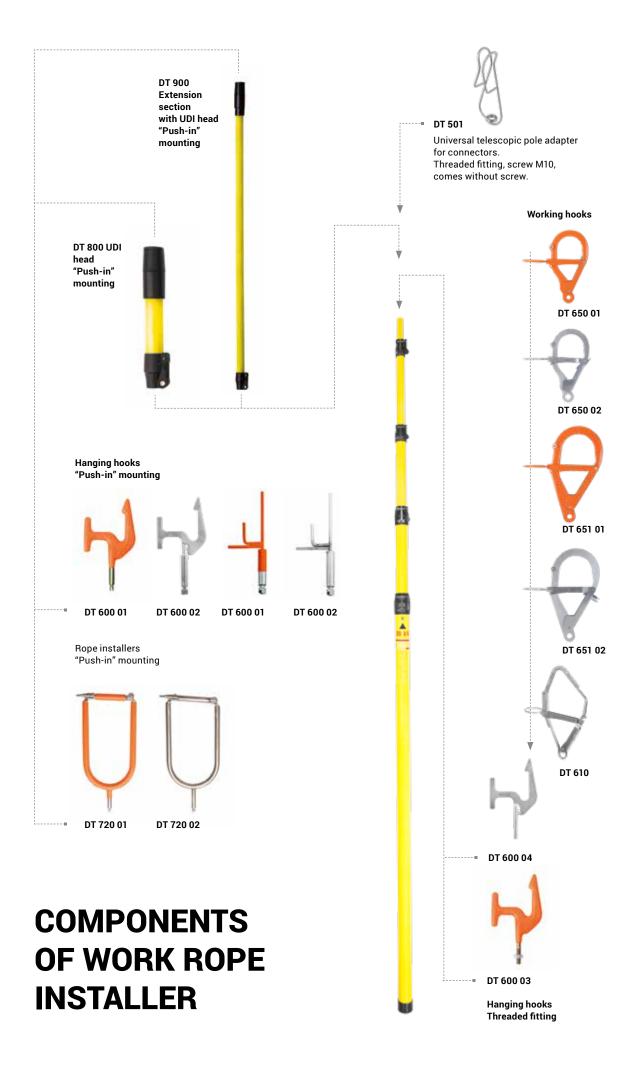
Material:	PVC
Length:	2,0 m
Hole diameter:	70 mm

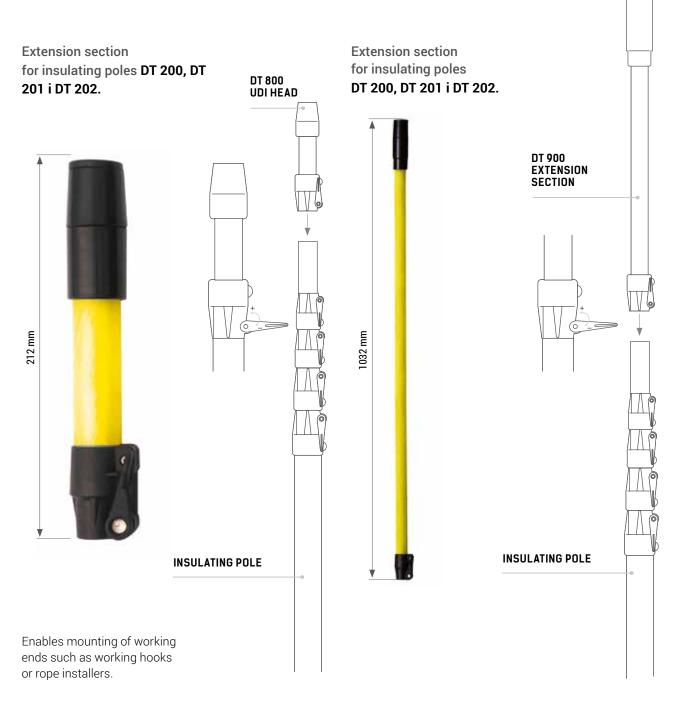
REF. NO.:

AXDT 200



9





#### **PARAMETERS**

Dimensions:	Ø 39 x 212 mm
Weight:	~0,20 kg
Material:	pole – glass fibre fittings – PA + 30% glass fibre

Dimensions:	Ø 39 x 1032 mm
Weight:	~0,45 kg
Material:	pole – glass fibre fittings – PA + 30% glass fibre

REF. NO.:	WEIGHT	
DT 800	0,20 kg	

REF. NO.:	WEIGHT
DT 900	0,45 kg



#### Cooperates with working hook DT 610, DT 650 i DT 651.



DT 600 01 "Push-in" mounting



DT 600 03 Threaded fitting



DT 600 02 "Push-in" mounting



DT 600 04 Threaded fitting

Cooperates with working hook DT 610, DT 650 i DT 651 and cable clamp AT 191S.



DT 601 02 - non-insulated "Push-in" mounting

Hanging hook for UDI head or telescopic pole.

WEIGHT
0,25 kg
0,20 kg
0,15 kg
0,15 kg

Hanging hook for UDI head. Cooperates with working hook DT 610, DT 650 and DT 651 and cable clamp AT 191S.

#### **PARAMETERS**

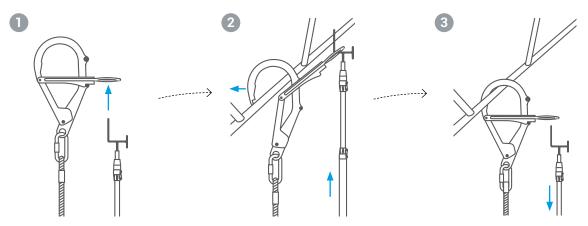
	DT 601 01	DT 601 02
Material:	galvanized steel + PVC	galvanized steel
Weight:	0,20 kg	0,15 kg

REF. NO.:

DT 601 01 - working hook - insulated
DT 601 02 - working hook - non-insulated



#### **HOW TO USE?**



#### **PARAMETERS**

#### DT 650 01 DT 650 02 Material: galvanized steel + PVC galvanized steel Opening: 65 mm Weight: 0,6 kg 0,5 kg

#### **PARAMETERS**

	DT 651 01	DT 651 02
Material:	galvanized steel + PVC	galvanized steel
Opening:	85 m	ım
Weight:	0,95 kg	0,9 kg

REF. NO.:

DT 650 01 - working hook - insulated

DT 650 02 - working hook - non-insulated

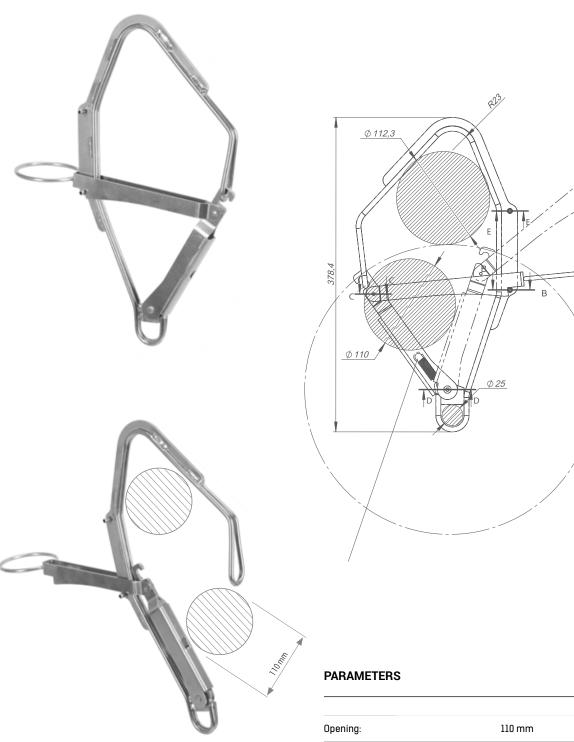
REF. NO.:

DT 651 01 - working hook - insulated

DT 651 02 - working hook - non-insulated



#### EN 795:2012 type B



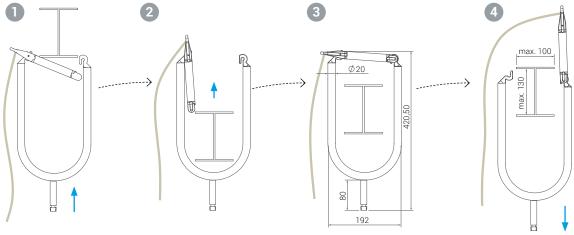
New working hook DT 610 made of stainless steel, with opening 110mm is a connector and a component of fall arrest system. Fitted with gravitational opening locking to ensure safe us of the device.

Upening:	110 mm	
Weight:	800 g	
Material:	stainless steel	
Strength:	25 kN	
REF. NO.:		
DT 610		





#### **HOW TO USE?**



#### **PARAMETERS**

	DT 720 01	DT 720 02
Material:	stainless steel + PVC	stainless stee
Weight:	1,3 kg	1,1 kg

Rope installer DT 720 with a handle for UDI head of a telescopic pole. Cooperates with telescopic pole DT 200 and head DT 800. Intended for cooperation with a rope 6-10mm dia. Installer is available in insulated and non-insulated version.

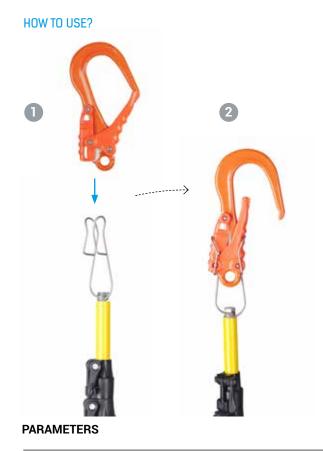
REF. NO.:

DT 720 01 - insulated

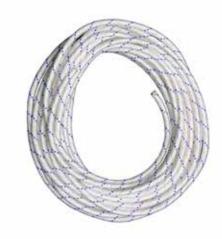
DT 720 02 - non-insulated







Weight:	30 g
Material:	stainless steel
REF. NO.:	
DT 501	



#### **PARAMETERS**

Material:	polyamide
DEVICE VERSION	
DT 100 - rope ø 8 mm	
DT 100 - rope ø 10,5 mm	
DT 100 - rope ø 12 mm	
DT 100 - rope ø 14 mm	

# **DT 750** Auxiliary rope for rope installer

Ref. no.: DT 750

One rope end protected by a film.

Material:	polyamide
DEVICE VERSION	
DT 750 - lina ø 8 mm	

#### **EN795 TYP B**



Cable clamp AT 191 S is a component of fall protection equipment. The clamp should be used as a transportable temporary anchor device type B, enabling connection of connecting and absorbing device to a structural anchor point on vertical structures or concrete poles. Cable clamp is formed by a section of stainless steel cable, 8 mm dia and 0.6 to 10m long. The clamp has loops of various diameters at both ends enabling for looping without using any additional connectors. One of the loops is fitted with a polyamide skid to facilitate the rope sliding. The skid provides support for hanging hook. In cooperation with hook DT 601 + DT 800 + DT 200, the skid enables safe assembly on steel or concrete electric poles.

#### **PARAMETERS**

Material:	stainless steel, copper, polyamide
Static strength:	min. 30 kN

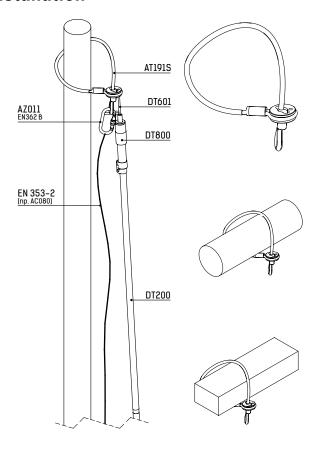
#### **SPECIAL FEATURES**

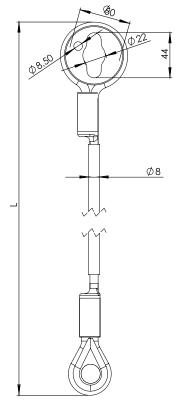


AT 191S xx - any length up to 10m as ordered



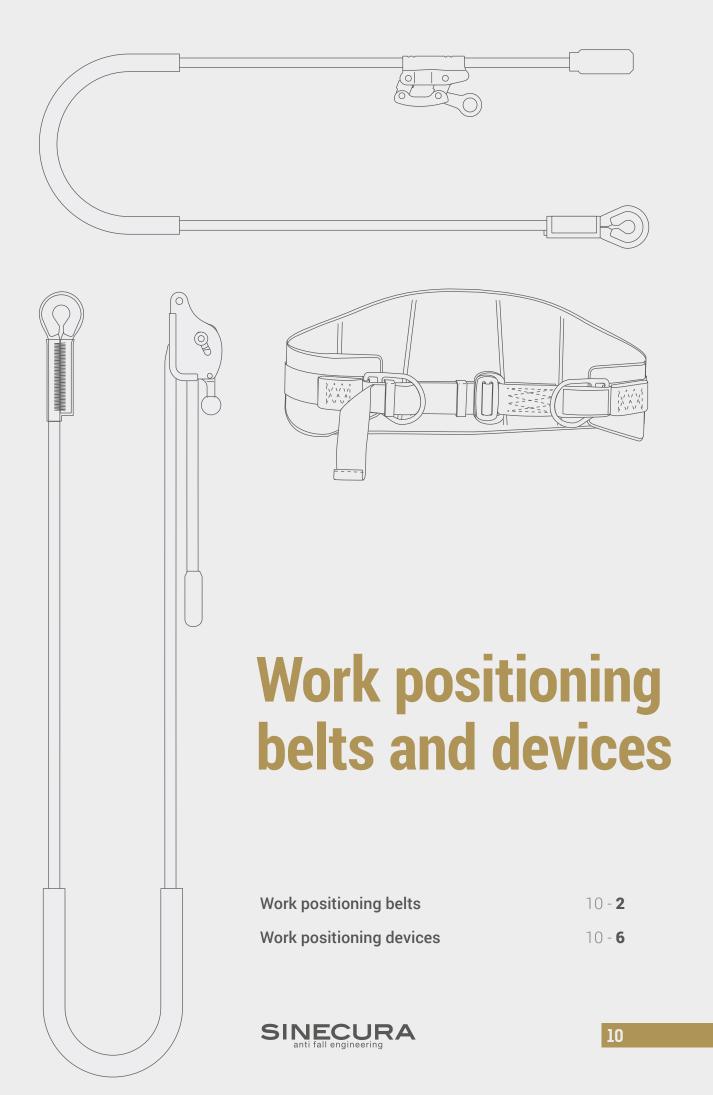
#### Installation













Belt fitted with ergonomically profiled padding, connecting and adjusting buckle and side attachment buckles. Work positioning belt PB 10 complements fall protection equipment and prevents falls from height during works at poles, trees, building structures, etc.

#### **PARAMETERS**

Webbing:	polyamide/polyester 45mm
Buckles:	galvanized steel
Threads:	polyester

SIZE	WEIGHT	
M-XL (medium)	460 g	
XXL (large)	480 g	

# **PB 20**

#### Work positioning belt



Belt fitted with ergonomically profiled padding, connecting and adjusting buckle and side attachment buckles. Work positioning belt PB 20 complements fall protection equipment and prevents falls from height during works at poles, trees, building structures, etc.

Webbing:	polyamide/polyester 45mm
Buckles:	galvanized steel
Threads:	polyester

SIZE	WEIGHT	
M-XL (medium)	670 g	
XXL (large)	690 g	



Work positioning belt PB 60 is made from a single polyester webbing strip connected by an aluminium buckle. Fitted with a welt to enable smooth belt length adjustment (length between 0.45m and 2.0m). Chain with steel connector AZ 002 at the end.Work positioning belt PB 60 complements fall protection equipment and prevents falls during works at height.

SIZE

S-XXL (large)

# **PB 70**

#### Work positioning belt

EN 358, EN 813



Belt fitted with ergonomically profiled padding, connecting and adjusting buckle, side attachment buckles and attachment point for work in a harness. Work positioning belt / sit harness PB 70 complements fall protection equipment and prevents falls from height during works at poles, trees, building structures, etc.

#### **PARAMETERS**

Webbing:	polyamide/polyester 45mm
Buckles:	galvanized steel
Threads:	polyester
SIZE	WEIGHT
M-XL (medium)	990 g
XXL (large)	1020 g



( (



Work positioning belt for tree climbers TH 20 fitted with ergonomically profiled padding, adjusting buckles, side attachment buckles and attachment point for work in a harness complying with EN 813. The belt includes aluminium adjusting buckles. There is no risk of an accidental release. Belt TH 20 is a basic equipment for works at height, mainly at trees, poles, building structures, etc.

#### **PARAMETERS**

Material:		PES, aluminium	
REF. NO.:	SIZE	WEIGHT	
TH 120 01	M-XL	1450 g	
TH 120 02	XXL	1490 g	

## **TH 30**

#### Harness for tree climbers

#### EN 358, EN 813

 $\begin{picture}(60,0) \put(0,0){\line(0,0){100}} \put(0,0){\line(0,0){100$ 



Work positioning belt for tree climbers TH 30 fitted with ergonomically profiled padding, adjusting buckles, side attachment buckles and attachment point for work in a harness complying with EN 813. The belt includes automatic connecting and adjusting buckles Comfortable wearing and removal. Belt TH 30 is a basic equipment for works at height, mainly at trees, poles, building structures, etc.

	PES, aluminium
SIZE	WEIGHT
M-XL	1780 g
XXL	1820 g
	M-XL

EN 358, EN 813



Work positioning belt for tree climbers TH 50 with an integrated seat. Equipped with ergonomically profiled padding, adjusting buckles, side attachment buckles and attachment point for work in a harness complying with EN 813. The belt includes automatic connecting and adjusting buckles Comfortable wearing and removal. Belt TH 50 is a basic equipment for works at height, mainly at trees, poles, building structures, etc.

Webbing:	polyamide/polyester 45mm
Buckles:	galvanized steel
Threads:	polyester

REF. NO.:	SIZE	WEIGHT
TH 150 01	M-XL	2500 g
TH 150 02	XXL	2600 g

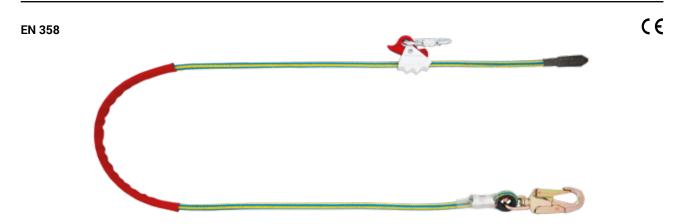




Work positioning device PROT 3 comes with steel connectors AZ 002 (opening: 19mm) and AZ 011 (opening: 18mm).

Kernmantle rope:	polyester rope Ø 14mm dia
Adjuster:	aluminium alloy, connector AZ 011
Protective tube:	coated fabricw
Rope ends:	free end, thimble with connector AZ 002

REF. NO.:	LENGTH
AF 130 020	2,0 m
AF 130 025	2,5 m
AF 130 030	3,0 m
AF 130 050	5,0 m
AF 130 100	10 m
AF 130 150	15 m
AF 130 200	20 m



Work positioning device PROT 30 comes with steel connectors AZ 060 (opening: 21mm) and AZ 011 (opening: 18mm).

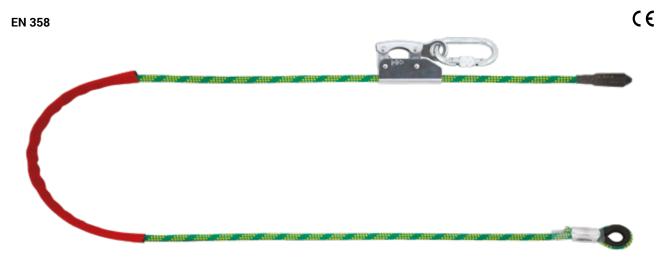
#### **PARAMETERS**

Kernmantle rope:	polyester kernmantle steel cable, 16mm dia
Adjuster:	light alloys, connector AZ 011
Protective tube:	coated fabric
Rope ends:	strong aluminium crimps, connector AZ 060

REF. NO.:	LENGTH
AF 160 200	2,0 m
AF 160 300	3,0 m
AF 160 400	4,0 m
AF 160 500	5,0 m

# **PROT 40**

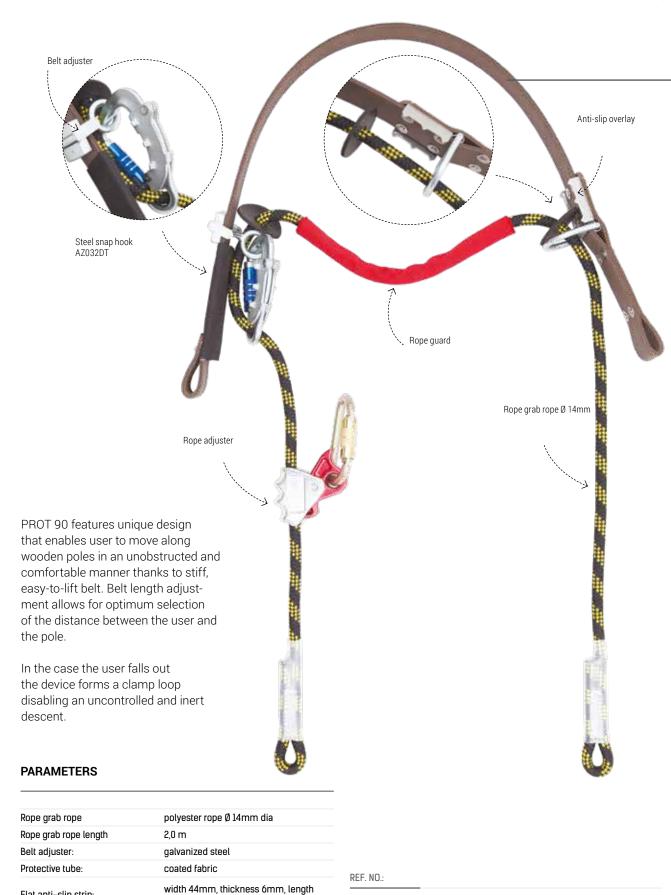
#### Work positioning device



polyester kernmantle steel cable, 11.4 mm dia
chrome-plated steel, connector AZ 011
coated fabric
strong aluminium crimps

REF. NO.:	LENGTH
AF 140 200	2,0 m
AF 140 300	3,0 m
AF 140 400	4,0 m
AF 140 500	5,0 m





AF 190

1.0m

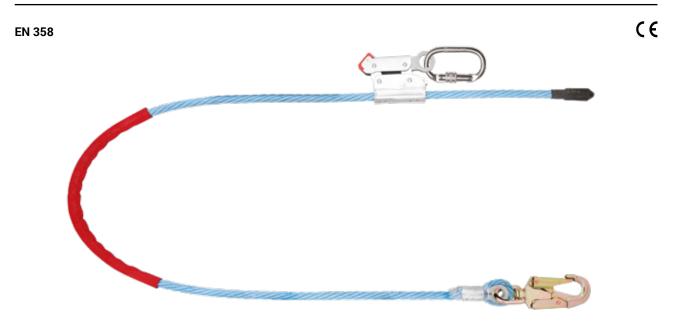
Flat anti-slip strip:





# **PROT 70**

#### Work positioning device



Kernmantle rope:	polypropylene kernmantle twisted steel cable, Ø 16mm dia
Adjuster:	stainless steel, connector AZ 011
Protective tube:	coated fabric
Rope ends:	aluminium crimps, thimble with connector AZ 060

REF. NO.:	LENGTH
AF 170 200	2,0 m
AF 170 300	3,0 m
AF 170 400	4,0 m
AF 170 500	5,0 m





#### **PARAMETERS**

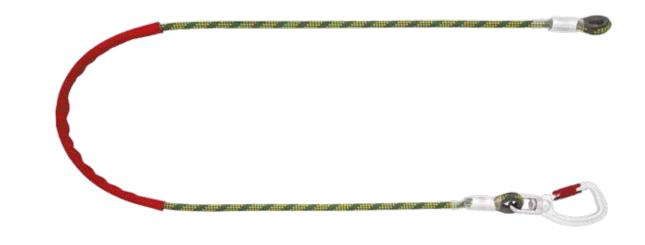
Kernmantle rope:	polyester kernmantle steel cable, 11.4mm dia	
Rope ends:	strong aluminium crimps	
Protective tube:	coated fabric	
REF. NO.:	LENGTH	
TU 010 20	2,0 m	
TU 010 30	3,0 m	
	· · · · · · · · · · · · · · · · · · ·	

(€

TU 010 40 4,0 m
TU 010 50 5,0 m

**TU 011** 

Work positioning device



Kernmantle rope:	polyester kernmantle steel cable, 11.4mm dia
Rope ends:	strong aluminium crimps, one end with alumi- nium connector AZO32DT with triple locking gear equipped with swivel shackle
Protective tube:	coated fabric

REF. NO.:	LENGTH	
TU 011 20	2,0 m	
TU 011 30	3,0 m	
TU 011 40	4,0 m	
TU 011 50	5,0 m	







Tree climbing spikes 11 - 02

Spare parts for tree climbing spikes 11 - **05** 







Steel climbing spikes with soft calf padding. Comes with two replaceable heat-hardened steel spikes (short and long).

Steel climbing spikes with adjustable soft calf padding height and replaceable heat-hardened steel spike.

#### **PARAMETERS**

Manufacture:	frame – powder-coated steel straps – waterproof coated fabric padding – leather and felt	
REF. NO.:	PAIR WEIGHT	
SP 501	3,75 kg	

Manufacture:	frame - powder-coated steel straps - waterproof coated fabric padding - leather and felt	
REF. NO.:	PAIR WEIGHT	
SP 505	3,80 kg	



Aluminium climbing spikes with adjustable calf padding height. Comes with two replaceable heat-hardened steel spikes (short and long).

Steel climbing spikes with adjustable calf padding height (additionally the padding is fitted with leg stabilising plate) and replaceable heat-hardened steel spike.

#### **PARAMETERS**

Manufacture:	frame – aluminium straps – waterproof coated fabric padding – leather and felt	
REF. NO.:	PAIR WEIGHT	
SP 502	- 2,56 kg	

Manufacture:	frame - powder-coated steel straps - waterproof coated fabric padding - leather and felt	
REF. NO.:	PAIR WEIGHT	
SP 506	3,85 kg	







Aluminium climbing spikes with adjustable calf padding height, additionally the padding is fitted with leg stabilising plate, pivotally connected to bow element. Comes with two replaceable heat-hardened steel spikes (short and long).

Steel climbing spikes with soft calf padding. Comes with two replaceable heat-hardened steel spikes (short and long).

#### **PARAMETERS**

Manufacture:	frame -aluminium straps - waterproof coated fabric padding - leather and felt
REF. NO.:	PAIR WEIGHT
SP 503	2,76 kg

#### **PARAMETERS**

Manufacture:	frame - powder-coated steel straps - waterproof coated fabric padding - leather and felt	
REF. NO.:	PAIR WEIGHT	
SP 504	4,80 kg	

# **Spare parts for tree climbing spikes**

SP 051 Spike, short - kit  SP 052 Spike, long - kit  SP 051 SP 052 SP 052 SP 052 Spike, long - kit	
TATAL TOTAL	
SP 053 Spike, short - kit	
SP 054 SP054	
SP 060	
SP 061 SP061	
SP 062 SP062	
SP 063 SP063	
SP 064 SP064	
SP 065 SP065	
SP 070 Stiffened calf padding	
SP 071 SP071	
SP 072 Padding, right	
SP 073 Padding reinforcement SP073 Padding reinforcement	
SP 080 SP080	







#### **PARAMETERS**

Dimensions:	470 x 320 x 160 mm	
Material:	reinforced PVC	

REF. NO.:

AX 023



# Anchor points and devices

Anchor points	72 <b>- 02</b>
Anchor devices	12 - 30
Horizontal anchor lanyards and lines	12 - 44
Webbing slings and portable anchor points	12 - 49
Anchor systems and devices	12 <b>- 53</b>



#### **EN795 TYPE A**

Ref. no.: PROTON 1



Anchor post PROTON 1 can be installed on roofs, terraces, platforms and beams. It is fitted with a three-hole plate enabling connection of personal fall protection equipment. The device complies with EN 795 type A.

Comes with 4x mechanical anchors.

#### **PARAMETERS**

Height variant:	20 cm, 30 cm, 40 cm
Material:	hot-dip galvanized steel
Maximum strength	28 kN

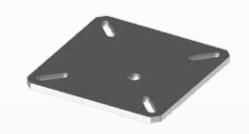
#### **SPECIAL FEATURES**



REF. NO.:	HEIGHT
PROTON 1 200	200 mm
PROTON 1 300	300 mm
PROTON 1 400	400 mm

# Mounting kit with retaining plate

HL~705 / Post retaining plate



#### **PARAMETERS**

Material:	hot-dip galvanized steel
Plate base dimensions:	23 x 23 cm
Mounting hole spacing:	140 – 180 mm

REF. NO.:

HL 705

# HL 910 / Mounting kit



#### **PARAMETERS**

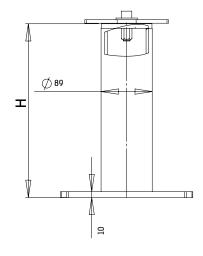
stainless steel	
	stainless steel

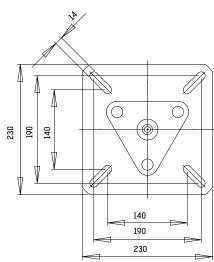
REF. NO.:	LENGTH	QUANTITY
HL 910 125	125 mm	kit 4 pcs
HL 910 250	250 mm	kit 4 pcs
HL 910 500	500 mm	kit 4 pcs
HL 910 1000	1000 mm	kit 4 pcs

# **Example installation of post PROTON 1**

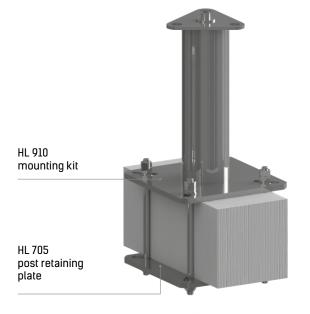
PROTON 1 installed using retaining plate and mounting kit (HL 705 + HL 910).

