



INTER



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ENG

NEWS

In new catalog you can find:

ERGON 4

new comfortable harness (page 8)



TREEMAN

new harness for tree care (page 16)



PERMANENT FALL PROTECTION SYSTEM

INTER SAFE-NET (page 25)



NEW ACCESSORIES (page 18-19)

INTER MIX PRO LADDERS

aluminium ladders with top insulated element and new equipment (page 30-31)



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ACTION ONE

Range created for customers with high expectations
Who uses the equipment each day in the most demanding conditions



ACTION ONE AUTO

WS08320 - M/L, WS08321 -XL



Professional safety harness equipped with:

- **double front anchorage point:**
 - top front (energy absorber, fall arrest system)
 - low front (ventral attachment point for descend or ascend)
- **back anchorage point** (energy absorber, fall arrest system)
- **comfortable positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **very wide leg loops** for a comfortable working position during suspension
- **shoulder strap padding**
- adjustments of leg, shoulder straps, positioning belt
- **duraluminium automatic buckles** on thighs and belt

EN 361

EN 358

EN 813

ACTION ONE

WS08020 - M/L, WS08021 - XL



Professional safety harness equipped with:

- **double front anchorage point:**
 - top front (energy absorber, fall arrest system)
 - low front (ventral attachment point for descend or ascend)
- **back anchorage point** (energy absorber, fall arrest system)
- **comfortable positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **very wide leg loops** for a comfortable working position during suspension
- **shoulder strap padding**
- adjustments of leg, shoulder straps, positioning belt
- **duraluminium automatic buckles** on thighs

EN 361

EN 358

EN 813

ACTION ONE ERGO

WS08120 - M/L, WS08121 - XL



Professional safety harness equipped with:

- **double front anchorage point:**
 - top front (energy absorber, fall arrest system)
 - low front (ventral attachment point for descend or ascend)
- **back anchorage point** (energy absorber, fall arrest system)
- **light positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **very wide leg loops** for a comfortable working position during suspension
- **shoulder strap padding**
- adjustments of leg, shoulder straps, positioning belt
- **standard buckles** on thighs and belt

EN 361

EN 358

EN 813

Harnesses are also available on request in other configurations with different belts, elastic/static webbings, automatic/standard buckles

ACTION WORK

WS08042 - M/L, WS08043 - XL



Professional safety harness equipped with:

- **double front anchorage point:**
 - top front (energy absorber, fall arrest system)
 - low front (ventral attachment point for descend or ascend)
 - **back anchorage point** (energy absorber, fall arrest system)
 - light **positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
 - **wide leg loops** for a comfortable working position during suspension
 - **shoulder strap padding**
 - adjustments of leg, shoulder straps, positioning belt
 - standard **buckles** on thighs and belt
 - aluminium attachment points
- EN 361
EN 358
EN 813

version with steel attachment points

- **ACTIONE WORK ERGO** - WS08242

version with automatic buckle (on shoulder and thighs)

- **ACTIONE WORK AUTO** - WS08142

ACTION ONE BELT

WS08020D - M/L, WS08021D - XL



Professional work positioning seat harness equipped with:

- **ventral attachment point** (for works in hanging position, ex. descend or ascend)
- **comfortable positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **very wide leg loops** for a comfortable working position during suspension
- adjustments of leg straps and positioning belt
- **duraluminium automatic buckles** on thighs

EN 358

EN 813

version with standard buckles

- **ACTIONE ONE ERGO BELT** catalog number - WS08120D

version with automatic buckles on belt

- **ACTIONE ONE AUTO BELT** catalog number - WS08320D

ACTION ONE TOP

WS08220G - M/L, WS08221G - XL



Chest harness for connection with ACTION BELT - enable to transform the seat harnesses into full body fall arrest harnesses, equipped with:

- **top front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- **shoulder strap padding**
- adjustment of shoulder straps and location of back anchorage point
- connector

EN 361

ACTION FORCE



Harness for technical specialists working at height, in a rescue, special forces or climbing sports. Consist of TOP and BOTTOM part and connection.

EN 813, EN 361

TOP - WS08040G

CONNECTION - WS08040S

BELT - WS08040D

SET - WS08040

ACTION P

WS08031- S, WS08032 - M/L, WS08033 - XL

Safety harness equipped with:

- **double front anchorage point:**
 - top front (energy absorber, fall arrest system)
 - low front (for descender or positioning work)
- **long back anchorage point** (energy absorber, fall arrest system)
- **very light and ergonomic positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **elastic shoulder straps**
- adjustments of leg, shoulder straps, positioning belt and back seat surface
- **wide leg straps**
- **duraluminium automatic buckles**

EN 361

EN 358

EN 813



ACTION BELT

WS05050

Safety harness equipped with:

- **front low anchorage point** (for descender or positioning work)
- **very light and ergonomic positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- adjustments of leg straps, positioning belt and back seat surface
- **wide leg straps**
- **duraluminium automatic buckles**

EN 358

EN 813



QUIK P

WS01001 - S, WS01002 - M/L, WS01003 - XL

Professional safety harness equipped with:

- **double front anchorage point:**
 - top front (energy absorber, fall arrest system)
 - low front (ventral attachment point for descend or ascend)
- **long back anchorage point** (energy absorber, fall arrest system)
- **very wide and comfortable positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **elastic shoulder straps**
- adjustments of leg, shoulder straps, positioning belt and back seat surface
- **wide leg loops** for a comfortable working position during suspension
- **duraluminium automatic buckles**

EN 361
EN 358
EN 813



QUIK U

WS00002 - S, WS00001 - M/L

Professional safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- **very wide and comfortable, rotating positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **elastic shoulder straps**
- adjustments of leg, chest, shoulder straps and positioning belt
- **chest strap**
- **duraluminium automatic buckles**
- **very ergonomic design of thigh straps** (hanging in the thigh part)

EN 361
EN 358



QUIK H

WS02003 - M/L WS02004 - XL

Professional safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- **very wide and comfortable, rotating positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **elastic shoulder straps**
- adjustments of leg, chest, shoulder straps and positioning belt
- **chest strap**
- **automatic buckles**
- **integral wide seat** for a comfortable working position during suspension

EN 361
EN 358



STANDARD HARNESSSES

Due to ergonomic construction are perfect for specialists
for who the work at heights is standard



ERGON 34

WS05034

Professional safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- **very wide and comfortable, rotating positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **elastic shoulder straps**
- adjustments of leg, chest, shoulder straps and positioning belt
- **connection on the thighs**
- **chest strap**
- **automatic buckles**

EN 361

EN 358



ERGON 41-44

Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **long back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest, shoulder straps and positioning belt
- **chest strap**
- **very wide and comfortable, rotating positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **wide leg straps**

EN 361

EN 358

ERGON 41 - static shoulder straps_standard buckles

catalog number - WS05041

ERGON 42 - static shoulder straps_automatic buckles

catalog number - WS05042

ERGON 43 - elastic shoulder straps_standard buckles

catalog number - WS05043

ERGON 44 - elastic shoulder straps_automatic buckles

catalog number - WS05044



ERGON 44 PLUS

WS05047 - S, WS05045 - M/L, WS05046 - XL

Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **long back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest, shoulder straps and positioning belt
- **chest strap**
- **wide and comfortable, rotating positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **wide leg straps**
- **elastic shoulder straps**
- **automatic buckles**
- **all buckles made of aluminium (light version and very resistant to corrosion)**

EN 361

EN 358



Harnesses are also available on request in other configurations with different belts, elastic/static webbings, automatic/standard buckles

STANDARD HARNESSSES

Due to ergonomic construction are perfect for specialists
for who the work at heights is standard

ERGON 3

WS05003



Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest and shoulder straps
- **connection on the thighs** (to prevent spontaneous falling leg straps at work)
- **elastic shoulder straps**
- **chest strap**

EN 361

- harnesses made of flame resistant webbings and threads

ERGON 3B - WS05003

ERGON 4 AUTO

WS05004A



Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest and shoulder straps
- **very comfortable construction thigh belts** (horizontal webbings
- to prevent spontaneous falling leg straps at work)
- **elastic shoulder straps**
- **wide chest strap**
- **automatic buckles**

EN 361

version with standard connecting and adjustment buckles:

ERGON 4

catalog number: **WS05004**

ERGON 4 COMFORT

WS05004C



Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest and shoulder straps
- **very comfortable construction thigh belts** (horizontal webbings
- to prevent spontaneous falling leg straps at work)
- **elastic shoulder straps**
- **wide chest strap**
- **automatic buckles**
- version with wide paddings on thigh and shoulder webbings

EN 361

UNIVERSAL HARNESSSES

These harnesses are very easy to use and adjust, ideal for companies with work on heights in their offer.



