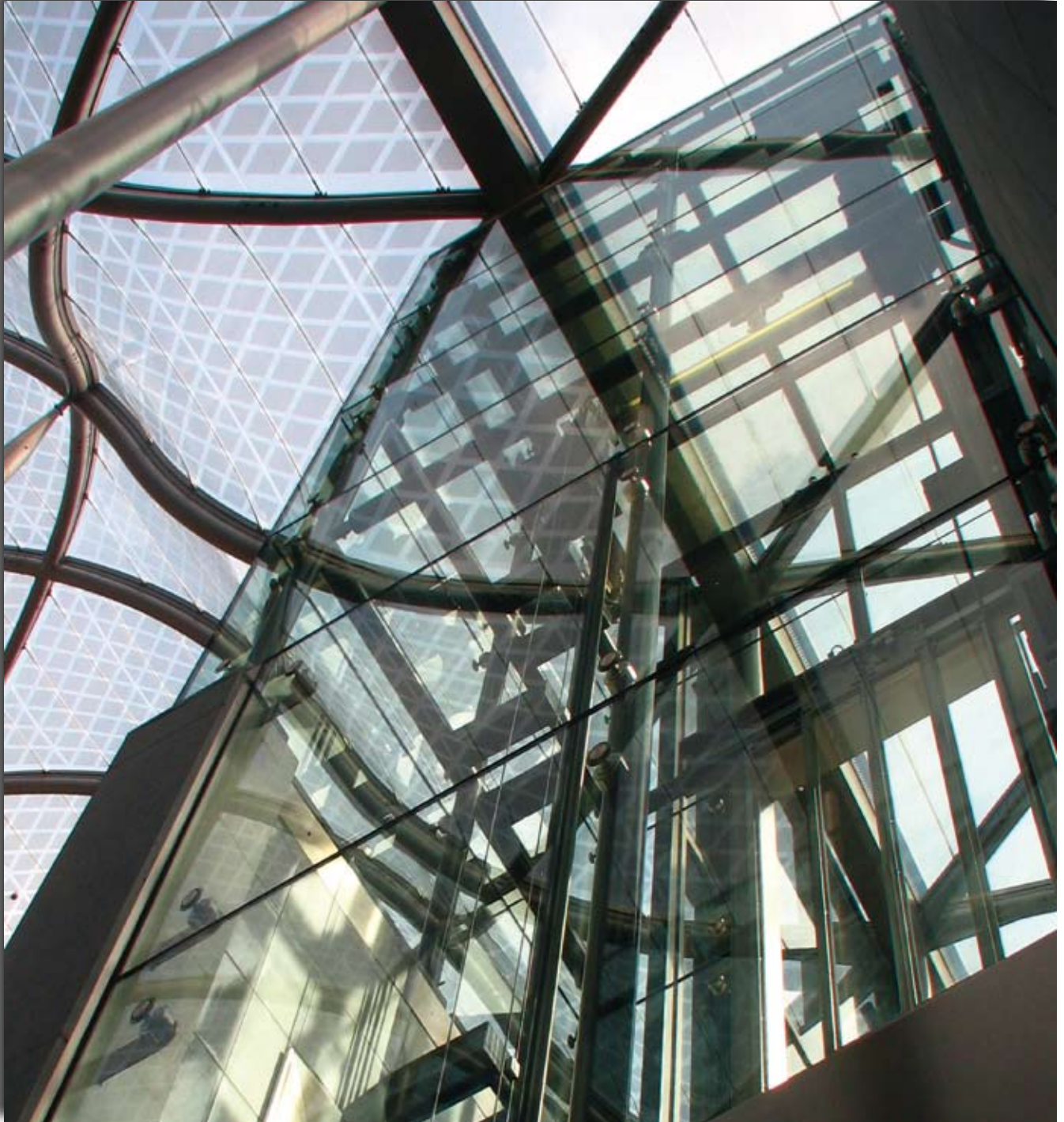


# Elevator Installation & Maintenance Equipment

A complete product range for the Elevator Industry



 **Tractel** 



# Equipment for Elevator Installation and Maintenance

Tractel® has been providing innovative products and services for elevator installation and maintenance applications for many years.