# **DIMENSIONS**











**EN795 TYPE A** 

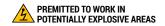
Anchor post PROTON 2 can be installed on roofs, terraces, platforms and beams. It is fitted with a three-hole plate enabling connection of personal fall protection equipment. The device complies with EN 795 type A.

#### **PARAMETERS**

Height variants: 50 cm, 80 cm, 110 cm, 140 c	cm
Material: hot-dip galvanized steel	
Maximum strength: 28 kN	

#### **SPECIAL FEATURES**





# Mounting kit with retaining plate

 $HL\ 702$  / Two sizes of post retaining plates



#### **PARAMETERS**

Material:	hot-dip galvanized steel

 $HL\ 910$  / Mounting kit - 4 pcs kit



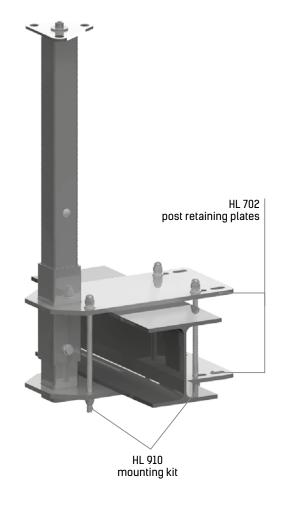
#### **PARAMETERS**

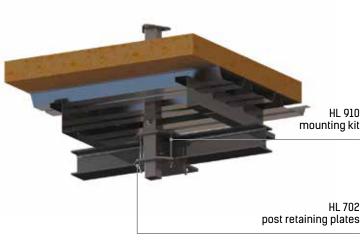
Material:	stainless steel	
-----------	-----------------	--

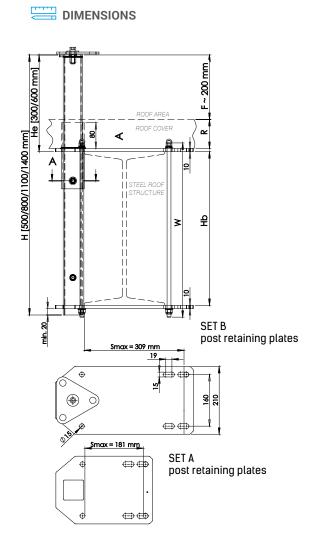
REF. NO.:	HEIGHT	
PROTON 2 500	500 mm	
PROTON 2 800	800 mm	
PROTON 2 1100	1100 mm	
PROTON 2 1400	1400 mm	

# **Example installation of post PROTON 2**

PROTON 2 installed using retaining plate and mounting kit (HL 702 + HL 910).







Н	Не	Hb min	Hb max	W max	Hb max using mounting kit HL910
500	300		300	300	300
900	300		300	300	300
800	600	120	600	600	600
1100	300	120	300	300	300
1100	600		600	600	600
1400	300		300	300	300
1400	600		600	600	600



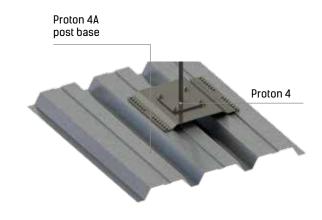
H – post height He – post height above roof steel structure Hb – roof steel structure height W – HL 910 mounting defined length R – roofing thickness F – recommended post height above roof surface

**EN795 TYPE A** 

# **Example installation of post PROTON 4**

PROTON 4 installed using screws to trapezoidal sheeting.





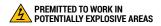
Proton 4 is an anchor device complying with EN 795 type A. It is and anchor point for personal fall protection equipment. Proton 4 is intended for mounting directly to trapezoidal steel sheet roofing, if the sheet is an outer cover, and also if covered with an insulation material. With various configurations of the post the product can be used for a wide range of metal sheets.

#### **PARAMETERS**

Height variants:	43 cm
Material:	stainless steel AISI 304
Minimum strength:	14 kN

#### **SPECIAL FEATURES**

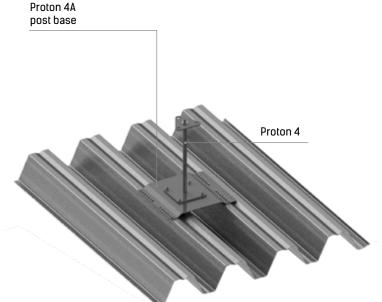




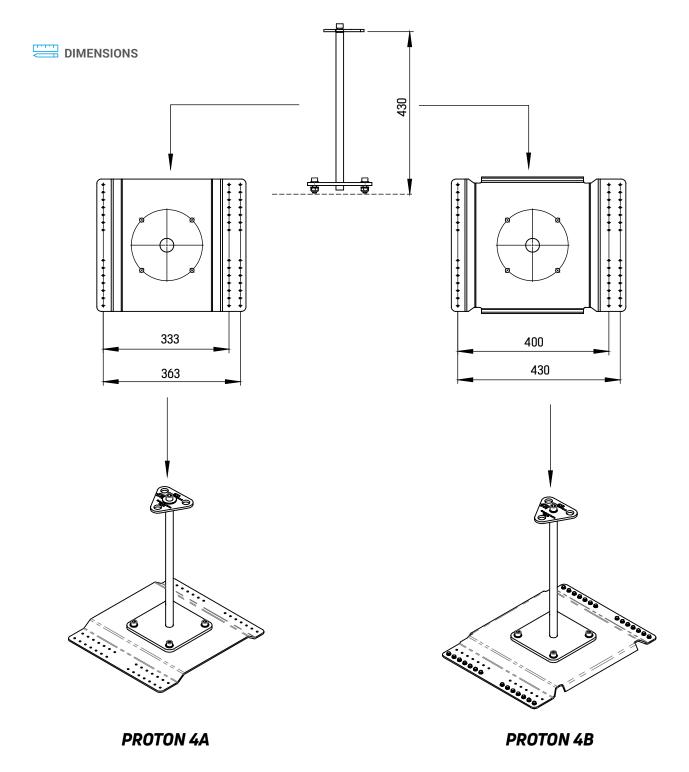
REF. NO.:

6

PROTON 4



# **Dimensions and variants of post PROTON 4**





**EN795 TYP A** nr kat.: **PROTON 5** 



Anchor post PROTON 5 can be installed on roofs, terraces, platforms and beams. It is equipped with a rotary plate with three holes enabling connection of personal fall protection equipment.

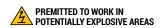
Comes with 4x mechanical anchors.

#### **PARAMETERS**

Height variants:	50 cm, 80 cm, 110 cm, 140 cm
Material:	hot-dip galvanized steel
Maximum strength:	28 kN

#### **SPECIAL FEATURES**





REF. NO.:	HEIGHT
PROTON 5 500	500 mm
PROTON 5 800	800 mm
PROTON 5 1100	1100 mm
PROTON 5 1500	1500 mm

# Mounting kit with retaining plate

HL 705 / Post retaining plate



#### **PARAMETERS**

Material:	hot-dip galvanized steel
Plate base dimensions:	23 x 23 cm
Mounting hole spacing::	140 - 180 mm

NR KAT.:

HL 705

# HL 910 / Mounting kit



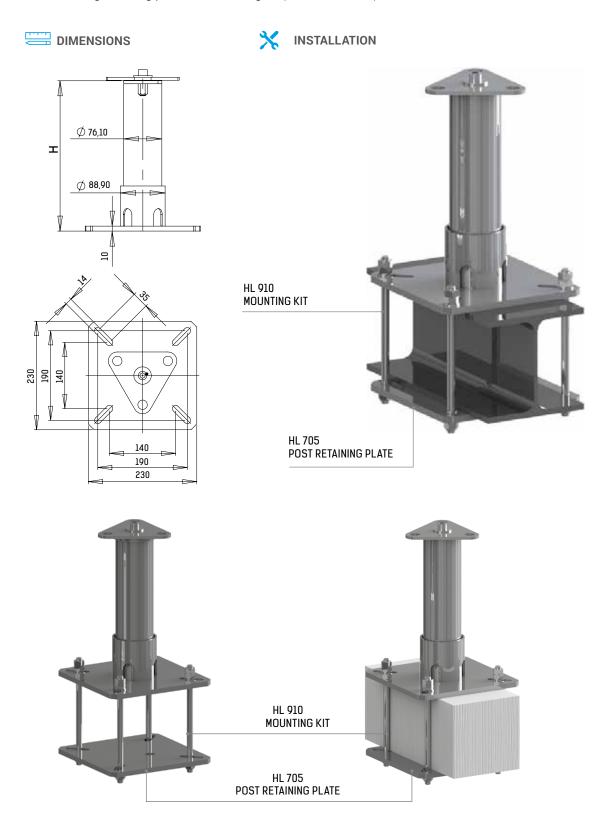
#### **PARAMETERS**

Material:	stainless steel	

REF. NO.:	HEIGHT	QUANTITY	
HL 910 125	125 mm	4 pcs kit	
HL 910 250	250 mm	4 pcs kit	
HL 910 500	500 mm	4 pcs kit	
HL 910 1000	1000 mm	4 pcs kit	

# **Example installation of post PROTON 5**

PROTON 5 installed using retaining plate and mounting kit (HL 705 + HL 910).





#### **EN795 TYPE B**

Ref. no.: **PROTON 6** 



Proton 6 is an anchor point for individual fall protection equipment. Proton 6 can be installed on HEB I-beams, 100mm to 300mm wide. The device is made of a strengthened aluminium alloy and stainless steel.

Two Proton 6 devices can be used as an anchor point for horizontal webbing AE 320.

### **PARAMETERS**

Minimum working height:	min. 1,75 m	
Material:	aluminium	
Weight:	~15 kg	
Maximum strength:	28 kN	

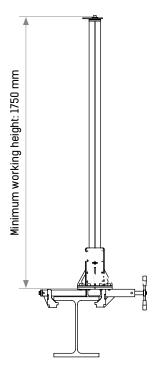
#### **SPECIAL FEATURES**

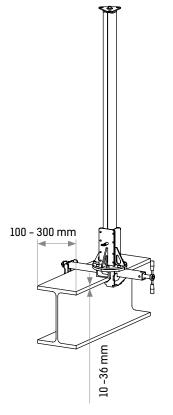


REF. NO.:

PROTON 6 (post + clamp kit)





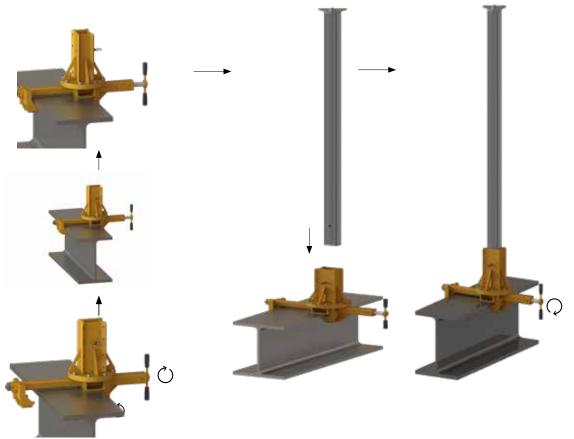


# **Example installation of post PROTON 6**

PROTON 6 mounted on HEB beam

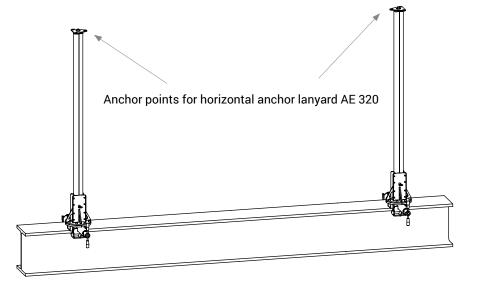


INSTALLATION





Proton 6 as an anchor point for horizontal anchor lanyard AE 320







Anchor point is an anchor device mounted on a permanent structure.

#### **SPECIAL FEATURES**



#### **PARAMETERS**

Material:	aluminium
Dimensions:	135 x 64 x 62 mm
Weight:	0,31 kg
Static strength:	min. 12 kN



# **PS 150**

Rubber pad PS 150 for anchor AT 150 to be used on uneven and porous concrete surfaces.

#### **PARAMETERS**

Material:	EPDM rubber
Dimensions:	62 x 135 x 2,8 mm
Weight:	19 g

# Kit AT 150 001

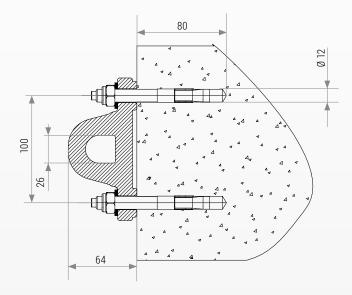
# installation on concrete

AT 150

+ stainless steel segment anchors M12/25/45



# INSTALLATION





#### THE KIT COMPRISES

1 x AT 150





2 x M12/25/45



# Kit AT 150 002

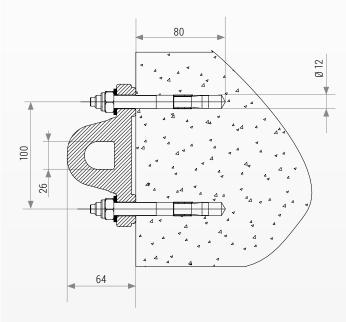
# installation on concrete

AT 150

+ galvanized steel segment anchors M12/25/45



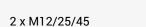
# INSTALLATION





1 x AT 150







# Kit AT 150 003

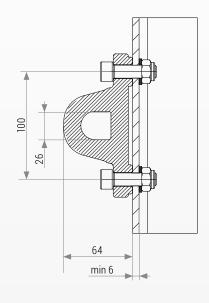
# installation on steel profile

AT 150

+ screws M12x40 + washer M12 + self-locking nut M12



# INSTALLATION





# THE KIT COMPRISES

1 x AT 150



2 x M12x40

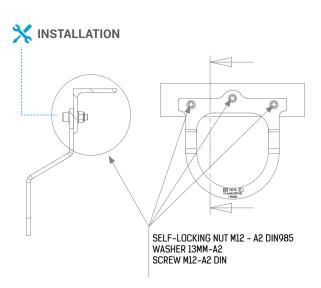


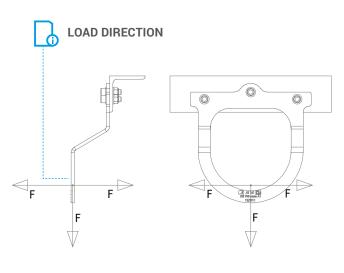


Ref. no.: **AT 151** 

**12** 







#### **PARAMETERS**

2,25 kg
stainless steel
300 x 296 x 98 mm
min. 12 kN

#### Anchor point AT 151 for concrete is intended for anchoring personal fall protection equipment. The anchor can be installed on steel or concrete structural slabs.

#### **SPECIAL FEATURES**





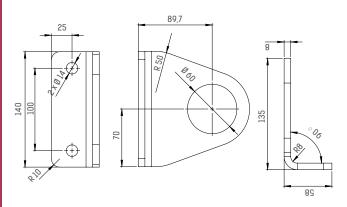
**EN795 TYPE A** 

Ref. no.: **AT 153** 

# AT 153



#### **DIMENSIONS**



Anchor point is an anchor device mounted on a permanent structure.

#### **PARAMETERS**

Dimensions:	140x135x58 mm
Sheet thickness:	8 mm
Material:	stainless steel AISI 304
Weight:	1,1 kg (without anchors/screws)
Breaking strength:	min. 32 kN

#### **SPECIAL FEATURES**



# Kit AT 153 001

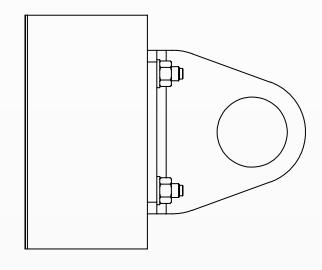
# installation on concrete

#### AT 153

+ stainless steel segment anchors M12/25/45



#### INSTALLATION





1 x AT 150



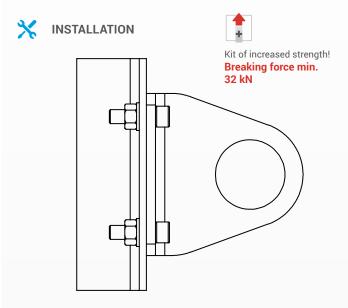


# Kit AT 153 002

# installation on steel profile

AT 153

+ screws M12x40 + washers + self-locking nuts M12





1 x AT 150



2 x M12x40

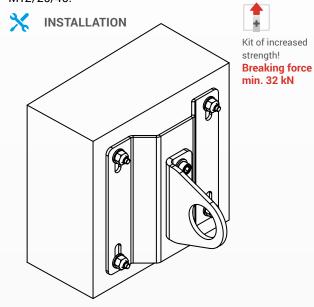


# Kit AT 153 003

# installation on concrete

AT 153

+ screws M12x40 + stainless steel segment anchors M12/25/45.





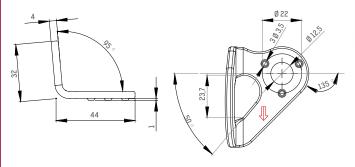








#### **DIMENSIONS**



Anchor point is an anchor device mounted on a permanent structure.

#### **PARAMETERS**

Dimensions:	56 x 48 x 35 mm
Material:	stainless steel AISI 304
Weight:	65 g
Breaking strength:	min. 12 kN
Mounting hole:	ø 12,5

#### **SPECIAL FEATURES**



# Kit AT 180 001

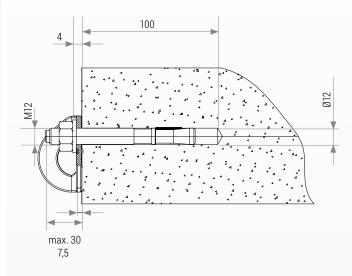
# installation on concrete

AT 180

+ stainless steel segment anchor



#### INSTALLATION



# THE KIT COMPRISES







12

# Kit AT 180 002

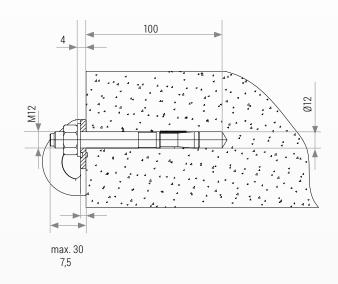
# installation on concrete

AT 180

+ galvanized steel segment anchor



#### INSTALLATION





#### THE KIT COMPRISES







# Kit AT 180 003

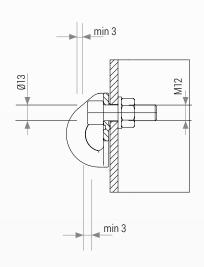
# installation on steel profile

AT 180

+ screw M12x40 + washer M12 + self-locking nut M12



# INSTALLATION





#### THE KIT COMPRISES









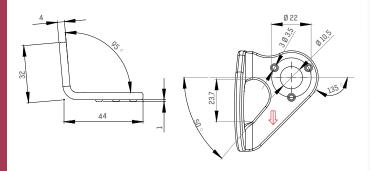
**EN795 TYPE A** 

Ref. no.: **AT 181** 

# **AT 181**



#### **DIMENSIONS**



Anchor point is an anchor device mounted on a permanent structure.

#### **PARAMETERS**

Dimensions:	56 x 48 x 35 mm
Material:	stainless steel AISI 304
Weight:	65 g
Breaking strength:	min. 12 kN
Mounting hole:	ø 10,5

#### **SPECIAL FEATURES**



# Kit AT 181 001

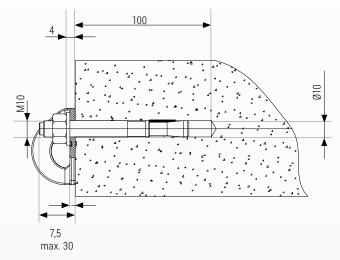
# installation on concrete

AT 181

+ stainless steel segment anchor



#### INSTALLATION











# Kit AT 181 002

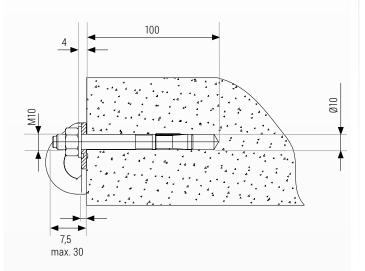
# installation on concrete

AT 181

+ galvanized steel segment anchor



# INSTALLATION



# THE

# THE KIT COMPRISES









# Kit AT 181 003

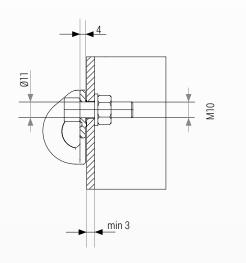
# installation on steel profile

AT 181

+ screw M12x40 + washer M12 + self-locking nut M12



# INSTALLATION





### THE KIT COMPRISES



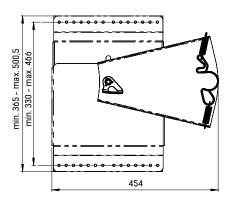








#### **DIMENSIONS**



Anchor point is an anchor device mounted on a permanent structure.

#### **PARAMETERS**

Material:	stainless steel AISI 304
Weight::	4,5 kg
Breaking strength:	min. 12 kN
Mounting hole:	ø 12,5

#### **SPECIAL FEATURES**

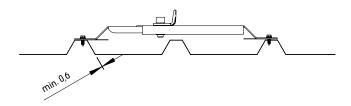


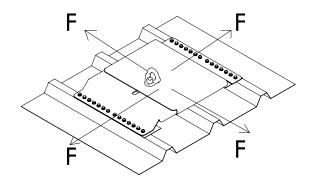
REF. NO.:

AT 182-01



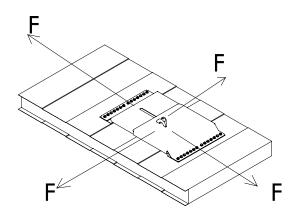
**INSTALLATION ON TRAPEZOIDAL SHEET** 





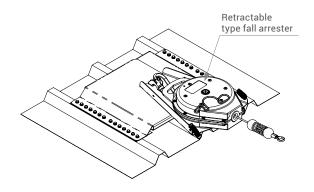


**INSTALLATION ON PERMANENT STRUCTURE** 





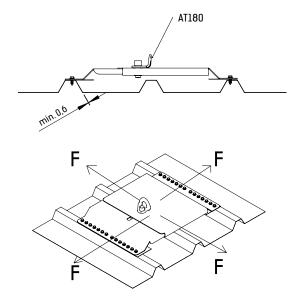
**EXAMPLE USE** 



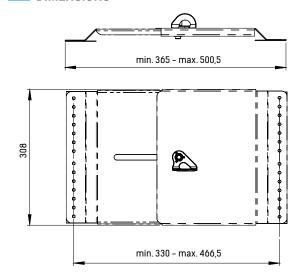
# EN 795 TYPE A Ref. no.: AT 182-02



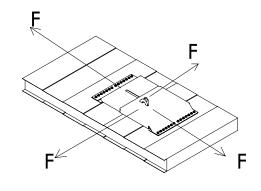




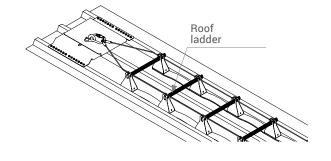
# **DIMENSIONS**



X INSTALLATION ON PERMANENT STRUCTURE



# **EXAMPLE USE**



Anchor point is an anchor device mounted on a permanent structure.

#### **SPECIAL FEATURES**



REF. NO.:

AT 182-02



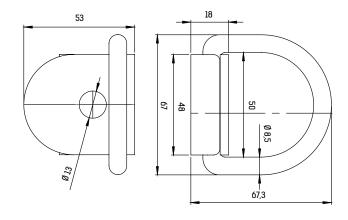
**EN795 TYPE A** 

Ref. no.: **AT 183** 

# **AT 183**



# **DIMENSIONS**



Anchor point is an anchor device mounted on a permanent structure.

#### **PARAMETERS**

Material:	stainless steel AISI 304
Breaking strength:	min. 12 kN
Mounting hole:	ø 13

#### **SPECIAL FEATURES**



REF. NO.:

AT 183

# Kit AT 183 001

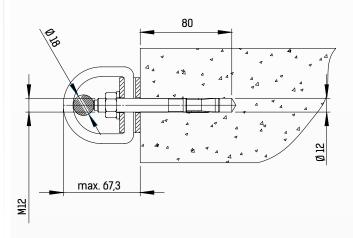
# installation on concrete

AT 183

+ stainless steel segment anchor



# INSTALLATION





1 x AT 183



1 x M12/25/45



REF. NO.:

AT 183 01

# Kit AT 183 002

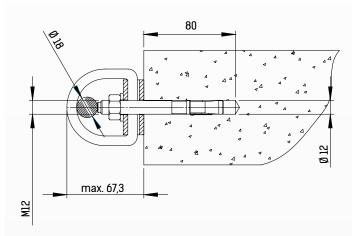
# installation on concrete

AT 183

+ galvanized steel segment anchor



# **X** INSTALLATION



# THE KIT COMPRISES









REF. NO.:

AT 183 002

# Kit AT 183 003

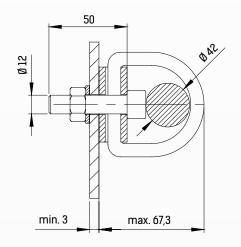
# installation on steel profile

AT 183

+ screw M12x40 + washer M12 + self-locking nut M12



# INSTALLATION







1	Х	M12x40	
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REF. NO.:

AT 183 003



**EN795 TYPE A2** 



Connecting lanyard AT 192 is a component of personal fall protection equipment. The lanyard should be used as a permanent anchor device type A, enabling connection of connecting and absorbing device to a structural anchor point. Connecting lanyard is formed by a stainless steel cable, 5mm dia. Device length from 0.35 to 5.0m. Fitted with a galvanized steel handle.

#### **PARAMETERS**

Material:	stainless steel + galvanized steel
Breaking strength:	min. 12 kN

#### **SPECIAL FEATURES**



REF. NO.:	AT 192 LENGTH	
AT 192 035	350 mm	
AT 192 100	1000 mm	
AT 192 200	2000 mm	
AT 192 300	3000 mm	
AT 192 400	4000 mm	
AT 192 500	5000 mm	
AT 192 xxx - any length from 0.35 to 5.0m as ordered		

# Kit AT 192 XXX 001

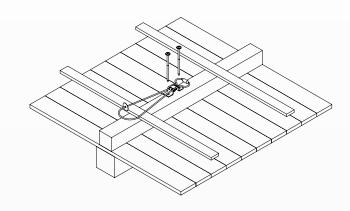
# assembly on wooden structures

AT 192

+ galvanized steel wood screw



**X** INSTALLATION



# THE KIT COMPRISES

1 x AT 192

2 x



1222222

REF. NO.:	AT 192 LENGTH
AT 192 035 001	350 mm
AT 192 100 001	1000 mm
AT 192 200 001	2000 mm
AT 192 300 001	3000 mm
AT 192 400 001	4000 mm
AT 192 500 001	5000 mm

# Kit AT 192 XXX 002

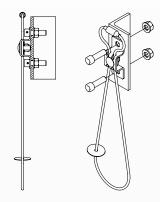
# installation on steel profile

AT 192

+ screw M12x40-70 A2 + washer M12 + self-locking nut M12



# **X** INSTALLATION





1 x AT 192



#### 2 x M12x40-70 A2



REF. NO.:	AT 192 LENGTH
AT 192 035 002	350 mm
AT 192 100 002	1000 mm
AT 192 200 002	2000 mm
AT 192 300 002	3000 mm
AT 192 400 002	4000 mm
AT 192 500 002	5000 mm

# Kit AT 192 XXX 003

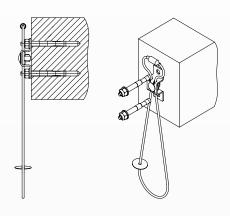
# assembly on wooden structures

AT 192

+ galvanized steel segment anchor



# **X** INSTALLATION





# THE KIT COMPRISES







REF. NO.:	AT 192 LENGTH
AT 192 035 003	350 mm
AT 192 100 003	1000 mm
AT 192 200 003	2000 mm
AT 192 300 003	3000 mm
AT 192 400 003	4000 mm
AT 192 500 003	5000 mm



**EN 795 TYPE B** 

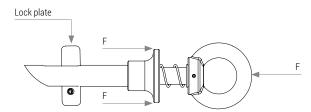
Ref. no.: AT 020

12

# 240 mm 220 mm 220 mm 200 mm 20

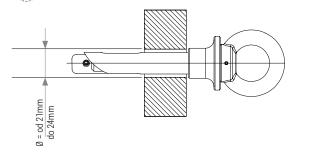


Push the device as shown



Anchor point AT 020 is intended for anchoring personal fall protection equipment. The anchor is intended for installation on vertical, horizontal or inclined surfaces, in a specially prepared bore hole.

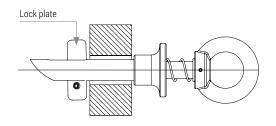
# 2 Put anchor point in bore hole



# PARAMETERS

galvanized steel, stainless steel, aluminium
~ 0,66 kg
no less than 12 kN

#### Make sure that lock plate disables the anchor point removal

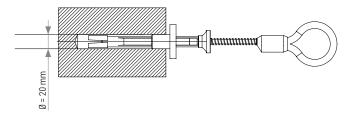


#### **SPECIAL FEATURES**





2 Put anchor point in bore hole



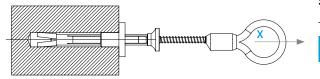
Make sure that stones are locked in the hole by pulling the device in direction shown by arrow "X".

Anchor AT021 is an easy-to-mount temporary anchor point for permanent structures, intended for protection of 1 user, installed on concrete of class min. B20. The anchor AT021 can be used for installation on vertical, horizontal or inclined surfaces.

