



# Presentation TRACTEL™

# Introduction



# MISSION, VISION AND VALUES

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## Mission

To be a world leader Safety specialist, by providing reliable, innovative and cost effective Working-at-Height solutions and services.

## Vision

To be a truly customer-focused and innovative organization.

## Values

- **Safety** is paramount in everything we do;
- The **Interests of our Customers** are at the forefront of our mind;
- We focus on the **Reliability** of all the products and solutions we deploy;
- We value **Entrepreneurship and Innovation**;
- We are **focused**, we value **team work**, we act with **transparency**, and we are **accountable** for the projects under our responsibility.



# STRONG BRANDS

## HERITAGE AND INNOVATION

Strong brands built on:

### Excellence in Engineering and Manufacturing

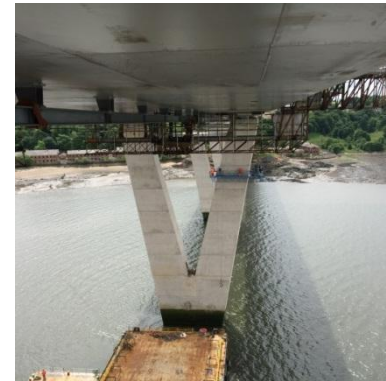
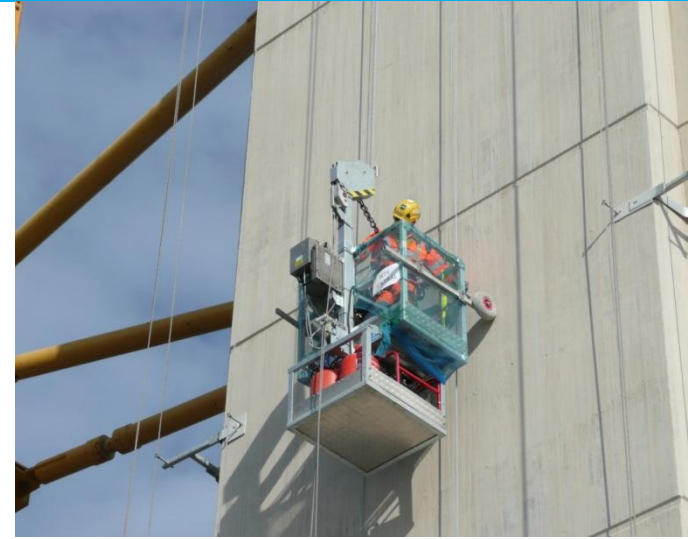
- Dedicated R&D centres and manufacturing plants.
- Full lifecycle support to clients, from feasibility through conception to execution.

### Reputation for Quality, Reliability and Security

- High standards and international accreditations, ISO 9001, ISO 14000 and OHSAS 18001.

### Expertise built over time

- Established more than 70 years ago, with the pass-through manual winch Tirfor®
- Today present in 6 segments - Lifting & Handling, Load Measurement, Height Safety Products & Solutions, Temporary Access, Permanent Access and Services - with 1100 employees, 19 international subsidiaries, 7 engineering centres and 10.000 distributors across all continents.



## STRONG BRANDS





# PRODUCTS AND SOLUTIONS FOR

- Rental Companies
- Oil & Gas
- Elevator Industry
- Wind Industry
- Telecoms
- Utilities
- Transportation
- Food Industry
- Manufacturing
- Waste Management
- Crane Manufacturers / Crane Installers / Maintenance Centres
- Construction
- Training Centres
- Office / Administration buildings



# GLOBAL DISTRIBUTION NETWORK

**OTIS**

**GRAINGER**  
FOR THE ONES WHO GET IT DONE

**KONE**



**Schindler**

 **CARABELLI**

  
**Carl Stahl**

  
**DESCOURS & CABAUD**

PSA PEUGEOT CITROËN

 **ThyssenKrupp**

**CERTEX**  
Lifting Products and Services

  
**MOTION INDUSTRIES**  
Keeping Industry in Motion

**بوداي**  
**BOODAI**  
One step ahead... Always!



MOTA-ENGIL

  
**SAINT-GOBAIN**

**DELCA**  
En cualquier caso, la herramienta adecuada

 **aurtenetxea s.a.**  
maquinaria & herramienta desde 1963

 **BEKAERT**  
better together

# PRODUCT SOLUTIONS

## Lifting & Handling

- World leader in pass-through manual and electric hoists

## Load Measurement & Control

- European leader in industrial dynamometers

## Temporary & Permanent Access

- World leader in scaffold hoists and aluminium platforms

## Height Safety products & solutions

- Leading provider of fall arrest systems and working-at-height equipment
- First manufacturer of a complete, certified 150kg fall arrest product range