Tractel®'s very complementary product ranges cover a wide variety of applications such as secured access scaffolding for elevator shafts, height safety personal protective and material handling equipment.

With its worldwide distribution network, sales outlets and manufacturing facilities, Tractel® has been building its reputation as a loyal partner for the elevator industry.

Tractel®'s experience puts it at the forefront in providing safe, reliable and easy-to-use equipment for elevator installation and maintenance.

Tractel® equipment is used around the globe, in standard settings as well as in the most demanding elevator installations.

At Tractel®, long-term system performance value is guaranteed through our innovative house design, state-of-the-art manufacturing and dependable technical support.



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# Tractel® Service

## A global presence:

- Local support via Tractel® global network of companies
- Creative solutions for specific applications can be introduced to others
- Synergy and efficiency thanks to economy of scale



## Technical Support and Training:

- Technical support available for man riding applications, lifting and handling and personal safety
- Theoretical and practical training on all Tractel® products
- Implementation by experienced trainers, technicians and engineers



## Maintenance and Repair:

- Maintenance, annual inspection and overhaul of all Tractel® equipment and systems as well as calibration of load cells and measuring instruments
- Professional repairs and easy deliveries of spare parts are part of the Tractel® service



## Innovation:

Tractel® develops new products for global use with local adaptations as required. Tractel® recent state-of-the-art innovations include:

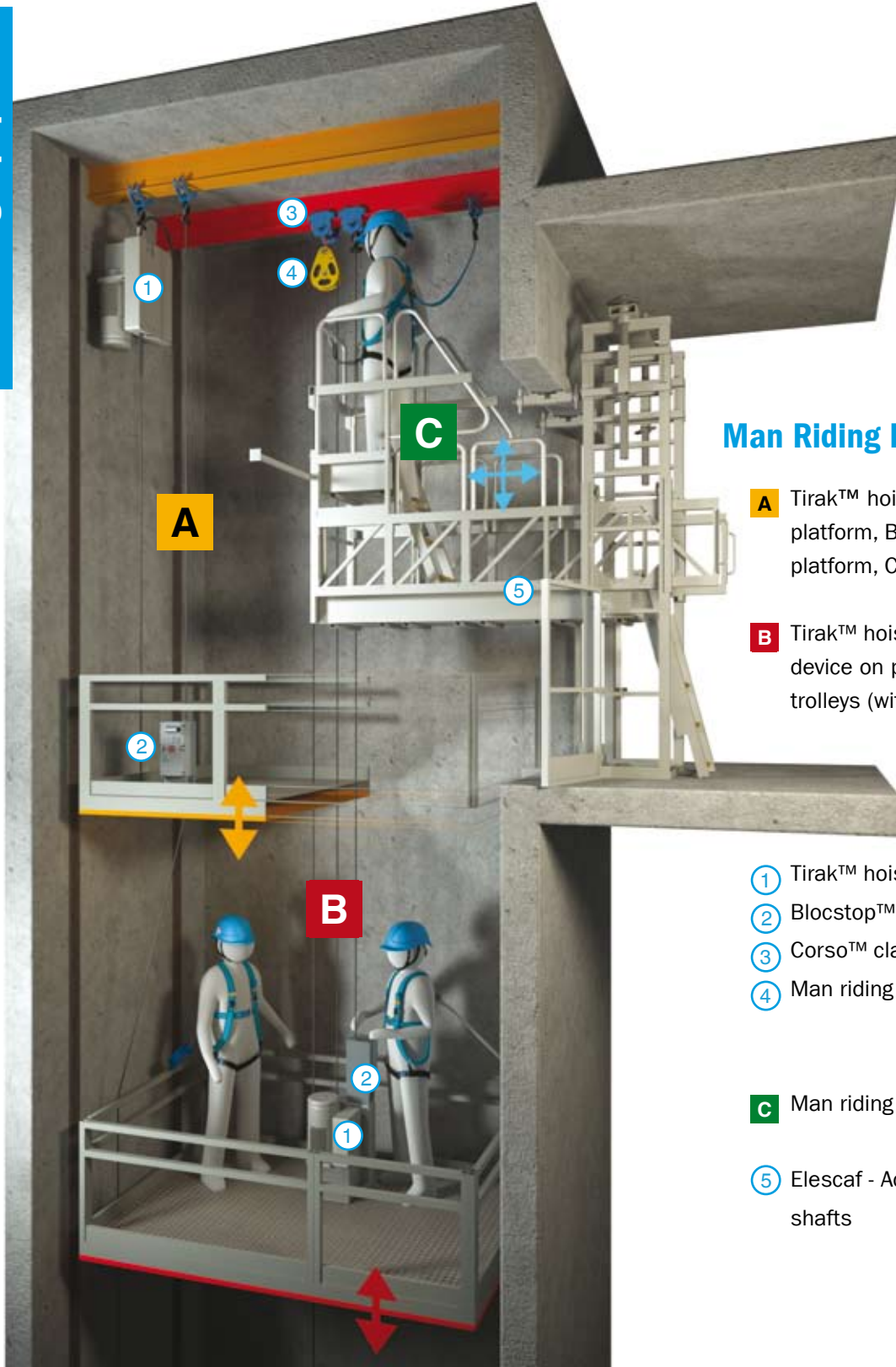
- Wire rope man riding pulleys
- Elescaf access platform for elevator shaft
- New range of Blocfor™ retractable fall arresters
- New Corso™ clamps and trolleys for man riding