#### **PARAMETERS**

Static strength:	no less than 12 kN	
Surface strength:	min. concrete B20	
Weight:	280 g	
Material:	zinc-anodized galvanized steel stainless steel, aluminium	

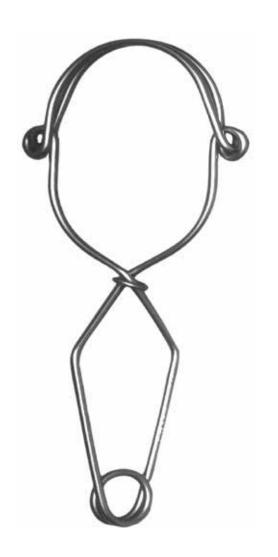
#### SPECIAL FEATURES

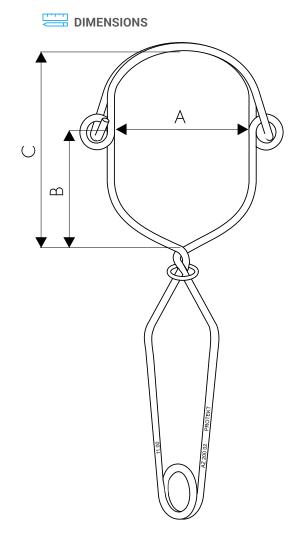






#### (€ **EN 362** Ref. no.: AZ 200





#### **PARAMETERS**

Material:	stainless steel + copper
Weight:	min. 12 kN

Dimension		DEVICE VERSION	
	AZ 200 01	AZ 200 02	AZ 200 03
Α	81	112	140
В	85	105	125
С	128	175	208

#### **SPECIAL FEATURES**



REF. NO.:

AZ 200 01 CLEARANCE 81 MM	346 mm
AZ 200 02 CLEARANCE 112 MM	373 mm
AZ 200 03 CLEARANCE 140 MM	415 mm

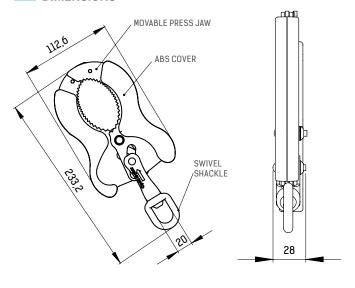
Formed by a single stainless steel rod, 6mm dia. Pipe anchor is a component of fall protection equipment, and is intended to connect connecting and absorbing device (e.g. energy absorber with lanyard, retractable type fall arrester, guided type fall arrester work rope) to a structural anchor point.

Maximum opening of the pipe anchor when placing on a profile cannot be greater than dimension A for a given model, as provided in the table.

EN 795 TYPE B Ref. no.: AZ 300



# DIMENSIONS





Anchor device AZ 300 is intended for use by one person; to be used as a protection against falls from a height when working on scaffolds. To be used on tubes, 44.5 - 50mm dia.

#### **SPECIAL FEATURES**



### **PARAMETERS**

Opening:	52 mm
Breaking strength:	min. 12 kN
Material:	stainless steel, ABS
Weight:	880 g

REF. NO.:

AZ 300



Ref. no.: AT 060

#### **INSTALLATION**

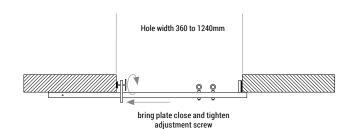
Place anchor beam inside opening in the ground or on sill.



Make sure that beam is horizontal and if it fits tightly to the wall. Then bring mounting plate close to the hole side surface.



Bring adjustment plate close to the opposite side surface on the hole. Push adjusting plate firmly by tightening adjustment screw to the hole side surface.



Anchor beam AT 060 is a component of fall protection equipment and can be used as a portable anchor device. The beam can be used in building openings (windows and doors), 350 to 1240mm wide. It is fitted with two fixing plates.

#### **PARAMETERS**

zinc-anodized steel
1415 x 150 x 100 mm
6,9 kg
min. 13 kN

#### **SPECIAL FEATURES**



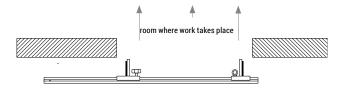
12

( ( **EN 795 TYPE B** Ref. no.: AT 061



## **INSTALLATION**

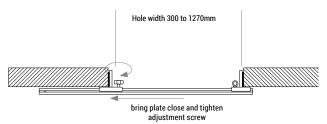
Place anchor beam inside opening in the ground or on sill.



Make sure that beam is horizontal and if it fits tightly to the wall. Then bring mounting plate close to the hole side surface.



Bring adjustment plate close to the opposite side surface on the hole. Push adjusting plate firmly by tightening adjustment screw to the hole side surface.



Light aluminium alloy anchor beam AT 061 is a component of fall protection equipment and can be used as a portable anchor device. The beam can be used in building openings (windows and doors), 300 to 1270mm wide. It is fitted with two fixing plates.

#### **PARAMETERS**

Material:	aluminium
Dimensions:	1422 x 122 x 100 mm
Weight:	3,2 kg
Static strength:	min. 12 kN





#### **EN 795 TYPE B**



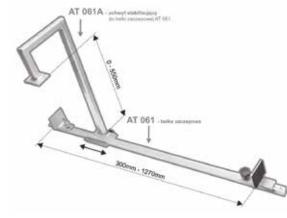




Place anchor beam inside opening in the ground or on sill. If the beam is horizontal and fits the wall firmly, bring mounting plate close to the hole side surface. Bring adjustment plate close to opposite side surface on the hole and push adjustment plate firmly by tightening adjustment screw to the hole side surface.



Light aluminium alloy anchor beam AT 062 with a stabilising clamp is a component of fall protection equipment and can be used as a portable anchor device. The beam can be used in building openings (windows and doors), 300 to 1270mm wide. It is fitted with two fixing plates. Beam AT 062 must be used with personal fall protection equipment.



#### **PARAMETERS**

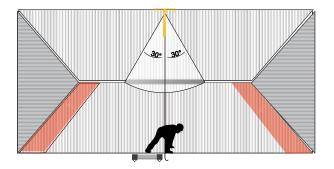
Material:	aluminium
Weight:	6,7 kg
Dimensions:	1455 x 300 x 200 mm
Static strength:	min. 12 kN



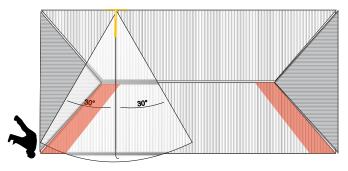




INSTALLATION







The anchor is suitable for most sheet profiles available on the market.

#### **PARAMETERS**

Material:	powder coated steel
Dimensions:	495 x 500 x 100 mm
Weight:	~3,70 kg
Static strength:	>12 kN
Breaking strength:	>12 kN

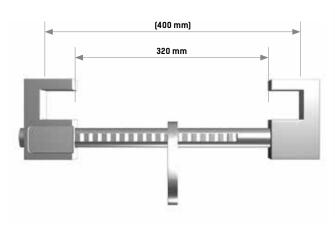


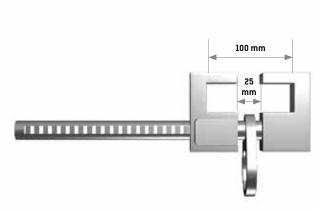


#### **EN 795 TYPE B** Ref. no.: **AT 250**









Anchor device AT 250 is a portable anchor point, suitable for use with an I-beam rail. The rail must be fixed to a permanent structure.

#### **PARAMETERS**

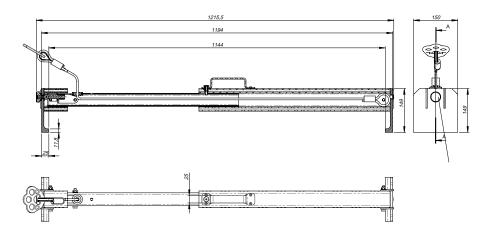
Minimum opening:	25 mm
Maximum opening:	320 mm
Material:	aluminium
Dimensions:	440 x 100 x 45 mm
Weight:	1,37 kg

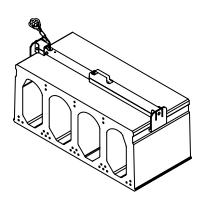




## **DIMENSIONS**







**PARAMETERS** 

Materiał:	aluminium, stainless steel, galvanized steel
Dimensions when folded:	150 x 805 x 150 mm
Weight:	8 kg
Minimum breaking strength:	15 kN
Number of users:	max. 3

#### **SPECIAL FEATURES**



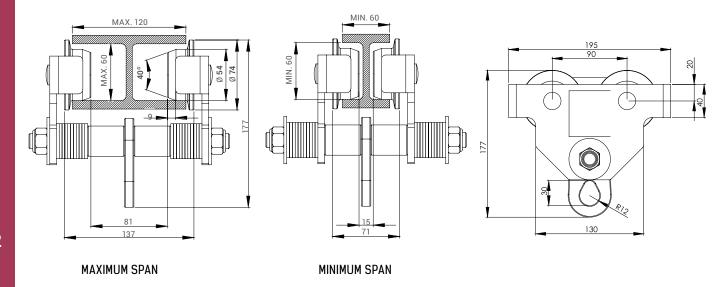


12

# EN 795 TYPE B Ref. no.: AT 100



#### **DIMENSIONS**



#### **PARAMETERS**

Weight:	5,2 kg
Material:	painted galvanized steel

#### **SPECIAL FEATURES**

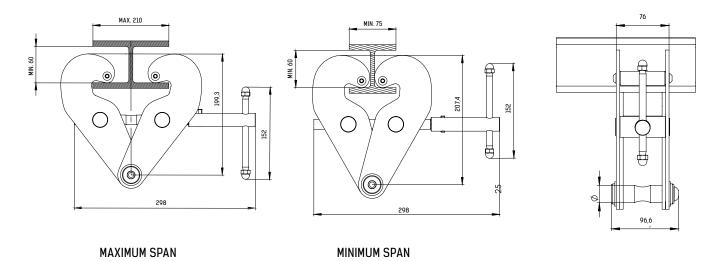


Anchor trolley ST 010 is designed as a portable anchor (attachment) point. It must be used with fall protection equipment. The trolley moves (drives) along a horizontal I-beam (rail). The rail must be fixed to a permanent structure. Anchor trolley ST 010 can be used with rails, 65mm to 120mm wide. The trolley provides protection for one person only.

# EN 795 TYPE B Ref. no.: AT 120



#### **DIMENSIONS**



#### **PARAMETERS**

Weight:	4 kg
Material:	painted galvanized steel

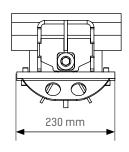
#### **SPECIAL FEATURES**

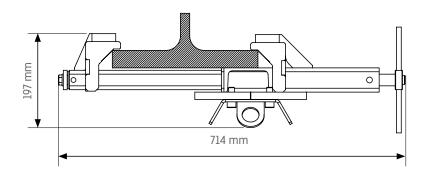


Anchor device ST 020 is a portable anchor point (as a protection for one person) suitable for use with an I-beam rail. The rail must be fixed to a permanent structure. Anchor device ST 020 can be used with rails, 75mm to 210mm wide.



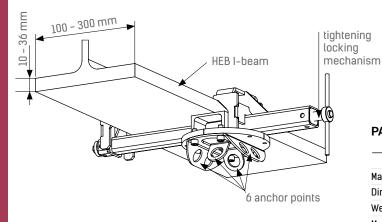
#### DIMENSIONS





### X

#### INSTALLATION



#### **PARAMETERS**

Material:	zinc-anodized steel
Dimensions:	72 x 20 x 23 cm
Weight:	~16,5kg
Maximum number of users:	Max. 6 users

# Anchor device ST 030 is an element of personal fall protection equipment.

The device is a portable anchor point for fall protection equipment. The device can be mounted on HEB I-beams with flange 100 to 300mm wide and 10 to 36mm thick. The device provides protection for up to 6 users at a time. It is made of zinc-anodized and powder-coated steel.

$\mathfrak{L}$	$\mathfrak{L}$	$\mathfrak{L}$	Protection of
$\mathfrak{L}$	Ω	$\mathfrak{L}$	up to 6 people

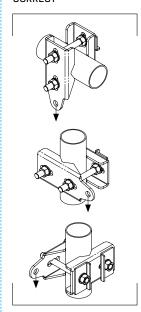
#### **EN 795 TYPE A**

Ref. no.: AC 340

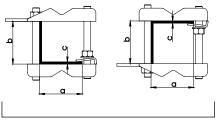


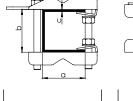
## \* INSTALLATION

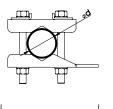
#### CORRECT



#### **DIMENSIONS**







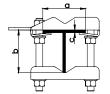
d = 30 Ø - 90 mm Ø

INCORRECT

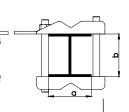


a = 30-100 mm b = 30 -100 mm c = max. 12 mm

a = 30-100 mm b = 30 -100 mm c = max. 12 mm







a = 30-100 mm b = 30 -100 mm c = max. 12 mm

a = 30-100 mm b = 30 -100 mm c = max. 12 mm

Anchor device AC 340 is a portable anchor point (as a protection for one person) suitable for use with I-beams as shown above. They can be used also on tubes, 90mm dia max.

#### **PARAMETERS**

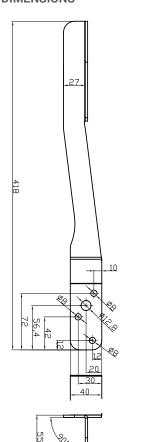
Material:	stainless steel
Dimensions:	208 x 97 x 75 (min.) - 140 (max.) mm
Weight:	2,50 kg
Mounting range:	75-140 mm

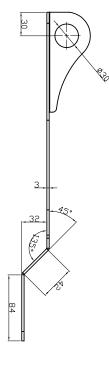






#### **DIMENSIONS**





Can be mounted on structures by mechanical, chemical anchors or bolts. Possibility of mounting on wooden structures.

#### **PARAMETERS**

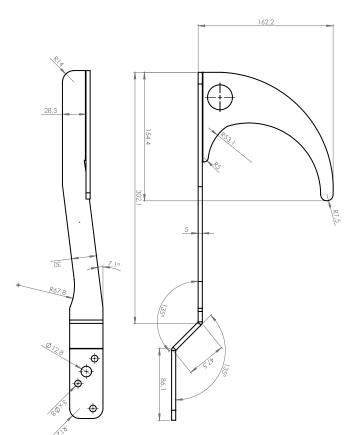
stainless steel
418 x 194,8 mm
0,54 kg
5 mm
min. 10 kN



#### **EN 795 TYPE A2** Ref. no.: **AT 402**



#### **DIMENSIONS**



Can be mounted on structures by mechanical, chemical anchors or bolts. Possibility of mounting on wooden structures.

#### **PARAMETERS**

Material:	stainless steel
Dimensions:	418 x 194,8 mm
Weight:	0,54 kg
Sheet thickness:	5 mm
Static strength:	min. 10 kN
Permissible dead load:	2 kN







The AZ640 webbing sling is an anchoring device designed to create a point on the construction site ensuring the connection of a safety harness (connection and shock-absorbing system) in the place of risk of falling.

The webbing sling is designed to be installed in the middle of a

reinforced concrete structure (reinforced concrete) in order to create a point for fastening safety harnesses and permanent horizontal safety systems. The webbing sling is intended for use by only one employee. The device has been tested and positively certified in accordance with EN 795: 2012 (Fall protection from height, Anchor devices, Requirements and tests, TYPE B). The webbing sling can be used with a self-locking device, in accordance with the EN 360 standard.

#### **PARAMETERS**

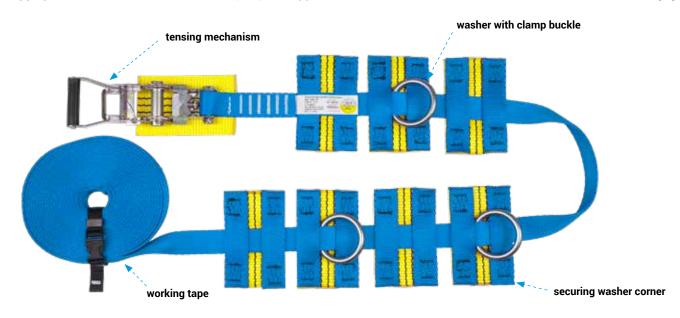
polyester, width 45 mm, thickness 2,5 mm
polyethylene
galvanized steel



LENGTH
0,5 m
1,0 m
1,5 m
2,0 m

#### **EN 795:2012 TYPE B**





## CORNER WASHER AE 100-001-000

# 日日日

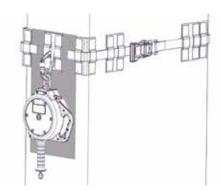
#### **CARRIER BAG**



# DEVICE COVER FOR RETRACTABLE TYPE FALL ARRESTER AE 100-002-000



DEVICE VERSIONS	LENGTH	
AE 100 03	3,0 m	
AE 100 05	5,0 m	
AE 100 10	10,0 m	
AE 100 20	20,0 m	
AE 100 30	30,0 m	
AE 100 40	40,0 m	
AE 100 50	50,0 m	
AE 100 -001-000		
AE 100 -002-000		

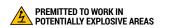


AE 100 is a new column anchoring point intended for simultaneous connecting of 3 persons. AE 100 can be installed on reinforced concrete, steel posts and skylight constructions. The set consists of: working tape with maximum length of 50 m with tensing mechanism 4 washers to secure the construction 3 washers with clamp buckles type transport bag

#### **PARAMETERS**

Material:	galvanized steel tapes: polyester
Available lengths:	3 m, 5m, 10 m, 20 m, 30 m, 40,m 50 m
Tape width:	35 mm
Number of users:	3
In accordance with the standard	EN 795:2012 type B / CE





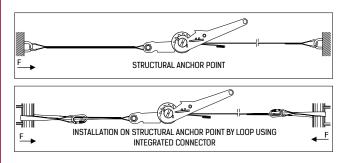




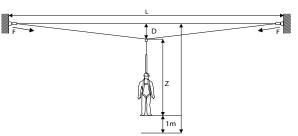




Horizontal webbing can be attached to a structural anchor point directly or by a loop using the integrated connector, or by connecting lanyard. Minimum loads at both webbing sides: 24 kN for one user, 27 kN for 2 user and 29 kN for 3 users.







Liczba	L									
u¿ytkow-	5 m		7 m		10 m		15 m		20 m	
ników	D [m]	F [kN]								
1	0,65	24,00	0,91	24,00	1,30	24,00	1,94	24,00	2,59	24,00
2	0,68	27,00	0,96	27,00	1,37	27,00	2,05	27,00	2,73	27,00
3	0,72	29,00	1,00	29,00	1,43	29,00	2,15	29,00	2,86	29,00

height = 5.5m

CLR[m] - required distance = D+Z+1m

Adjustable horizontal lifeline (horizontal fall protection line). The device is delivered with two steel connectors AZ 060 and cargo bag. To be used for works requiring frequent mobility in the horizontal.

The device AE 320 complies with EN 795 type B (portable anchor points). The device AE 320 is intended for protection of 3 users at a time.

#### **PARAMETERS**

webbing - polyester Material: webbing tensioner/length adjuster - steel protected against corrosion by galvanization



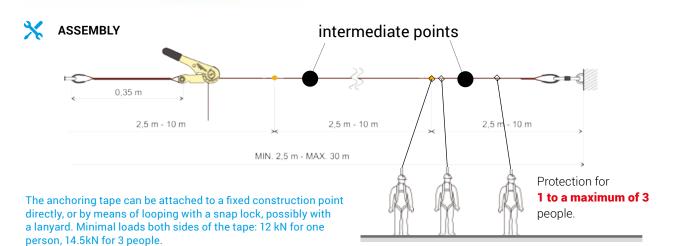
DEVICE VERSIONS	LENGTH	WEIGHT	
AE 320 10	10,0 m	4,00 kg	
AE 320 20	20,0 m	5,20 kg	

ref. no.: AE321 XX

12

# EN795:2012/B CEN/TS 16415:2013/B





As intermediate points you can use snap-locks that meet the load requirements of 14.5 kN.

#### **SPECIAL FEATURES**





#### **PARAMETERS**

Maximum number users:	3 persons
Maximal length:	30 m, 20m, 10m
Minimal length:	2,5 m
	tape - polyester

belt tensioner / regulator - galvanized zabezpieczona przed korozją

Horizontal anchoring rope (horizontal safety rope) with adjustable length. A transport bag is enclosed in the set with the device. The device is used to provide protection during works that require frequent movement in a horizontal plane. The AE 321 rope meets the requirements of EN 795: 2012 type B (portable anchoring points for equipment) and CEN/TS 16415:2013/B. The AE 321 device is intended for simultaneous protection of 1 to 3 people. It can work with the set EN 345/355 and EN 353-2, EN 360. As intermediate points you can use snap-locks that meet the load requirements of 14.5 kN.

VERSIONS OF THE DEVICE	LENGTH
AE 321 10	10 m
AE 321 20	20 m
AE 321 30	30 m



Material:

5 m

10 m

20 m





#### **DEVICE STANDARD CONFIGURATIONS**





#### Ref. no. LP200FLR/AZ002

Horizontal lifeline with adjuster LP 200 FLR with connector

AZ 002 (galvanized steel, opening 18mm)



#### Ref. no. LP200FLR/AZ003

Horizontal lifeline with adjuster LP 200 FLR with connector

AZ 003 (aluminium, opening 20mm)



#### Ref. no. LP200FLR/AZ002/AZ029

Horizontal lifeline with adjuster LP 200 FLR with connector

AZ 029 (galvanized steel, opening 50mm)



#### Ref. no. LP200FLR/AZ002/AZ011

Horizontal lifeline with adjuster LP 200 FLR with connectors

AZ 002 (galvanized steel, opening 18mm) AZ 011 (galvanized steel, opening 18mm)





#### Ref. no.LP200FLR/AZ029/AZ011

Horizontal lifeline with adjuster LP 200 FLR with connector

AZ 029 (galvanized steel, opening 50mm)





AZ 011 (galvanized steel, opening 18mm)





#### Ref. no.LP200FLR/2AZ003

Horizontal lifeline with adjuster LP 200 FLR with connector

2 x AZ 003 (aluminium, opening 20mm)





#### Ref. no.LP200FLR/AZ029/AZ003

Horizontal lifeline with adjuster LP 200 FLR with connector

AZ 029 (galvanized steel, opening 50mm) AZ 003 (aluminium, opening 20mm)





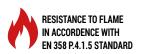
#### Ref. no.LP200FLR/2AZ029

Horizontal lifeline with adjuster LP 200 FLR with connector

2 x AZ 029 (galvanized steel, opening 50mm)



aramid kernmantle lanyard



**PARAMETERS** 

Material:

Manufacture:

Diameter:

#### Ref. no. LB200FLR

Horizontal lifeline with adjuster LP 200 FLR

WITHOUT CONNECTORS

5 m 10 m 20 m

polyamide

Ref. no.: **AZ 700** 



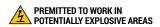
Webbing sling AZ 700 is formed by polyamide webbing 45mm wide. Inner side of the sling has non-slip rubber protective coating. It is suitable for protection of 3 users at a time with device AE 320.

#### **PARAMETERS**

Material:	polyester, rubber, galvanized steel	
Webbing width:	45 mm	
Static strength:	30 kN	
DEVICE VERSIONS	LENGTH	
AZ 700 090	90 cm	
AZ 700 140	140 cm	
AZ 700 200	200 cm	

#### **SPECIAL FEATURES**





# **AZ 410**

#### **Connecting lanyard**

Ref. no.:

AZ 410, AZ 430

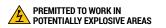


Connecting lanyard AZ 410 is a component of fall protection equipment. When combined with an energy absorber
(e.g. ABM) forms a connecting and absorbing device.
Connecting lanyard is a portable anchor point complying
with EN 795/B. Connecting lanyard AZ 430 is a portable
anchor point complying with EN 795/B. It is suitable
for protection of 3 users at a time with device AE 320.
Material: galvanized steel cable, 6.3mm dia, fitted with loops
with thimbles at both endings. The middle part of the lanyard is
protected by a transparent plastic tube.

Material:	steel	
Manufacture:	kernmantle rope	
Diameter:	6,3 mm	

#### **SPECIAL FEATURES**





DEVICE VERSIONS	LENGTH	
AZ 410	1,0 m	
AZ 410	2,0 m	
AZ 430	3,0 m	
AZ 430	5,0 m	
AZ 430	10,0 m	

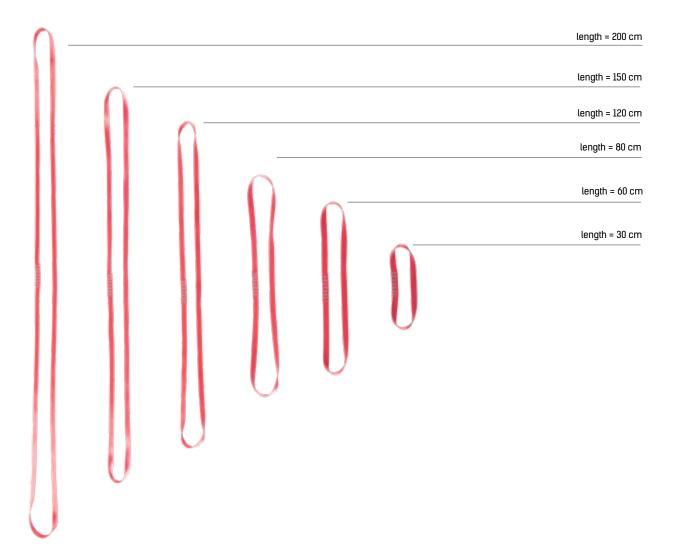


**ANCHOR POINTS AND DEVICES** 

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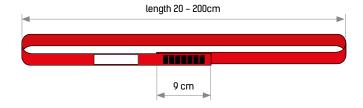
#### EN 354, EN 566, EN 795 TYPE B

Ref. no.: **AZ 900** 



Webbing sling AZ 900 is:

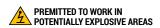
- 1. a component of fall protection equipment when combined with an energy absorber (e.g. ABM) forms connecting and absorbing device complying with EN 354,
- a component of fall protection equipment, intended for connection of connecting and absorbing device to a structural anchor point.



#### **PARAMETERS**

Material:	textile webbing
Webbing width:	20 mm
Length:	30 cm ÷ 200 cm

#### **SPECIAL FEATURES**

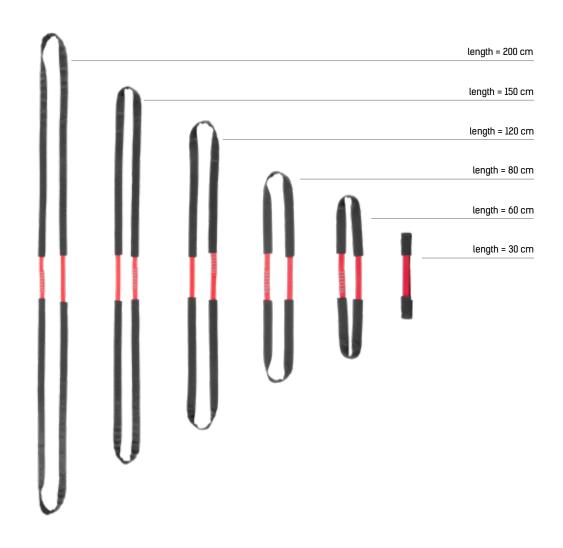


LENGTH			
30 cm			
60 cm			
80 cm			
120 cm			
150 cm			
200 cm			

**ANCHOR POINTS AND DEVICES** 

#### EN 354, EN 566, EN 795 TYPE B

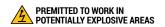
Ref. no.: **AZ 910** 



Webbing sling AZ 900 is: component of fall protection equipment – when combined with an energy absorber (e.g. ABM) forms connecting and absorbing device complying with EN 354, a component of fall protection equipment, designed to connect connecting and absorbing device to a structural anchor point.

#### **PARAMETERS**

Material:	webbing - textile webbing sleeve - polyester
Webbing width:	20 mm
Protective sleeve width:	35 mm
Length:	30 cm ÷ 200 cm

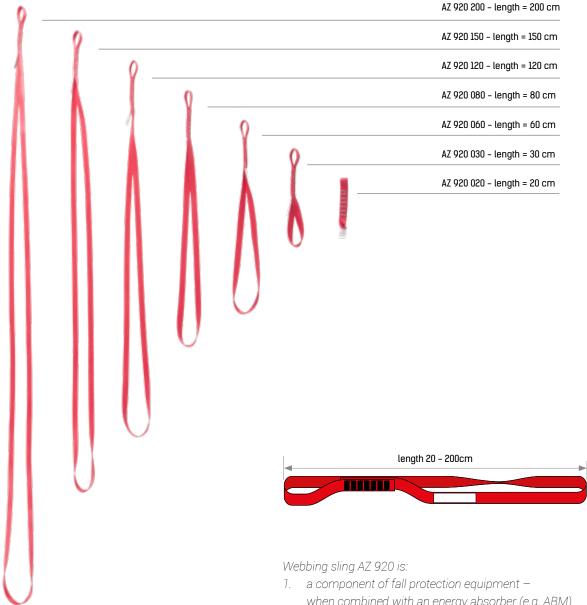


LENGTH			
30 cm			
60 cm			
80 cm			
120 cm			
150 cm			
200 cm			



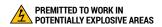
#### EN 354, EN 566, EN 795 TYPE B

Ref. no.: AZ 920



#### **PARAMETERS**

Material:	textile webbing	
Webbing width:	20 mm	
Length:	20 cm ÷ 2 m	

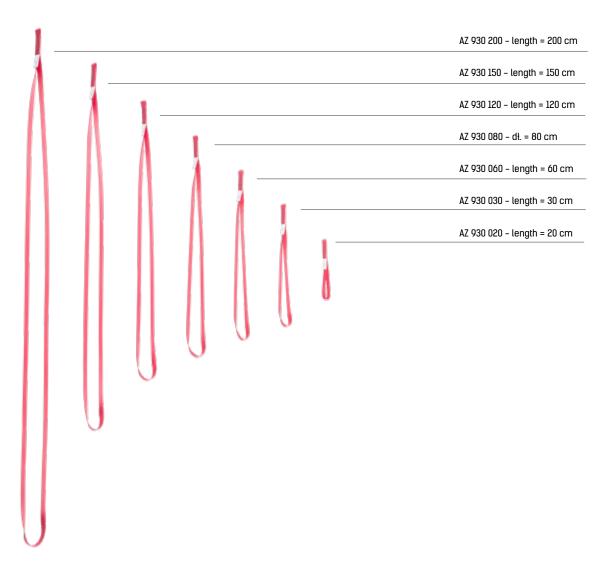


- a component of fall protection equipment when combined with an energy absorber (e.g. ABM) forms connecting and absorbing device complying with EN 354,
- a component of fall protection equipment, intended for connection of connecting and absorbing device to a structural anchor point.