## Services

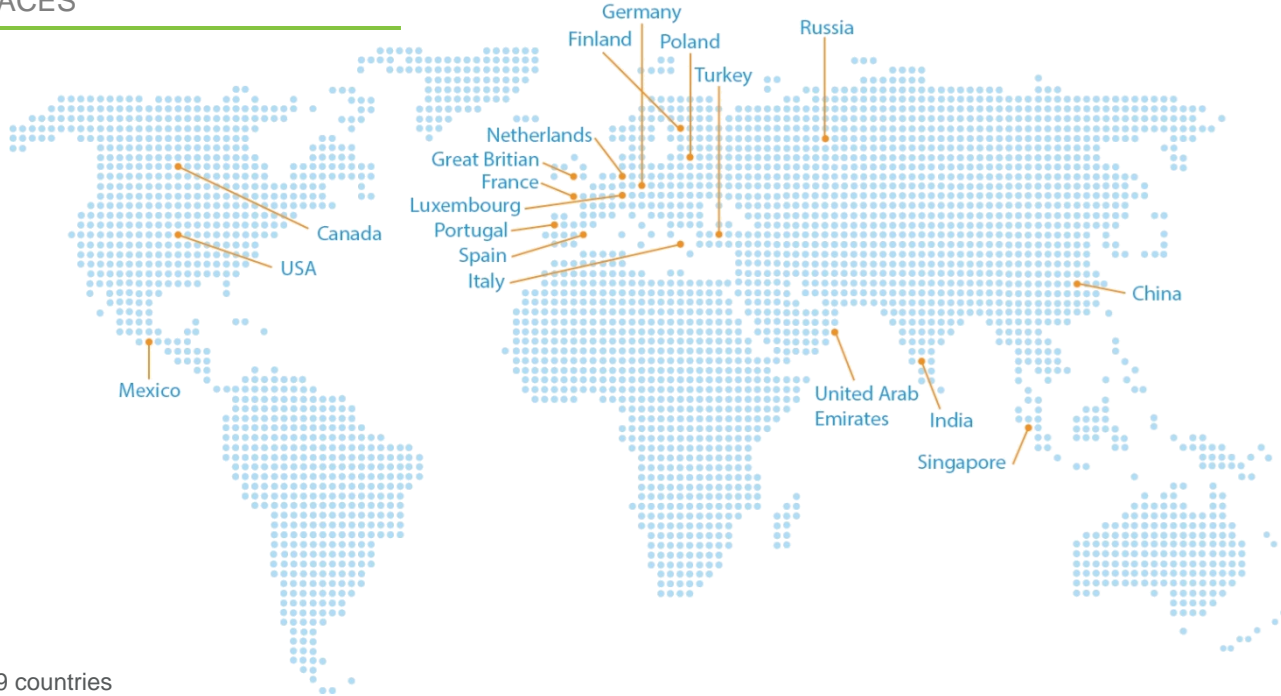
- Workshop maintenance, in-situ inspection & maintenance, spare parts, rental, training





# GLOBAL REACH

## PEOPLE AND PLACES



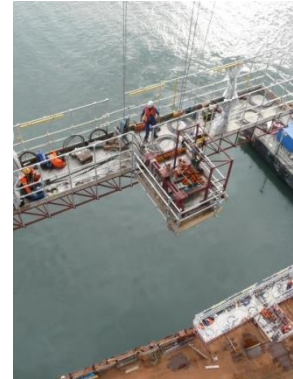
- Subsidiaries in 19 countries
- Manufacturing facilities in Canada, USA, Finland, France, Germany, Spain, Poland, Singapore, China and Turkey
- Centres of Excellence in Engineering in Germany, France, Luxembourg, Finland, Canada, USA and Singapore
- Over 1100 employees
- Over 10,000 Distributors
- Customers in more than 120 countries