# Man Riding Equipment

Man Riding Equipment



## Man Riding Equipment:

- A** Tirak™ hoist suspended outside the platform, Blocstop™ fall arrest device on platform, Corso™ clamps and trolleys
- B** Tirak™ hoist and Blocstop™ fall arrest device on platform, Corso™ clamps and trolleys (with or without pulleys)

- ① Tirak™ hoist
- ② Blocstop™ fall arrest device
- ③ Corso™ clamps or trolleys
- ④ Man riding pulleys

- C** Man riding equipment access scaffolding
- ⑤ Elescaf - Access scaffolding for elevator shafts

# Man Riding Equipment

## 1 - Tirak™ hoist

### Benefits:

- Unlimited wire rope length
- High safety: service brake, emergency centrifugal brake and integrated overload detection
- World-famous reliability
- Flexible fastening: directly on top of temporary lifting platform or under ceiling beam; wide range of interfaces and anchoring points

### Features:

- Monitoring: pendant control or direct control box on the hoist
- Constant lifting speed: up to 18 m/min (50 Hz) or 22 m/min (60 Hz)
- Nominal hoist capacities from 300 kg to 2,000 kg; can be reeved to increase load capacity
- Complies with European Machinery Directive 2006/42/EC and EN 1808 standard

### Accessories:

- Rope deflection device
- Wireless radio control
- Eye hook anchor
- ...



Enhanced elevator installation efficiency coupled with increased worker safety and ergonomics



## 2 - Blocstop™ fall arrest device

### Features and benefits:

- Overspeed detection
- Flexible fastening, directly on the hoist or on the platform
- Optional electrical triggering for greater safety
- Maximal load 500 to 2,000 kg
- Complies with European Machinery Directive 2006/42/EC and EN 1808 standard



More safety, limits shock factor, reliable design





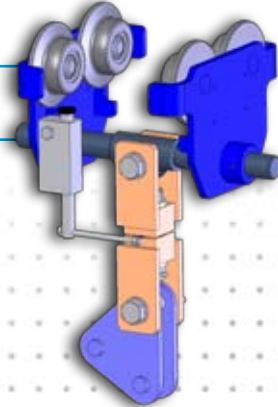
# Man Riding Equipment

## 3 - Corso™ clamps and trolleys

### Features and benefits:

- Capacities:
  - clamps: 1, 2, 2.5, 3 and 7 T
  - push trolleys: 0.5, 1, 2 and 3 T
- Suited for I-beams :
  - clamps 75 to 320 mm
  - push trolleys 58 to 300 mm
- Fast and easy installation with removable handle
- Additional locking brake on man riding Corso trolleys