LENGTH	LENGTH
20 cm	120 cm
30 cm	150 cm
60 cm	200 cm
80 cm	

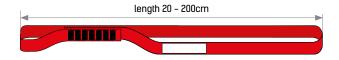
#### EN 354, EN 566, EN 795 TYPE B

Ref. no.: **AZ 930** 



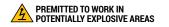
#### Webbing sling AZ 930 is:

- 1. a component of fall protection equipment when combined with an energy absorber (e.g. ABM) forms connecting and absorbing device complying with EN 354,
- a component of fall protection equipment, intended for connection of connecting and absorbing device to a structural anchor point.



#### **PARAMETERS**

textile webbing	
20 mm	
20 cm ÷ 2 m	
	20 mm





Ref. no.:

TU 701

#### **PARAMETERS**

Material:	polyester
Rope diameter:	Ø 12 mm
Lengths:	80 cm, 85 cm, 90 cm, 100 cm

LENGTH

80 cm

85 cm

90 cm

100 cm

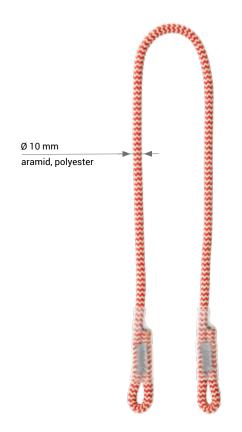
# **TU 810**

KLK 100

#### **Prusik**

#### **EN 795 TYPE B**

Ref. no.: TU 810



#### **PARAMETERS**

Material:	aramid, polyester	
Rope diameter:	Ø 10 mm	
Lengths:	80 cm, 85 cm, 90 cm, 100 cm	

#### **SPECIAL FEATURES**

PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS

LENGTH

80 cm

85 cm

90 cm

100 cm

Ref. no.:

# SPECIAL FEATURES

Ê	PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS
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TU 811

#### **PARAMETERS**

Material:	aramid, polyester	
Rope diameter:	Ø 10 mm	
Lengths:	80 cm, 85 cm, 90 cm, 100 cm	
LENGTH		
80 cm		
85 cm		
90 cm		
70 OIII		

# **TU 812**

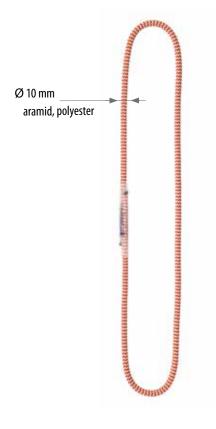
#### Prusik

Ref. no.:

#### **EN 795 TYPE B**

TU 812

1
7



#### **PARAMETERS**

Material:	aramid, polyester
Rope diameter:	Ø 10 mm
Lengths:	80 cm, 85 cm, 90 cm, 100 cm

#### **SPECIAL FEATURES**

	PREMITTED TO WORK IN  POTENTIALLY EXPLOSIVE AREAS
<u>/7</u> \	POTENTIALLY EXPLOSIVE AREAS

ΙF	Mſ	TF	Ή

80 cm

85 cm

90 cm

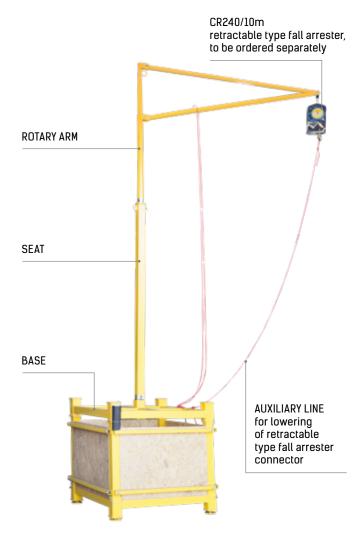
100 cm

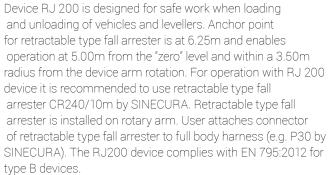
12

#### **EN 795:2012 TYPE B**

Ref. no.: **RJ 200** 

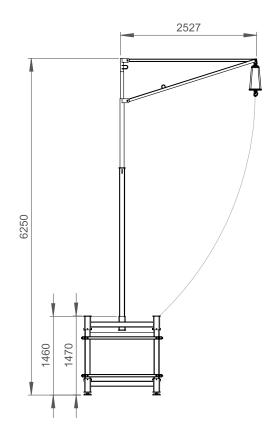


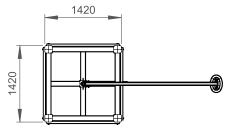




#### **SPECIAL FEATURES**







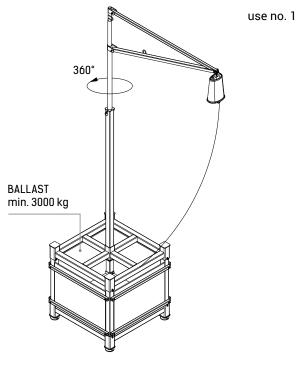
#### USE:

- construction works on steel structures, works on façades based on steel structures,
- · works at a height.

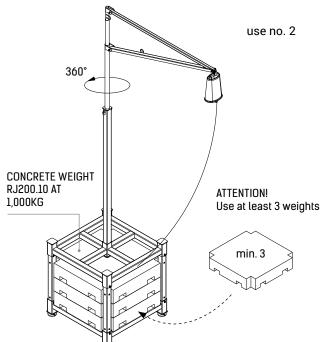
#### **PARAMETERS**

laterial:	powder coated steel
	Base - 500,0kg +/- 20,0kg
Voight.	Seat - 76,4kg
Weight:	Rotary arm - 65,0kg
	Concrete weight - 1000,0kg +/- 20,0kg
mperature range:	-30°C / +50°C
Static strength:	no less than 12 kN
	(complies with EN 795:2012 TYPE B)

# EXAMPLE USE



(€



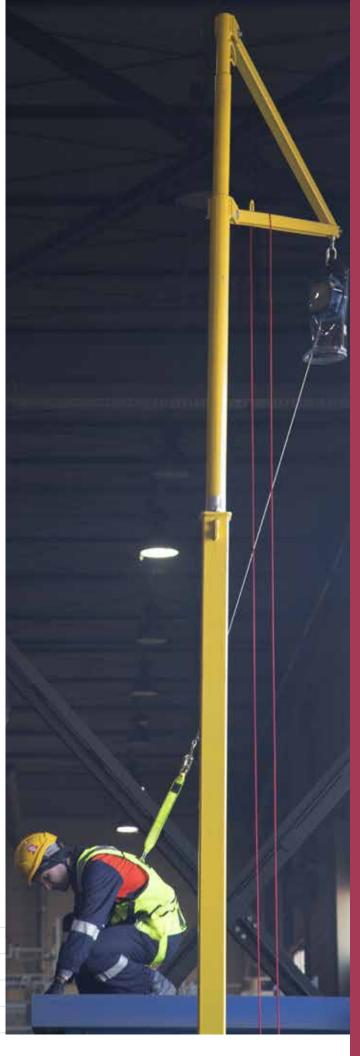
DEVICE VERSIONS

RJ 200

RJ 200 10 - weight (1 pce)

CR 240 – 10 m

OS 010 - cover for CR 240





**EN 795:2012 TYPE B** 

# **ANCHOR POINTS AND DEVICES**

12

# **RJ 200** for embedding in concrete elements

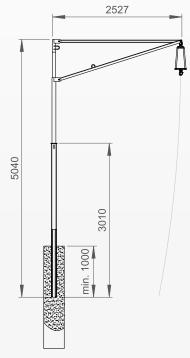
use no. 3

Seat is embedded in a concrete structure, and arm can be mounted in seats.

#### ATTENTION!!!

Minimum depth for embedding the seat in concrete is 1.0m..





#### USE:

- construction works on construction site or boarding works,
- works at a height.

#### **PARAMETERS**

Material:	powder coated steel
Weight:	Seat - 76,4kg Rotary arm - 65,0kg
Temperature range:	-30°C / +50°C
Static strength::	no less than 12 kN (complies with EN 795:2012 TYPE B)

REF. NO.:

**RJ 200** 

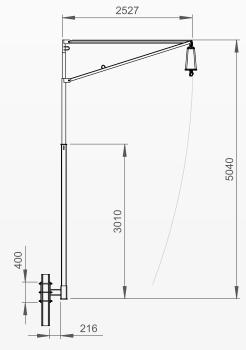
# **RJ 200** for mounting on steel structures

use no. 4

Device RJ 200 can be used as an anchor point for mounting on steel structures using special side seat and retaining plate and screws or threaded rods M16.

Seat with retaining plate forms a "clamp" around steel structure without interfering with its framework.

#### **DIMENSIONS**



#### USE:

- construction works on steel structures, works on façades based on steel structures,
- works at a height.

#### **PARAMETERS**

powder coated steel
Seat - 76,4kg
Rotary arm - 65,0kg
Side seat - 25,0kg
Plate - 12,0kg
-30°C / +50°C
no less than 12 kN
(complies with EN 795:2012 TYPE B)

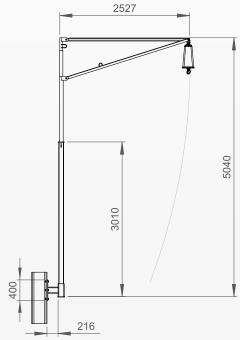
# **RJ 200** for mounting on steel or concrete structures

use no. 5

Device RJ 200 can be used as an anchor point for mounting on steel or concrete structures using special side seat and screws or threaded rods M16.

It is required to prepare bore holes in the structure.





#### USE:

- construction works on steel or reinforced-concrete structures, works on façades based on steel or reinforced-concrete structures,
- works at a height.

#### **PARAMETERS**

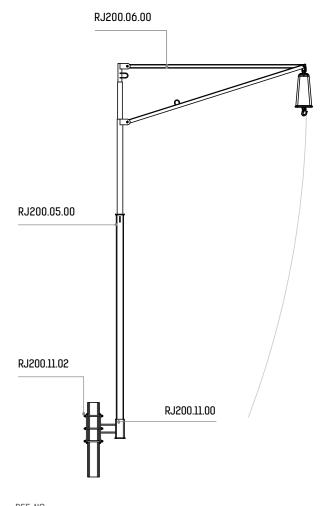
Material:	powder coated steel
	Seat - 76,4kg
Weight:	Rotary arm - 65,0kg
	Side seat - 25,0kg
Temperature range:	-30°C / +50°C
Chatia atropath	no less than 12 kN
Static strength:	(complies with EN 795:2012 TYPE B)

REF. NO.:

**RJ 200** 



## Price list of components for RJ 200



REF. NU.:		
RJ200.05.00		
RJ200.06.00		
RJ200.11.00		
RJ200.11.02		





1. ROTARY ARM RJ200.06.000



**2. SOCKET** RJ200.05.000



3. BASKET RJ200



4. CONCRETE UNIT WEIGHT 1000,0 KG +/- 20,0 KG RJ200.10.000





**5. SIDE SOCKET + PLATE** RJ200.11.000 + RJ200.11.002





**6. LARGE SIDE SOCKET + LARGE PLATE** RJ200.11.100 + RJ200.11.102





7. RETRACTABLE TYPE FALL ARRESTER CR 250V 10



8. GUARD FOR RETRACTABLE TYPE FALL ARRESTER 0S 010







**9. SNAP HOOK** AZ 011



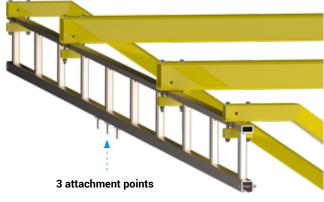
10. FULL BODY HARNESS P30





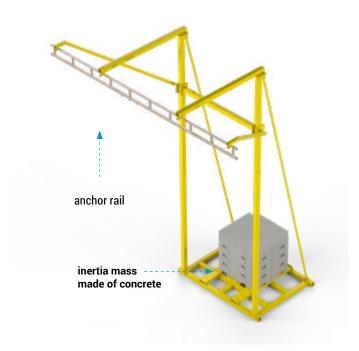






#### **DESCRIPTION**

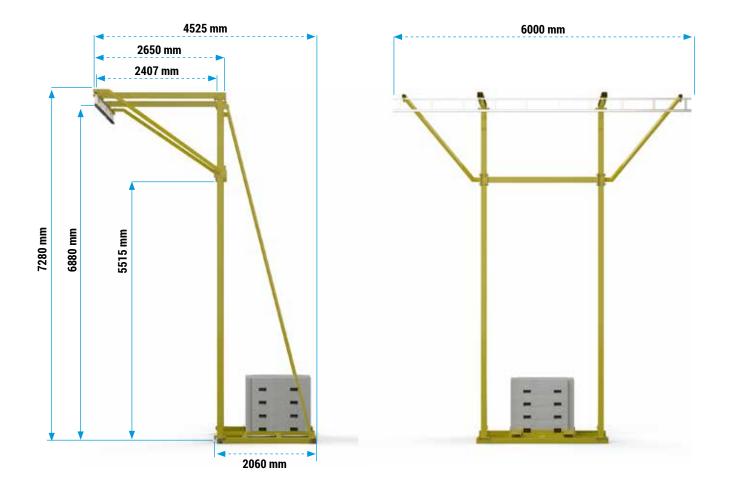
The RJ 500 adjustable anchor rail is a complete safety system against falls from a height. Excellent stability of the structure is ensured by inertia mass made of concrete blocks, thanks to which there is no need to make solid foundations or supporting structure. The RJ 500 is a modular device that can be combined to create any number of configurations and lengths according to the user's needs. The standard length of the rail is 6 m, on which the trolleys are moving horizontally, constituting anchorage points for the persons to be secured. The rail is located at a height of 6.88 m. RJ 500 is a device which is perfect for, among others, servicing cisterns, railway sidings and repair stations and in systems where there is a need to move safely on planes at a height.

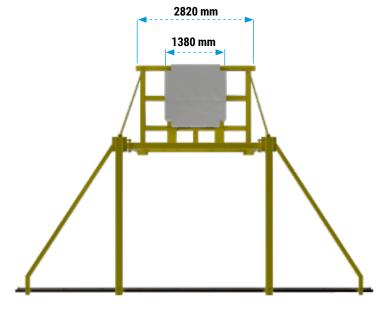


#### **PARAMETERS**

Material:	galvanized steel
Weight of concrete weights 4 pieces.	4100 kg
Construction weight:	1420 kg
The length of one segment rail:	6 mb
Max. number of users:	3

12







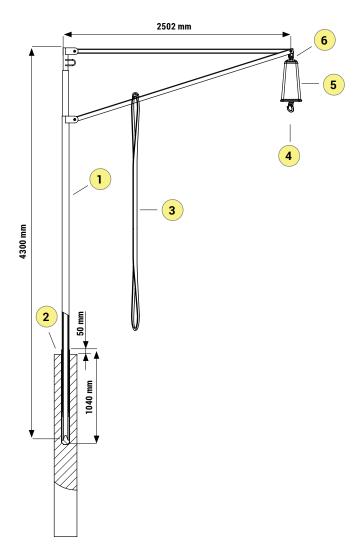




**ANCHOR POINTS AND DEVICES** 

# **RJ 200-B**

EN 795:2012 C €



Device RJ500-B is designed for fall protection of one user. The kit comprises main elements such as rotary arm and socket embedded in concrete structure. The arm can be moved between sockets.

#### **SPECIAL FEATURES**



#### **PARAMETERS**

Material:	powder coated steel
Weight:	Socket - 2.125 kg Rotary arm - 83.14 kg
Temperature range:	-30 C/+50 C
Static strength:	no less than 12 kN (in accordance with EN795:2012 Class B).

#### **COMPONENTS OF RJ200-B KIT**

#### 1) ROTARY ARM RJ200.06.000-B

Rotary arm is made of steel S235 protected against corrosion bycoating. To facilitate transport the arm can be folded.

#### 2) HOUSING TUBE RJ200.05.000-B

Housing tube RJ200.05.000-B is designed for embedding arm RJ200.06.000-B in concrete structure. The tube is embedded during concreting / casting of concrete structural element and remains within until completion of works. After works are completed the tube can be filled with concrete and left in the element. Minimum depth for embedding the socket is 900mm. When embedding the tube its upper (open) part should be plugged temporarily to enable the inside of the tube to be filled with fresh concrete.

#### 3) TRANSPORT SLING (2M) WS 005 02

Transport sling is used to assist embedding of rotary arm in thesocket and its removal using a crane. It is an extension enabling detachment of crane hook from a level where the user remains.

#### 4) RETRACTABLE TYPE FALL ARRESTER (6M) CR 250 HV 06

Retractable type fall arrester CR250 HV is a certified (in accordance with PN-EN 360 VG11.060 VG11.062) retractable type fall arrester for use in both the vertical and the horizontal, in plastic cover with expandable steel cable and the cover-integrated swivel. The device has an additional system for absorbing of fall energy fitted at snap hook. It is intended for works requiring significant mobility in respect to attachment point. There is no need to use neither an energy absorber nor line AZ 800 for work in the horizontal.

#### 5) GUARD FOR RETRACTABLE TYPE FALL ARRESTER OS 010

Gurad OS 010 is used to protect retractable type fall arrester against weather and rain or snow in particular.

#### 6) SNAP HOOK AZ011

Snap hook AZ011 is a certified (in accordance with PN-EN 362) connector to connect retractable type fall arrester, through the guard OS 010, to rotary arm RJ.200.06.000-B.

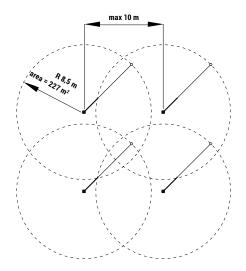
When using the snap hook please refer to its instruction manual.

#### 7) FULL BODY HARNESS P30

Full body harness is a certified (according to PN-EN 361) personal protective equipment which should be at hand to use the kit. The user must wear full body harness in accordance with its instruction manual. Full body harness should be equipped with a non-removable "extension" allowing for independent connection of the user to a retractable type fall arrester.

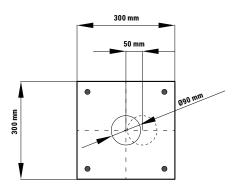




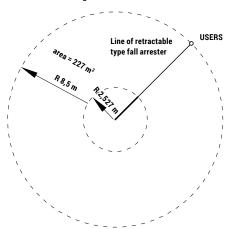




**Socket** can be embedded in tubes of min. 300 x 300 mm. Maximum tolerance for shifting of socket from its axis is 50 mm.

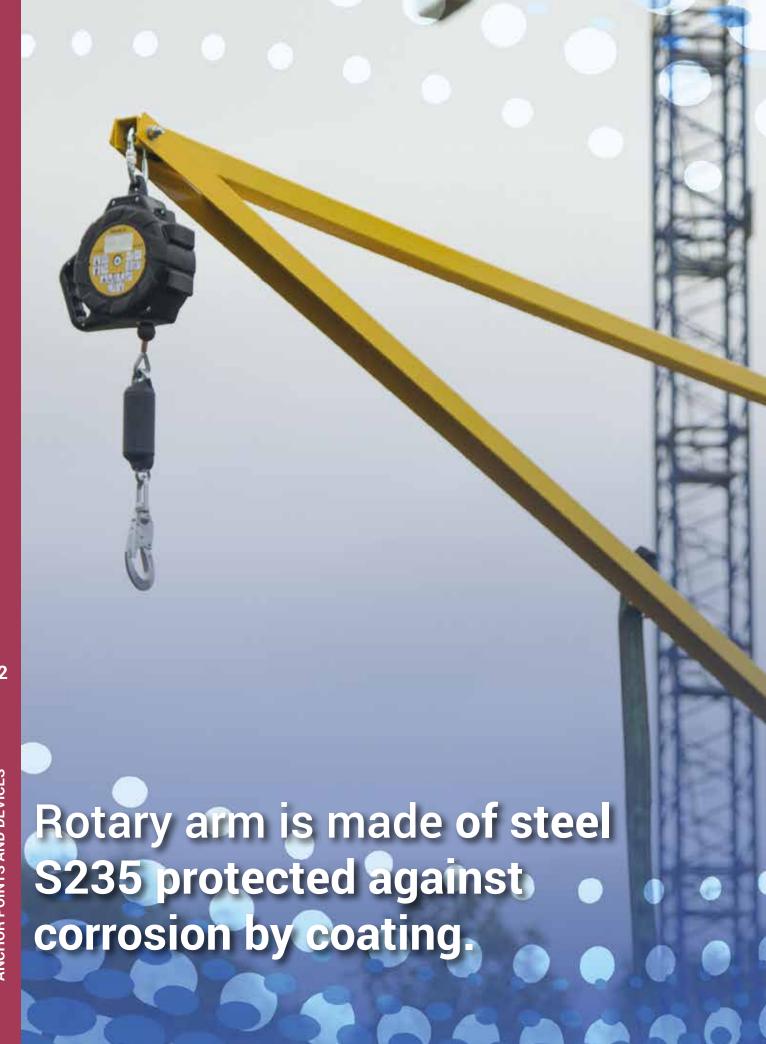






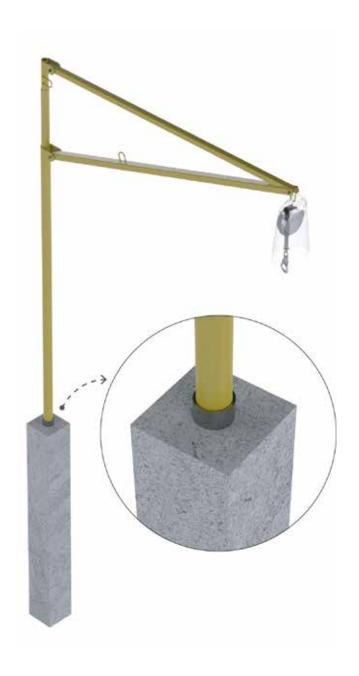






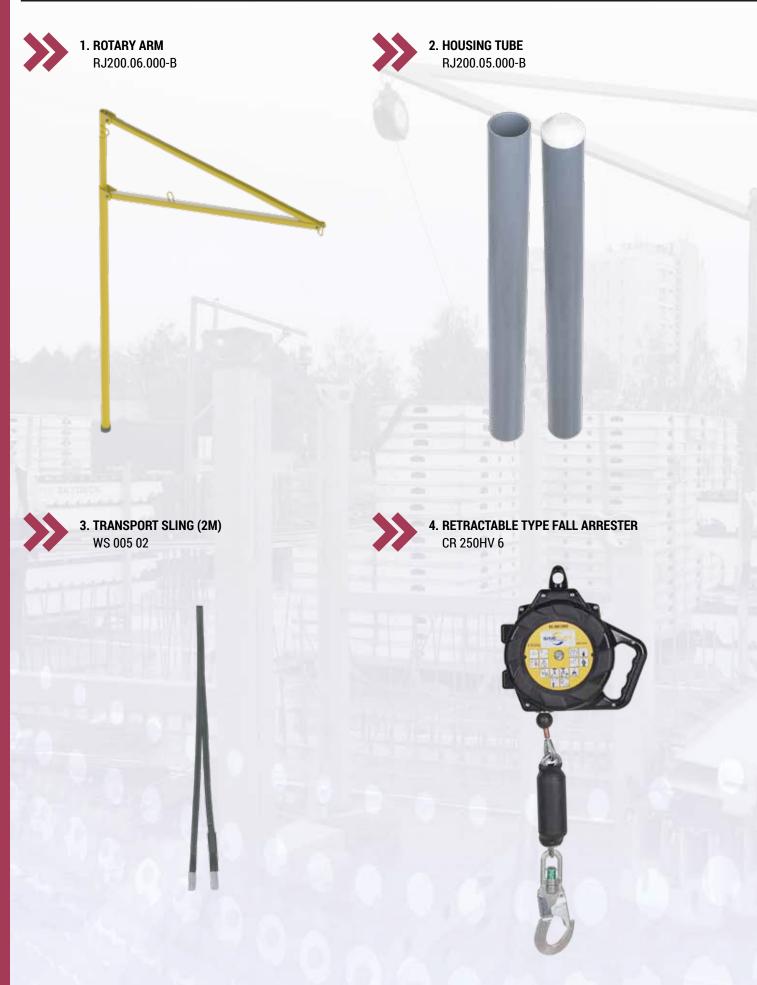
**ANCHOR POINTS AND DEVICES** 





REF. NO.:	
RJ200-B kit	1) ROTARY ARM RJ200.06.000-B 2) HOUSING TUBE RJ200.05.000-B
J200-B kit	3) TRANSPORT SLING (2m) WS 005 02 4) RETRACTABLE TYPE FALL ARRESTER (6m) CR250 HV 06 5) GUARD FOR RETRACTABLE TYPE FALL ARRESTER 0S 010 6) SNAP HOOK AZ011 7) FULL BODY HARNESS P30







# 5. GUARD FOR RETRACTABLE TYPE FALL ARRESTER 0S 010



**6. SNAP HOOK** AZ 011



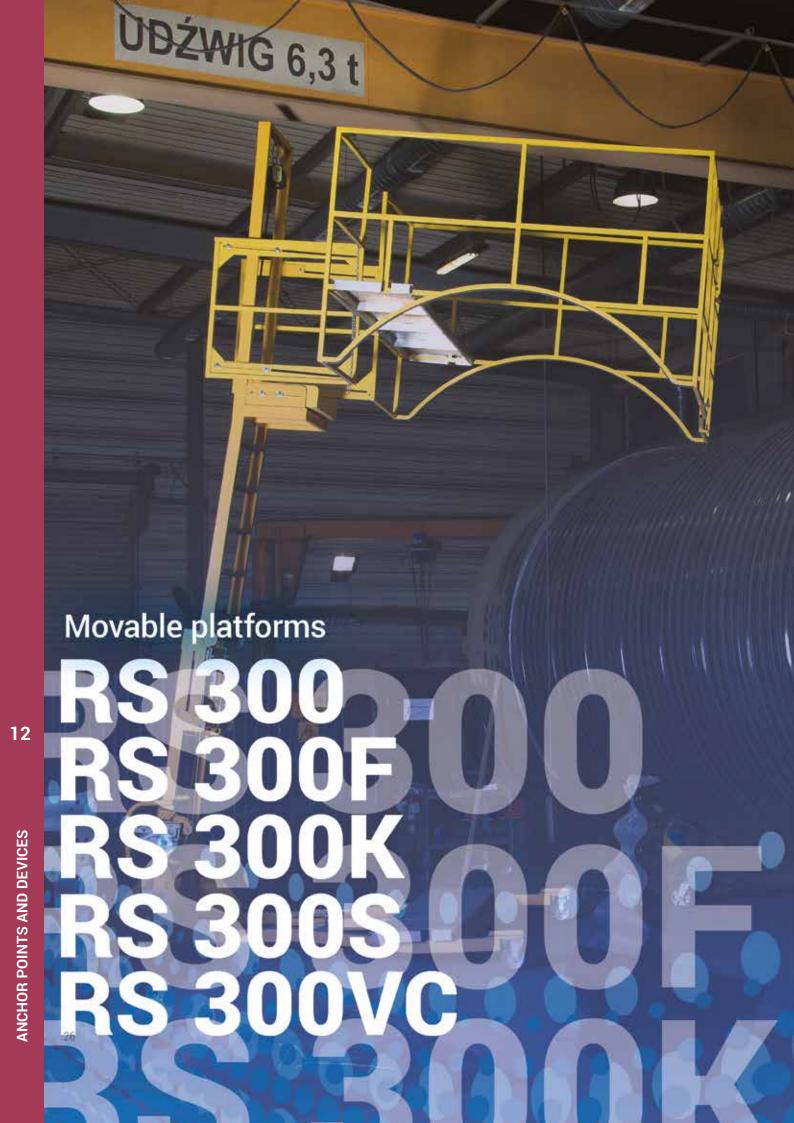




7. FULL BODY HARNESS P30



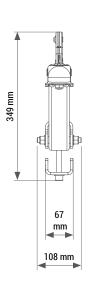


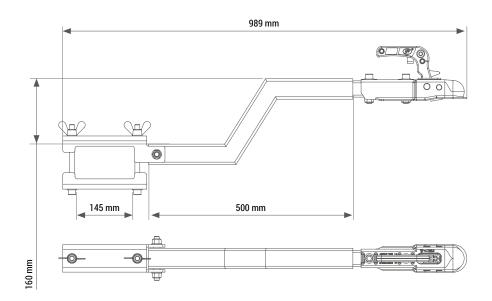


# **RS 300HAK**

# **EN 795 TYPE B**

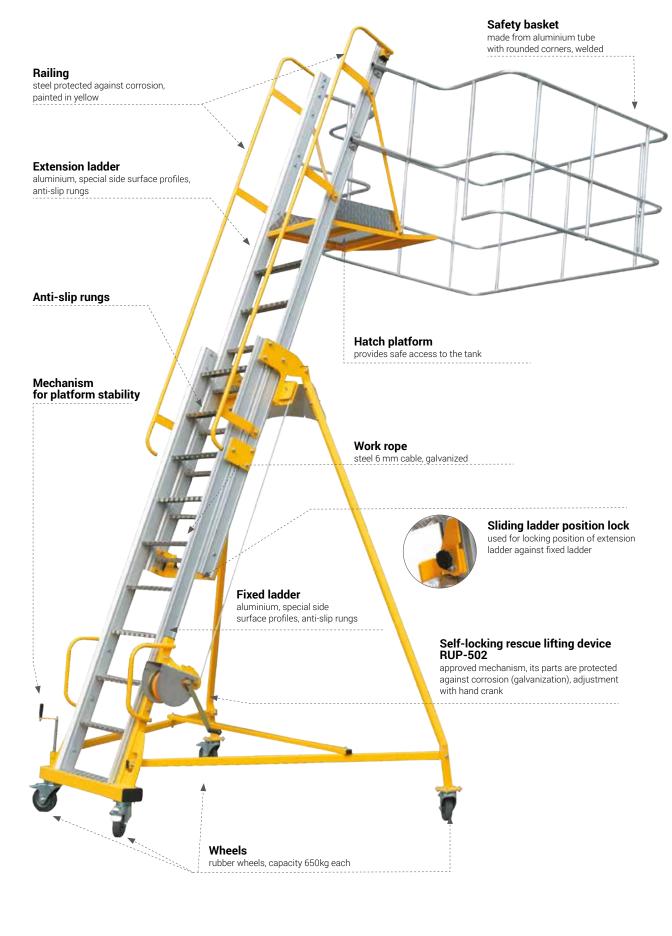


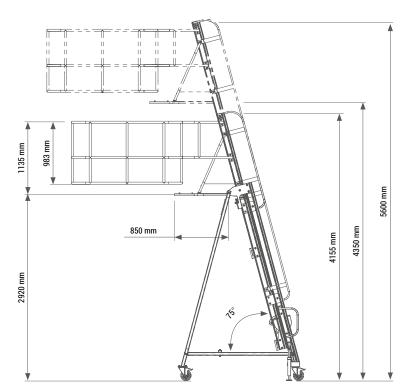




Material:	steel	REF. NO.:
Permissible speed:	max. 5 km/h	RS 300HAK

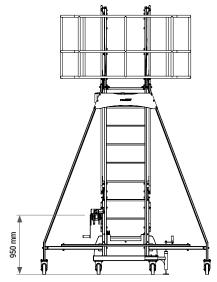


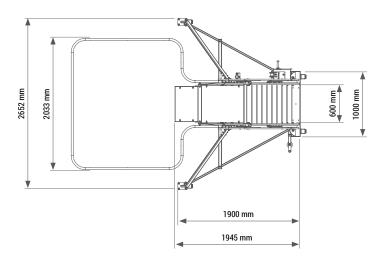






Possibility of platform customization upon Customer's request.