# WHY CHOOSE TRACTEL ?

SAFETY AND PROTECTION ... WORLDWIDE

- Enhanced **Safety** and **Protection** for your employees, whatever your application, industry or geographical location;
- A comprehensive range of **Products and Solutions** which combine performance, ergonomics, safety and comfort;
- Global excellence in **Engineering** and **Manufacturing**;
- Local **Sales**, **Service** and **After-sales** support;
- Assured **Quality** and recognized **Standards**;
- **Experience** and **Expertise**.

Tried, Tested, Tractel ®

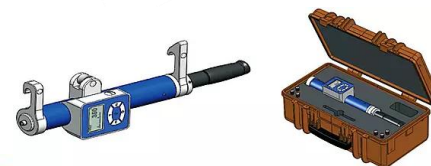
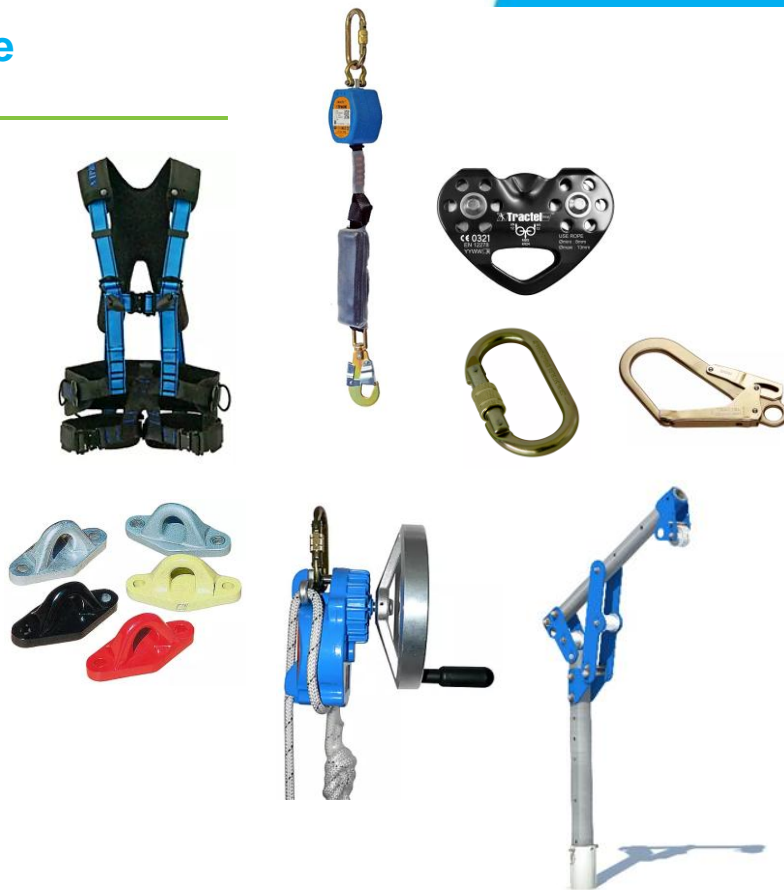


# Our range



# TRACTEL PPE range

- ✚ Harnesses
- ✚ PPE kits
- ✚ Fall arresters
- ✚ Lanyards
- ✚ Rescue
- ✚ Rope access
- ✚ Connectors
- ✚ Accessories
- ✚ Anchors
- ✚ Lifelines
- ✚ Confined space