BT 12

WS04012



Safety harness equipped with:

- **back anchorage point** (energy absorber, fall arrest system)
- integrated adjustment on thigh straps, adjustments on chest strap and positioning belt
- **chest strap**
- **positioning belt with side anchorage points** (to use with positioning lanyard)

EN 361

EN 358

BT 22

WS04022



Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest, shoulder straps and positioning belt
- **chest strap**
- **positioning belt with side anchorage points** (to use with positioning lanyard)

EN 361

EN 358

BT 23

WS04023



Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest, shoulder straps and positioning belt
- **chest strap**
- **rotating positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)

EN 361

EN 358

version with automatic buckles:

catalogue no. - WS04023A

Harnesses are also available on request in other configurations with different belts, elastic/static webbings, automatic/standard buckles

UNIVERSAL HARNESSSES

These harnesses are very easy to use and adjust, ideal for companies with work on heights in their offer.

BEST 1

WS04001

Safety harness equipped with:

- **back anchorage point** (energy absorber, fall arrest system)
- integrated adjustment on thigh straps
- **connection on the thighs** (to prevent spontaneous falling leg straps at work)
- **chest strap** with adjustment

EN 361



BEST 2

WS04002

Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest and shoulder straps
- **connection on the thighs** (to prevent spontaneous falling leg straps at work)
- **chest strap**

EN 361



BEST 2 AUTO

WS04002A

Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- adjustments of leg, chest and shoulder straps.
- **connection on the thighs** (to prevent spontaneous falling leg straps at work)
- **wide chest strap**
- **automatic buckles**

EN 361



Harnesses are also available on request in other configurations with different belts, elastic/static webbings, automatic/standard buckles

INSULATED HARNESSSES




QUIK P ELEC

WS01001E - S, WS01002E - M/L, WS01003E - XL


Professional safety harness equipped with:

- **insulated double front anchorage point:**
 - top front (energy absorber, fall arrest system)
 - low front (ventral attachment point for descend or ascend)
- **long back insulated anchorage point** (energy absorber, fall arrest system)
- **very wide and comfortable positioning belt with insulated side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **elastic shoulder straps**
- **insulated** adjustments of leg, shoulder straps, positioning belt and back seat surface
- **wide leg loops** for a comfortable working position during suspension
- **insulated duraluminium automatic buckles**

EN 361
EN 358
EN 813



insulation cover
on
automatic buckles



insulated
side anchorage
points


QUIK U ELEC

WS00002E - S, WS00001E - M/L

Professional safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **insulated back anchorage point** (energy absorber, fall arrest system)
- **very wide and comfortable, rotating positioning belt with side insulated anchorage points** (to use with positioning lanyard)
- **elastic shoulder straps**
- **insulated** adjustments of leg, chest, shoulder straps and positioning belt
- **chest strap**
- **insulated duraluminium automatic buckles**
- **very ergonomic design of thigh straps** (hanging in the thigh part)

EN 361
EN 358



insulated
adjustment


ERGON 43 ELEC

WS05043E


Safety harness equipped with:

- **front anchorage point** (energy absorber, fall arrest system)
- **insulated long back anchorage point** (energy absorber, fall arrest system)
- **insulated** adjustments of leg, chest, shoulder straps and positioning belt
- **chest strap**
- **very wide and comfortable, rotating positioning belt with side insulated anchorage points** (to use with positioning lanyard)
- **wide leg straps**
- **elastic shoulder straps**

EN 361
EN 358



insulated
buckles



insulated
anchorage
points

INTER SET 1 AMORT

BEST 1



- Safety harness equipped with:
- **back** anchorage point
 - integrated adjustment on thigh straps
 - connection on the thighs (to prevent spontaneous falling leg straps at work)
 - chest strap with adjustment

EN 361



Safety lanyard with energy absorber and connectors

EN 355
EN 362

transport bag



packed set

catalogue no.
WZ00001

INTER SET 2 AMORT

BEST 2



- Safety harness equipped with:
- **front** anchorage point
 - **back** anchorage point
 - adjustments of leg, chest and shoulder straps
 - connection on the thighs
 - chest strap

EN 361



Safety lanyard with energy absorber and connectors

EN 355
EN 362

transport bag



packed set

catalogue no.
WZ00002

INTER SET 2 COMFORT

ERGON 4 AUTO



- Safety harness equipped with:
- front anchorage point
 - back anchorage point
 - adjustments of leg, chest and shoulder straps.
 - very comfortable construction thigh belts
 - **wide chest strap**
 - **automatic buckles**

EN 361

HAKON NS



Safety lanyard with energy absorber and connectors

EN 355
EN 362

transport bag



zapakowany zestaw

catalogue no.
WZ00012

FALL PROTECTION SETS



INTER SET 3

catalogue no.
WZ00003

BT 22



Safety harness equipped with:
- front anchorage point
- back anchorage point
- full adjustment
- chest strap
- positioning belt with side anchorage points
EN 361, EN 358

AMORT



Safety lanyard with energy absorber and connectors

EN 355
EN 362

POLEREG



Positioning lanyard with connectors

EN 354
EN 358
EN 362



packed set



transport bag

INTER SET 3 ERGO

catalogue no.
WZ00013

ERGON 34



Professional safety harness equipped with: front and back anchorage point, very wide and comfortable, rotating belt with side profiled anchorage points, elastic shoulder straps, connection on the thighs, chest strap, automatic buckles
EN 361
EN 358

AMORT



Safety lanyard with energy absorber and connectors

EN 355
EN 362

MANREG 2



Professional positioning lanyard with duraluminium mechanism, equipped with protection and connectors
length - 2m
EN 358
EN 362



packed set



transport bag

INTER SET 3 COMFORT

ERGON 34



Professional safety harness equipped with: front and back anchorage point, very wide and comfortable, rotating belt with side profiled anchorage points, elastic shoulder straps, connection on the thighs, chest strap, automatic buckles
EN 361
EN 358

HAKON N



Elastic double safety webbing with energy absorber and connectors

EN 355
EN 362

MANREG 2



Professional positioning lanyard with duraluminium mechanism, equipped with protection and connectors
length - 2m
EN 358
EN 362



packed set

catalogue no.
WZ00023



transport bag

INTER SET 4

BEST 2



Safety harness equipped with:

- front anchorage point
- back anchorage point
- adjustments of leg, chest and shoulder straps
- connection on the thighs
- chest strap

EN 361

SMARTGO + CS20



Movable fall arrester connected with rope equipped with micro energy absorber and connector.

EN 353-2
Set with rope
length - catalogue no.
10m - WZ01004
15m - WZ01504



transport bag



for work on roofs

length - catalogue no.
10m - WZ01004
15m - WZ01504

INTER SET 4 ERGO

ERGON 4 AUTO



Safety harness equipped with:

- front and back anchorage point
- adjustments of leg, chest and shoulder straps. Very comfortable construction thigh belts
- wide chest strap
- automatic buckles

EN 361

SMARTGO + CS20



Movable fall arrester connected with rope equipped with micro energy absorber and connector.

EN 353-2
Set with rope
length - catalogue no.
10m - WZ01014
15m - WZ01514



transport bag



for work on roofs

length - catalogue no.
10m - WZ01014
15m - WZ01514

INTER SET 5

BT 22



Safety harness equipped with:

- front anchorage point
- back anchorage point
- full adjustment
- chest strap
- positioning belt with side anchorage points

EN 361
EN 358

MANREG



Professional positioning lanyard with length adjustment mechanism - allows use under a load (ex. to walk on sloping roof or trees). Equipped with connectors RS21 (automatic) and CS20.

EN 358
length - catalogue no.
10m - WZ01005
15m - WZ01505

RING+CS20



Anchorage webbing 1m to wrap around an anchor point ex. a chimney. Complies with EN 795 and EN354

Connector CS20 steel screw, open. 18mm
Complies with EN 362



transport bag

for work on sloping roofs

length - catalogue no.
10m - WZ01005
15m - WZ01505

FALL PROTECTION SETS



for work
on sloping
roofs

ACTION WORK PLUS

INTER SET 5 ERGO

DS-5

RING + CS20



length - catalogue no.
10m - WZ01015
15m - WZ01515

Safety harness equipped with: double front and back anchorage point, ergonomic positioning belt with side profiled anchorage points, full adjustment, wide leg straps,
EN 361
EN 358
EN 813

Professional descend device with rope and connector.
EN 358, EN 12841, EN 341

length - catalogue no.
10m - WZ01015
15m - WZ01515

Anchorage webbing 1m to wrap around an anchor point ex. a chimney. Complies with EN 795 and EN354

connector CS20
steel screw, open. 18mm
Complies with EN 362



transport
bag

INTER SET 5 ERGO PLUS

ACTION WORK PLUS

DS-5

RING + CS20

SMARTROCK z CS21



Safety harness equipped with: double front and back anchorage point, ergonomic positioning belt with side profiled anchorage points, full adjustment, wide leg straps,
EN 361
EN 358
EN 813

Professional descend device with rope and connector.
EN 358, EN 12841, EN 341

length - catalogue no.
10m - WZ01025
15m - WZ01525

Anchorage webbings 1m to wrap around an anchor point ex. a chimney. Complies with EN 795 and EN354

2 connectors CS20
steel screw, open. 18mm
Complies with EN 362

Movable fall arrester with rope equipped with connector.