 Corso™ trolley



## 4 - Man riding pulleys

### Features and benefits:

- Capacities: 1.6 T, 2.4 T, 4.8 T
- 3 different types of anchorage
  - EPA model with axle suitable for confined spaces
  - EPC model with swivel hook
  - EPF model with eye hook with safety latch for easy relocation
- Compatible with Tirak™ hoists, offering an increased capacity.
- Versatile: can be used for both man riding (EN 1808) and material handling applications (FEM 87)

 EPC pulley with swivel hook



## 5 - Elescaf - Access scaffolding for elevator shafts

Safe access to the shaft ceiling for fixing and checking anchor points

### Benefits:

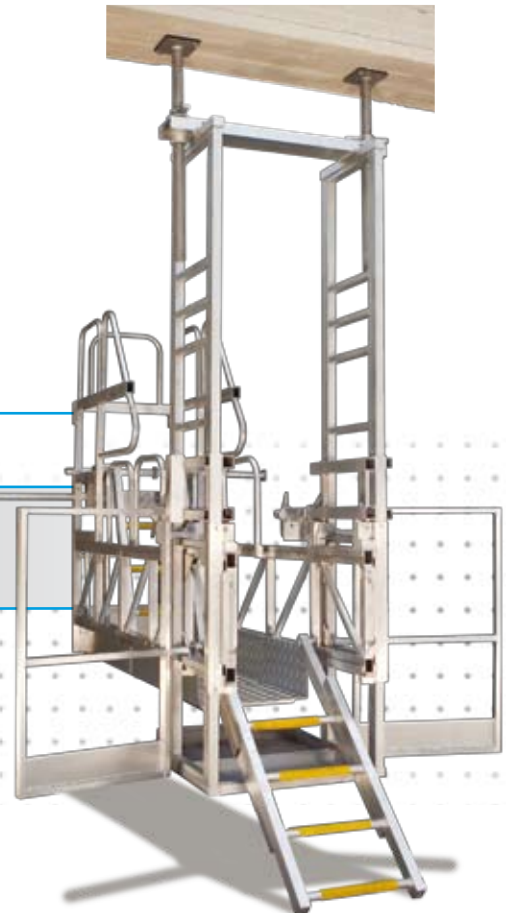
- Increased safety and efficiency
- Ergonomic working position
- Quick installation in the shaft
- Adaptable to main shaft dimensions

### Features:

- Maximum work load 300 kg or 2 persons
- Maximum depth reach 220 cm
- Maximum height reach 420 cm
- Lightweight
- Options: front lateral guard rails / locking panel

 Elescaf

Increased safety and efficiency



# Material Handling Equipment

## Material Handling Equipment

- ① Tirak™ hoist with eye hook anchor
- ② Tirak™ hoist with frame and wire rope reeler
- ③ Corso™ clamps or trolleys: anchor points for lifting equipment
- ④ Minifor™ hoist for rail installation and load lifting
- ⑤ Manual Tirfor® hoist for lifting and pulling loads
- ⑥ Test plate for anchor points
- ⑦ Dynafor™ dynamometer



# Material Handling Equipment

## 1 - High capacity Tirak™ hoist

### Benefits:

- Unlimited wire rope length
- High safety: service brake, emergency centrifugal brake and integrated overload detection
- World-famous reliability
- Can be used in any position
- Flexible fastening: can be reeved to increase load capacity; wide range of interfaces and anchoring points

### Features:

- Monitoring: with pendant control box or wireless control box
- Constant lifting speed: up to 18 m/min (50 Hz) or 21 m/min (60 Hz)
- Nominal hoist capacities from 300 kg to 3,000 kg; can be reeved to increase load capacity
- Complies with European Machinery Directive 2006/42/EC

### Accessories:

- Wire rope reeler with portable frame for easier handling and comfort (see below)
- ...