# Benefits





# We are conform to European standards

## EUROPEAN STANDARDS :

**EN 341** : Descender devices

**EN 353-1** : Guided type fall arresters including a rigid anchor line

**EN 353-2** : Guided type fall arresters including a flexible anchor line

**EN 354** : Lanyards

**EN 355** : Lanyards with a shock absorber

**EN 358** : Belts for work positioning and restraint - Work positioning lanyards

**EN 360** : Retractable type (self-retracting) fall arresters

**EN 361** : Full body harnesses

**EN 362** : Connectors

**EN 795 A** : Fixed anchorages

**EN 795 B** : Mobile anchorages

**EN 795 C** : Anchor devices using a flexible horizontal anchor line

**EN 795-D** : Anchor devices using a rigid horizontal anchor line

**EN 795-E** : Deadweight anchorages

**EN 813** : Sit harnesses

**EN 1496** : Safety winches

**CNB / P / 11.060** : Horizontal use

**CNB / P / 11.074** : Horizontal use

**CNB / P / 11.075** : Horizontal use

**CNB / P / 11.062** : Fall arrest systems with a capacity greater than 100 kg

**CNB / P / 11.085** : Retractable fall arrester, Fall Factor 2



## PPE products 150 kg Certified



Tractel® is one of the first manufacturers to develop a complete range of fall arrest systems with a capacity greater than 100 kg, compliant with the EC requirements






# TRACTEL specificities

 **High capacity range 150 kg**

 **Extended lifetime**

-  • CNB/P/11.062 (for use above 100 kg)
-  • CNB/P/11.060 – 074 – 075 (for horizontal use / EDGE compliant)

 **Use of the Tractel® fall arrest equipment on **sharp edges**:**

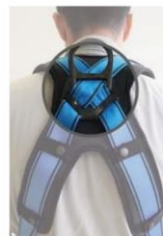
-  • CNB/P/11.060 (for the blocfor™ range)
-  • CNB/P/11.074 ((for the lanyards range)
-  • CNB/P/11.075 (for the stopfor™ range)

 Tractel® products are tested to stop the fall of a person, including safety equipment and tools



# Traceability

- Traceability is an essential element in assessing the effectiveness of personal protective equipment. These products must be inspected at least once every 12 months.
- Simply use a QR code reader to scan the label on the product or packaging to gain access to the information you need; direct to your phone, tablet or computer.
- Instant access to:
  - Certificate of Conformity (Notified body product certificate)
  - User manual
  - Technical data sheet
  - Declaration of conformity