# **PARAMETERS**

Dimensions when folded:	3,55 m x 2,65 m x 4,30 m
Dimensions when unfolded:	3,95 m x 2,65 m x 5,60 m
Working height:	2,95 m to 4,35 m
Maximum load:	120 kg (1 user)
Weight:	160 kg
REF. NO.:	
RS 300	

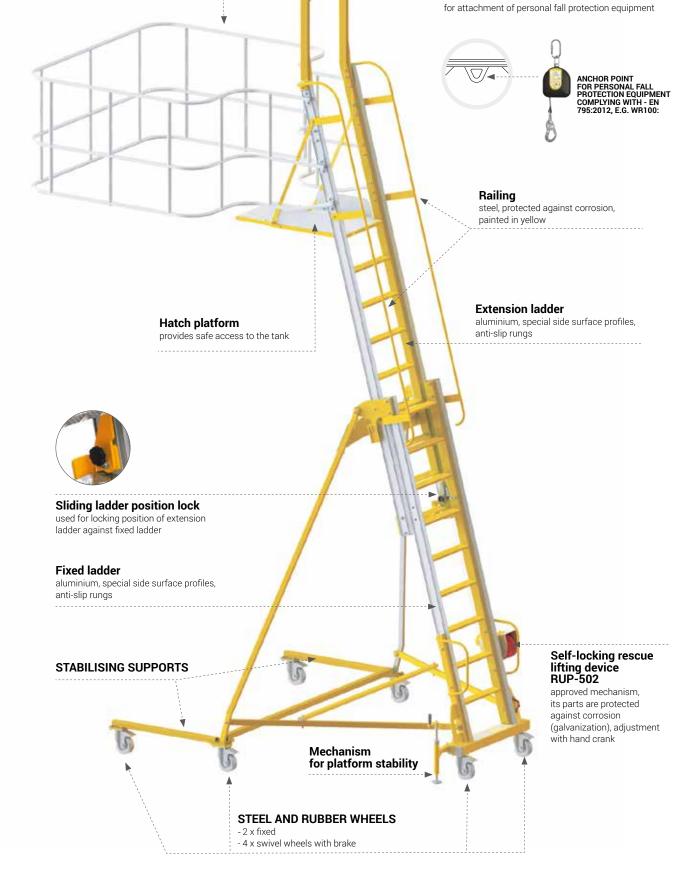
Moveable tank platform RS 300 F has been designed to enable safe access to loading hatches on tank trucks or container ships. The platform allows worker servicing the tank truck to get on its tank and carry out all the required works in a safe manner. The extension ladder of the platform enables working height adjustment to the desired height (tank truck height). The extension ladder motion against the fixed ladder is locked after working height is adjusted. This provides for additional protection against falling of the ladder. The hatch platform provides problem-free access from the ladder onto the tank truck. Compact structure is supported on six rubber wheels, and can be moved easily to other hatches and taken away from the truck when the work is completed. The structure has aluminium work place railing.

Additional frame equipped with anchor point for personal fall protection equipment (e.g. retractable type fall arrester WR100) provides additional protection when ascending and descending the ladder, and working within the platform. Height of the railing provides protection against falls after tripping or slipping.

The platform ladder is equipped with handrails for safe ascending and descending. The platform is made of high-durability aluminium alloy of special shape, and stable chassis is made of steel protected against the adverse weather conditions. The ladder rungs are made from textured stainless steel sheet preventing user's slippage.

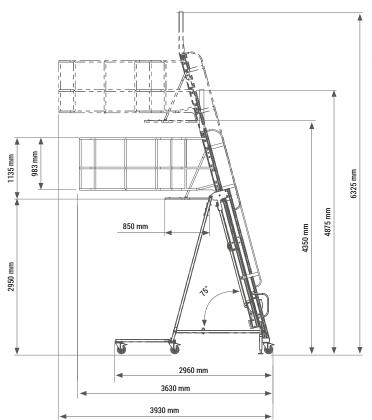


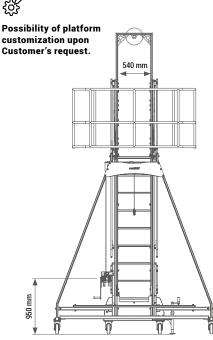
Safety basket made from aluminium tube with rounded corners, welded

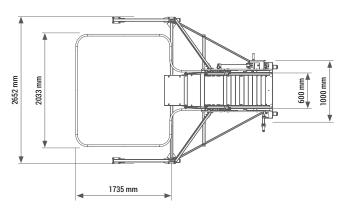


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FRAME WITH ANCHOR POINT







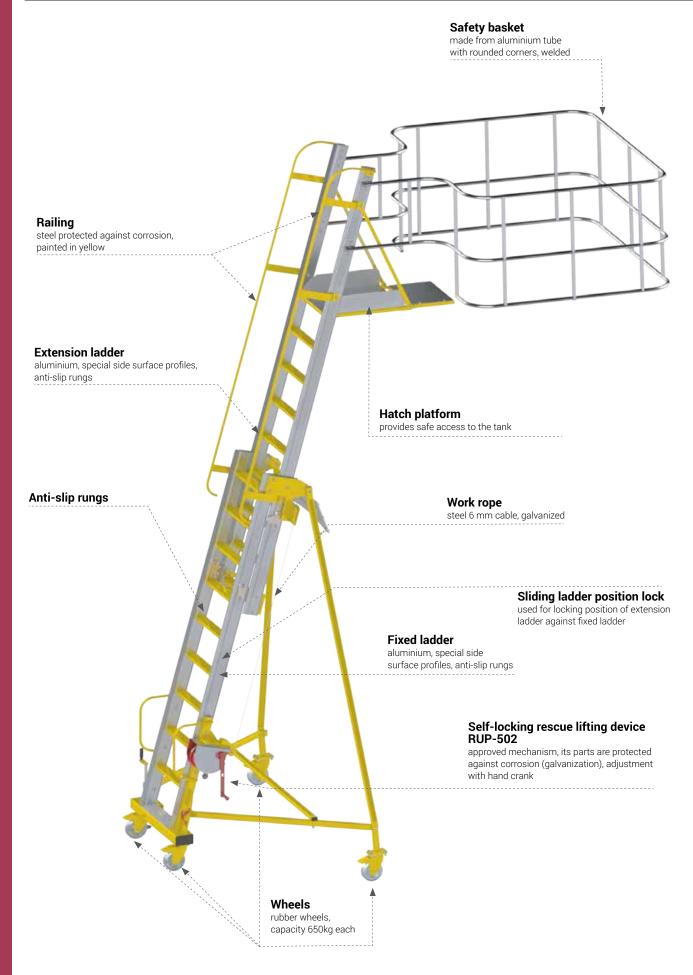
### **PARAMETERS**

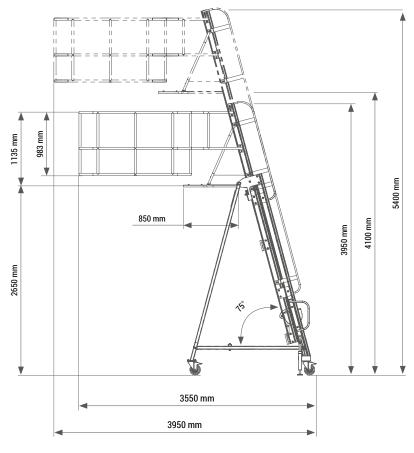
RS 300F	
REF. NO.:	
weight.	L40 Kg
Weight:	240 kg
Maximum load:	140 kg (1 user)
Working height:	2,95 m to 4,35 m
Dimensions when unfolded:	6,33 x 2,65 x 3,93 m
Dimensions when folded:	4,88 x 2,65 x 3,63 m

Moveable tank platform RS 300 F has been designed to enable safe access to loading hatches on tank trucks or container ships. The platform allows worker servicing the tank truck to get on its tank and carry out all the required works in a safe manner.

The extension ladder of the platform enables working height adjustment to the desired height (tank truck height). The extension ladder motion against the fixed ladder is locked after working height is adjusted. This provides for additional protection against falling of the ladder. The hatch platform provides problem-free access from the ladder onto the tank truck. Compact structure is supported on six rubber wheels, and can be moved easily to other hatches and taken away from the truck when the work is completed. The structure has aluminium work place railing. Additional frame equipped with anchor point for personal fall protection equipment (e.g. retractable type fall arrester WR100) provides additional protection when ascending and descending the ladder, and working within the platform. Height of the railing provides protection against falls after tripping or slipping. The platform ladder is equipped with handrails for safe ascending and descending. The platform is made of high-durability aluminium alloy of special shape, and stable chassis is made of steel protected against the adverse weather conditions. The ladder rungs are made from textured stainless steel sheet preventing user's slippage.

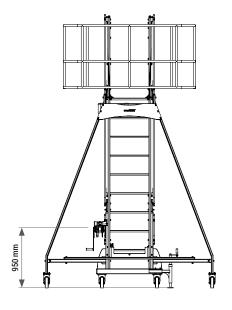




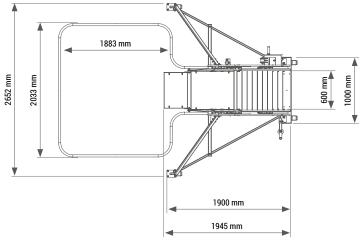




Possibility of platform customization upon Customer's request.





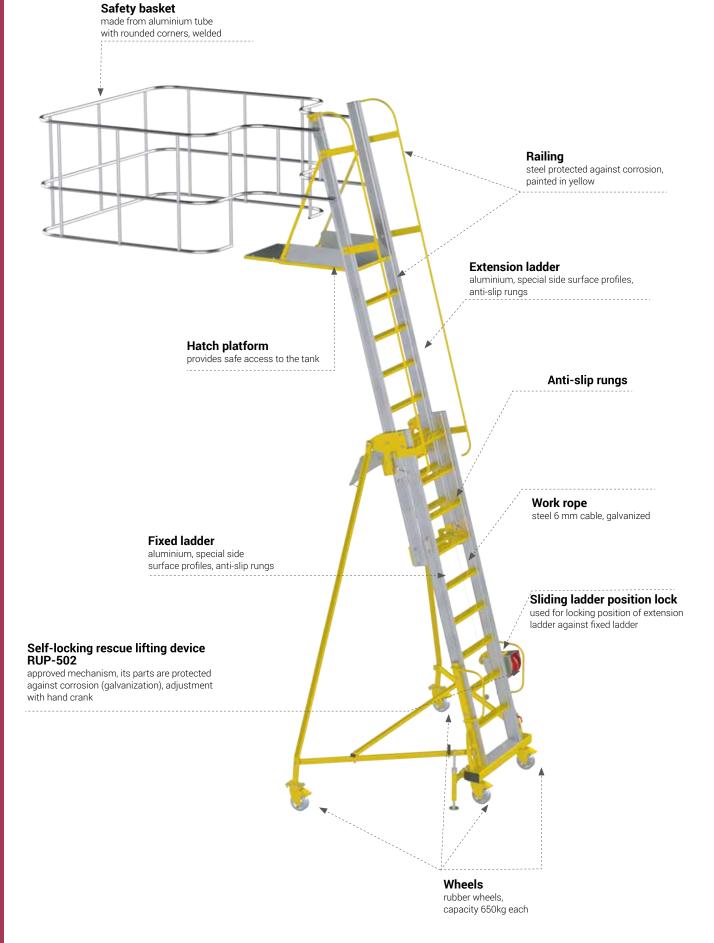


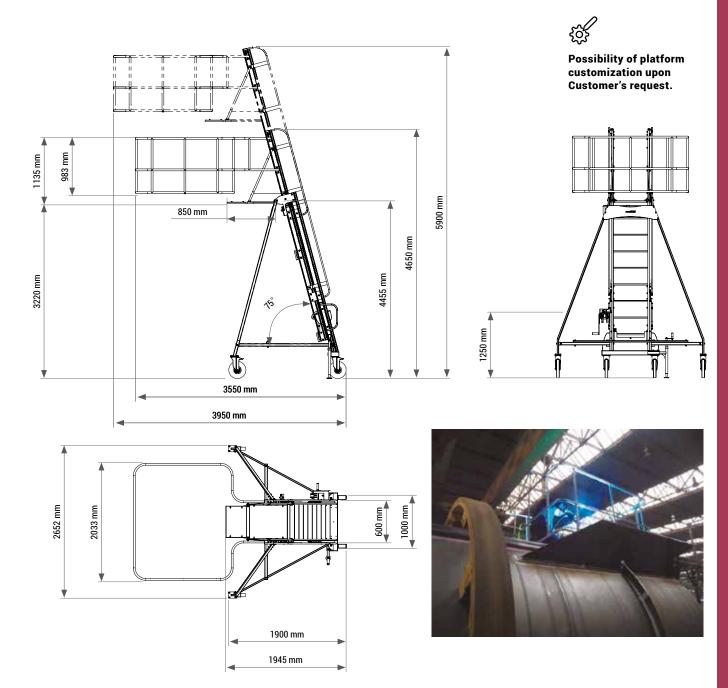




Dimensions when folded:	3,95 m x 2,65 m x 3,55 m
Dimensions when unfolded:	5,40 m x 2,65 m x 3,95 m
Working height:	2,65 m to 4,10 m
Maximum load:	120 kg (1 user)
Weight:	~ 160 kg
REF. NO.:	
RS 300K	





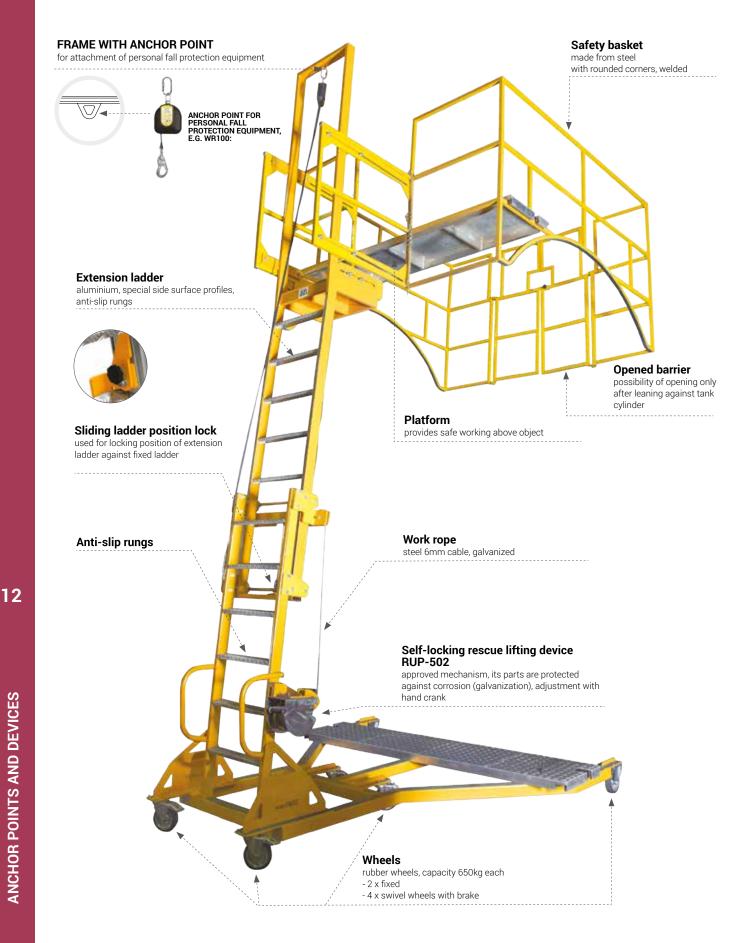


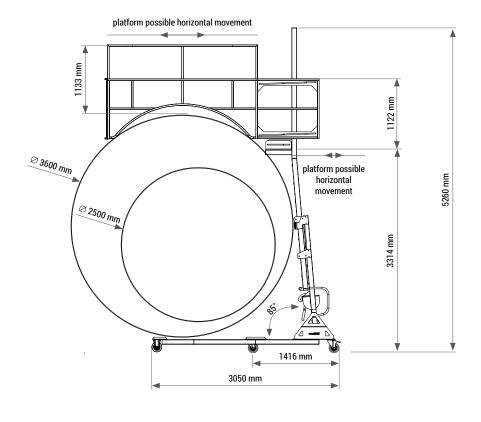


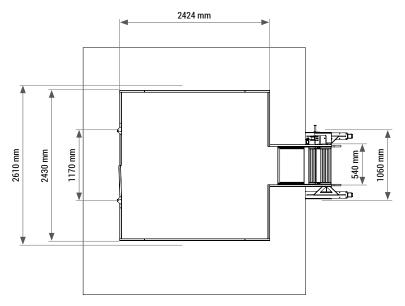


Dimensions when folded:	4,65 m x 2,65 m x 3,55 m
Dimensions when unfolded:	5,90 m x 2,65 m x 3,95 m
Working height:	3,22 m to 4,65 m
Maximum load:	120 kg (1 user)
Weight:	~ 170 kg
REF. NO.:	
RS 300S	









Dimensions when folded:	3,47 x 2,61 x 4,20 m
Dimensions when unfolded:	3,74 x 2,61 x 5,65 m
Working height:	2,25 m to 3,70 m
Maximum load:	120 kg (1 user)
Weight:	345 kg
REF. NO.:	
RS 300VC	



Possibility of platform customization upon Customer's request.

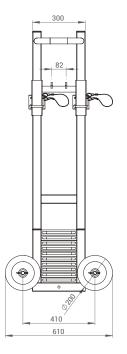


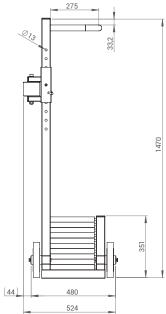




# **EN 795 TYPE B**

# DIMENSIONS

















# Ref. no.: **DW 100**



#### **PARAMETERS**

Dimensions:	1470 x 610 x 524 mm
Mass of the body:	28 kg
Total weight:	208 kg
Amount of weights:	10 pcs
Mass of a weight:	18 kg
Minimum upstand height:	60 cm
Material:	steel

# **SPECIAL FEATURES**



Deadweight trolley DW 100 is a portable anchor point for any use where fall protection for one user or two users is required.

# EN 795 TYPE B



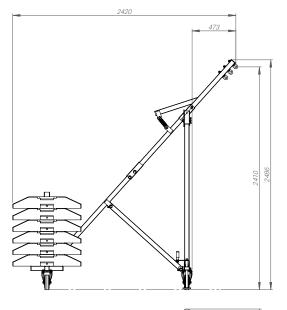


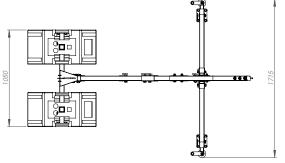


**EXAMPLE USE** 



# **DIMENSIONS**





Anchor device DW 200 with three anchor points is a perfect solution for use on flat roofs, where work outside roof edge is required. The device is fitted with wheels to enable moving the device quickly with no need to reload the weights. Wheel lock prevents uncontrolled motions of the device.

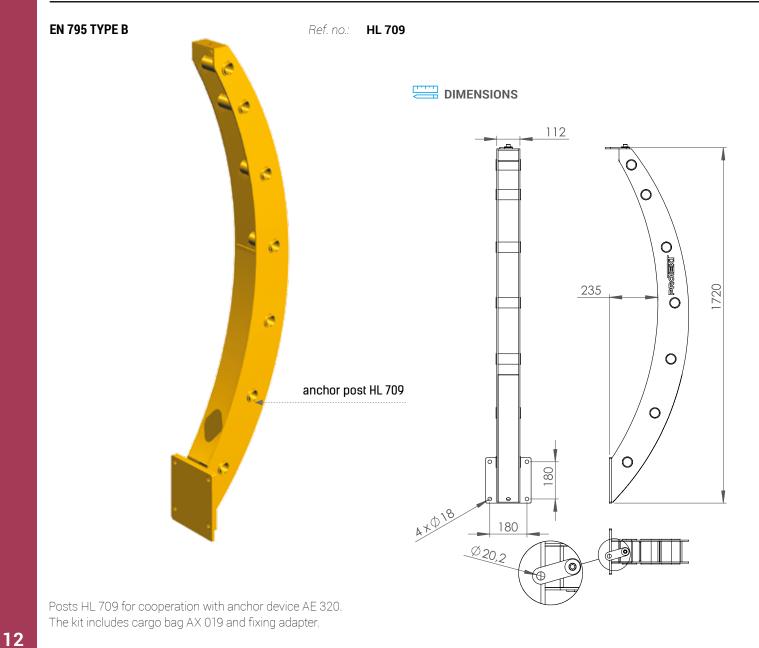
# **PARAMETERS**

Dimensions:	2420 x 1766 x 2486 mm	
Mass of the body:	48,5 kg	
Total weight:	348,5 kg	
Amount of weights:	12 pcs	
Mass of a weight:	25 kg	
Materiał:	powder coated steel	

# **SPECIAL FEATURES**







**POST PARAMETERS** 

# ALUMINIUM VERSION::

Dimensions:	1100 mm x 300mm x 212mm
Weight:	14 kg
Material:	aluminium
CTEEL VEDCION.	

#### STEEL VERSION:

Dimensions:	1100 mm x 300mm x 212mm
Weight:	28 kg
Material:	hot-dip galvanized steel

# **SPECIAL FEATURES**









# (€





2 x AX 019 cargo bag



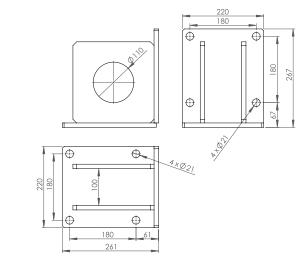
1 x AE 320 anchor device

REF. NO.:	
2 aluminium posts HL 709 + 2 bags AX 019	
2 steel posts HL 709 + 2 bags AX 019	
AE 320 20 - 10m long	

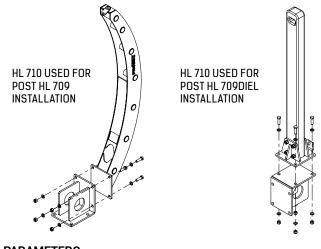


DIMENSIONS

**HL 710** 







Weight:	18,10 kg	
Material:	powder coated steel	
REF. NO.:		
HL 710 - 1 pce + bolts		

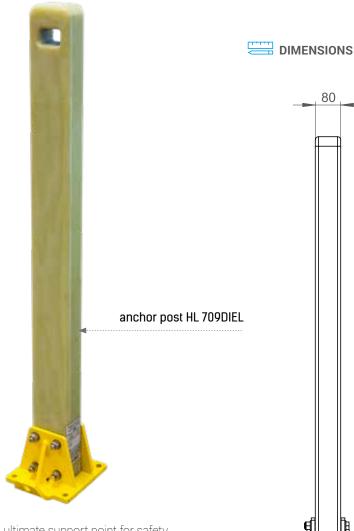


# **ANCHOR POINTS AND DEVICES**

12

#### **EN 795 TYPE C**





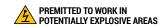
Post HL 709DIEL is an ultimate support point for safety horizontal webbing AE320/10m. In combination with this webbing, it forms a temporary horizontal anchor system complying with EN 795:2012 for devices type C. The system is designed for works on transformers or other high--voltage devices. The post must be removed for discharge tests what considerably reduces the time for preparation of the device for the test. The kit is intended for 2 users working at a time.

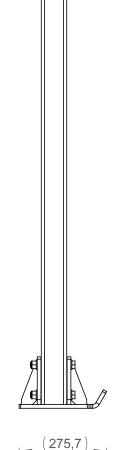
# **POST PARAMETERS**

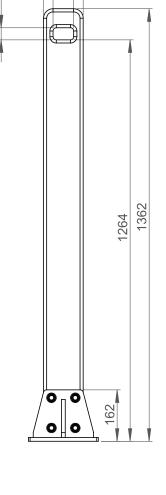
Dimensions: 1362 x 275 x 220 mm Weight: 36,5 kg post: glass and epoxy material EP GC 201 in accordance Material: with PN EN 60893

# **SPECIAL FEATURES**

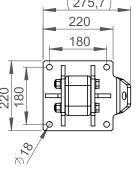






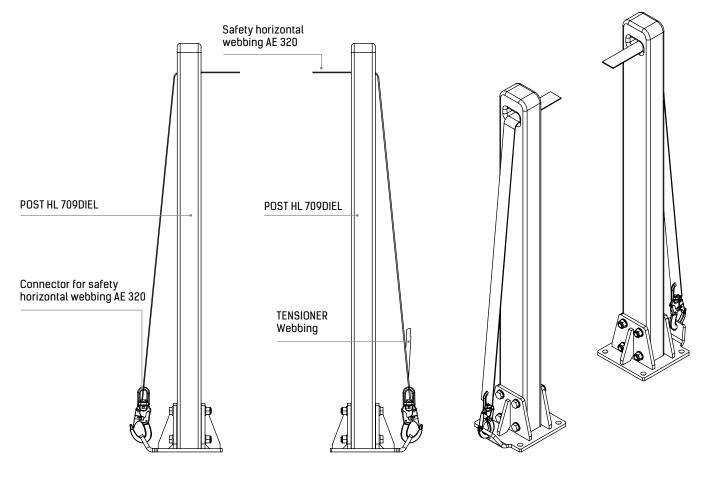


125













**EN 795 TYPE C** 

Ref. no.: **TEMP (HL730+AE320)** 

# Kit TEMP 009

single-span configuration for 9m system

2 x HL 730 + AE 320 webbing 20.0m



# Kit TEMP 018

two-span configuration for 18m system





THE KIT COMPRISES





REF. NO.:

TEMP 002 - 2x posts

AE 320 20 - 20m long



THE KIT COMPRISES





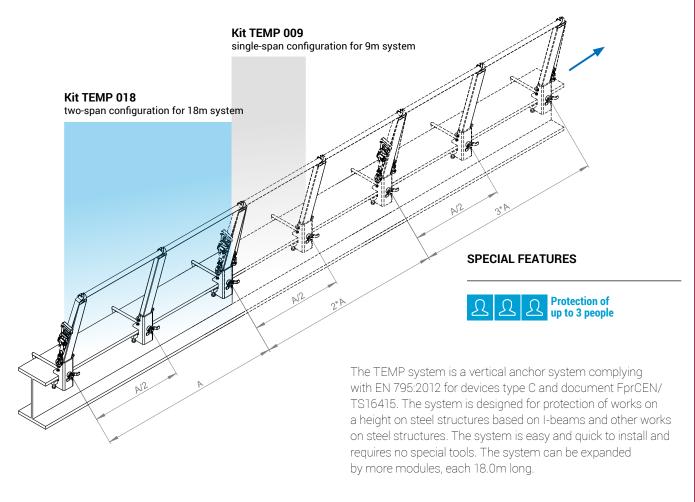
REF. NO.:

TEMP 003 - 3x posts

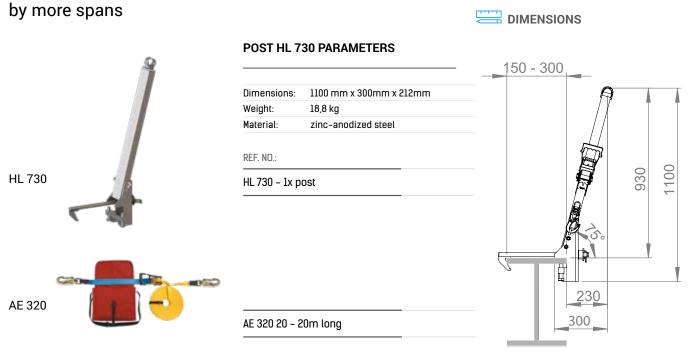
AE 320 20 - 20m long



The system can be expanded by adding more posts HL 730.