EN 353-2
EN 12841
Sets with rope
length - catalogue no.
10m - WZ01025
15m - WZ01525



transport
bag



packed
set

for work
on sloping
roofs

length - catalogue no.
10m - WZ01025
15m - WZ01525

TREEMAN

S/M - WS07310; M/L-WS07311; XL - WS07312



- Professional work positioning seat harness for tree care equipped with:
- **rope bridge** attachment point (replaceable and adjustable by knots)
 - rigging **plates** enable to use positioning lanyards and to put additional rope bridge
 - comfortable positioning belt with side profiled (bent-away) anchorage points (to use with positioning lanyard, side anchorage points can be hidden if unused)
 - loops for additional equipment and loop for first aid kit
 - back attachment point for chest harnesses (TREE CHEST or TREE TOP by INTER)
 - very wide and rotatable leg loops for a comfortable working position during suspension
 - adjustments of leg straps, positioning belt, back support and rope bridge
 - automatic buckles on belt and leg straps,
- EN 358
EN 813
TREEMAN BRIDGE - replaceable rope bridge for TREEMAN
- WS07490

TREEMAN SR

S/M - WS07330; M/L - WS07331; XL - WS07332



- Professional work positioning seat harness for tree care equipped with:
- **rope bridge** attachment point (replaceable and adjustable by knots)
 - rigging **plates** enable to use positioning lanyards and to put additional rope bridge
 - **additional ventral attachment point** (for works in hanging position, ex. descend or ascend) - enable to easy attach chest harness TREEWOR TOP
 - comfortable positioning belt with side profiled (bent-away) anchorage points (to use with positioning lanyard, side anchorage points can be hidden if unused)
 - loops for additional equipment and loop for first aid kit
 - back attachment point for chest harnesses (TREE CHEST or TREE TOP by INTER)
 - very wide and rotatable leg loops for a comfortable working position during suspension
 - adjustments of leg straps, positioning belt, back support and rope bridge
 - automatic buckles on belt and leg straps,
- EN 358 EN 813
TREEMAN BRIDGE - replaceable rope bridge for TREEMAN
- WS07490

TREE CHEST i TREE TOP

- Chest harnesses to use with seat harnesses TREEMAN or TREEWOR equipped with:
- **TREE CHEST** is equipped with front attachment point
 - **TREE TOP** is equipped with **front and back attachment point**
 - **TREE LINK** - the front connector (to connect chest part with the seat harness) is available in 2 lengths: long (for TREEMAN and TREEWOR harnesses) and short for connecting with the carabiner with the TREEMAN SR and TREEWOR U versions
 - front and back attachment point according to PN-EN 361

TREE CHEST - the chest part with the front attachment point
S / M -WS07340; M / L -WS07341; XL -WS07342

TREE TOP - chest part with front and back attachment point,
S / M - WS07350; M / L - WS07351; XL - WS07352

TREE LINK - the connector of the chest and the seat harness
long connector - L - WS07362 (to be combined with TREEMAN and TREEWOR units)
short connector - S - WS07361 (to connect with a carabiner with TREEMAN SR and TREEWOR U harness)

TREE CHEST
back

TREE CHEST
and **TREE TOP**
front

TREE TOP
back



TREEWOR C *(comfort)*

S - WS07029; M/L-WS07030; XL - WS07031

Professional work positioning seat harness for tree care equipped with:

- **flexible ventral attachment point with replaceable bridge** (for works in hanging position, ex. descend or ascend)
- **comfortable positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **very wide leg loops** for a comfortable working position during suspension
- adjustments of leg straps and positioning belt
- **duraluminium automatic buckles**
- version with **thick belt and leg loops**

EN 358
EN 813

- version with **light belt and leg loops**

TREEWOR

S - WS07019; M/L - WS07020; XXL - WS07021



TREEWOR UC *(comfort)*

S - WS07049; M/L - WS07050; XL - WS07051

Professional work positioning seat harness for tree care equipped with:

- **flexible ventral attachment point with replaceable bridge** (for works in hanging position, ex. descend or ascend)
- **additional ventral attachment point** (for works in hanging position, ex. descend or ascend) - enable to easy attach chest harness TREEWOR TOP
- **comfortable positioning belt with side profiled (bent-away) anchorage points** (to use with positioning lanyard)
- **very wide leg straps** for a comfortable working position during suspension
- adjustments of leg straps and positioning belt
- **duraluminium automatic buckles** on thighs
- version with **thick belt and leg loops**

EN 358
EN 813

- version with **light belt and leg loops**

TREEWOR U

S - WS07039; M/L - WS07040; XXL - WS07041



TREEWOR TOP

WS07060G - M/L, WS07061G - XL

Chest harness for connection with TREEWOR U - enable to transform the seat harnesses into full body fall arrest harnesses, equipped with:

- **top front anchorage point** (energy absorber, fall arrest system)
- **back anchorage point** (energy absorber, fall arrest system)
- adjustment of shoulder straps and location of back anchorage point
- connector

EN 361

version with shoulder strap padding - TREEWOR TOP PAD
catalog number - WS07070G



REPLACEABLE BRIDGE for all TREEWOR harnesses :

WEBBING

25cm - WS07125
30cm - WS07130
35cm - WS07135

ROPE (POLE)

25cm - WS07225
30cm - WS07230
35cm - WS07235



Harnesses are also available on request in other configurations with different belts, elastic/static webbings, automatic/standard buckles

PRUS



Prusik ropes with increased resistance to higher temperatures and abrasion (braided with aramid fibers). 9mm diameter
EN 354, EN 566, EN 795

75 cm - WL023075
80 cm - WL023080
100 cm - WL023100
*other lengths available on request

PRUS O



Prusik ropes with increased resistance to higher temperatures and abrasion (braided with aramid fibers). 9mm diameter
EN 354, EN 566, EN 795

40 cm - WL024040
50 cm - WL024050
60 cm - WL024080
*other lengths available on request

RING S ARB



Safety rope terminated on both sides with a small eye and a special heat shrink sleeve.
EN 354; EN 795

WL641230 - 3m
WL641235 - 3,5m
WL641240 - 4m
WL641250 - 5m

MANREG-2 PLUS

RS25 + ZICK24



Professional positioning lanyard with duraluminium mechanism and **aluminium** connectors - on adjustment device connector with triplelock

2m- WL05420
3m- WL05430
4m- WL05440
2m with rope cover- WL05421
3m with rope cover- WL05431
4m with rope cover- WL05441

MANREG



Positioning lanyard with length adjustment mechanism - allows use under a load (ex. to walk on sloping roof or trees). Equipped with connectors RS21 (automatic) and CS20.
EN 358

WL000150 - 15m
WL000200 - 20m
WL000300 - 30m
WL000400 - 40m

TREE PROTECT



Sleeve protect tree bark against abrasions. It's made of two webbings sewed together. Due to better placing on tree bark and absorbing energy of rope friction bottom webbing is thicker. Made with 25-cm graduations for cutting. For hollow braids 2-4T (50 mm) and 7-8T (75 mm)

width - length - catalog no
50 mm - 15 m - WO125015
50 mm - 20 m - WO125020
75 mm - 15 m - WO127515
75 mm - 20 m - WO127520

TAPES FOR SAWS

ST1



tool hitch with two eyelets

length:
1m -SP820010
1,2m-SP820012
1,4m-SP820014

ST2



tool hitch with two eyelets and ring

length:
1m -SP830010
1,2m-SP830012
1,4m-SP830014

ST3



elastic tool hitch with two eyelets and ring

length:
1m -SP840010
1,2m-SP840012
1,4m-SP840014

Throw weight



made of very strong material (coated on the inside)
weight - catalog no.
250g-WO10025
300g-WO10030
350g-WO10035

Throw line



Line for darts and rope installation with Dyneema
dia. 2mm
60m long
WL070260

TREE RING



anchor strap - Friction Saver
22kN
length - catalog no.
1m -WL12310
1,2m-WL12312
1,4m-WL12314
2m - WL12320

INTER-PAD



Shoulder strap padding – increases the usage comfort by decreasing the shoulder webbing pressure.

catalog no. WS03020

BENCH



Wide seat (bench) for a comfortable working position during long suspension. Equipped with adjustment of straps length, Attachment points to hang up tools etc.

WO020006

EMERGENCY WEBBING



Rescue webbing is used as point of support in a situation when the injured person after falling off can not make evacuation himself and have to wait for rescue. After expanding allows you to move weight on the leg.

catalog no. -WO40002

TOOL BAGS



INTER HOLD
with tool loops inside
SP 00052



INTER BAG
with tool loops inside
SP 00062

TOOL HITCH



Rope hitch for tools mounted on the wrist.

catalogue no. SP810001

TOOL CARABINER



Tool carabiner mounted on the belt of harness to suspend additional equipment.

catalogue no. SP820010

LOOP



Loop with adjustable length to ascend on rope. Adjustable in length from 110 to 190 cm.