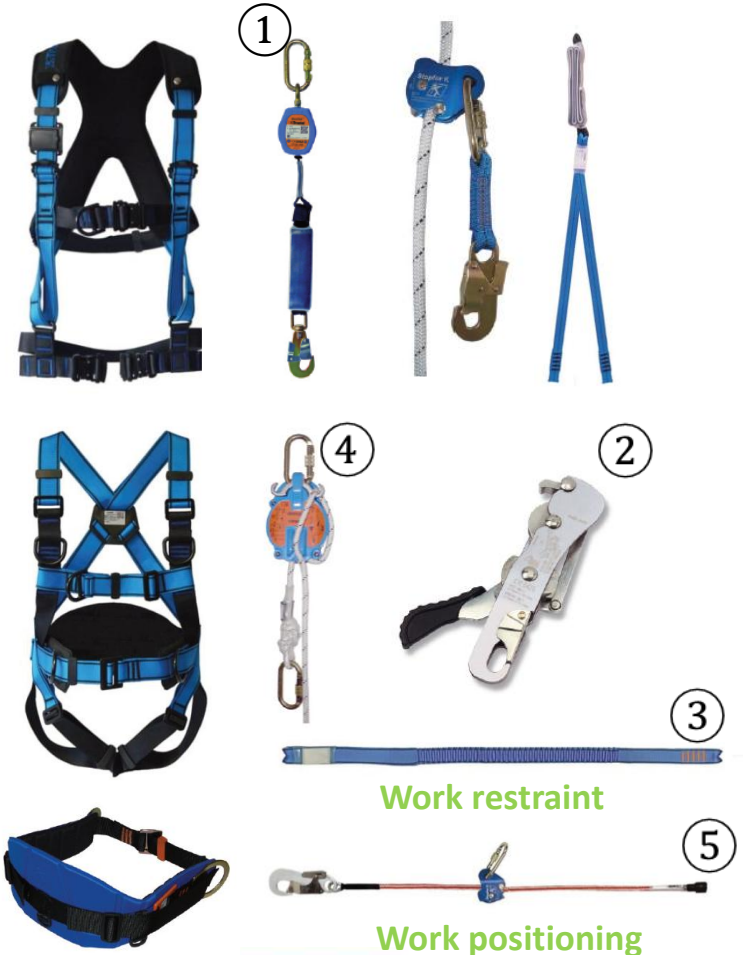
# Risk analysis





## Risk analysis based on situation and environment

- ①  **Fall Arrest system**: prevents the user from falling. Its role is to arrest a fall safely by limiting the shock and the device must be used with enough space(fall clearance)
- ②  Working while suspended: **Rope access work**: moving on a rope without contact with the structure. This system is not a fall arrest system and must be used with a fall arrest system.
- ③  **Work restraint** allows a delimitation of a workspace, preventing the worker from entering an area where there is a risk of falling. Not intended as a fall arrest system(!)
- ④  **Rescue system**: to evacuate from top to bottom or from bottom to top. The equipment must be adapted to the situation and staff should be trained.
- ⑤  **Work positioning**: secures a worker at the place of work by means of a work positioning belt and adjustable lanyard. Can only be used with a fall arrest system



1

## Risk analysis based on situation and environment



**Fall Arrest system:** prevents the user from falling. Its role is to arrest a fall safely by limiting the shock and must be used with enough space(fall clearance)




Full body harness  
EN 361

Fall Arrest System  
EN 360; EN353-2; en355  
Blocfor, Stopfor, Lanyard w/shocker

Anchor Point  
EN 795 Class A

2

## Risk analysis based on situation and environment

 Working while suspended: **Rope access work**: moving on a rope without contact with the structure. This system is not a fall arrest system and must be used with a fall arrest system.



Full body harness  
EN 361; EN358; EN813  
With **umbilical** point



Vertical displacement  
system




Fall Arrest System  
EN 360; EN353-2; en355  
Blocfor, Stopfor,



Anchor Point  
EN 795 Class A

### ③ Risk analysis based on situation and environment

 **Work restraint** allows a delimitation of a workspace, preventing the worker from entering an area where there is a risk of falling. Not intended to stop a fall from height




Full body harness  
EN 361

Restraint lanyard  
EN 354  
Polyamide 11 mm

Anchor Point  
EN 795 Class A

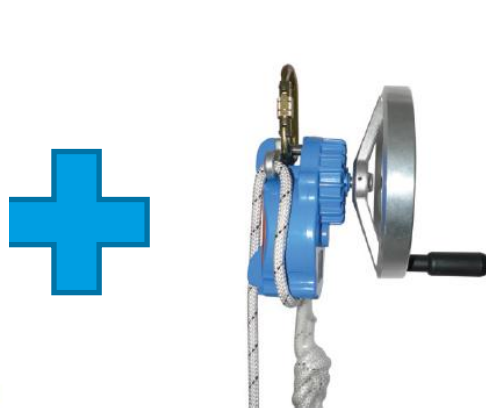
## Risk analysis based on situation and environment

4

 **Rescue system**: to evacuate a person from top to bottom or from bottom to top. The equipment must be adapted to the situation and staff should be trained.



Full body harness  
EN 361,  
with rescue strap or HT 22R



Derope™ rescue  
device



Anchor Point  
EN 795 Class A



5

## Risk analysis based on situation and environment



**Work positioning:** secures a worker at the place of work by means of a work positioning belt and adjustable lanyard. Can only be used with a fall arrest system



Full body harness  
EN 361 ; EN 358

Work positioning lanyard,  
Must be combined with fall arrest system

Anchor Point  
EN 795 Class A

Fall arrest & positioning

# The products



## New range of harness 2021

[..\catalog TSAS\Harnesses brochure 2021 EN Export \(1\).pdf](..\catalog TSAS\Harnesses brochure 2021 EN Export (1).pdf)

### Essential series

- Value range
- Cover the essential needs for an occasional use

ET10-11  
HT10-11-21



### Pro series

- Professional harnesses, an allrounder with some options

HT22-42-43  
HT34



### Expert series

- Expert harnesses with integrated X-Pad, label holder and extensive options for long hours of use

HT45-44-46  
HT55-56



### Specialist series

- Designed to fit specific job requirements and extended use
- Dedicated attachment point



[https://www.youtube.com/watch?v=1kQYR94\\_Lqc](https://www.youtube.com/watch?v=1kQYR94_Lqc)