### Tirak™ X-3000 electrical wire rope hoist

The Tirak™ hoist, the most famous electrical wire rope hoist for you benefit

## 2 - Mobile Tirak™ hoist



### Mobile Tirak™ hoist



Mobile Tirak hoist with wire rope reeler



# Material Handling Equipment

## 3 - Corso™ clamps and trolleys: anchor point for lifting equipment

### Benefits:

- Large side plates and easy adjustment to fit a wide range of beams
- Capacities from 1,000 kg to 10,000 kg
- Movable hanging ring for the positioning of the load

### Features:

Corso™ model	Capacity WLL
Beam clamps	1 to 10 T
Travelling trolleys with manual chain	0.25 T to 5 T

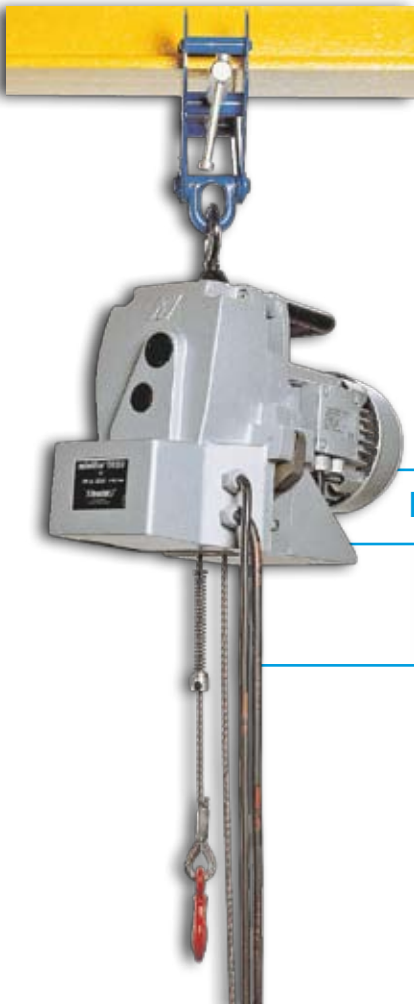
 Corso™ clamp



 Corso™ trolley



## 4 - Minifor™ hoist for rail installation and load lifting



### Benefits:

- Unlimited wire rope length
- Easy to handle
- Can be used in any position

### Features:

- Nominal hoist capacities from 100, 300 and 500 kg
- Options: radio control / reeler / sheave kit

Minifor™ TR50 electrical wire rope hoist 

Light and compact,  
easy to use



# Material Handling Equipment

## 5 - Tirfor® manual wire rope hoist

### Benefits:

- Portable
- Can be used in any position
- Strong and reliable design
- Unlimited wire rope length
- Easy maintenance

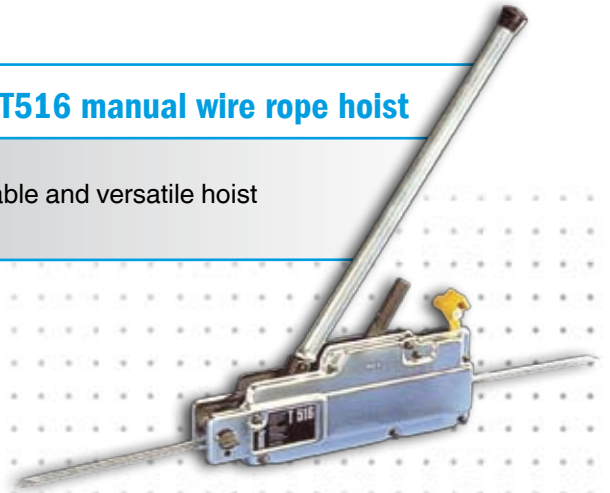
### Features:

- Lifting capacity 800 kg to 3,200 kg; can be reeved to increase capacity
- Integrated load limiter
- Complies with European Machinery Directive 2006/42/EC



### Tirfor® T516 manual wire rope hoist

Portable and versatile hoist



## Other Products:

### Tralift™ manual chain hoist

### Benefits:

- Easy to use
- Free 360° rotation on swivel hook for perfect positioning
- Automatic brake engagement when load applied
- Removable cover for easy maintenance

### Features:

- Lifting capacity from 250 kg to 20,000 kg



### Tralift™ 1 T manual chain hoist

Multi-purpose, robust and safe!



### Bravo™ manual lever hoist

### Benefits:

- Can be used in any position
- Free 360° rotation on swivel hook for perfect positioning
- Easy chain adjustment in neutral position
- Automatic brake engagement when load applied

### Features:

- Lifting capacity from 250 kg to 6,000 kg



### Bravo™ 1,5 T manual lever hoist

Multi-purpose, robust and safe!