POIGNE



WO16001 - right
WO16002 - left

Equipment for climbing on rope and pulling the rope with heavy

PULLEYS

B01



WO01001
aluminium
opened
25kN
diameter 28mm
for ropes
10,5-12mm

B02



WO01002
aluminium
opened
30kN
diameter 50mm
for ropes
14-16mm

B03



WO01003
aluminium
opened
30kN
diameter 28mm
for ropes
10,5-12mm

B12



WO01012
double
aluminium
opened
25kN
diameter 28mm
for ropes
10,5-12mm

B21



WO01021
tandem
aluminium
24kN
diameter 22mm
for ropes
10,5-12mm

MICRO TRAXION



WO01040
Pulley with
automatic blockade
(rope moving only in
one way) maximum
load on one side
2,5kN
for ropes 8-11mm

SWIVEL



WO02100
aluminium swivel
30kN
width 55mm
length 100mm

POSITIONING BELTS

EN 358

TOP 1

WS04010



Light and ergonomic positioning belt.
EN 358

TOP 2

WS04020



Wide and ergonomic positioning belt.
EN 358

ERGO 3

WS05030



Wide positioning belt with standard or automatic buckle.
EN 358

ERGO 4

WS05040

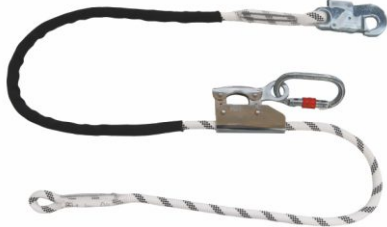


Wide positioning belt with automatic duraluminium buckle.
EN 358

POSITIONING LANYARDS

EN 358

TEMREG



Positioning lanyard (available also 3-strand) equipped with connectors

2m- WL00120
3m- WL00130
4m- WL00140
2m with rope cover - WL00121
3m with rope cover - WL00131
4m with rope cover - WL00141

POLEREG



Positioning lanyard with adjustment and safety lanyard (EN 354 - up to 2m)

EN 358
2m-WL00220/2CS20

MANREG



Professional positioning lanyard, equipped with connectors

2m- WL00020
3m- WL00030
4m- WL00040
2m with rope cover -WL00021
3m with rope cover -WL00031
4m with rope cover -WL00041

MANREG-2



Professional positioning lanyard with duraluminium mechanism, equipped with rope cover and connectors

2m- WL05021
3m- WL05031
4m- WL05041

MANREG PLUS



Professional positioning lanyard with adjustment mechanism, equipped with rope cover and aluminium connectors

2m - WL00022
3m - WL00032
4m - WL00042

MANREG-2 PLUS



Professional positioning lanyard with duraluminium mechanism, equipped with rope cover and aluminium connectors

2m- WL05221
3m- WL05231
4m- WL05241

SMARTRUN

Movable fall arrest device: can be installed and removed at any point of rope, equipped with mode switch manual / automatic (for going down), protection against reverse installing on the line,
 - available also with micro energy absorber and connector RS21
 EN 353-2
 10-11mm - WP001200
 12-14mm - WP001400
 10-11mm with microabs. - WP001201
 12-14mm with microabs. - WP001401

SMARTROCK

Movable fall arrest device. Can be installed and removed at any point of rope, equipped with position blockade. Very light and easy in use. Made of aluminum. Doesn't need a energy absorber. Meets with EN 353-2, EN 358, EN 12841
 For ropes 10,5- 12mm; catalog no. - WP000900

In addition, you can equip your device with an extension:
 - SMARTROCKABSORBER length 15cm - WL00502
 - SMARTROCKABSORBER length 40cm - WL00504
 - without absorber - SMARTROCK RING 15cm
 - SET - SMARTROCKABSORBER 15cm
 + 2xZICK 22 (without device) - WP000903
 - SET WITH DEVICE SMARTROCK- WP000902

ROPES

EN 1891
 for fall arresters EN 353-2
 rope anchorage points EN 795

10,5mm

10m- WL501010
 15m- WL501015
 20m- WL501020
 25m- WL501025
 30m- WL501030
 35m- WL501035
 40m- WL501040

11mm

10m- WL501110
 15m- WL501115
 20m- WL501120
 25m- WL501125
 30m- WL501130
 35m- WL501135
 40m- WL501140

12mm

10m- WL501210
 15m- WL501215
 20m- WL501220
 25m- WL501225
 30m- WL501230
 35m- WL501235
 40m- WL501240



other dimnsions and types of ropes available on request
 bags for ropes - p.28

SMARTGO

Movable fall arrester connected with rope equipped with micro energy absorber and connector.
 EN 353-2

Set with rope
 length - catalogue no.
 10m - WP001210
 15m - WP001215
 20m - WP001220
 30m - WP001230

SMARTLOCK

Compact, versatile rope clamp.
 Made of aluminum and very light.
 EN 567

WP20010 - right
 WP20011 - left

PANTIN

Foot ascender - right and left (it's not for fall protection)
 Two versions: for right and left leg

SMARTSTOP

Retractable fall arrester with webbing, energy absorber and connectors. Very small, durable and light cover made of plastic.

EN 360

2,5m - WP 010025
 2,75m - WP 010027

ROPE COVER

Cover worn on the rope (protective sleeve) - as a replaceable part for positioning lanyards or protection for fall protection ropes. Prevents abrasion of rope. Made of PVC and fastened with Velcro

length - catalogue no
 80cm - SP610080
 100cm - SP610100
 150cm - SP610150

SMARTBLOCK T

Retractable fall arrester with webbing and connectors. Small, durable and light cover made of plastic.
 EN 360

3,5m - WP 020035
 6 m - WP 020060

Other lengths available on request

SMARTBLOCK LS

Retractable fall arrester with steel rope and connectors. Durable and light cover made of plastic.
 EN 360

6m - WP001006
 10 m - WP001010
 15 m - WP001015

Other lengths available on request

SAFETY LANYARDS WITH ENERGY ABSORBERS

EN 355

Lanyards and webbings are available with different connectors from next page

AMORT

Safety lanyard with energy absorber (also available 3-strand)

1,5m- WL00515
2,0m- WL00520



AMORT DUO

Double safety lanyard with energy absorber (also available 3-strand)

2x1,5m- WL00615
2x2,0m- WL00620



AMORT REG

Safety lanyard with energy absorber and adjustment (also available 3-strand)

2,0m- WL00521



AMORT DUO REG

Double safety lanyard with energy absorber and adjustment (also available 3-strand)

2x2,0m- WL00621



SAFETY WEBBINGS WITH ENERGY ABSORBERS

EN 355

HAKON S

Safety webbing with energy absorber

1,0m- WL02112
1,5m- WL02115
2,0m- WL02120



HAKON

Double safety webbing with energy absorber

2x1,2m- WL02212
2x1,5m- WL02215
2x2,0m- WL02220



HAKON NS

Elastic safety webbing with energy absorber

2m- WL04020



HAKON N

Elastic double safety webbing with energy absorber

2x2m- WL04022



AMORT S

Energy absorber
EN 355
WL00500



Energy absorber
EN 355
WL00501



CONNECTORS

EN 362



CS20



WK00020
steel
screw gate
opening 18mm
weight: 170g

CS21



WK00021
duraluminium
oval
screw gate
opening 18mm
weight 80g

CS22



WK00022
duraluminium
screw gate
opening 22mm
weight: 80g

CS24



WK00024
duraluminium
screw gate
rotating
opening 24mm
weight: 180g

CS60



WK00060
duraluminium
automatic
blockade
opening 60mm
weight: 360g

CS90



WK00090
duraluminium
automatic
blockade
opening 90mm
weight 490g

CS110



WK00110
duraluminium
automatic
blockade
opening 110mm
weight 910g

ZICK 20



WK00320
steel
"Twist lock"
opening 18mm
weight 170g

ZICK 21



WK00320
duraluminium
oval
"Twist lock"
opening 18mm
weight 80g

ZICK 22



WK00322
duraluminium
"Twist lock"
opening 22mm
weight 80g

ZICK 24



WK00324
duraluminium
"Triple lock"
opening 24mm
weight 85g

ZICK 30



WK00330
steel
"Twist lock"
opening 30mm
resistance:
35kN

RS19



WK00119
duraluminium
screw gate
opening 20mm
weight: 190g

RS20



WK00120
duraluminium
automatic
blockade
opening 21mm
weight 150g

RS21



WK00121
steel
automatic
blockade
opening 18mm
weight 200g

RS24



WK00124
duraluminium
"Twist lock"
rotating
opening 24mm
weight 180g

RS25



WK00125
duraluminium
z podwójną
blokadą
automatyczną,
otwarcie 25mm
waga: 120g

RS59



WK00159
duraluminium
automatic
blockade
opening 65mm
weight 490g

RS60



WK00160
steel
automatic
blockade
opening 60mm
weight 500g

RS90



WK00190
steel
automatic
blockade
opening 90mm
weight 850g

DS - 5



Evacuation kit consisting of a descender, rope, 2 slings, 3 carabiners, knife and bag. Simple and small evacuation device with anti-panic braking system. Speed is regulated by a small lever. Permissible working load: according to EN 341 = 180 kg according to EN 12841 = 225 kg
EN 341A; EN 12841C; EN 358

Catalog number:
WO2051XX - this is the XX length of the rope

DS - 10



The evacuation kit consists of a descender, a rope, 2 slings, 3 carabiners, a knife and a bag. Emergency escape device with anti-panic braking system. Speed is regulated by a large fold-out lever. Maximum working load - 300 kg (allows two people to descend at the same time - e.g. a rescuer descends with an injured person).