# How to select your harness?

For each harness: Different anchor points



Rear



Front



Thoracic



umbilical



position



Different sizes

	S	M	XL	XXL
A	60 - 100	80 - 120	100 - 160	130 - 170
B	75 - 100	90 - 110	100 - 150	130 - 170
C	45 - 60	45 - 70	45 - 80	80 - 90
D	55 - 65	65 - 80	80 - 90	90 - 100

in cm



And the most important the application and frequency of use:

- Rope access
- Pylon
- Ladder climbing
- Roof works
- Horizontal use

# Harnesses

## Specialties

HT Promast HT Rescue HT Transport HT Greentool HT Electra HT Easyclimb HT 55 confined space



Mountaineering type leg straps, very easy to fit to body,

A wide choice of high level and premium quality harnesses for all applications: mast work, rope access, trimmer, industry, ladder, post, pylon.








# Harnesses

## Expert range

 HT56 HT55 HT46 HT45 HT44 reflective vest Ladytrac



 For example HT55:

-  Options: Standard or Automatic Buckles
-  Elastrac
-  Different sizes



# Harnesses

 **Pro range:** good harnesses for limited time of use

 HT34; HT43 HT22 + also reflective vests



 **Essential range:** For occasional use

 HT21 HT11



# Fall arresters

3 different categories



**Self-retracting fall arresters:**  
blocfor™ range



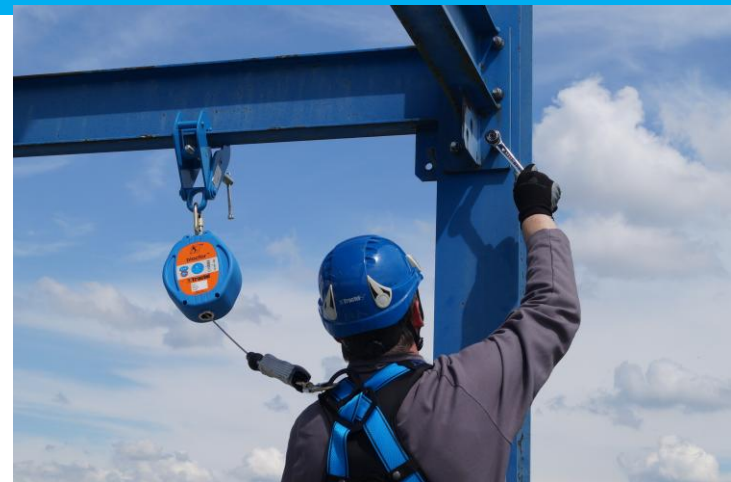
**Guided-type fall arresters on an anchor line:**  
stopfor™ range



**Shock-absorbing fall arresters:**  
shock-absorbing lanyard range

# Retractable fall arresters Blocfor™

- ✚ Wide range from 1.8 to 30m
- ✚ Possibility to buy with hand wheel Recuperator
- ✚ Versions with inox and synthetic ropes
- ✚ Complies with EN 360 and CNB/P/11.060 standards  
[.. \catalog TSAS\21 06 25 Blocfor Range GB.pdf](#)
- ✚ Can be used vertically or with a standard deviation of 20° in relation to vertical
- ✚ Flexible unwinding system which doesn't jerk during operator movement  
<https://www.youtube.com/watch?v=0-wF9u0d6Og>
- ✚ Includes Energy System Dissipater (ESD) technology which enables the device to arrest a fall ever
- ✚ when the webbing is fully unwound
- ✚ Integrated fall indicator
- ✚ Easy mechanism for an easy maintenance
- ✚ Lightweight and UV resistant