# **Elements for expansion of TEMP system**





# **EN 795 TYPE E**

IM 100 Ref. no.:

CE



Deadweight IM 100 is a portable anchor point for use on a flat roof of adequate load capacity. Comprises 12 elements (weights) and the main cross piece with anchor point. The IM 100 device should be placed so that it rests firmly on the roof surface.

#### **PARAMETERS**

Material:	hot-dip galvanized steel, rubber
Total weight:	260 kg
Mass of a weight:	18,5 kg
Dimensions:	2124 x 2124 mm

# **SPECIAL FEATURES**

**Protection of** 1 PERSON

REF. NO.:

IM 100

# **IM 200**

# Deadweight

# **EN 795 TYPE E**

Ref. no.: IM 200 (€



Deadweight IM 200 is a portable anchor point for use on a flat roof of adequate load capacity. Comprises 12 elements (weights) and the main cross piece with mounted pole PROTON I (300mm). The IM 200 device should be placed so that it rests firmly on the roof surface.

#### **PARAMETERS**

Material:	hot-dip galvanized steel, rubber
Total weight:	374 kg
Weight of a single weight:	25,5 kg
Dimensions:	3020,5 x 3020,5 x 400 mm

# **SPECIAL FEATURES**



	PREMITTED TO WORK IN POTENTIALLY EXPLOSIVE AREAS
<u> </u>	POTENTIALLY EXPLOSIVE AREAS

REF. NO.:

IM 200





# Ladders, scaffoldvs and platforms

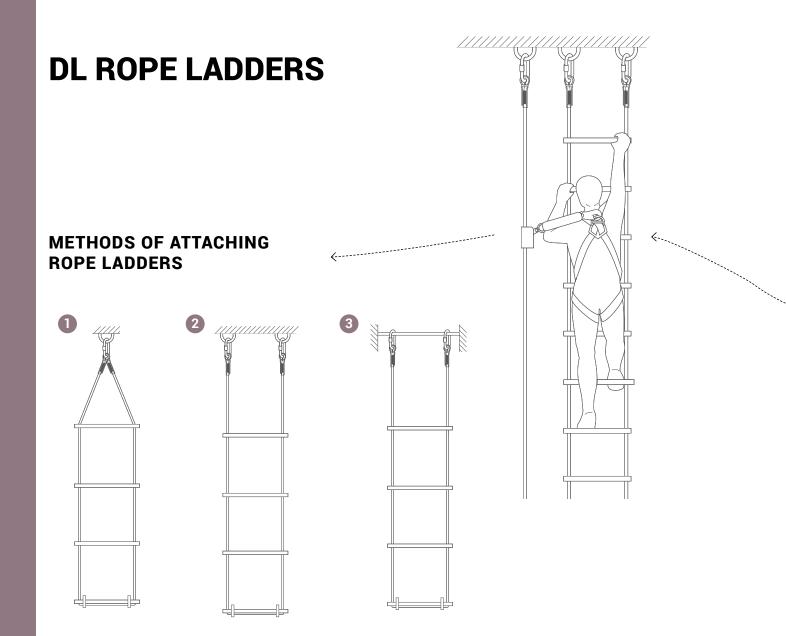
Rope ladders

Telescopic ladders

13 - **02** 

13 - **14** 

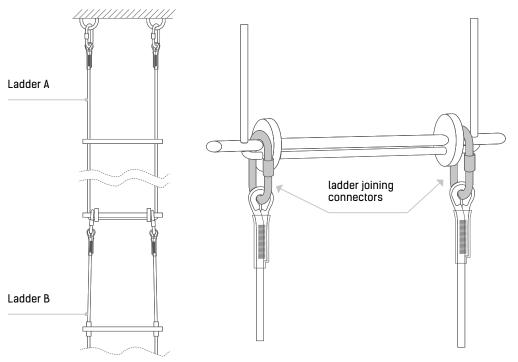


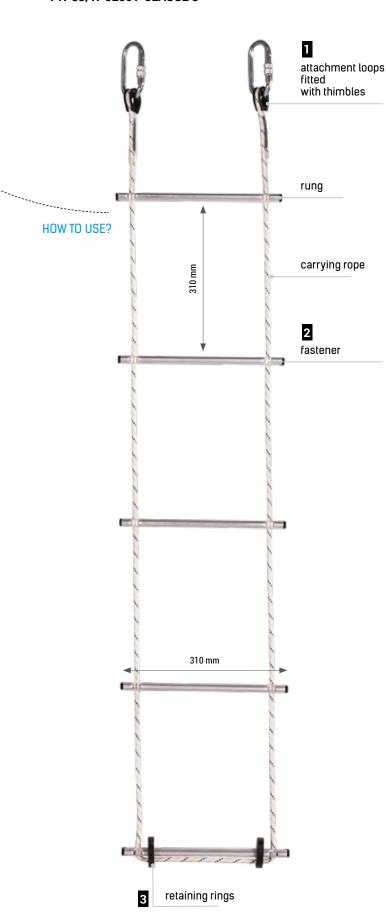


# ROPE LADDERS OF THE SAME TYPE CAN BE COMBINED IN SERIES

Join ultimate rung of a ladder to attachment loops of the other ladder by two connectors, 10cm (+/- 2cm) long. Each connector should be joined to the rung between retaining ring and rope fastener.

Maximum length of an assembly comprising a number of joined ladders cannot be greater than 100m.





Ref. no.: **DL 010** 







attachment loops fitted with thimbles

fasteners

retaining rings

Ladder conforms with PN-83/W-52501 - clause 8, Certificate No. Z/02/013/17, issued by the Institute of Mechanised Construction and Rock Mining in Warsaw.

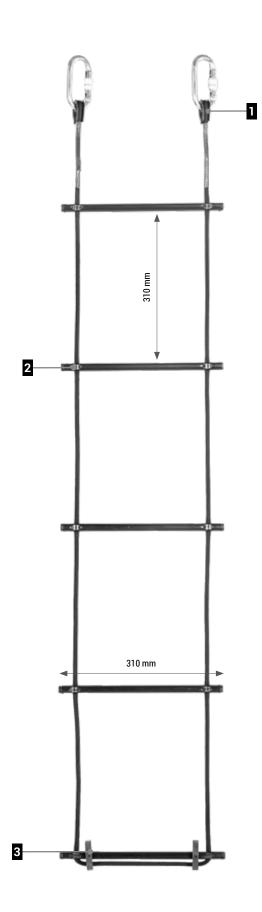
# **PARAMETERS**

Material:	rungs – aluminium rope – polyester Ø 8mm
Manufacture:	width – 310 mm rung spacing:– 310 mm
Weight:	0.55kg – 1 r.m.

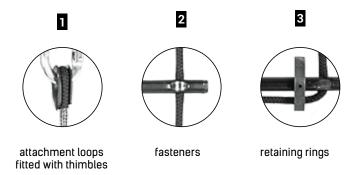
# **SPECIAL FEATURES**





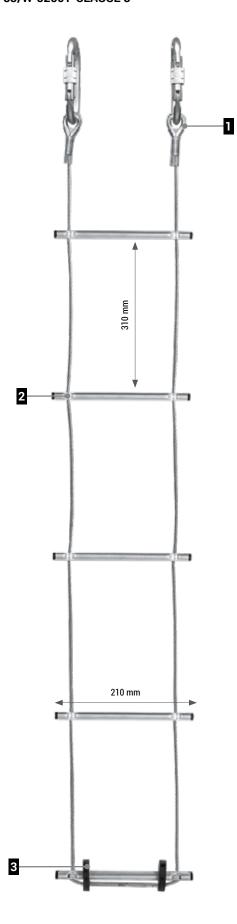


Ref. no.: **DL 010C** 

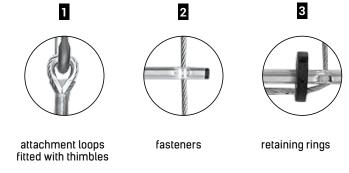


Ladder conforms with PN-83/W-52501 - clause 8, Certificate No. Z/02/013/17, issued by the Institute of Mechanised Construction and Rock Mining in Warsaw.

Material:	rungs – aluminium rope – polyester Ø 8mm	
Manufacture:	width - 310 mm rung spacing: - 310 mm	
Weight:	0.55kg – 1 r.m.	
Colour:	black	



Ref. no.: **DL 011** 



Ladder conforms with PN-83/W-52501 - clause 8, Certificate No. Z/02/013/17, issued by the Institute of Mechanised Construction and Rock Mining in Warsaw.

# **PARAMETERS**

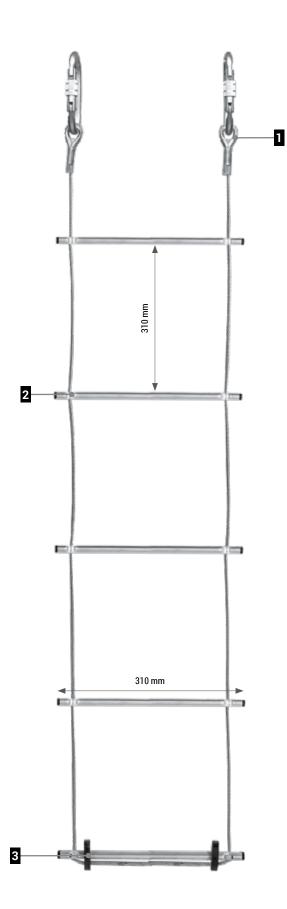
Material:	rungs – aluminium cable – galvanized steel Ø 4mm
Manufacture:	width- 210 mm rung spacing: - 310 mm
Waga:	0,3 kg - 1 r.m.

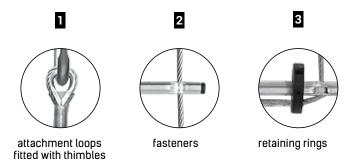
#### **SPECIAL FEATURES**





Ref. no.: **DL 012** 



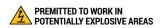


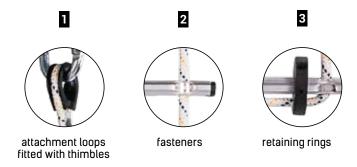
Ladder conforms with PN-83/W-52501 - clause 8, Certificate No. Z/02/013/17, issued by the Institute of Mechanised Construction and Rock Mining in Warsaw.

# **PARAMETERS**

Materiał:	rungs – aluminium cable – galvanized steel Ø 4mm
Weight:	0.58kg - 1 r.m.
Dimensions:	width: - 310 mm rung spacing: - 310 mm

# **SPECIAL FEATURES**



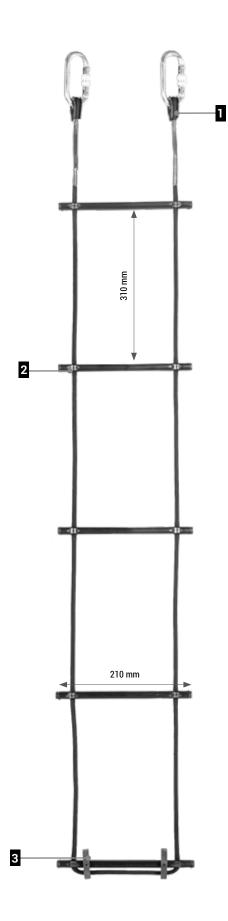


Ladder conforms with PN-83/W-52501 - clause 8, Certificate No. Z/02/013/17, issued by the Institute of Mechanised Construction and Rock Mining in Warsaw.

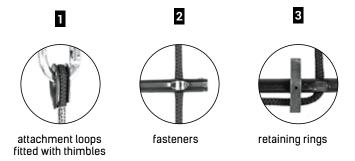
Material:	rungs – aluminium rope – polyester Ø 8mm
Weight:	0,35 kg - 1 r.m.
Dimensions:	width: - 210 mm rung spacing: - 310 mm



### PN-83/W-52501-CLAUSE 8



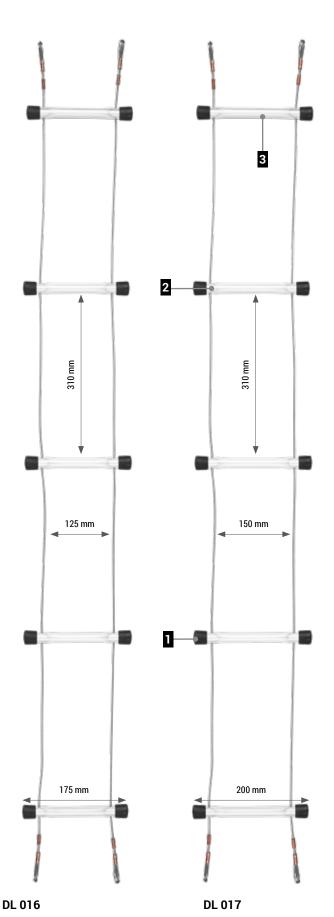
Ref. no.: **DL 013C** 

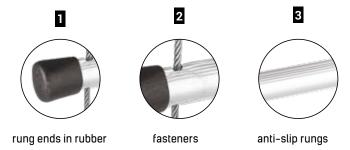


Ladder conforms with PN-83/W-52501 - clause 8, Certificate No. Z/02/013/17, issued by the Institute of Mechanised Construction and Rock Mining in Warsaw.

Material:	rungs – aluminium rope – polyester Ø 8mm width – 210 mm
Manufacture:	width – 210 mm rung spacing– 310 mm
Weight:	0,3 kg - 1 r.m.
Colour:	black

### Ref. no.: **DL 016, DL 017**





### **DL 016 - PARAMETERS**

Material:	rungs – aluminium cable – stainless steel Ø 3mm
Manufacture:	width - 175 mm rung spacing - 310 mm cable spacing - 125 mm
Weight:	0,2 kg - 1 r.m

### **DL 017 - PARAMETERS**

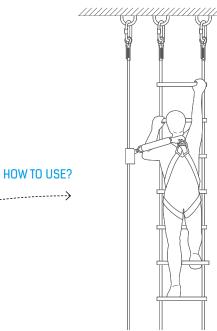
Material:	rungs – aluminium cable – stainless steel Ø 3mm	
Manufacture:	width - 200 mm rung spacing - 310 mm cable spacing - 150 mm	
Weight:	0,22 kg – 1 r.m.	

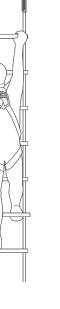


### PN-83/W-52501-CLAUSE 8









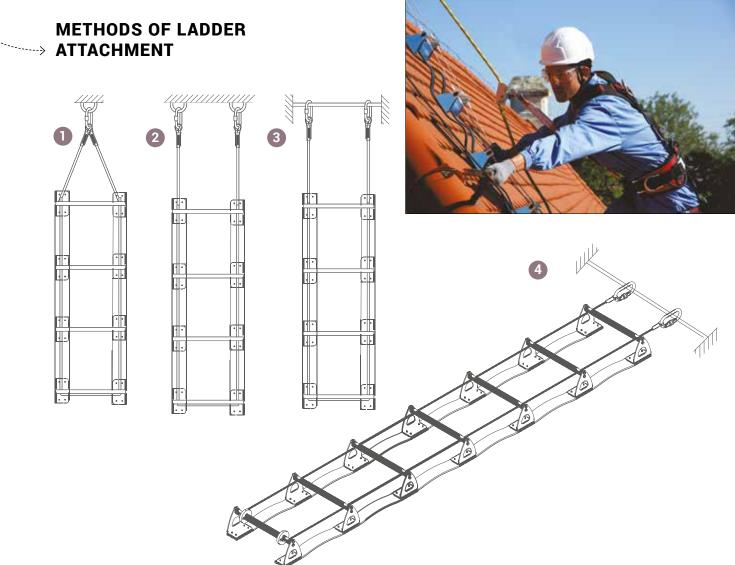


Material:	rungs – aluminium cable – galvanized steel Ø 4mm mountings – galvanized steel rubber – EPDM
Manufacture:	width - 310 mm rung spacing - 310 mm
Weight:	2,5 kg - 1 r.m.

### **DL 015 - PARAMETERS**

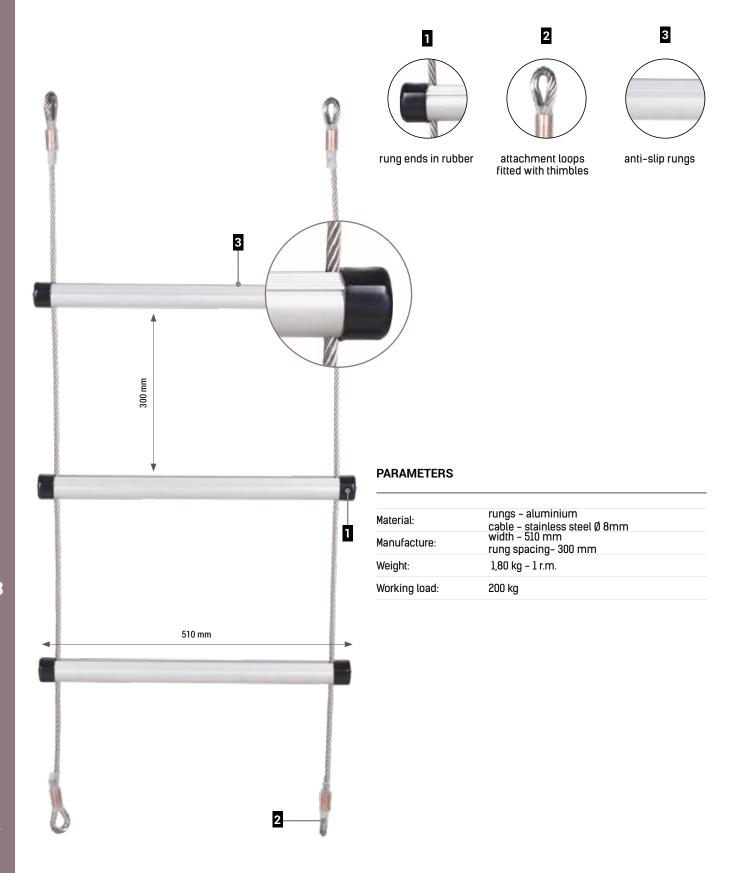
Material:	rungs – aluminium rope – polyester Ø 8mm mountings – galvanized steel rubber – EPDM	
Manufacture:	width - 310 mm rung spacing - 310 mm	
Weight:	2,5 kg - 1 r.m.	



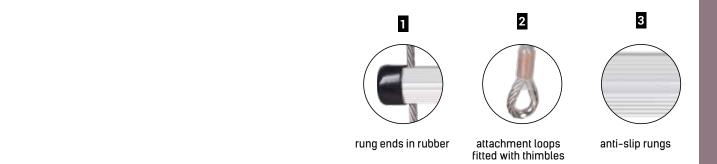


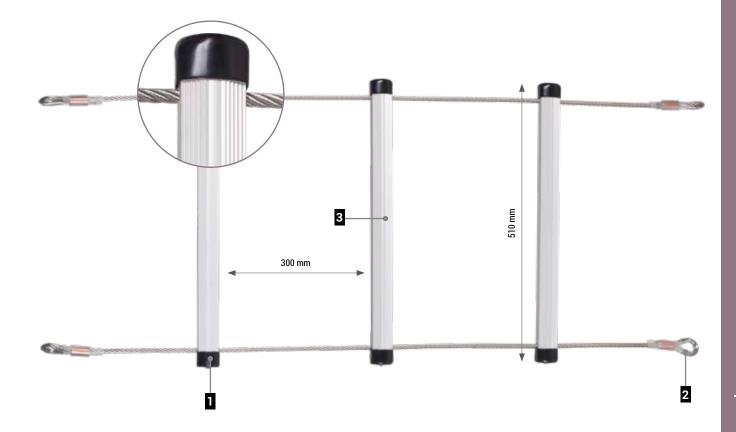


Ref. no.: **DL 018** 



Ref. no.: **DL 019** 

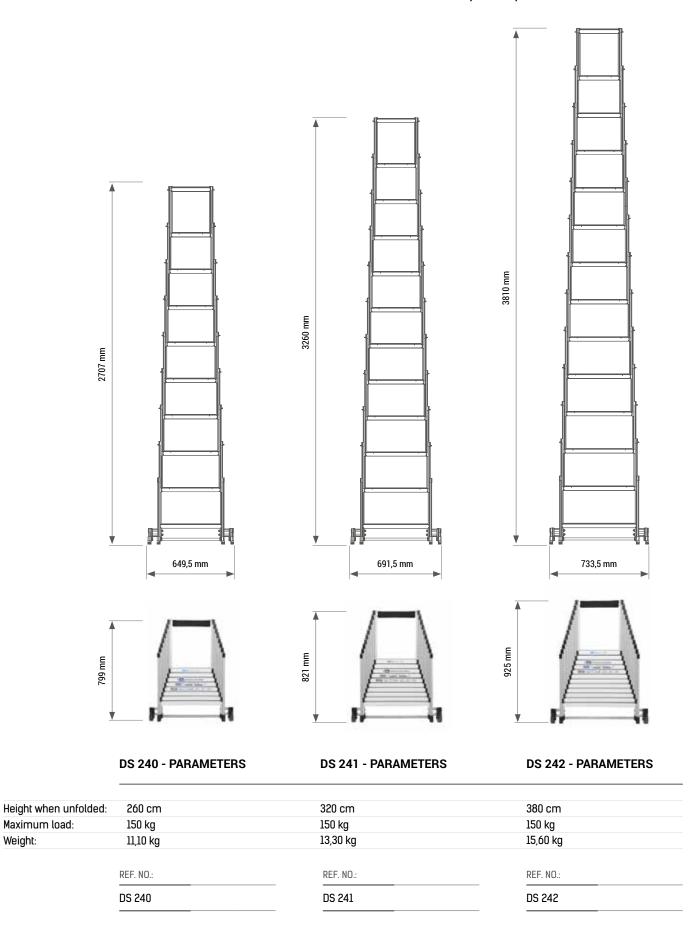




cable - stainless steel Ø 8mm width - 510 mm
rung spacing – 300 mm
1,80 kg - 1 r.m.
200 kg



Ref. no.: **DS 240, DS 241, DS 242** 



Weight:









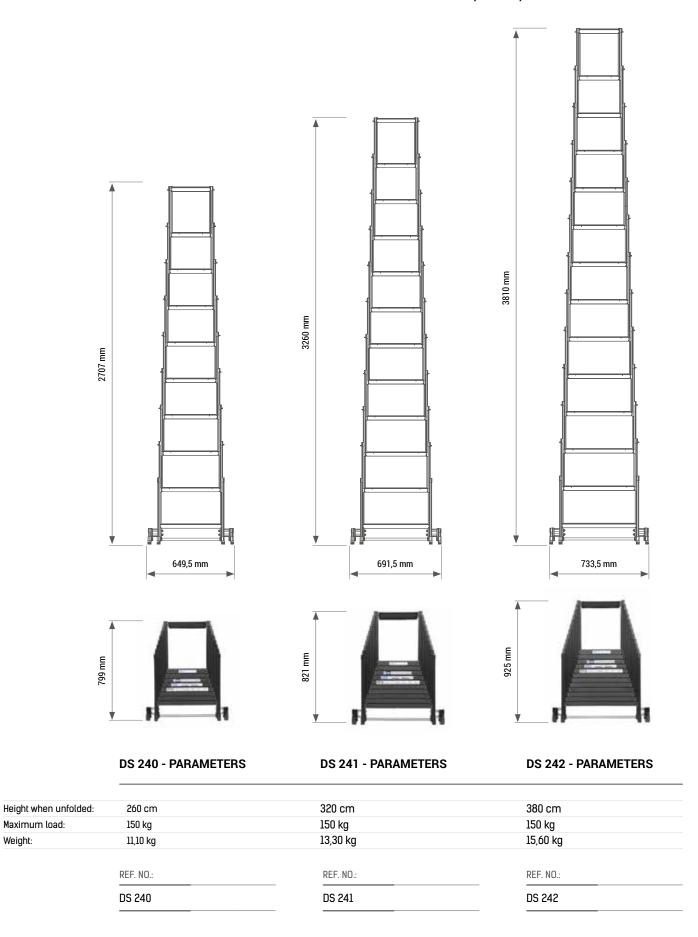


Exceptionally easy in unfolding and convenient in use, light telescopic ladder made of strengthened anodized aluminium. Available in three heights: 260cm, 320cm and 380cm.

The ladder is easy to transport, fits in a car without any problem. The ladder has an easy-to-use and safe mechanism for locking individual sections and rubber feet providing a secure contact with the ground. When operating there is no need of unfolding all ladder sections. Ladder approach angle 70°.



Ref. no.: **DS 240, DS 241, DS 242** 

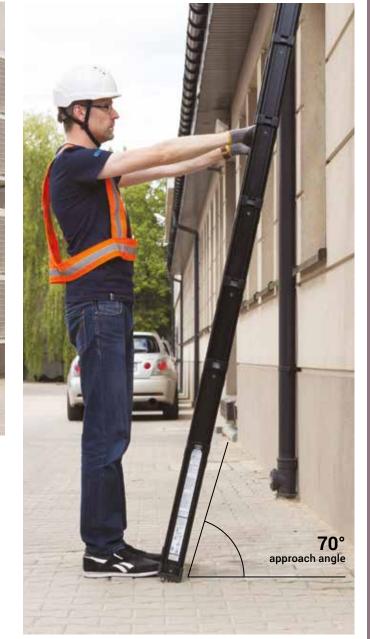


Weight:









Exceptionally easy in unfolding and convenient in use, light telescopic ladder made of strengthened anodized aluminium. Available in three heights: 260cm, 320cm and 380cm.

The ladder is easy to transport, fits in a car without any problem. The ladder has an easy-to-use and safe mechanism for locking individual sections and rubber feet providing a secure contact with the ground. When operating there is no need of unfolding all ladder sections. Ladder approach angle  $70^{\circ}$ .

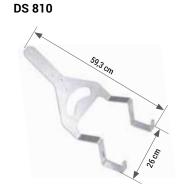


### ISO 2768-mK

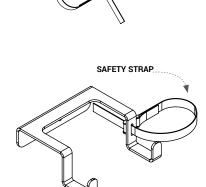




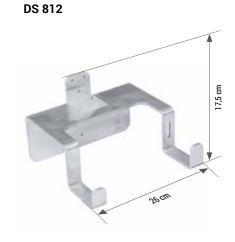


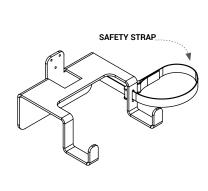






SAFETY STRAP.





Ref. no.:

DS 810, DS 811, DS 812, TU 810-001

DS 810 / DS 811 / DS 812 handles are devices used to protect the set ladder against falling off the building facade. Additionally equipped with an safety strap for assembly, they ensure safe and stable work during ladder use.

### TU 810-001 SAFETY STRAP FOR MOUNTING LADDERS



MATERIAL:	stainless steel / polyester - safety strap
WEIGHT:	DS 810 - 2,640 kg DS 811 - 2,180 kg DS 812 - 3,320 kg
DIMENSIONS:	DS 810 - 59,3 x 26,0 x 9,0 cm DS 811 - 26,0 x 26,0 x 9,5 cm DS 812 - 26, x 26 x 17,5 cm TU 810-001 - 45 x 2,5 cm - safety strap

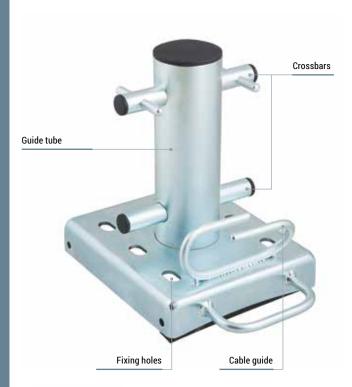






Descending devices	14 - <b>2</b>
Lifting and descending device	14 - 5
Pulleys and pulley blocks	14 - 6







**TU 100** 

Comes with cargo lashing AX 500 and bag.





**TU 101** 

Comes with cargo lashing AX 500 and bag.

Port-a-wrap - TU 100 - a device designed for arborists. Used mainly for sectional tree felling. Used for controlled descending of material. By correct weaving the cable through the device, branches or parts (sections) of the trunk can be safely lowered to the ground. Maximum tree diameter for cargo lashing AX 500 is 1.2m.

Port-a-wrap - TU 101 - a device designed for arborists. Used mainly for sectional tree felling. Used for controlled descending of material. By correct weaving the cable through the device, branches or parts (sections) of the trunk can be safely lowered to the ground. Maximum tree diameter for cargo lashing AX 500 is 1.2m.

### **PARAMETERS**

Material:	galvanized steel
Minimum Breaking Strength (MBS):	50 kN
Maximum Working Load (WLL):	10 kN
Weight:	7,30 kg
Dimensions:	370 x 385 x 300 mm
Cable diameter:	ø 10 – 14 mm

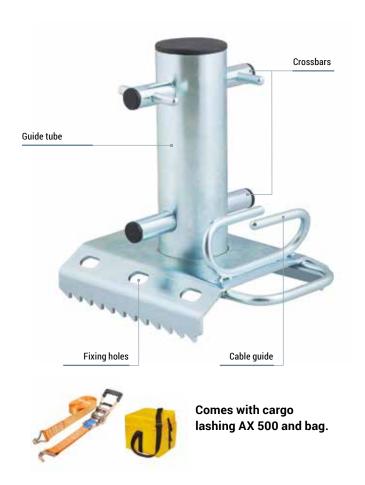
REF. NO.:

TU 100

### **PARAMETERS**

Cable diameter:		ø 10 – 14 mm
Dimensions:		178 x 250 x 200 mm
Weight:		5,80 kg
Maximum Working Load	I (WLL):	30 kN
Minimum Breaking Stre	ngth (MBS):	150 kN
Material:	stainless st	eel, electrochemically polished

REF. NO.:





Port-a-wrap - TU 100 - a device designed for arborists. Used mainly for sectional tree felling. Used for controlled descending of material. By correct weaving the cable through the device, branches or parts (sections) of the trunk can be safely lowered to the ground. Maximum tree diameter for cargo lashing AX 500 is 1.2m.