EN 341B and EN 12841C
Catalog number:
WO2101XX - this is the XX length of the rope

DS - 20



Evacuation kit consisting of a descender, rope, 2 slings, 3 carabiners, knife and bag. Simple and convenient I'D evacuation device with anti-panic braking system and AUTO LOCK locking system. The speed is regulated by a lever. Permissible working load 150-250 kg
EN 341A; EN 12841C;

Catalog number:
WO2201XX - this is the XX length of the rope

DS - 40



Emergency kit consisting of a descender, rope, 1 sling, 3 carabiners, knife and bag. Equipped with an automatic device for quick evacuation from a height with a winch function. Descent at a constant speed of up to 1.5 m/s in "swing" mode (alternating on each side). Minimum rope length = 20m. EN 341. Maximum user weight: 140 kg

Catalog number:
WO2401XX - this is the XX length of the rope
WO240120 - set with a 20m rope

EIGHTS



WO010030
30 kN

DS - 7



Evacuation kit consisting of a descender, rope, 2 slings, 3 carabiners, knife and bag. Simple and convenient RIG evacuation device with AUTO LOCK locking system. The speed is regulated by a lever. Permissible working load 150-250 kg.
EN 341A; EN 12841C

Catalog number:
WO2071XX - this is the XX length of the rope

DS - 15



Evacuation kit consisting of a descender, rope, 2 slings, 3 carabiners, knife and bag. Simple and convenient evacuation device with anti-panic braking system and position lock. The speed is regulated by a lever. Permissible working load up to 200 kg
EN 341A; EN 12841C;

Catalog number:
WO2151XX - this is the XX length of the rope

DS - 30



Emergency kit consisting of a descender, rope, 1 sling, 3 carabiners, knife and bag. Equipped with an automatic device for quick evacuation from a height. Descent at a constant speed of up to 1.5 m/s in "swing" mode (alternating on each side). Minimum rope length = 20m. EN 341. Maximum user weight: 140 kg

Catalog number:
WO2301XX - this is the XX length of the rope
WO230120 - set with a 20m rope

DS - 50



Emergency kit consisting of a descender with a rope, 1 strap with a carabiner, knife and bag. Automatic device for rapid evacuation from a height. Descent at a constant speed of approx. 0.5 m / s. Steel rope finished with a carabiner. EN 341, EN 360

device - WO250118 - 18m
device - WO250130 - 30m

RESCUE TRIANGLE



Rescue triangle for evacuation people without safety harnesses

WO40000

SAFETY LANYARDS

Lanyards and webbings are available with different connectors (page 23)



POLE



Safety lanyard (available also 3-strand) EN 354

1,0m - WL00310
1,5m - WL00315
2,0m - WL00320

POLE N



Double safety lanyard (available also 3-strand) EN 354

2x1,0m- WL020410
2x1,5m- WL020415
2x2,0m- WL020420

RING S



Lanyard anchorage point EN 795

WL601205 - 5m
WL601210 - 10m
WL601215 - 15m
WL601220 - 20m

RING S REG



Adjustable lanyard anchorage point EN 795

WL611205 - 5m
WL611210 - 10m
WL611215 - 15m
WL611220 - 20m

RING ST



Steel lanyard anchorage point EN 795; 354 galvanised steel
1,0m- WL06010
1,5m- WL06015
2,0m- WL06020
stainless steel - inox
1,0m- WL06210
1,5m- WL06215
2,0m- WL06220

RING ST with reinforced cover



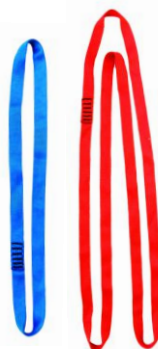
Steel lanyard anchorage point with reinforced cover EN 795; 354 galvanised steel
1,0m- WL06110
1,5m- WL06115
2,0m- WL06120
stainless steel - inox
1,0m- WL06310
1,5m- WL06315
2,0m- WL06320

RING



Webbing anchorage point EN 795 EN 354
0,6m- WL02006
0,8m- WL02008
1,0m- WL02010
1,2m- WL02012
1,5m- WL02015
2,0m- WL02020

RING O



Webbing anchorage point (tubular) EN 795 EN 354
0,6m- blue - WL22006
0,8m- red - WL22008
1,0m- orange - WL22010
1,2m- blue - WL22012
1,5m- red - WL22015
2,0m- orange - WL22020

RING P



Webbing anchorage point loop (without attachment eyelet) EN 795 EN 354
0,6m- WL02006
0,8m- WL02008
1,0m- WL02010
1,2m- WL02012
1,5m- WL02015
2,0m- WL02020

RING O with cover



Webbing anchorage point (tubular) with cover EN 795 EN 354
0,6m- blue - WL23006
0,8m- red - WL23008
1,0m- orange - WL23010
1,2m- blue - WL23012
1,5m- red - WL23015
2,0m- orange - WL23020

TYTAN



Steel anchorage point mounted to the fixed structure by pins, screws or anchors.
Enables to protect one person.

catalogue no. - WO71000

Screws and anchors for installation of permanent anchor points.
screw M12 x 40 -WO711240
Concrete anchor -WO711275



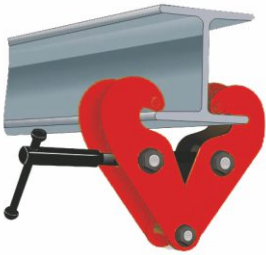
ROLLER



Trolley with anchorage point mounted to a I-beam.
Enables to protect one person.
Adjusted to I-beam width: 80-250mm

catalogue no.- WO72100

GRIP



Steel anchorage point mounted to a beam by clamp.
Enables to protect one person.
the maximum width of the handle / beam - 240mm

catalogue no. - WO72000

PROTECTOR



Aluminium anchorage point mounted to the fixed structure by pins, screws or anchors.
Enables to protect one person.

aluminium -WO73100
red -WO73200
black -WO73300

HERCULES



Steel anchorage point mounted to the fixed structure by pins, screws or anchors.
Enables to protect three persons

catalogue no. - WO74000

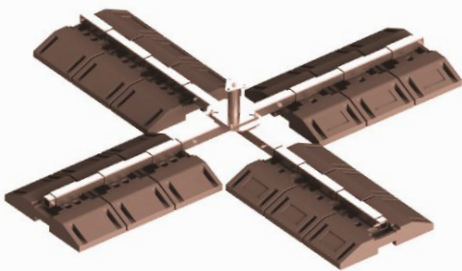
HORIZON



Adjustable lanyard anchorage point with tensioner

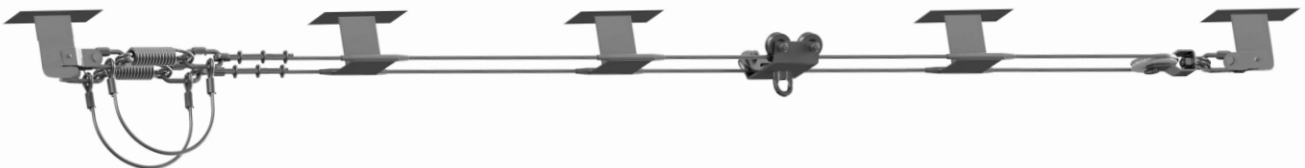
WL10410 - 10m
WL10420 - 20m

INTER ROCK



The portable anchorage point installed by debiting twelve weights weighing about 27 kg. Enables building a anchor point for fall arrest system from a height without the need for permanent mounting to the surface (no need to drill, etc.).
The unit should be placed on the roofs of adequate strength, angle (flat roofs or small honeydew) and to properly cling to the plane of the roof.
A single device can use maximum two persons.
Weight of the whole set: approximately 390 kg
The device in accordance with EN 795

INTER SAFE-NET



Permanent fall protection system consisting of a double steel rope at anchor points with trolley anchor point. Enables you to build anchor points for the fall arrest system. Thanks to the trolleys, the attachment point moves freely with the user. Up to three people can use the device at one time.

Device compliant with EN 795C

DIELECTRIC POLE



Dielectric pole made of fibre glass. Consist of five adjusted element by blockade on each height. Poles are available with different length.

8m - WI010080



Dielectric pole made of fibre glass, due to the latest material structure it is very lightweight. Consist of adjusted element by special blockade on each height. Poles are available with different length.