## Rope Grabs Stopfor™ B, K, MSP, SL range

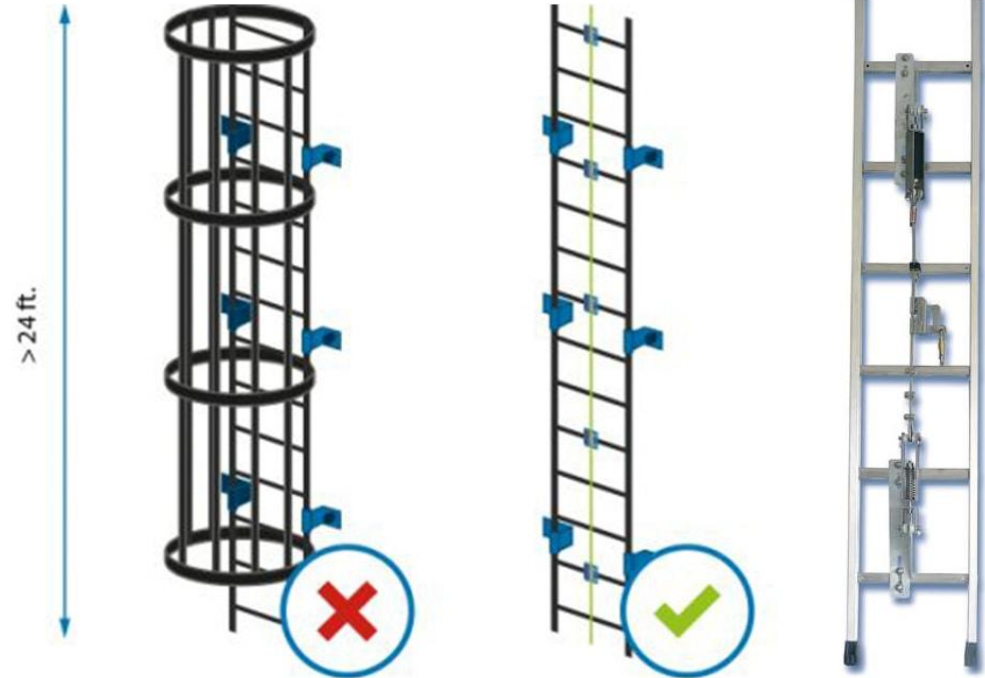
- Vertical and horizontal applications – EN 353-2
- Aluminium slider
- Stopfor B and BF with stranded rope 14 mm
- Stopfor MSP with stranded rope 14 mm & Anti reversibility system
- Stopfor SL stranded rope 14 mm & Anti reversibility – stainless steel





# Vertical safety Stopcable™ on steel rope

- Stopcable 150 kg
- Use of ladders can pose an element of risk
- Cage ladders does not protect persons from falling from height
- Stopcable ensures the safety of the worker and enables a person to move vertically safely and without disconnecting himself
- Complies with EN 353-1 and 353-2 CE standards

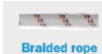


# Lanyards with shock absorber LDA, LSAE and LSA



 LDA : braided or kernmantel rope

frequent use



 LSA : webbing – polyester fibers

occasional



 LSAE : elastic webbing

frequent use



 Single or double lanyard

 150 kg

 EN 355 CE certified

 Multiple karabiners

 Lengths 1,5 and 2 m

Webbing



braided








Elastic





# Packing of kits

## An exemple of kit for roofers:

-  Harness
-  Two anchor points
-  Rope of 10m long
-  Connector
-  Bag



## Packing:

-  All products are delivered in transparent bag, reusable for transport or stock
-  The kits are proposed in carton with all explanations and “Made in France” label



## Rescue device - Derope™ Range

- ✚ The derope™ descent device is a controlled speed descent evacuation system.
- ✚ It can be used to evacuate either one person (up to 150 kg) at heights of up to 400 metres
- ✚ 2 people (up to 225 kg) at heights of up to 200 metres.





<https://www.youtube.com/watch?v=gw53mByJzWY>

- ✚ Derope standard
- ✚ Derope UPA
- ✚ Derope UPB
- ✚ Derope UPK
- ✚ Rescue kit
- ✚ Drill tool






# Life lines

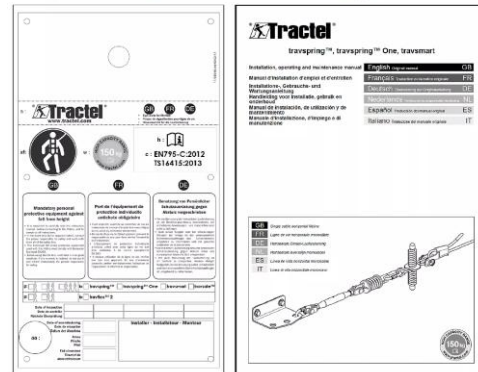
## Permanent lifelines:

-  TRAVSAFE: double ropes system, only at TRACTEL
-  TRAVSMART: polyvalent single rope solution
-  TRAVSPRING: manual and proximity system
-  TRAVFLEX: for steel structure

 <https://www.youtube.com/watch?v=TtboM2Nt1zs>

## Temporary lifelines:





-  TEMPO 2: with strap webbing
-  TEMPO 3: with a braided rope
-  TIRSAFE: work with a TIRFOR and galvanized steel cable






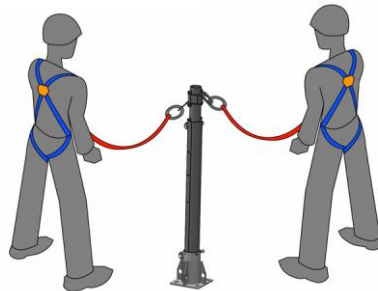
# Confined Space Access: Davitrac, Davimast, Tracpode, Tracrod

## DAVITRAC

-  The davitrac is a complete solution for safe vertical lifting of person and material in confined spaces situation.
-  Mobile and efficient solution for rescue situations.
-  It offers protection and total mobility for two people simultaneously, during work involving risk of falling
-  Its compatibility with the Tractel tool range allows a large number of possible configurations.

## DAVIMAST

-  It is an anchorage point that can secure two 150kg operators. It can also be used as a lifting anchor point to lift a maximum load of 250kg.



[www.youtube.com/watch?v=JRnrkMbmHcQ](https://www.youtube.com/watch?v=JRnrkMbmHcQ)



# Several solutions with Tractel® tools range



www.tractel.com

Scan this QR Code  
& find the solution  
suitable for your  
need



caRoI™ TS  
+ bracket

caRoI™ MO  
+ bracket

- Manual winches (caRoI™)
- Motorised winches (caRoI™)



scafor™  
+ bracket

- Hand-operated wire rope hoist with stirrup adapter (scafor™)

++  
For lifting material  
& rescue people

WLL 500kg max



- Fall arresters on a flexible anchor line (stopfor™)
- Controlled speed descent evacuation system (derope™)



blocfor™ 20R/30R ESD 150kg  
+ bracket

- Automatic fall arresters with integrated winch (blocfor™ R)



tirak™



minifor™

- Traction hoists (tirak™)
- Lifting hoists (minifor™)
- Manual chain hoists (tralift™)



tralift™

++  
Permits to handle  
material, without  
height limitation

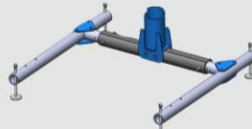
## Complete versability of the system with different adapter



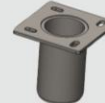
Wall mounted adapter



Clearance mural adapter



Portable H self-stabilizing adapter



Flush floor adapter



Mounted floor adapter

++  
Perfectly suitable  
for rescue people

# FABA™ safety ladders and rails

## A11

### The unbreakable one

- Good solution for manhole thanks to rungs' shape
- Forged rungs with high resistance
- Galvanized or stainless steel
- Specific cure
- With or without lateral guidance
- Since 1968



<https://www.youtube.com/watch?v=-P0muTwChfE>

## A12

### The versatile one

- Polyvalent applications
- Galvanized or stainless steel
- Specific curve
- Special design
- Since 1995



## AL2

### The light one

- Light solutions
- Anodized aluminium
- With or without lateral guidance
- Specific curve
- Special design
- Since 2000
- Mobil solutions
  - Mobil-F
  - Mobil



# Why to choose TRACTEL?



# The added value of TRACTEL

- ✚ A Team devoted to Export department
  - ✚ (customer service, local agent speaking slovakian, sales managers)
- ✚ TRACTEL training school
  - ✚ A staff dedicated to trainings: maintenance, product knowledge
- ✚ Close communication
  - ✚ Direct contacts
- ✚ Worldwide references
- ✚ One supplier for more than 350 products





## References



*THANK YOU FOR ATTENTION*