Port-a-wrap - TU 200 - a device designed for arborists. Used mainly for sectional tree felling. Used for controlled descending of material. By correct weaving the cable through the device, branches or parts (sections) of the trunk can be safely lowered to the ground.

### **PARAMETERS**

**TU 110** 

Cable diameter:	ø 10 – 14 mm
Dimensions:	335 x 300 x 250 mm
Weight:	6,45 kg
Maximum Working Load (WLL):	10 kN
Minimum Breaking Strength (MBS):	50 kN
Material:	galvanized steel

REF. NO.:

TU 110

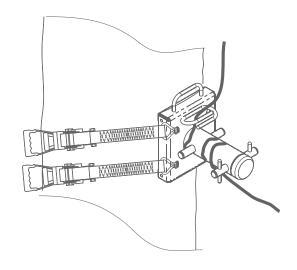
### **PARAMETERS**

Cable diameter:	ø 10 – 14 mm
Dimensions:	265 x 230 x 75 mm
Weight:	1,92 kg
Maximum Working Load (WLL):	10 kN
Minimum Breaking Strength (MBS):	50 kN
Material:	galvanized steel

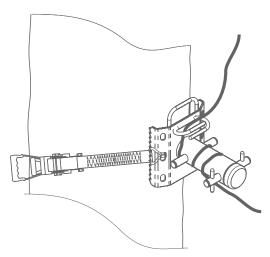
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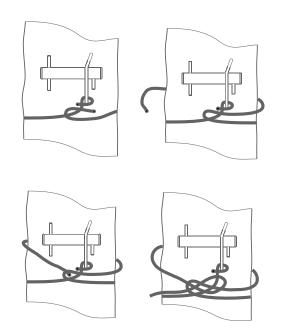
# **TU 201**



TU 100



TU 110



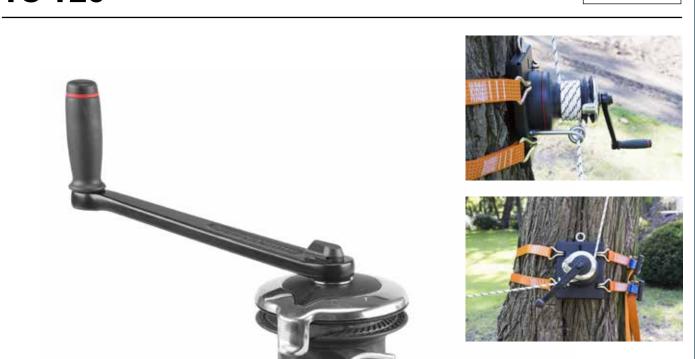
TU 200, TU201





Port-a-wrap - TU 201 - a device designed for arobrists made of stainless steel. Used mainly for sectional tree felling. Used for controlled descending of material. By correct weaving the cable through the device, branches or parts (sections) of the trunk can be safely lowered to the ground.

Cable diameter:	ø 10 – 20 mm
Dimensions:	260 x 282 x 108 mm
Weight:	2,32 kg
Maximum Working Load (WLL):	10 kN
Minimum Breaking Strength (MBS):	50 kN
Material:	stainless steel



PARAMETERS

Winch fixing base

Fixing holes

Maximum Working Load (WLL): 13 kN Minimum Breaking Strength (MBS): 65 kN Cable diameter: 8 - 14 mm Power factor - 1 11.70 Power factor - 2 46.50 Gear ratio - 1 2.30 Gear ratio - 2 9.17 base - powder-coated steel spindle - stainless steel Material: covers - aluminium gear wheels - galvanized steel Dimensions: 429 x 250 x 355 mm Weight: 10,2 kg REF. NO.: TU 120

The winch is designed for precise descending and lifting of the material. Adapted to be fixed on the tree trunk by means of the base and two fixing straps. The base has two removable rubber fender beams protecting the tree bark against damage. Cable guides are intended to maintain correct position of the cable when unwinding from and winding on the drum.

Maximum tree diameter for cargo lashing AX 500 is 1.2m.



Auxiliary cable guide



# **LIFTING AND DESCENDING DEVICES**

14

### EN 12278:2007



### **COLOUR VERSIONS**









### **PARAMETERS**

Dimensions:	176 x 96 x 88 mm
MBS:	100 kN
WLL:	20 kN
Safety Factor:	5:1
Maximum rope diameter:	<18 mm
Through hole diameter:	18 mm
Weight:	1,38 kg
Material:	body - forged aluminium main axle - stainless steel rollers - aluminium

REF. NO.:

TU 400

# **TU 401**

### Small pulley with through hole and with twist lock

### EN 12278:2007



### **COLOUR VERSIONS**









### **PARAMETERS**

Dimensions:	176 x 96 x 88 mm
MBS:	100 kN
WLL:	20 kN
Safety Factor:	5:1
Maximum rope diameter:	<18 mm
Through hole diameter:	18 mm
Weight:	1,38 kg
Material:	body - forged aluminium main axle - stainless steel rollers - aluminium

REF. NO.:

### EN 12278:2007



### **PARAMETERS**

Dimensions:	176 x 96 x 88 mm
MBS:	100 kN
WLL:	20 kN
Safety Factor:	5:1
Maximum rope diameter:	<18 mm
Weight:	1,40 kg
Material:	body - forged aluminium main axle - stainless steel rollers - aluminium

### **COLOUR VERSIONS**









REF. NO.:

TU 402

# **TU 403**

### Small pulley without through hole and with twist lock

### EN 12278:2007



### **PARAMETERS**

Dimensions:	176 x 96 x 81 mm
MBS:	100 kN
WLL:	20 kN
Safety Factor:	5:1
Maximum rope diameter:	<18 mm
Weight:	1,40 kg
Material:	body - forged aluminium main axle - stainless steel rollers - aluminium

### **COLOUR VERSIONS**









REF. NO.:



### EN 12278:2007



### **COLOUR VERSIONS**



blue









### **PARAMETERS**

Dimensions:	238 x 85 x 115 mm
MBS:	125 kN
WLL:	25 kN
Safety Factor:	5:1
Maximum rope diameter:	<30 mm
Through hole diameter:	30 mm
Weight:	2,30 kg
Material:	body - forged aluminium main axle - stainless steel rollers - aluminium

REF. NO.:

TU 404

# **TU 405**

### Large pulley with through hole and with twist lock

### EN 12278:2007



### **COLOUR VERSIONS**



blue



blad



### **PARAMETERS**

Dimensions:	238 x 85 x 115 mm
MBS:	100 kN
WLL:	20 kN
Safety Factor:	5:1
Maximum rope diameter:	<30 mm
Through hole diameter:	30 mm
Weight:	2,3 kg
Material:	body – forged aluminium main axle – stainless steel rollers – aluminium
REF. NO.:	

### EN 12278:2007



### **COLOUR VERSIONS**









### **PARAMETERS**

D: .	000 05 115
Dimensions:	238 x 85 x 115 mm
MBS:	125 kN
WLL:	25 kN
Safety Factor:	5:1
Maximum rope diameter:	<30
Weight:	2,5 kg
Material:	body - forged aluminium main axle - stainless steel rollers - aluminium

REF. NO.:

TU 406

# **TU 407**

### Large pulley without through hole and with twist lock

### EN 12278:2007



### **COLOUR VERSIONS**









### **PARAMETERS**

Dimensions	220 v 05 v 115 mm
Dimensions:	238 x 85 x 115 mm
MBS:	100 kN
WLL:	20 kN
Safety Factor:	5:1
Maximum rope diameter:	<30
Through hole diameter:	2,5 kg
Weight:	2,3 kg
Material:	body – forged aluminium main axle – stainless steel rollers – aluminium





Pulley block TU 410 is designed to lift and descend materials, loads. It is used mainly in sectional tree felling. Used for controlled descending of the material. By correct weaving the cable through the device, branches or parts (sections) of the trunk can be safely lowered to the ground. This is a perfect solution for use in inaccessible, tight spaces in the crowns of trees.

### Special remark:

Since the gear ratio is 4:1 the ropes ordered should have 4x the length that would normally be ordered for the given use. For instance, there are 15m of operating rope length in a 60m long rope.



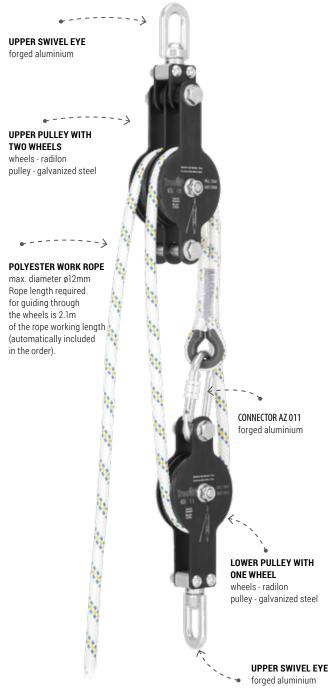
### **PARAMETERS**

Dimensions:	250 x 198 mm - TU411 198 x 198 mm - TU412
Weight:	1822 g - TU411 1508 g - TU412
Gear ratio (set):	4:1
MBS:	50 kN
WLL:	10 kN
Through hole diameter:	ø 8 - 12 mm (textile rope)

REF. NO.:

TU 410 (set TU411 + TU 412)	
TU 411	
TU 412	

### Machine Directive: 2006/42/EEC



### **INTENDED USE**

Pulley block TU 413 can be used for tree climbing (sectional tree felling) and load transporting. The device is designed to lift and descend loads. It is not designed for use as personal fall protection equipment.

### **DESIGN**

The TU 413 pulley block set comprises the following elements:

- a) upper rope pulley with two wheels
- b) lower rope pulley with one wheel
- c) connector for connecting the work rope end to the lower pulley
- d) work rope

### **USED MATERIALS**

Both (upper and lower) pulleys comprise wheels made of plastic - radilon (set on ball bearings, enabling free wheel motion under load) connected to galvanized steel plates.

Axles and fasteners (bolts, nuts, washers) are made of galvanized steel. Each pulley is provided with a swivel eye made of aluminium alloy. The eye on the upper pulley can be additionally rotated against the pulley block body.

### **WORK ROPE LENGTH RANGE**

Along with the reduction in force required to lift or descend a load, the rope length "S" required to lift the load for height "H" increases three times. Example: if you want to lift a load at height H = 3m, from the pulley, pull away the rope length S = 3 \* H = 3 \* 3m = 9m. Take this into account when choosing the required rope length. The pulley block can be used only with textile rope, max. diameter  $\emptyset$  12mm.

Maximum rope diameter:	ø 12 mm
Device ratio:	3:1
Minimum Breaking Strength (MBS):	50 kN
Working Load Limit (WLL):	10 kN
Safety Factor:	5:1
Weight of set (without work rope):	2,47 kg

REF. NO.:	ROPE LENGTH:
TU 413	-
TU 413 10	10 m
TU 413 20	20 m
TU 413 30	30 m
TU 413 40	40 m
TU 413 50	50 m





### **PARAMETERS**

Material:	galvanized steel, radilon stainless steel, cast iron casting
Weight:	1,14 kg
Dimensions:	300 x 130x 56 mm
Working load:	max. 1000 kg
Steel cable diameter:	6,3 mm
Textile rope diameter:	8,0 - 12,0 mm
Safety Factor:	3:1
Gear ratio:	1:2
WLL:	10 kN
MBS:	40 kN
REF. NO.:	
TU 415	

# **TU 416**

### Pulley with hook 2000kg



### **PARAMETERS**

	stainless steel
Weight:	2,15 kg
Dimensions:	330 x 130x 56 mm
Working load:	max. 2000 kg
Steel cable diameter:	6,3 - 8,0 mm
Textile rope diameter:	12,0 - 14,0 mm
Safety Factor:	3:1
Gear ratio:	1:2
WLL:	20 kN
MBS:	60 kN

14

12









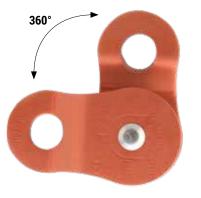
**EXAMPLE USE**OF PULLEYS

PL 101 Pulley



Dimensions:	133 x 56 x 128 mm
Weight:	450 g
Working load:	max. 1000 kg
Breaking strength:	30 kN
Safety Factor:	5:1
Rope diameter:	6 mm - 12 mm
REF. NO.:	
PL 101	







## COLOUR VERSIONS











### **PARAMETERS**

Dimensions: 80 x 44 x 37 mm   Weight: 105 g   Material: aluminium alloy   MBS: 25 kN   WLL: 5 kN   Safety Factor: 5:1   Maximum rope diameter: <13,5 mm   Ø mounting hole: ≤16 mm		
Material: aluminium alloy  MBS: 25 kN  WLL: 5 kN  Safety Factor: 5:1  Maximum rope diameter: <13,5 mm	Dimensions:	80 x 44 x 37 mm
MBS: 25 kN  WLL: 5 kN  Safety Factor: 5:1  Maximum rope diameter: <13,5 mm	Weight:	105 g
WLL: 5 kN Safety Factor: 5:1 Maximum rope diameter: <13,5 mm	Material:	aluminium alloy
Safety Factor: 5:1  Maximum rope diameter: <13,5 mm	MBS:	25 kN
Maximum rope diameter: <13,5 mm	WLL:	5 kN
· ·	Safety Factor:	5:1
Ø mounting hole: ≤16 mm	Maximum rope diameter:	<13,5 mm
	Ø mounting hole:	≤16 mm

REF. NO.:

TU 420

# **TU 421**

### **Triple pulley**



### **COLOUR VERSIONS**













### **PARAMETERS**

Dimensions:	90 x 70 x 37 mm
Weight:	160 g
Material:	aluminium alloy
MBS:	25 kN
WLL:	5 kN
Safety Factor:	5:1
Maximum rope diameter:	<13,5 mm
Ø mounting hole:	≤16 mm

REF. NO.:













### **PARAMETERS**

Dimensions:	122 x 80 x 38 mm
Weight:	257 g
Material:	aluminium alloy
MBS:	30 kN
WLL:	6 kN
Safety Factor:	5:1
Maximum rope diameter:	<15 mm

REF. NO	
---------	--

TU 430

# **TU 431**

### EN 12278



### **COLOUR VERSIONS**



### **Double pulley**

Double pulley made of aluminium with movable pads designed for setting up of compound pulley systems. Also suitable in rescue applications.

<15 mm
5:1
6 kN
30 kN
aluminium alloy
470 g
162 x 80 x 63 mm



### **PARAMETERS**

Dimensions:	85 x 40 x 39 mm
MBS:	25 kN
WLL:	5 kN
Working load:	500 kg (5 kN)
Weight:	153 g
Maximum Prusik diameter:	ø 10 mm
Maximum work rope diameter:	ø 13 mm
Maximum webbing sling width:	21 mm
Material:	aluminium, hardened steel
REF. NO.:	

### **COLOUR VERSIONS**





orange

work rope max. ø 13 mm





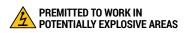
red

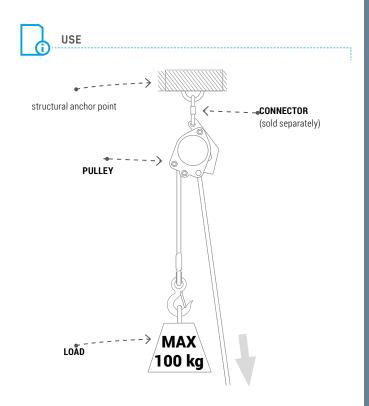


### **INTENDED USE**

Pulley is designed to lift and descend loads. It is fitted with a mechanism braking the load when the rope is released by the worker who pulls the rope.

### **SPECIAL FEATURES**



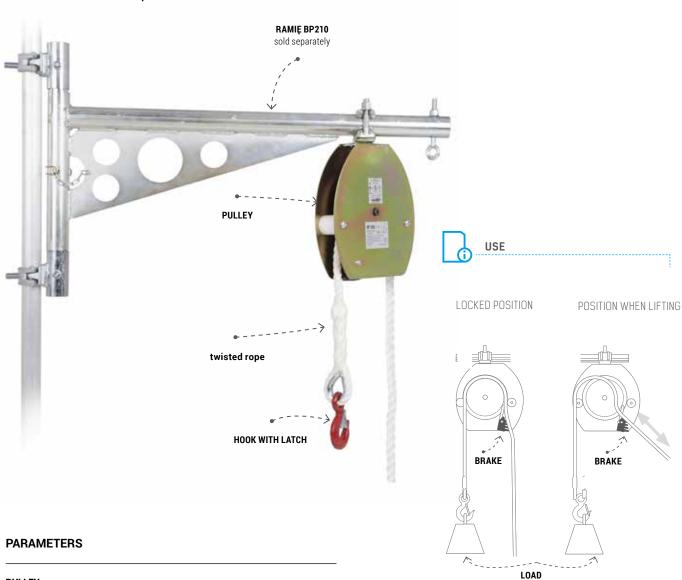


Dimensions:	190 x 55 x 150 mm
Working Load Limit (WLL):	100 kg
Weight:	≈2,2 kg
Material:	steel, aluminium
ROPE	
Diameter:	14 mm
Material:	polyester
Manufacture:	twisted rope
HOOK WITH LATCH	
Material:	powder coated steel
Opening:	26 mm
Weight:	410 g
Load capacity:	1000 kg
Breaking strength:	50 kN

REF. NO.:	CABLE LENGTH
BP 020-20	20,0 m
BP 020-30	30,0 m
BP 020-50	50,0 m



### EN 13157:2004+A1:2009, EN 12278:2001



300 x 300 x 54 mm
100 kg
galvanized steel
16 mm
polyester
twisted rope
galvanized steel
26 mm
410 g
1000 kg
50 kN

### **INTENDED USE**

Pulley with load capacity of 460kg is designed for manual lifting and descending of free loads with use of rope, 18mm dia. The pulley design complies with European Parliament and Council Directive 2006/42/EC and harmonized standards EN13157:2004+A1:2009 and EN 12278:2001.

REF. NO.:	CABLE LENGTH
BP 200 20	20 m
BP 200 30	30 m
BP 200 40	40 m
BP 210 - arm	





Screens

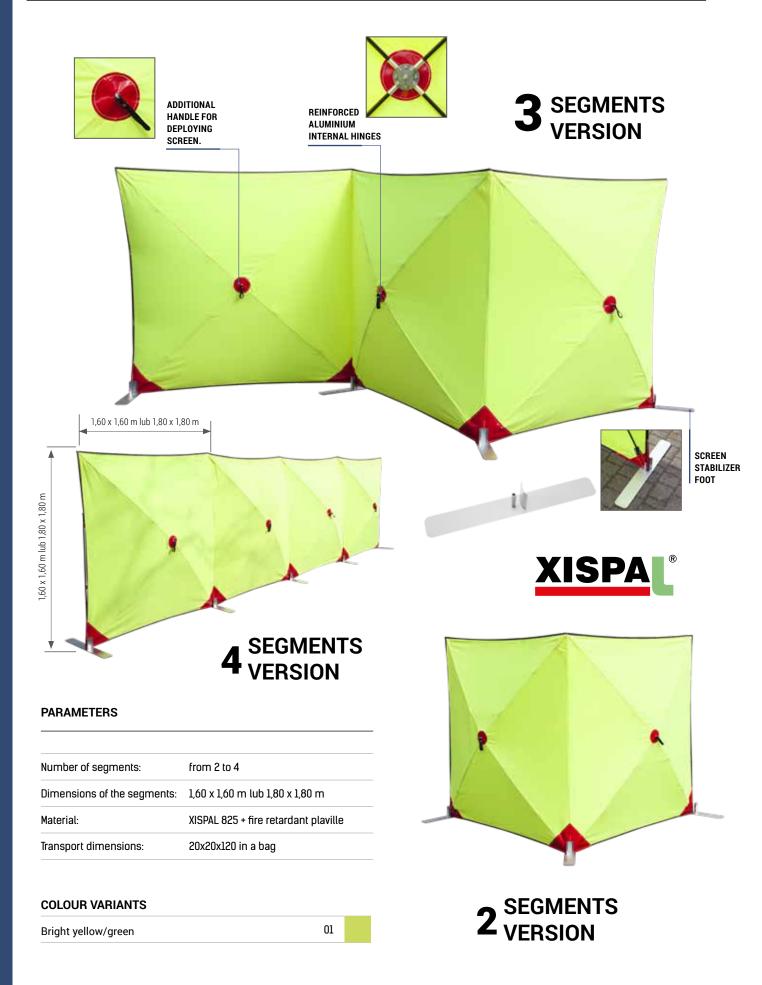
15 - **02** 

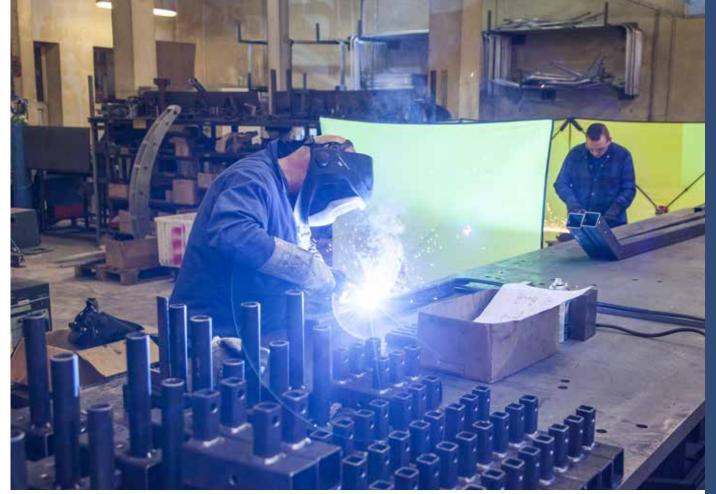
**Ground tents** 

15 - **04** 

**Protection netting** 

15 - **10** 











Ref. no.: GT 110





Openings for ventilation ducts



New strengthened fibre-glass rack poles Ø 12



New strengthened aluminium joints



Window holes protected with meshing

Safety tent GT 110 is designed to provide shelter against weather conditions during works in manholes, etc.

REF. NO.:

GT 110

Weight:	10,00 kg
Dimensions:	180 x 180 x 180 cm
Dimensions when folded:	140 v 25 v 25 cm



### CARGO BAG INCLUDED









Ref. no.: **AT 201** 

Scissor fence is designed for warning, and securing and guarding of work locations. Used for works at sewer and telecom manholes.

### **PARAMETERS**

1,24 m
4,75 kg
max. side length 2.13m

REF. NO.:

AT 201

# **AT 202**

### **Scissor barrier**

Ref. no.: **AT 202** 



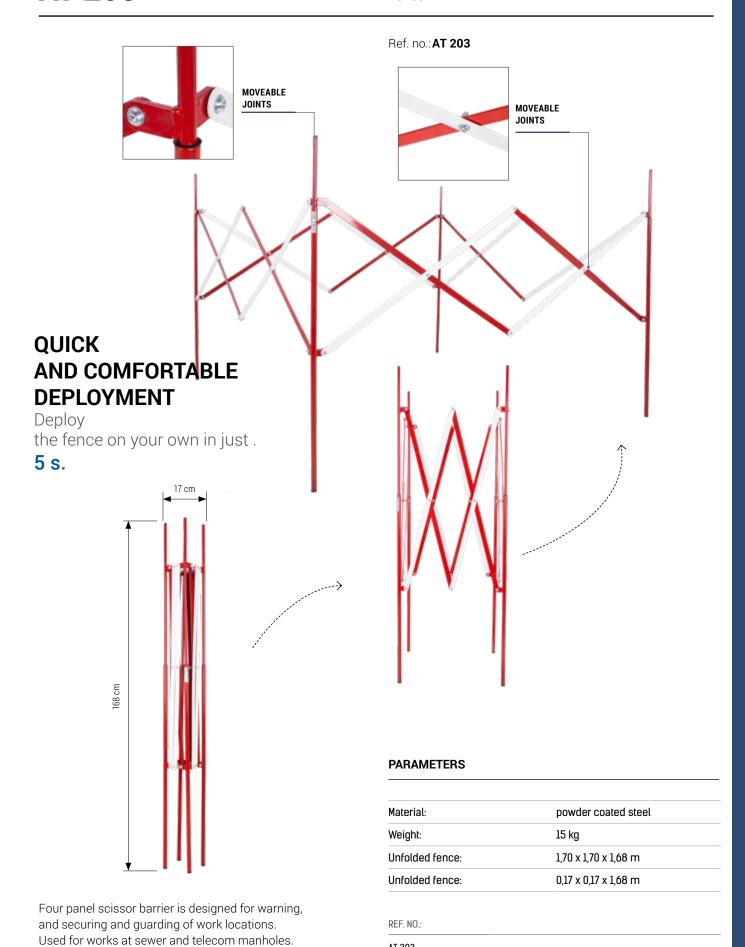
Four panel scissor barrier is designed for warning, and securing and guarding of work locations. Used for works at sewer and telecom manholes.

### **PARAMETERS**

Height:	1,24 m
Weight:	19 kg
Folded barrier:	0,25 x 0,25 x 1,24 m
Unfolded barrier:	max. side length 2.13m max. length 8.52m

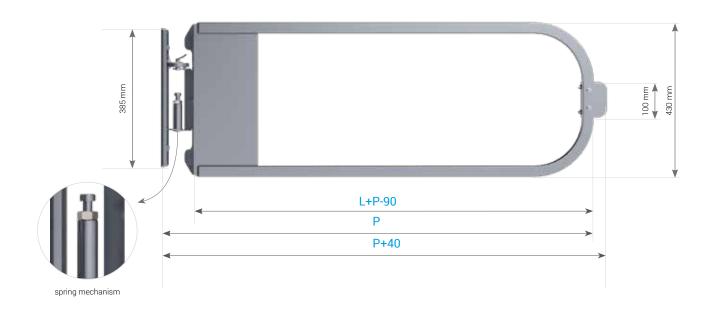
REF. NO.:

AT 202



AT 203









- P Space required for security
- L Length to which the gate should be shortened before assembly

(1200 mm length is the standard supplied).

The AT 241 self-closing gate is a functional device enabling safe use of ladders, eg on silos or separating transitions in different locations.

REF. NO.:	_
Unrolded barrier:	1100 X 420 mm
Unfolded barrier:	1100 x 426 mm
Dimensions:	0,25 x 0,25 x 1,24 m
Weight:	8 kg / 1.200 mm
Material:	galvanized steel powder coated

Fixing to concrete



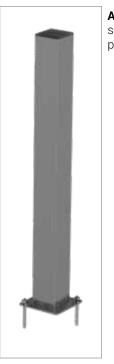
Fixing to pipe



Fixing to posts



### **ELEMENTS OF THE SET ARE AVAILABLE SEPARATELY**



AT241 003 support post



0) 0)

AT241 004 blocking plate



AT241 002 stainless steel clamp on pipe



segmented anchors Hilti HST2 M12 x 115/20

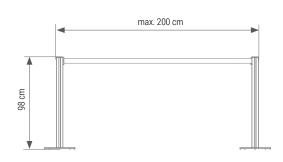
self drilling screws

5 x 25 mm





### **POSSIBLE CONFIGURATION - AT 505 X 2**



# 32,5 - 200 cm

### **PARAMETERS**

	AT 505 10	AT 505 20
Weight:	9,5 kg	9,5 kg
Pole height:	980 mm	1000 mm
Pole diameter:	70 mm	70 mm
Webbing width:	50 mm	50 mm
Strap length:	adjustable from 0 to 2.0m	adjustable from 0 to 2.0m
Foot diameter:	325 mm	350 mm
Post material:	powder coated aluminium	powder coated aluminium
Base material:	powder coated steel	plastic
Tape material:	poliester	plastic
Fastener material:	plastic	plastic

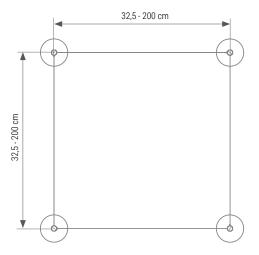
Steel foot is based on 8 plastic pods (to prevent surface scratches)

### Colour:

- foot and post colour as per RAL colour palette (basic: RAL 5001)
- strap colour as per SINECURA colour palette (basic: black)

REF. NO.:
AT 505 10
AT 505 20

### **POSSIBLE CONFIGURATION - AT 505 X 4**





Ref. no.: **AT 506** 











Strap colour as per SINECURA colour palette (basic: black)

Weight:	0,4 kg
Strap length:	adjustable from 0 to 2.0m
Strap material:	polyester
Case material:	coated aluminium and plastic
REF. NO.:	
AT 506	



CHAIN

FOR COUPLING OF POSTS

Ref. no.: AT 507



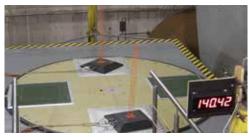
### Trapezoidal sheet base



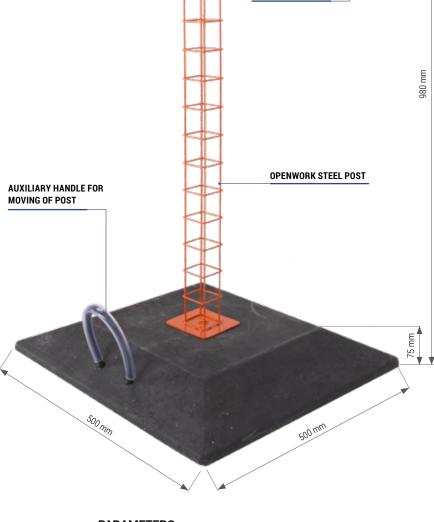
### Roofing paper base



### **PVC** membrane base



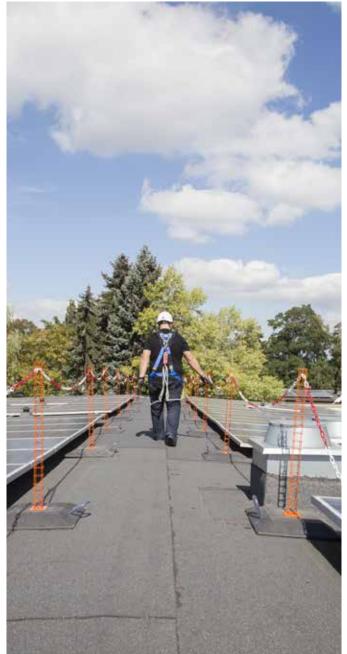
Openwork powder coated steel post with PVC foot for placement on roofs for guarding of danger areas and marking out of communication lanes. Posts are placed in a row, spaced ~2m and connected by plastic chain. Connecting chain, plastic (two-colour). Possibility of placing on various bases: roofing paper, trapezoidal sheet, PVC membrane. Allowed on roofs with inclination of no more than 5°.