# Material Handling Equipment

## 6 - Test plate for anchor point

### Benefits:

- No need for load measurement device
- Economical sample test
- Irrefutable proof

### Features:

- One-time usage
- Static test coefficient 1.5 in accordance with the European Machinery Directive 2006/42/EC
- Available with 4 preset breaking test strengths:

Nominal anchor point capacity	400 kg	1,000 kg	1,350 kg	2,650 kg
Breaking test strength	600 kg	1,500 kg	2,000 kg	4,000 kg



### Test plate

Economical sample test



## 7 - Dynafor™ dynamometer for strength and load measurement

### Benefits:

- Accuracy up to 0.1% of nominal capacity
- Capacities from 0.5 T to 250 T
- Wireless display
- PC connection for information storage



Display (option)



### Dynafor™ LLX1 dynamometer

A complete range of electronic dynamometers



## Dynaplug™ electronic anchor testing device: for testing anchor points up to 1,000 kg

### Features:

- Capacity: 1,500 kg
- Complies with EN 795 A

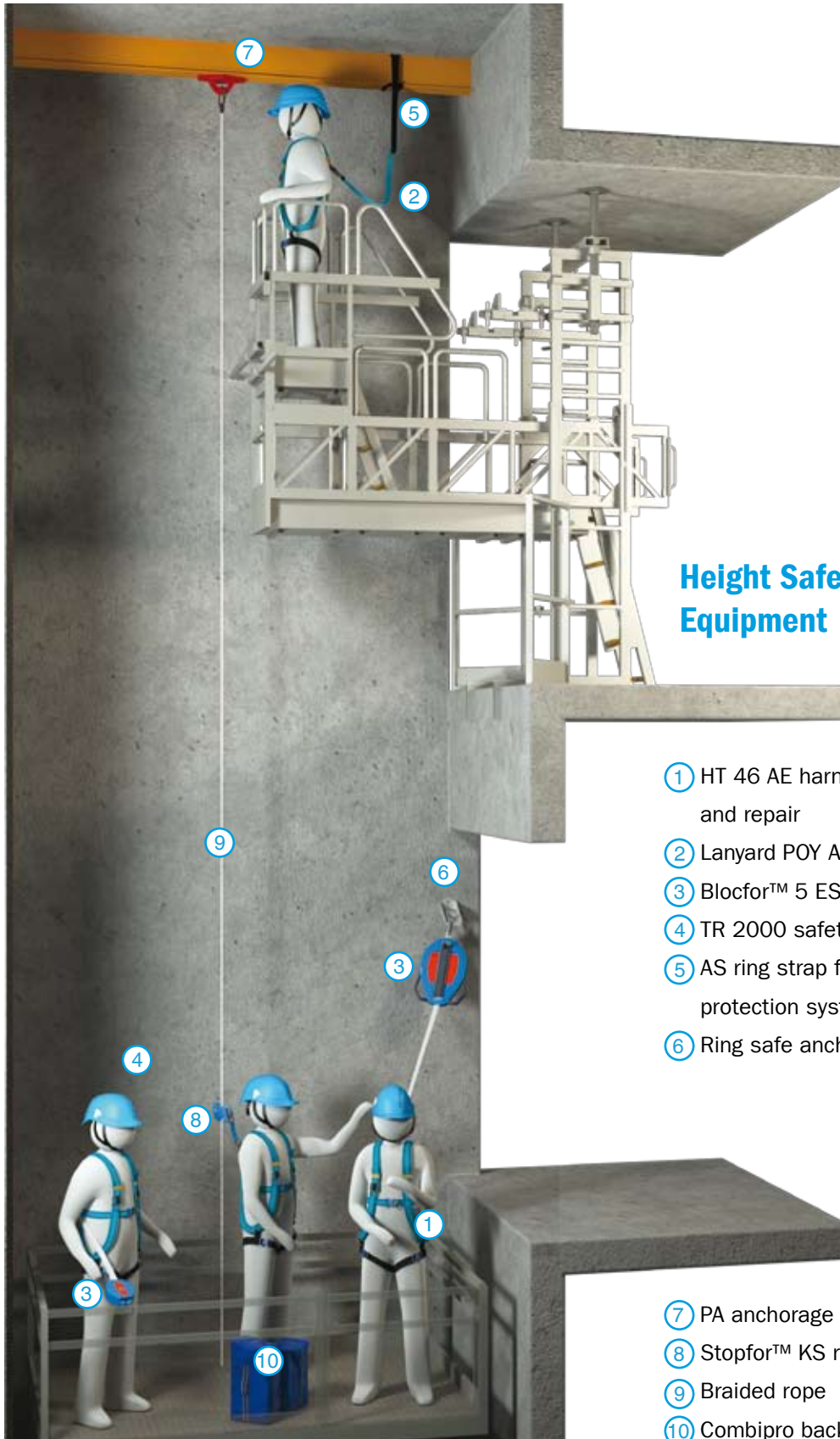


### Dynaplug™ electronic anchor testing device





# Height Safety Personal Protective Equipment



## Height Safety Personal Protective Equipment

- ① HT 46 AE harness for maintenance installation and repair