6m - WI020060

WORK HOOK KONEK

Opening 90 mm
Work hook insulated WI030901
Work hook no insulated WI030902

Also able options with connected rope for fall arrester

EN 795

WORK HOOK KONEK with rope

Hook opened by pulling the rope

opening 110mm WI040902

Hook with double locking mechanism. Also able options with connected rope for fallarrester

EN 795

HANGER HOOK

Hook for hang up work hook

with UDI ending
insulated hook WI000301
no insulated hook WI000302

screw
insulated hook WI000501
no insulated hook WI000502

POLE HEAD

Automatic Head (autoclamp) to use with rope installations, work hooks, hanger hooks and all equipment with automatic ending

WI000001

Also available extension automatic head (1 m long)

WI000102

ROPE HANGER

Rope hanger (safety pin) with automatic ending or screw. For rope installation to use fall arrester.

for automatic head
insulated WI050001
no insulated WI050002
screw
insulated WI050011
no insulated WI050012

TRANSPORT ROPE

Transport rope for pick up heavy equipment or for installation fall arrester rope.

10m - WL601010
20m - WL601020
30m - WL601030

WINCH

Tripod winch for work and rescue with 20 m steel rope. It enables the hauling of goods and the evacuation of people from the depth (e.g. manholes). The winch complies with EN 1496 maximum working load: 250 kg for materials and 135 kg for people.

TRIPOD

Safety tripod for work and rescue. The tripod is a temporary attachment point in accordance with EN 795B.

Adjustable height: from 120 cm to 210 cm
Diameter of the hole (a circle inscribed in a triangle): from 110 cm to 160 cm
weight 13 kg
maximum load: 500 kg
packed in a transport bag

INTER FIT

INTER PACK



Bag for harness and tools
 Equipped with:
 - opened with a **double zipper** (large opening definitely facilitates access to the equipment)
 - **handles** for carrying the bag and a shoulder strap
 - additional side handles for carrying the bag
 - **loops** for equipment and carabiners
 - made of PVC

dimensions, capacity and catalog number:
 30x35x65cm - 65l - SP00082



Bag for ropes transport and tools
 Equipped with:
 - hood protects against rain
 - side **zippered**
 - **reinforced bottom**
 - **handles** for pulling loads
 - **velcro pocket**
 - carabiners holsters
 - made of PVC

dimensions, capacity and catalog no.
 30x55cm - 30l - SP2603015
 32x65cm - 40l - SP2604015
 32x75cm - 50l - SP2605015



Round bag
 bicapsular
 size - cat. no.
 50l - SP2505025
 40l - SP2504025



Round bag
 size - cat. no.
 50l - SP2105025
 40l - SP2104025
 30l - SP2103025
 25l - SP2102525



Round bag
 waterproof
 size - cat. no.
 70l - SP2107015
 50l - SP2105015
 40l - SP2104015



Backpack
 size - cat. no.
 40l - SP2404012
 30l - SP2403012



Big backpack
 size - cat. no.
 60l - SP2406012
 50l - SP2405012

CLOTHES UNIVERS



polyester
 WU200010



**Protection jacket
 for painting**



Cotton (for summer)
 WU200011



**Work Jacket
 waterproof
 WU210004**



Work Trousers
 WU210006



**Work clothes
 two element
 WU21005**



**Undersuit
 Polar
 WU21000**



**Overalls
 WU210003**

We can make our cloths of GORE-TEX, NOMEX or other materials if requested

EN 50528

(Insulating ladders for use on or near low voltage electrical installations)

EN 131 - LADDERS

INTER MIX

ALUMINUM WITH TOP INSULATION ELEMENT

Characteristics of the ladder:

- Ladder consists of one or two aluminium elements and **one insulation element** with stiles made of fiberglass which provide insulation of **30kV** (insulation measured between two adjacent rungs - according to EN 61478 point 6.5 - electrical tests and EN 50528:2010 point 5.6 - electrical tests) - when used on or near electrical installations top element should be fully extended (only insulation element protect against electric arc)
- Mechanical construction (enable to replace parts in the event of damage)
- aluminium rungs screwed in all elements of the ladder
- Meets with EN 131

**INTER MIX
EXTENSION TWO ELEMENTS**



Ladder extended by hand

| | | | |
|------------------|---------|---------|---------|
| Type: | 2x2,5m | 2x3m | 2x3,5m |
| Catalog no.: | DA02025 | DA02030 | DA02035 |
| Maximum length: | 4,25m | 5,25m | 6,25m |
| Folded length: | 2,5m | 3m | 3,5m |
| Number of rungs: | 9+9 | 11+11 | 13+13 |
| weight: | 13kg | 16kg | 18kg |

Ladder extended by rope (with pulley system)

| | | | |
|------------------|---------|---------|---------|
| Type: | 2x3m | 2x3,5m | 2x4m |
| Catalog no.: | DA00230 | DA00235 | DA00240 |
| Maximum length: | 5,25m | 6,25m | 7,25m |
| Folded length: | 3m | 3,5m | 4m |
| Number of rungs: | 11+11 | 13+13 | 15+15 |
| weight: | 16kg | 19kg | 21kg |

**INTER MIX
EXTENSION THREE ELEMENTS**



Ladder extended by hand

| | | | |
|------------------|---------|----------|----------|
| Type: | 3x2,5m | 3x3m | 3x3,5m |
| Catalog no.: | DA03025 | DA03030 | DA03035 |
| Maximum length: | 6m | 7,5m | 9m |
| Folded length: | 2,5m | 3m | 3,5m |
| Number of rungs: | 9+9+9 | 11+11+11 | 13+13+13 |
| weight: | 19kg | 23kg | 27kg |

Ladder extended by rope (with pulley system)

| | | | |
|------------------|----------|----------|----------|
| Type: | 3x3m | 3x3,5m | 3x4m |
| Catalog no.: | DA00330 | DA00335 | DA00340 |
| Maximum length: | 7,5m | 9m | 10,5m |
| Folded length: | 3m | 3,5m | 4m |
| Number of rungs: | 11+11+11 | 13+13+13 | 15+15+15 |
| weight: | 24kg | 28kg | 31kg |

Above dimensions are approximate and may change - ladders are available on request in various configurations

INTER MIX

ALUMINUM WITH TOP INSULATION ELEMENT

INTER MIX

MULTIFUNCTIONAL - THREE ELEMENTS

Ladder extended by hand



Step ladders can be used as a:

- **extensional ladders** (eg. at the pole or at the wall of the building - in the "I" position)
- or
- **step ladders** (as a freestanding in position or

| | | | |
|--------------------------------------|---------|---------|---------|
| Type: | 3x1,5m | 3x1,7m | 3x2m |
| Catalog no.: | DKA0315 | DKA0317 | DKA0320 |
| Maximum length extended: | 3m | 3,7m | 4,5m |
| Maximum length step ladder 2 parts - | 1,4m | 1,6m | 1,8m |
| Maximum length step ladder 3 parts - | 2m | 2,4m | 2,8m |
| Folded length: | 1,5m | 1,7m | 2m |
| Number of rungs: | 5+5+5 | 6+6+6 | 7+7+7 |
| weight: | 12kg | 14kg | 16kg |

| | | |
|--------------------------------------|---------|----------|
| Type: | 3x2,5m | 3x3m |
| Catalog no.: | DKA0325 | DKA0330 |
| Maximum length extended: | 6m | 7,5m |
| Maximum length step ladder 2 parts - | 2,2m | 2,7m |
| Maximum length step ladder 3 parts - | 3,7m | 4,6m |
| Folded length: | 2,5m | 3m |
| Number of rungs: | 9+9+9 | 11+11+11 |
| weight: | 19kg | 23kg |

INTER MIX PRO

EXTENSION THREE ELEMENTS

with fall protection set

Fall protection ladders INTER® are equipped with optional elements which helps in using and protecting against fall from a height. With anchorage step it's easy to provide fall protection during work on ladder. Thanks to sides anchorage points worker is able to stabilize the ladder in many different ways with additional ropes (also in work on wall or other construction). Fall protection ladder is equipped with anchorage step, rope clamps, ropes set and fall protection set.