Weight:	base – 15kg, whole 10kg
Post spacing:	~ 2m
Post with base material:	post – powder–coated steel, base – PVC recyclate
Materiał łańcucha:	plastic in various colours
Dimensions:	openwork post – 50 x 50 x 980 mm base – 500 x 500 x 75 mm







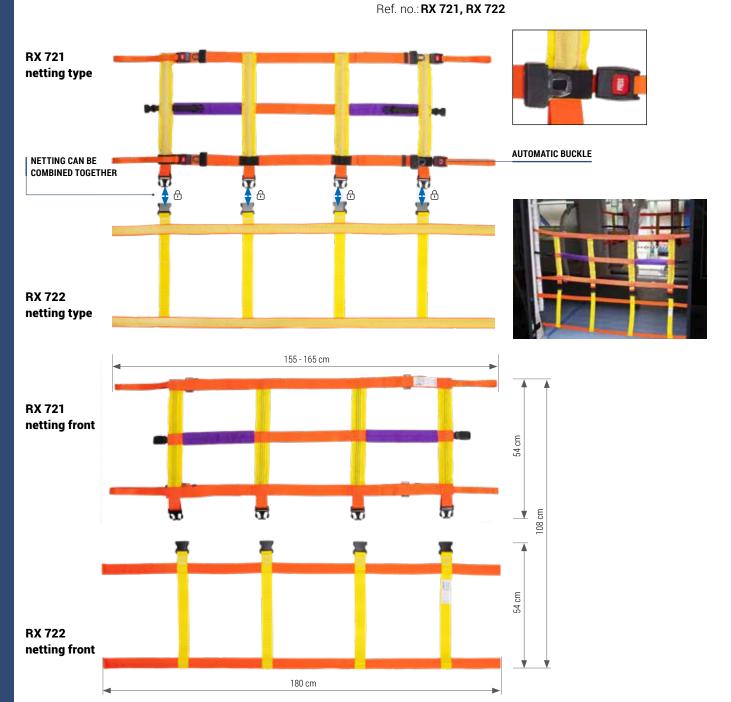


REE NO.

AT 507 (post with base + 2m chain)

On request yellow post + yellow-black chain is available





Netting RX 721, RX 722 for vertical protection, commonly used in places where a risk of fall is present (any door, window openings and crossings, etc.)

Recommended for the protection of:

- stairs
- openings in rail, metro wagons, trams and buses.

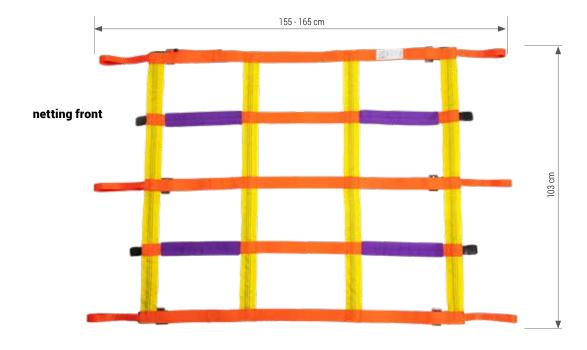
### **PARAMETERS**

RX 722

polyester
RX 721 - 155-165 x 54 cm, RX 722 - 180 x 54 cm
yellow, orange, purple

Ref. no.: **RX 723** 





Netting RX 724 for vertical protection, commonly used in places where a risk of fall is present (any door, window openings and crossings, etc.)

Recommended for the protection of:

- stairs
- openings in rail, metro wagons, trams and buses.

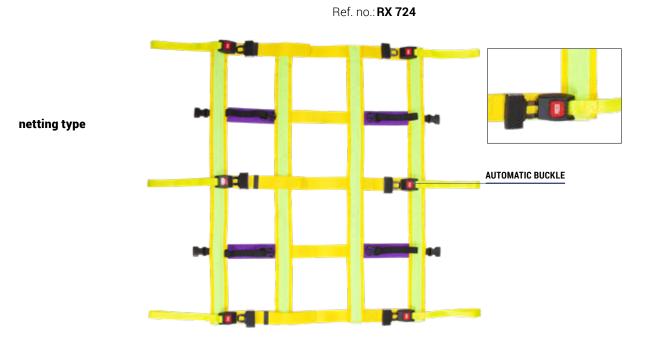
### **PARAMETERS**

Material:	polyester	
Netting dimensions:	153-168 x 103 cm	
Colour:	yellow, yellow HV, orange HV, purple	

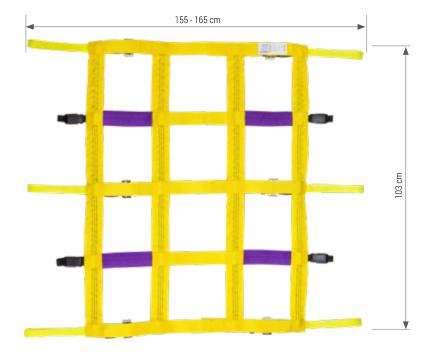
REF. NO.:

RX 723





netting front



Netting RX 724 for vertical protection, commonly used in places where a risk of fall is present (any door, window openings and crossings, etc.)

Recommended for the protection of:

- stairs
- openings in rail, metro wagons, trams and buses.

### **PARAMETERS**

Material:	polyester
Netting dimensions:	114-130 x 103cm
Colour:	yellow, yellow HV, purple

REF. NO.:

RX 724











# Additional accessories



Climbing	16 - <b>02</b>
Tool lanyards	16 - <b>08</b>
Tool holders	16 - <b>16</b>
Cargo bags	16 - <b>18</b>
Cargo cases and boxes	16 - <b>21</b>
Line throwing weights	16 - <b>23</b>
Tool holder	16 - <b>27</b>
Fans	16 - <b>29</b>







Rigging plate is designed for quick setting up of complex rigs thanks to numerous boreholes for connectors. Rigging plate has a large single main connecting point and three holes 20mm dia for connectors.

### **PARAMETERS**

CD 401		
REF. NO.:		
Material:	aluminium	
Dimensions:	90 x 83,5 mm	
Strength:	36 kN	
Weight:	62 g	

# **CD 402**

### **Rigging plate**

Ref. no.: **CD 402** 

Rigging plate designed for quick forming of complex rigs thanks to numerous boreholes for connectors. Rigging plate enables extension of connecting points on a rig. It has a large single main connecting point with two auxiliary holes, and 5 holes 20mm dia for connectors.



### **PARAMETERS**

Weight:	240 g	
Strength:	50 kN	
Dimensions:	100 x 159 mm	
Material:	aluminium	

REF. NO.:

CD 402



Rigging plate enables perfect alignment of connectors in the line of action of the force. It can also be used as a main rigging point in complex systems. The rigging plate has 5 holes 20mm dia at one side, and 8 holes 20mm dia for connectors.

### **PARAMETERS**

CD 403	
REF. NO.:	
Material:	aluminium
Dimensions:	149 x 248 mm
Strength:	50 kN
Weight:	500 g

# **CD 101**

### **Double pulley**

Ref. no.: **CD 101** 



Double pulley CD 101 is a device designed for horizontal transport using textile ropes of up to 13mm dia.

Weight:	250 g
Dimensions:	103 x 90 x 33 mm
REF. NO.:	
CD 101	





Chest ascender CD 201 and CD 202 without handle is designed for rope ascending or belaying. To be used with a kernmantle rope 8-13mm dia. Fitted with rope grab.

### **PARAMETERS**

Weight:	220 g
Dimensions:	134 x 90 x 28 mm
REF. NO.:	

# CD 201L, CD 202L

### **Chest ascender**

CD 201 CD 202

Ref. no.: CD 201L, CD 202L



Chest ascender CD 201 ultra light and CD 202 ultra light without handle is designed for rope ascending or belaying. To be used with a kernmantle rope 8-13mm dia. Fitted with rope grab.

Weight:	135 g		
Dimensions:	112 x 95 x 23 mm		
REF. NO.:			
CD 201L			
CD 202L			





Handled ascender CD 211 and CD 212 with handle for right- and left-hand users is designed for rope ascending on vertical surfaces or on slopes. To be used with a kernmantle rope 8-13mm dia. Fitted with rope grab.

### **PARAMETERS**

Weight:	220 g
Dimensions:	207 x 100 x 28 mm

REF. NO.:	
CD 211	
CD 212	

# CD 211L, CD 212L

### **Chest ascender**

Ref. no.: CD 211L, CD 212L





Belay CD 211 ultra light and CD 212 ultra light with handle for right- and left-handed users is designed for rope ascending on vertical surfaces or on slopes. To be used with a kernmantle rope 8-13mm dia. Fitted with rope grab.

### **PARAMETERS**

205 g
190 x 93 x 24 mm



5

16



Ref. no.: **CD 302** 

Rappel eight CD 302 is used rappel or rescue with use of a single or half rope.

### **PARAMETERS**

Weight:	80 g	
Dimensions:	108 x 80 x 7 mm	

REF. NO.: CD 302

# **CD 303**

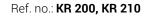
### Rigging plate

Ref. no.: **CD 303** 



Rappel eight CD 303 for rope descending.

Weight:	80 g
Dimensions:	131 x 74 mm
Rope diameter:	8 - 13 mm
REF. NO.:	
CD 303	





K 210 K 200

### **PARAMETERS**

	KR 200 SWIVEL SHACKLE WITH BEARINGS	KR 210	
Weight:	167 g	157 g	
Dimensions:	113 x 54 x 34 mm	113 x 54 x 34 mm	
Materiał:	aluminium alloy	aluminium alloy	
Static strength:	no less than 30 kN	no less than 30 kN	
Breaking strength:	less than 50 kN	less than 50 kN	
REF. NO.:	_		
KR 200			
KR 210			

# **KLK 100, KLK 200**



**KLK 100** 

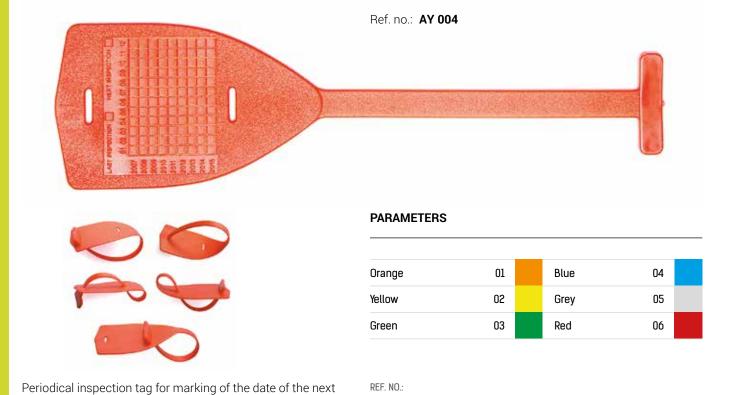


**KLK 200** 

REF. NO.:		
KLK 100		
KLK 200		



colours on request.

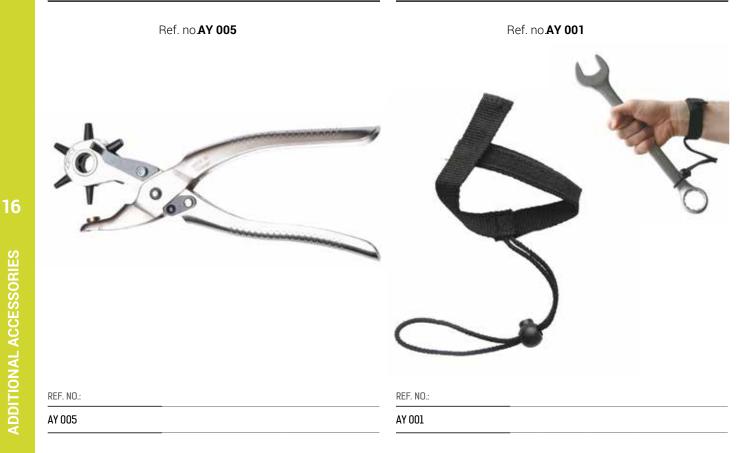


AY 004

AY 005 Perforator for periodical inspection tag AY 004

periodical inspection of the equipment. Available in different

**AY 001** Wrist tool lanyard





# **AY 003**

### Retractable tool holder







### **PARAMETERS**

Maximum load:	2 kg
Lanyard length:	max. 115 cm
Static strength:	35 daN / 3 min with no break

REF. NO.:

AY 003





Retractable tool holder with lanyard lock and webbing for wearing on the wrist.

### **PARAMETERS**

AY 010		
REF. NO.:		
Static strength:	35 daN	
Lanyard length:	max 115 cm	
Maximum load:	2 kg	

AY 011 Wrist tool lanyard

AY 012

Tool lanyard for left-hand users



	Ref. no.: <b>AY 012</b>
	931
PARAMETERS	James .

REF. NO.:	
Static strength:	35 daN / 3 min with no break
Lanyard length:	max. 115 cm
Maximum load:	2 kg

REF. NO.:

AY 011



Ref. no.: **AY 032 PARAMETERS** 

Dimensions:	45 x 15 x 20 mm
Size:	universal
Weight:	5 g
Material:	polyamide
REF. NO.:	
AY 032	

# **KLK 420**

Ref. no.: KLK 420

REF. NO.: AY 023





REF. NO.:	ROPE DIAMETER
KLK 420 12	ø 12 mm
KLK 420 16	ø 16 mm
KLK 420 26	ø 26 mm



16

### Ref. no.: AY 033





### **PARAMETERS**

Weight:	20 g
Material:	EPDM
Dimensions:	61 x 50 x 30 mm

New, easy-to-use connector-stabilising thimble guard, intended for textile ropes 12mm and 14mm.

REF. NO.:

AY 033

**AY 034** 

### **Connector stabiliser**

**NEW** 





New, easy-to-install connector stabiliser to be used with various textile ropes and webbings.

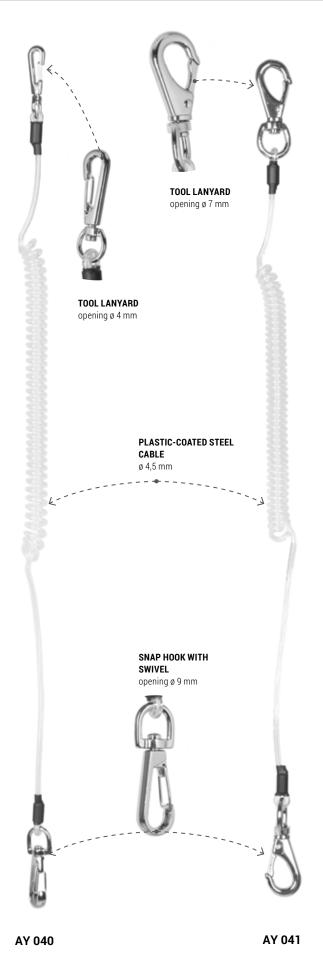
### **PARAMETERS**

Weight: 3,5 g Material: thermoplastic elastomere Dimensions: 65 x 20 x 5 mm



REF. NO.:

AY 034



Ref. no.: AY 040, AY 041



### **PARAMETERS**

AY 041	
AY 040	
REF. NO.:	
	ø 4.5mm
Material:	plastic-coated galvanized steel cable
Maximum extension:	max. 150 cm
Cable length:	63 cm
Maximum load:	1 kg



13



Ref. no.: AY 051

Tool lanyard – protection against dropping of tools, e.g. chainsaw. Strong seams, inverted loops – always open.

### **PARAMETERS**

Material:	polyester	
Webbing width:	25 mm	
Length:	1.3 m	
Static strength:	5 kN	
SWL:	50 kg	
Safety Factor:	7:1	
REF. NO.:		

# **AY 052**

### **Tool lanyard**

AY 051



Ref. no.: **AY 052** 

Tool lanyard – protection against dropping of tools, e.g. chainsaw. Strong seams, handy inverted loops.

Material:	polyester	
	potyester	
Webbing width:	25 mm	
Length:	1.3 m	
Static strength:	5 kN	
SWL:	50 kg	
Safety Factor:	7:1	
REF. NO.:		
AY 052		



Ref. no.: AY 053

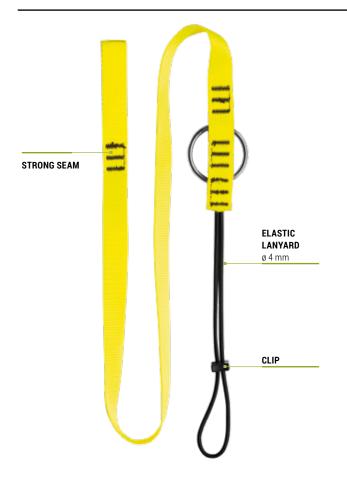
Tool lanyard – protection against dropping of tools, e.g. chainsaw. Strong seams, handy inverted loops.

### **PARAMETERS**

REF. NO.:		
Safety Factor:	7:1	
SWL:	50 kg	
Static strength:	5 kN	
Length:	1.3 m	
Webbing width:	25 mm	
Material:	polyester	

# **AY 054**

### **Tool lanyard**



Ref. no.: AY 054

Tool lanyard – protection against dropping of tools, e.g. chainsaw. Strong seams, handy inverted loops.

### **PARAMETERS**

Material:	polyester
Webbing width:	25 mm
Length:	1.3 m
Static strength:	600 N
SWL:	8 kg
Safety Factor:	7:1
REF. NO.:	
AY 054	



15



Ref. no.: AY 061

Tool holder to be attached to a harness.

### **PARAMETERS**

Webbing width:	40 - 55 mm	
Material:	natural leather	
Dimensions:	170 x 200 mm	
Weight:	85 g	

REF. NO.:

AY 061

## **AY 100**

### **Tool holder**

Ref. no.: AY 100







AY 100 - tool holder:

- · attached on belt or full body harness or harness straps,
- provides stable position during work,
- · enables easy access,
- · provides optimum tool arrangement,
- enables connection of an additional tool lanyard...

AY 100 IS NOT PERSONAL FALL PROTECTION EQUIPMENT.

REF. NO.:

AY 100



Trauma strap AY 201 and 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.



Ref. no.: AY 201, AY 202





REF. NO.:	LENGTH
AY 201	120 cm
AY 202	105 cm

# **TU 300**



### **Auxiliary hook**

Ref. no.: **TU 300** 

Auxiliary hook is designed for attachment of equipment and accessories required for work to full body harness. Provides an additional alternative for attaching equipment while tree climbing, helps user to keep both hands free to improve the overall safety.

TU 300 IS NOT PERSONAL FALL PROTECTION EQUIPMENT.

### **PARAMETERS**

Maximum Working Load (WLL):	50 kg
Maximum load:	10 kg
Minimum Breaking Strength (MBS):	500 kg
REF. NO.:	
TU 300	



17





Ref. no.: AX 008, AX 010, AX 011, AX 012

Cargo bag made from reinforced PVC fabric.

### **PARAMETERS**

Material:	reinforced PVC

### **COLOURS**

Yellow	01	
Red	02	
Blue	03	

REF. NO.:	DIMENSIONS	CAPACITY
AX 008 płaski	420 x 400 mm	16 l
AX 010	380 x 380 x 450 mm	36 l
AX 011	300 x 300 x 600 mm	33 l
AX 012	400 x 400 x 800 mm	81 l

# **AX 011D, AX 011K**

### Cargo bags



**AX 011K** 

Ref. no.: AX 011D, AX 011K

Cargo bag made from reinforced PVC fabric.

### **PARAMETERS**

Material:	reinforced PVC

### **COLOURS**

Yellow	01	
Red	02	
Blue	03	

REF. NO.:	DIMENSIONS	CAPACITY
AX 011D	300 x 300 x 600 mm	33 l
AX O11N	300 x 300 x 600 mm	33 l
AX O11K	300 x 300 x 600 mm	33 l

18





### Ref. no.:AX 013A

Bag made from reinforced PVC.

- internal plastic foil pocket for instruction manual;
- adjustable arm strap with padding;
- additional adjustment strap for improved use comfort.

### **PARAMETERS**

Material:	reinforced PVC	

### **COLOUR VERSIONS**

Yellow	01	
Red	02	
Blue	03	

REF. NO.:	DIMENSIONS	CAPACITY
AX 013A	600 x 450 x 450 mm	20 l

# AX 016 Cargo bag

**AX 801** 

Ballast bag

Ref. no.: **AX 016** 









Material:	reinforced PVC

### **COLOUR VERSIONS**

Yellow 01	
Red 02	
Blue 03	

REF. NO.:	DIMENSIONS	CAPACITY
AX 016	1800 x 230 x 200 mm	75 l

REF. NO.:	DIMENSIONS	CAPACITY
AX 801		



**Arborist bag** 

16



### Ergonomic arborist bag:

- · sewn breathable padding for improved wearing comfort,
- 2 pockets for power saws,
- convenient connector mounting system
- removable bottom.

### **PARAMETERS**

Weight:	1490 g
Material:	90% PVC, 10% polyester
Dimensions:	600 x 310 x 250 mm

### **COLOUR VERSIONS**

Orange-black

DEE NO.	DIMENSIONS	CADACITV

REF. NO.:	DIMENSIONS	CAPACITY
AX 070 - without snap hooks	600 x 310 x 250 mm	40 l

### Large arborist bag:

- double compartment for easier arrangement of loading space,
- 5 internal pockets,
- possibility of back pack division (2 detachable baskets),
- convenient straps for handling.

### **PARAMETERS**

Weight:	2680 g
Material:	polyester
Dimensions:	800 x 350 x 350 mm

### **COLOUR VERSIONS**

Black-red	01	

REF. NO.:	DIMENSIONS	CAPACITY
AX 080	800 x 350 x 350 mm	80 l

Ref. no.: AX 310, AX 311, AX 312



REF. NO.:	DIMENSIONS
AX 310	410 x 210 x 190 mm
AX 311	510 x 260 x 230 mm
AX 312	580 x 290 x 280 mm

# **AX 323**

### Toolbox

Ref. no.: **AX 323** 



Ballast bag for work rope of rope grab compliant with EN 353-2 (LINOSTOP II, AC 010). The bag can be loaded e.g. with sand up to 5kg.

REF. NO.:	DIMENSIONS
AX 323	340 x 308 x 126 mm





Ref. no.: TA 501 10, TA 501 20, TA 501 30

Cargo baskets are made from cotton cloth, reinforced PVC or polyester / PVC fabric.

### **PARAMETERS**

Material:	reinforced PVC

### **COLOUR VERSIONS**

Black

Red		02	
REF. NO.:	ROZMIAR		
TA 501 10 from cotton cloth	ø240x280mm		
TA 501 20 from PCV	ø240x280mm		
TA 501 30 from polyester / PVC fabric	ø240x280mm		

## **TA 502**







Cargo baskets are made from cotton cloth, reinforced PVC or polyester / PVC fabric.

### **PARAMETERS**

Material:	reinforced PVC

### **COLOUR VERSIONS**

Red 02	Black	01
	Red	02

ROZMIAR
ø300x400mm
ø300x400mm
ø300x400mm



TU 350 is a specifically-designed light cone wedge for use on the ground and on trees. It is intended for small and medium-sized trees. After a cut is made in the tree, the cone wedge is inserted which makes it easier to release the cut saw guide or enables to control tree tilting. The cone wedge may be turned using a ratchet spanner, impact gun or a hightorque drill driver equipped with a 1/2" squared pin. The cone wedge is made of thermally-hardened steel and its surface is protected by thermal and chemical processing (black oxide treatment). It is easy to fasten to a harness using a flexible rope.

### **PARAMETERS**

Material:	thermally tempered steel
Weight of the set:	642 g (cone wedge and rope)
Dimensions of the cone:	170 x 35 mm
Dimensions of the cone:	35 mm
The length of the cable:	130 cm (expanded)

REF. NO.:

TU 350



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TU 360 is a pocket-size wooden wedge, made of durable plastics, helps to release the jammed saw guide without the risk of damaging the chain, even in case of contact with it. Compact size and low weight allows to use both on the ground and on the tree. large, central hole allows for attaching the wedge to the harness by means of majority of holders of tools and carabineers.

high-stroke thermal-plasticst
46 g
93 x 49 x 18 mm
yellow / black

REF. NO.:

TU 360



Ref. no.: **AY 080** 

Line throwing weight

### **PARAMETERS**

Weight:	220 g, 280 g, 340 g, 400 g, 460 g	
Material:	steel, lead, polyester	

REF. NO.:	WEIGHT
AY 080 220	220 g
AY 080 280	280 g
AY 080 340	340 g
AY 080 400	400 g
AY 080 460	460 g

# **AY 081**





Ref. no.: AY 081

### **PARAMETERS**

Weight:	220 g, 280 g, 340 g, 400 g, 460 g
Material:	steel, lead, reinforced PVC

REF. NO.:	WEIGHT
AY 081 220	220 g
AY 081 280	280 g
AY 081 340	340 g
AY 081 400	400 g
AY 081 460	460 g





Ref. no.: **AY 082** 

### **PARAMETERS**

Weight:	220 g, 280 g, 340 g, 400 g, 460 g
Material:	steel, lead, synthetic leather, polyester

REF. NO.:	WEIGHT
AY 082 220	220 g
AY 082 280	280 g
AY 082 340	340 g
AY 082 400	400 g
AY 082 460	460 g

# **AY 083**

## Line throwing weight

Ref. no.: **AY 083** 



### 350 g AY 083 350 orange

450 g AY 083 450 red

250 g AY 083 250 blue

### **PARAMETERS**

Dimensions:	127 x 52 mm
Weight:	250 g, 350 g, 450 g
Material:	rubber, stainless steel
Breaking strength:	500kg of holder per rope

REF. NO.:	WEIGHT	
AY 083 250	250 g	
AY 083 350	350 g	
AY 083 450	450 g	



### **APPLICATION EXAMPLE**



AY 300 is a belt tool holder mounted with a burr to the belt or tapes or harness or safety belts. It facilitates optimum placement of tools to improve the work comfort. AY 300 allows for connecting a tool line, for example.

### **PARAMETERS**

Material:	pipe polyester tape plastic holder
Diameter of the tape:	40 mm
Max. load:	2 kg
REF. NO.:	
·	





### **APPLICATION EXAMPLE**



AY 301 is a belt tool holder mounted with a burr to the belt or tapes or harness or safety belts. It facilitates optimum placement of tools to improve the work comfort. AY 301 allows for connecting a tool line, for example.

### **PARAMETERS**

Material:	rolex polyester tape steel holder
Diameter of the tape:	40 mm
Max. load:	2 kg
REF. NO.:	
AY 301	

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SN 060 / SN 120 are ventilated and lockable tool cabinets adapted to store safety equipment and any accessories useful for working at heights. The SN 060 / SN 120 cabinets can be combined with each other to create convenient modules.

### **PARAMETERS**

powder coated steel
powder coated steet
SN 060 - 60 x 70 x 37,5 cm
SN 120 -120 x 70 x 37,5 cm
gray



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	WP 011	WP 012	WP 013
Power supply:	230-250 V	230-250 V	230-250 V
Frequency:	50-60 Hz	50-60 Hz	50-60 Hz
Motor power:	185 W	245 W	745 W
Airflow capacity:	1300 m3/h	1450 m3/h	3500 m3/h
Sound pressure:	80 dB	74 dB	85 dB
Weight:	8,10 kg	8 kg	14,75 kg
Dimensions (H x L x W):	47 x 38,10 x 31,75 cm	36 x 33 x 30 cm	53,30 x 43,15 x 35,55 cm

# WP 310, WP 330 Duct connector WP 410, WP 430 Duct coupler for blower

Ref. no.: WP 310, WP 330



Ref. no.: WP 410, WP 430



### **PARAMETERS**

WP 310	diameter 20cm	
WP 330	diameter 29cm	
REF. NO.:		

REF. NO.:

WP 410 for blower WP-011	
WP 430 for blower WP-013	

WP 310 for blower WP-011

WP 330 for blower WP-013

Ref. no.: WP 110, WP 130





### **PARAMETERS**

WP 110	diameter 20 cm
WP 130	diameter 29 cm
REF. NO.:	MAX LENGTH
WP 110 04 for blower WP-011	4,0 m
WP 110 07 for blower WP-011	7,0 m
WP 130 04 for blower WP-013	4,0 m
WP 130 07 for blower WP-013	7,0 m

### **PARAMETERS**

	WP 200 04	WP 200 07
Weight:	5,30 kg	10,30 kg
Dimensions:	36 x 58 x 30 cm	36 x 82 x 30 cm
Duct diameter:	20 cm	25 cm
REF. NO.:	MAX DUCT LENGTH	
WP 200 04	4,0 m	
WP 200 07	7,0 m	

## **WP 212**

### **Complete ventilation set**

TI 010

Labels on obligation to use full body harness

Ref. no.: WP 212



### **PARAMETERS**

	WP 212 04	WP 212 07
Duct diameter:	20 cm	25 cm
Airflow capacity	y: 1200 m3/h	1200 m3/h
Weight:	13,30 kg	18,30 kg
Dimensions:	36 x 80 x 30 cm	36 x 105 x 30 cm
255 110		
REF. NO.:	MAX DUCT LENGTH	
WP 212 04	4,0 m	
WP 212 07	7,0 m	

Ref. no.: **TI 010** 



## **NEW**

Information label available in 4 language versions: Polish, English, German and Russian.

### **PARAMETERS**

Dimensions:	250 x 330 mm
Material:	foamed PVC 3mm
REF. NO.:	DIMENSIONS
TI 010	250 x 330 mm

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**ADDITIONAL ACCESSORIES** 





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