- ② Lanyard POY Absorber
- ③ Blocfor™ 5 ESD & Blocfor™ 20 fall arrests
- ④ TR 2000 safety helmet
- ⑤ AS ring strap for anchoring a personal fall protection system
- ⑥ Ring safe anchorage point with fall indicator
- ⑦ PA anchorage point
- ⑧ Stopfor™ KS rope fall protection device
- ⑨ Braided rope
- ⑩ Combipro backpack

# Height Safety Personal Protective Equipment

## 1 - Harnesses for maintenance, installation and repair (HT series)

### Benefits:

- Quick and easy to adjust
- Safe and comfortable
- 3 sizes S-M-XL

### Features:

- All HT harnesses comply with EN 361
- Polyester strap
- Automatic adjustment buckle (model HT 46)
- Elastrac™ device for stretching effect (model HT 46)



### Elastrac™ HT 46 AE

Elastrac™:  
the right balance between  
safety and comfort



Complete range of harnesses available for any specific applications or needs (refer to Tractel Fall Arrest Catalogue).

## 2 - Lanyard POY Absorber

### Benefits:

- Lightweight
- Resistant against abrasion and cuts
- Integrated shock absorber

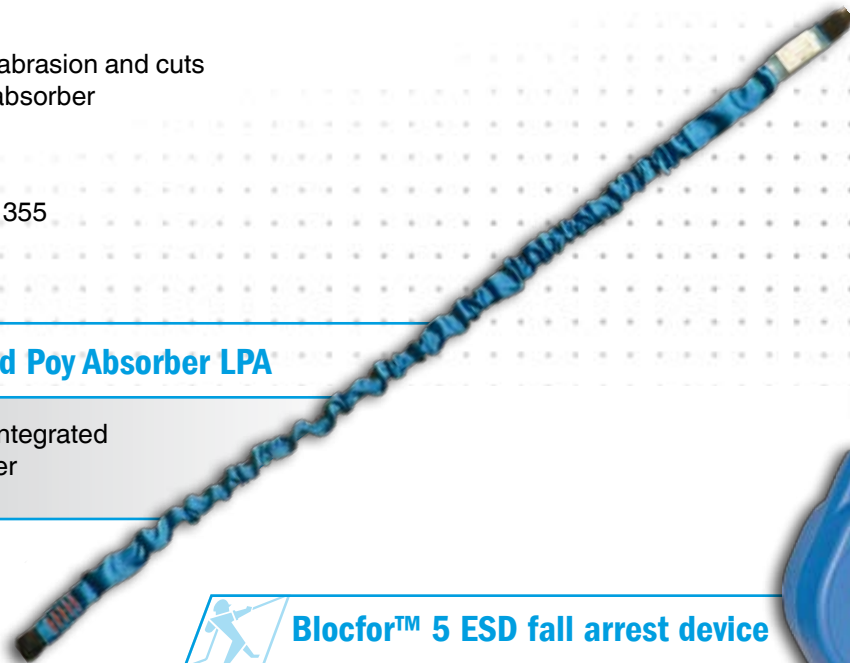
### Features:

- Complies with EN 355



### Lanyard Poy Absorber LPA

Lanyard with integrated  
shock absorber



### Blocfor™ 5 ESD fall arrest device



## 3 - Blocfor™ fall arrest devices from 1.5 m to 30 m

### Benefits:

- A complete range of retractable fall arresters for various applications (1.5 m / 2 m / 5 m / 6 m / 10 m / 20 m and 30 m length)
- Easy maintenance
- Lightweight and solid



# Height Safety Personal Protective Equipment

## 4 - TR 2000 safety helmet

### Benefits:

- Quick and easy to adjust
- Enhanced comfort and optimised safety
- Dedicated accessories (goggles, earmuff, lamp holder, earplug)
- Head ventilation and electrical certification combined

### Features:

- Complies with EN 397 and EN 50365
- Colours: blue, red and white
- 5 years service life under normal usage
- Made of resistant enhanced ABS



### TR 2000 safety helmet

Multi-purpose and comfortable; electrical certification.



## 5 - AS ring strap for anchoring personal fall protection systems

### Benefits:

- Anchorage point compliant with EN 795

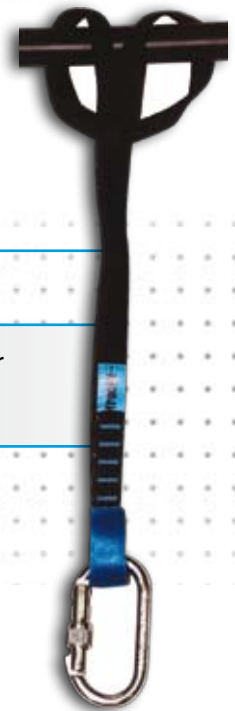
### Features:

- Lightweight
- Lengths of 0.6, 1 and 1.5 m.
- Temperature range -30 C° to + 60 C°



### AS ring strap

Easy to install; the ideal anchor for various applications



## 6 - Ringsafe anchorage point with fall indicator

### Benefits:

- Anchorage with fall indicator
- Easy to install with a 12 mm dia. bolt

### Features:

- 100% stainless steel
- Complies with EN 795 A



### Ringsafe anchorage

Avoids to use an anchorage point already subjected to a fall



# Height Safety Personal Protective Equipment

## 7 - PA anchorage point

### Features and benefits:

- High safety for one person
- 100% aluminium
- Colours: Aluminium, grey, red, black
- Complies with EN 795 A



### PA anchorage point

Anchorage point for max. 1 person



## 8 - Stopfor™ KS rope fall protection device

### Benefits:

- Lightweight and compact
- Easy to install
- A Tractel® patented design prevents putting the device upside down on the rope
- Corrosion resistant

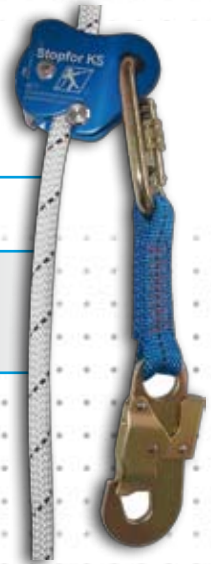
### Features:

- Compatible with static braided rope 11 to 12.5 mm
- Complies with EN 353.2 and EN 358



### Stopfor™ KS

Modern design for high efficiency



## 9 - Braided rope

### Benefits:

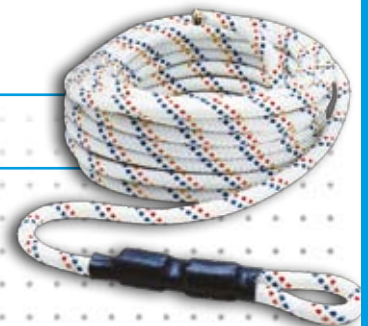
- Easy to coil
- Lightweight

### Features:

- For use with Stopfor™ KS



### Braided rope



## 10 - Combipro backpack 20, 30 and 60 L

### Benefits:

- Easy and safe storage of fall arrest devices set



### Combipro



# Tractel® throughout the world ...



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