Characteristics of the ladder:

- Ladder consists of **three extensional elements - two aluminium elements and one insulation element** with stiles made of fiberglass which provide insulation of **30kV** (insulation measured between two adjacent rungs - according to EN 61478 point 6.5 - electrical tests) - when used on or near electrical installations top element should be fully extended (only insulation element protect against electric arc)
- **Pulley system** for easy extending ladder (top element is extended manually and second element is extended by rope)
- **Mechanical construction** (enable to replace parts in the event of damage)
- aluminium rungs screwed in all elements of the ladder
- **ANCHORAGE STEP** enable to easy protect the worker from falling from height when he is working on the ladder. Anchorage steps is a three-point construction mounted on the top of the ladder. It's used for ladder stabilization and in creating a fall protection system.
- **FALL ARREST SET** for ladders (rope, SMART ROCK, connectors, tool bag).
- **ROPE CLAMPS** to stabilise ladder by connecting ladder with construction by rope in very easy and comfortable way.
- Meets with EN 131 and EN 353-2 (fall protection set)
- **WALL ROLLS**- Rolls mounted on the top of ladder used for easy unfold the ladder and to protect the building elevation.
- **POLE ROLLS** - Rolls mounted on the top of ladder used for easy unfold the ladder on poles. It is mounted with anchorage step (price include the anchorage step device).
- **WIDE STABILISING BASE** - Wide base stabilising the ladder

| | | | |
|------------------|----------|----------|----------|
| Type: | 3x3m | 3x3,5m | 3x4m |
| Catalog no.: | DPA00330 | DPA00335 | DPA00340 |
| Maximum length: | 7,3m | 8,9m | 10,2m |
| Folded length: | 3,1m | 3,6m | 4,1m |
| Number of rungs: | 11+11+11 | 13+13+13 | 15+15+15 |
| weight: | 26kg | 32kg | 37kg |

Above dimensions are approximate and may change - ladders are available on request in various configurations

INSULATING LADDERS 30 kV

EN 131 - Ladders

EN 50528 - Insulating ladders for use on
or near low voltage electrical installations



Characteristics of the ladders

- consists of **insulation elements** with stiles made of fiberglass which provide insulation of **30kV** (insulation measured between two adjacent rungs - according to EN 61478 point 6.5 - electrical tests and EN 50528 point 5.6 - electrical tests)
- **Mechanical construction** (enable to replace parts in the event of damage)
- aluminium rungs screwed in all elements of the ladder



ONE ELEMENT

| | | | | |
|------------------|--------|--------|--------|--------|
| Type: | 2,5m | 3m | 3,5m | 4m |
| Catalog no.: | D00025 | D00030 | D00035 | D00040 |
| Maximum length: | 2,5m | 3m | 3,5m | 4m |
| Folded length: | 2,5m | 3m | 3,5m | 4m |
| Number of rungs: | 9 | 11 | 13 | 15 |
| weight: | 7kg | 8kg | 9kg | 10kg |

EXTENSION TWO ELEMENTS

Ladder extended by hand

| | | | |
|------------------|--------|--------|--------|
| Type: | 2x2,5m | 2x3m | 2x3,5m |
| Catalog no.: | D02025 | D02030 | D02035 |
| Maximum length: | 4,25m | 5,25m | 6,25m |
| Folded length: | 2,5m | 3m | 3,5m |
| Number of rungs: | 9+9 | 11+11 | 13+13 |
| weight: | 17kg | 20kg | 24kg |

Ladder extended by rope (with pulley system)

| | | | | |
|------------------|--------|--------|--------|--------|
| Type: | 2x3m | 2x3,5m | 2x4m | 2x5m |
| Catalog no.: | D00230 | D00235 | D00240 | D00250 |
| Maximum length: | 5,25m | 6,25m | 7,25m | 9,25m |
| Folded length: | 3m | 3,5m | 4m | 5m |
| Number of rungs: | 11+11 | 13+13 | 15+15 | 19+19 |
| weight: | 21kg | 25kg | 28kg | 34kg |

EXTENSION THREE ELEMENTS

Ladder extended by hand

| | | | |
|------------------|--------|----------|----------|
| Type: | 3x2,5m | 3x3m | 3x3,5m |
| Catalog no.: | D03025 | D03030 | D03035 |
| Maximum length: | 6m | 7,5m | 9m |
| Folded length: | 2,5m | 3m | 3,5m |
| Number of rungs: | 9+9+9 | 11+11+11 | 13+13+13 |
| weight: | 26kg | 30kg | 34kg |

Ladder extended by rope (with pulley system)

| | | | |
|------------------|----------|----------|----------|
| Type: | 3x3m | 3x3,5m | 3x4m |
| Catalog no.: | D00330 | D00335 | D00340 |
| Maximum length: | 7,5m | 9m | 10,5m |
| Folded length: | 3m | 3,5m | 4m |
| Number of rungs: | 11+11+11 | 13+13+13 | 15+15+15 |
| weight: | 31kg | 35kg | 39kg |

Dimensions are approximate and may change - ladders are available on request in various configurations

MULTIFUNCTIONAL TWO ELEMENTS



| | | | |
|-----------------------------------------------|--------|--------|--------|
| Type: | 2x1,5m | 2x1,7m | 2x2m |
| Catalog no.: | DK0215 | DK0217 | DK0220 |
| Maximum length extended: | 2,25m | 2,75m | 3,25m |
| Maximum length step ladder 2 parts - \wedge | 1,4m | 1,6m | 1,8m |
| Folded length: | 1,5m | 1,7m | 2m |
| Number of rungs: | 5+5 | 6+6 | 7+7 |
| weight: | 10kg | 11kg | 12kg |

| | | |
|-----------------------------------------------|--------|--------|
| Type: | 2x2,5m | 2x3m |
| Catalog no.: | DK0225 | DK0230 |
| Maximum length extended: | 4,25m | 5,25m |
| Maximum length step ladder 2 parts - \wedge | 2,2m | 2,7m |
| Folded length: | 2,5m | 3m |
| Number of rungs: | 9+9 | 11+11 |
| weight: | 15kg | 18kg |

MULTIFUNCTIONAL THREE ELEMENTS



| | | | |
|-----------------------------------------------|--------|--------|--------|
| Type: | 3x1,5m | 3x1,7m | 3x2m |
| Catalog no.: | DK0315 | DK0317 | DK0320 |
| Maximum length extended: | 3m | 3,7m | 4,5m |
| Maximum length step ladder 2 parts - \wedge | 1,4m | 1,6m | 1,8m |
| Maximum length step ladder 3 parts - \wedge | 2m | 2,4m | 2,8m |
| Folded length: | 1,5m | 1,7m | 2m |
| Number of rungs: | 5+5+5 | 6+6+6 | 7+7+7 |
| weight: | 14kg | 16kg | 18kg |

| | | |
|-----------------------------------------------|--------|----------|
| Type: | 3x2,5m | 3x3m |
| Catalog no.: | DK0325 | DK0330 |
| Maximum length extended: | 6m | 7,5m |
| Maximum length step ladder 2 parts - \wedge | 2,2m | 2,7m |
| Maximum length step ladder 3 parts - \wedge | 3,7m | 4,6m |
| Folded length: | 2,5m | 3m |
| Number of rungs: | 9+9+9 | 11+11+11 |
| weight: | 23kg | 28kg |

Step ladders can be used as a:
- extensional ladders (eg. at the pole or at the wall of the building - in the " \wedge " position)
or
- step ladders (as a freestanding in position \wedge or \wedge)

TRANSOR

2 x 4 m - DT00240

2 x 3,5m - DT00235



TRANSOR® was created to enable the worker to protect against fall down in workplace on ladder and outside when possibilities to create appropriate anchorage point are limited.

Is used in places where is possibility to lay down the ladder, ex. transform stations, poles, buildings (walls and roofs), etc. By rope clamps and integrated supports is stabilized and there is no possibility to turn over the system.

TRANSOR consists of:

- two elements extensional ladder made of fiberglass and with aluminum steps,
- two telescopic supports connected with the ladder
- fall protection system (rope clamps, anchorage step, retractable fall protection device)
- due to pulley system it is very easy to extend and use the system

Thanks to the TRANSOR worker is protected from falling all the time (from the ground to come to the work place), and at the same time is very easy to use and requires no permanent installation on any additional elements on the construction of the device (like transformer).

Above dimensions are approximate and may change - ladders are available on request in various configurations

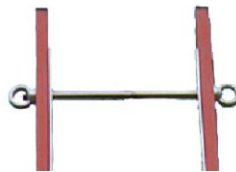
FALL ARREST SET



Fall arrest set for ladders (rope, SMART-RUN, connectors, tool bag). Created for INTER® ladders with anchorage step.

catalogue no.: DO0005

ANCHORAGE STEP



With anchorage step you can easily protect the worker from falling from height when he is working on the ladder.

Anchorage step is a three-point construction mounted on the top of the ladder. It's used for ladder stabilization and in creating a fall protection system.

catalogue no.: DO0001

FOOTSTEP



Platform installed on steps for comfortable work on ladder

catalogue no.: DO0002

WALL ROLLS



Rolls mounted on the top of ladder used for easy unfold the ladder and to protect the building elevation.

catalogue no.: DO0006

ROPE CLAMP



Clamps for rope to stabilise ladder by connecting ladder with construction by rope in very easy and comfortable way.

catalogue no.: DO0003

POLE ROLLS



Rolls mounted on the top of ladder used for easy unfold the ladder on poles. It is mounted with anchorage step (price include the anchorage step device).

catalogue no.: DO0016

NEST



NEST is an stabilizing and fall protection platform (work place) on top of the ladders

catalogue no.: DO0007

WIDE STABILISING BASE



Wide base stabilising the ladder (especially useful with step ladder)

catalogue no.: DO0004

HIGHT

ALUMINIUM LADDER with last element insulated

a ladder designed to climb on high points

3 x 5,5 m - DA 0355 up to 12,8m
3 x 6,0 m - DA 0360 up to 14,6m
3 x 6,5 m - DA 0365 up to 15,8m

with double pulley system



ALUMINIUM WIDE STABILISING BASE

Aluminium wide base stabilising the ladder (especially useful with step ladder) - for INTER MIX ladders

nr katalogowy - DO0014



SUPPORTS MPS TYPE

Independent telescopic supports MPS type. Supports can be fitted in front of INTER® ladders to work in independent position (like MPS ladder system). Independent supports are used in difficult situation when we cannot lay down the ladder on any stabilised element (because of fragile elevation, damaged pole, sensitive device etc.) MPS® supports can be used with any INTER® insulated ladder.

catalogue no.: DS00330



TRANSOR SUPPORTS

Two telescopic supports TRANSOR type are permanently attached to the ladder (can be assembled and replaced only by the manufacturer).

It is used for ladder stabilisation - with anchorage step, rope clamps and fall protection can enable user to protect against fall down.

catalogue no.: DS00230





Ladder platform equipped with foldable trolley that allows the platform to move along the rail tracks and stabilize the platform by fixing it to the tracks. Enable using the ladder without putting ladder on any construction and at the same time let the worker safety work with fall protection system as well.

MPS ladder platform consists of:

- two or three elements extensional ladder made of fiberglass and with aluminum steps,
- two independent telescopic supports (not connected with the ladder)
- fall protection system (rope clamps, anchorage step, fall protection device, ropes)
- foldable trolley that allows the platform to move along the rail tracks

MPS ROLL is used in situations like:

- there is no possibility to get to the workplace with aerial platform
- with electrical connections when it is forbidden to put ladder on the wall
- with electrical devices when it is too sensitive to put ladder on it
- with damaged poles when it isn't strong enough to use ladder on it

2 x 3,0 m - DMR00230

2 x 3,5 m - DMR00235

2 x 4,0 m - DMR00240

PRO-NEST



2 x 2m - DN10220

2 x 2,5m - DN10225

2 x 3m - DN10230

2 x 3,5m - DN10235

2 x 4m - DN10240

2 x 5m - DN10250

2 x 6m - DN10260

2 x 2m - DN20220

2 x 2,5m - DN20225

2 x 3m - DN20230

2 x 3,5m - DN20235

2 x 4m - DN20240

2 x 5m - DN20250

2 x 6m - DN20260

PRO-NEST® was created to enable the worker to protect against fall down on roofs when possibilities to create appropriate anchorage point are limited. Thanks to construction and stabilising base on top of the element it is very well supported on building roof. Anchorage step enable to protect worker against fall down for all working time.

PRO-NEST consists of:

- two elements extensional ladder made of fiberglass and with aluminum steps,
- two telescopic supports connected with the ladder
- fall protection system (rope clamps, anchorage step, retractable fall protection device)
- stabilising safety base and footstep on top of the element
- due to pulley system it is very easy to extend and use the system

Additional elements (for order)

Available is also crane arm to pull up heavy items (ex. Tolls, building materials, etc.)



2 x 2,5m - DN30225

2 x 3m - DN30230

2 x 3,5m - DN30235

2 x 4m - DN40240

2 x 5m - DN40250

2 x 6m - DN40260

LADDER PLATFORMS MPS



MPS® ladder platform

Ladder platform MPS was made to enable using the ladder in difficult terrain without putting ladder on any construction and at the same time let the worker safety work with fall protection system as well.

MPS ladder platform consists of:

- two or three elements extensional ladder made of fiberglass and with aluminum steps,
- two independent telescopic supports (not connected with the ladder)
- fall protection system (rope clamps, anchorage step, fall protection device, ropes)
- due to pulley system it is very easy to extend and use the system

MPS ladder platform is used in situations like:

- there is no possibility to get to the workplace with aerial platform
- with electrical connections when it is forbidden to put ladder on the wall
- with electrical devices when it is too sensitive to put ladder on it
- with damaged poles when it isn't strong enough to use ladder on it



3 x 3,0 m - DM00330
3 x 3,5 m - DM00335

2 x 3,0 m - DM00230
2 x 3,5 m - DM00235
2 x 4,0 m - DM00240
2 x 5,0 m - DM00250

MPS PLATFORM



MPS PLATFORM was made to enable using the ladder in difficult terrain without putting ladder on any construction and at the same time let the worker safety work with fall protection system as well.

Furthermore MPS PLATFORM can be used also to enable the worker to protect against fall down in workplace on ladder and outside when possibilities to create appropriate anchorage point are limited.

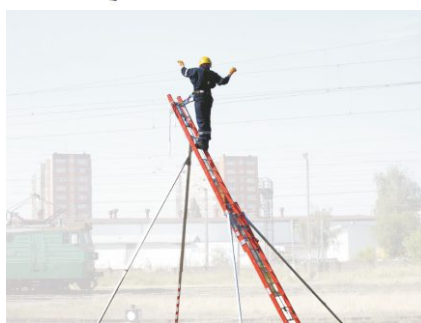
Can be used supported by construction of the building or electrical devices (like TRANSOR) to protect against fall down by anchorage step on workplace as well.



MPS PLATOFRM consists of:

- two or three elements extensional ladder made of fiberglass and with aluminum steps,
- two telescopic supports connected with the ladder
- two independent telescopic supports (not connected with the ladder)
- fall protection system (rope clamps, anchorage step, retractable fall protection device, ropes)
- due to pulley system it is very easy to extend and use the system

MPS PLATFORM is used in situations when (there is no possibility to get to the workplace with aerial platform, with electrical connections when it is forbidden to put ladder on the wall, with electrical devices when it is too sensitive to put ladder on it, with damaged poles when it isn't strong enough to use ladder on it, etc.



3 x 3,5 m - DM20335
3 x 4,0 m - DM20340

2 x 3,5 m - DM20235
2 x 4,0 m - DM20240
2 x 5,0 m - DM20250
2 x 6,0 m - DM20260

HOOKS

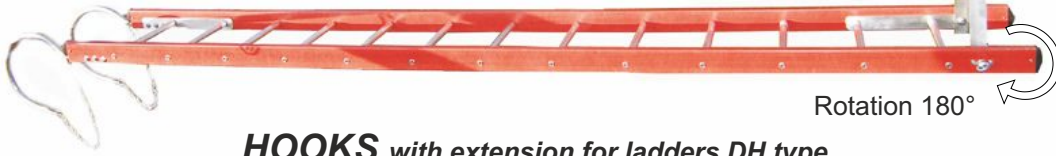
Swivel hook 360°



HOOKS HORIZONTAL

- 2 m. - DH 00020
- 3 m. - DH 00030
- 4 m. - DH 00040

Different types of hooks available

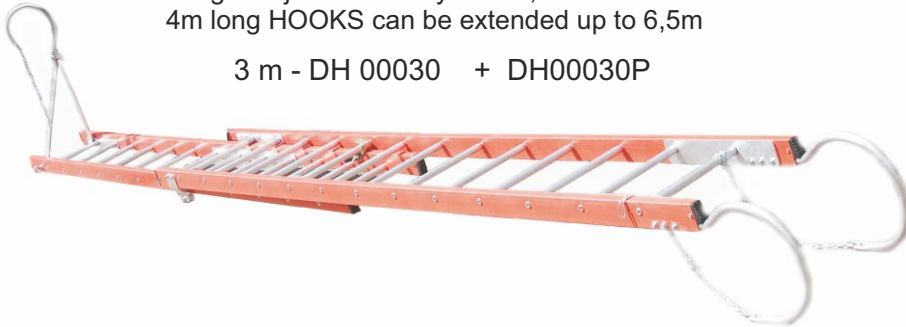


Rotation 180°

HOOKS with extension for ladders DH type

Length adjustable every 25 cm,
4m long HOOKS can be extended up to 6,5m

3 m - DH 00030 + DH00030P



HOOKS VERTICAL

- 2,0 m - DH10020
- 2,5 m - DH10025
- 3,0 m - DH10030
- 3,5 m - DH10035
- 4,0 m - DH10040



- Insulated profiles are made of fibreglass what ensure high strength (safe working load as EN 131 - 150kg)
- Steps are made of aluminum with non-slip surface are connected by mechanical construction (bolted), which ensures stability of the product and allows for replacement of damaged parts - the average life time of ladders is 10 years
- Swivel hook at the end of the horizontal HOOKS enable work horizontally and can be disassembled so it can work also in vertical position; in the ladder with extension it is possible to connect swivel hook for the basic element (can be used as a one-element ladder and a two-element as well)
- Other lengths available on request
- The weight of one piece 3m - from 12kg



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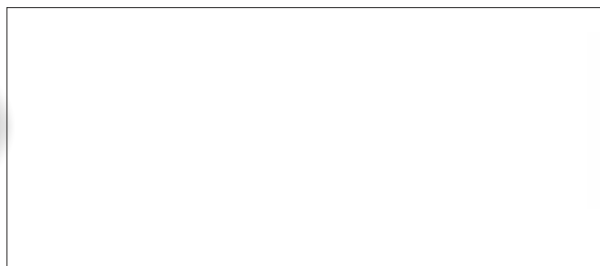
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