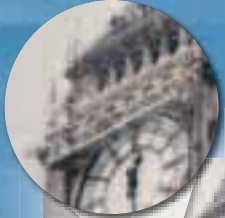


# secalt<sup>®</sup>

**temporary suspended access**





Platform ALTA 15 m,  
London



Platform ALTA 7 m,  
Barcelona



Platform  
ALTA 3 m,  
Luxembourg



Platform ALTA  
with monorail  
RAILSCAF, France



Platform ALTA 12 m, Belgium



Platform ALTA 12 m, Zaragoza



Platform ALTA 8 m with 2 suspensions PORTAFIX, Brussels

# SECALT®: Present Everywhere



# SECALT®:

## Access to the most inaccessible areas



For quick interventions at all heights

- > Facades
- > Cooling Tower
- > Chimneys
- > Antennas
- > And buildings of all shapes and sizes
- > Windmills
- > Power stations
- > Dams
- > Bridges



For transporting people, tools and equipment.  
It is an all in one platform, combining safe working platform with a lift, avoiding the need for a crane.



For improved efficiency, working at the optimal height and in the right position.

SECALT® offers a large range of suspended working platforms.



4 platforms ALTA 12 m, Paris



3 platforms ALTA 6 m,  
cooling tower,  
France



2 platforms ALTA 6 m and 10 m,  
Germany



# In every Situation,



*Double deck ALTA platform delivered with an overhead crane for load handling (mortar plates) and personal lift.*



*ALTA platform specially designed for antenna*



*Round ALTA platform specially designed for*



*Special ALTA platform for bridge inspection*





# a SECALT® Solution



refinery tower



2 m ALTA platform  
with manual hoist and  
2 PORTAFIX if jobs



4 m ALTA platform on refinery stack



Specialty designed ALTA  
platform for cleaning  
cooling tower



# Assembly, Use

## Suspended Working Platforms

### Description

#### To install a complete suspended workstation:

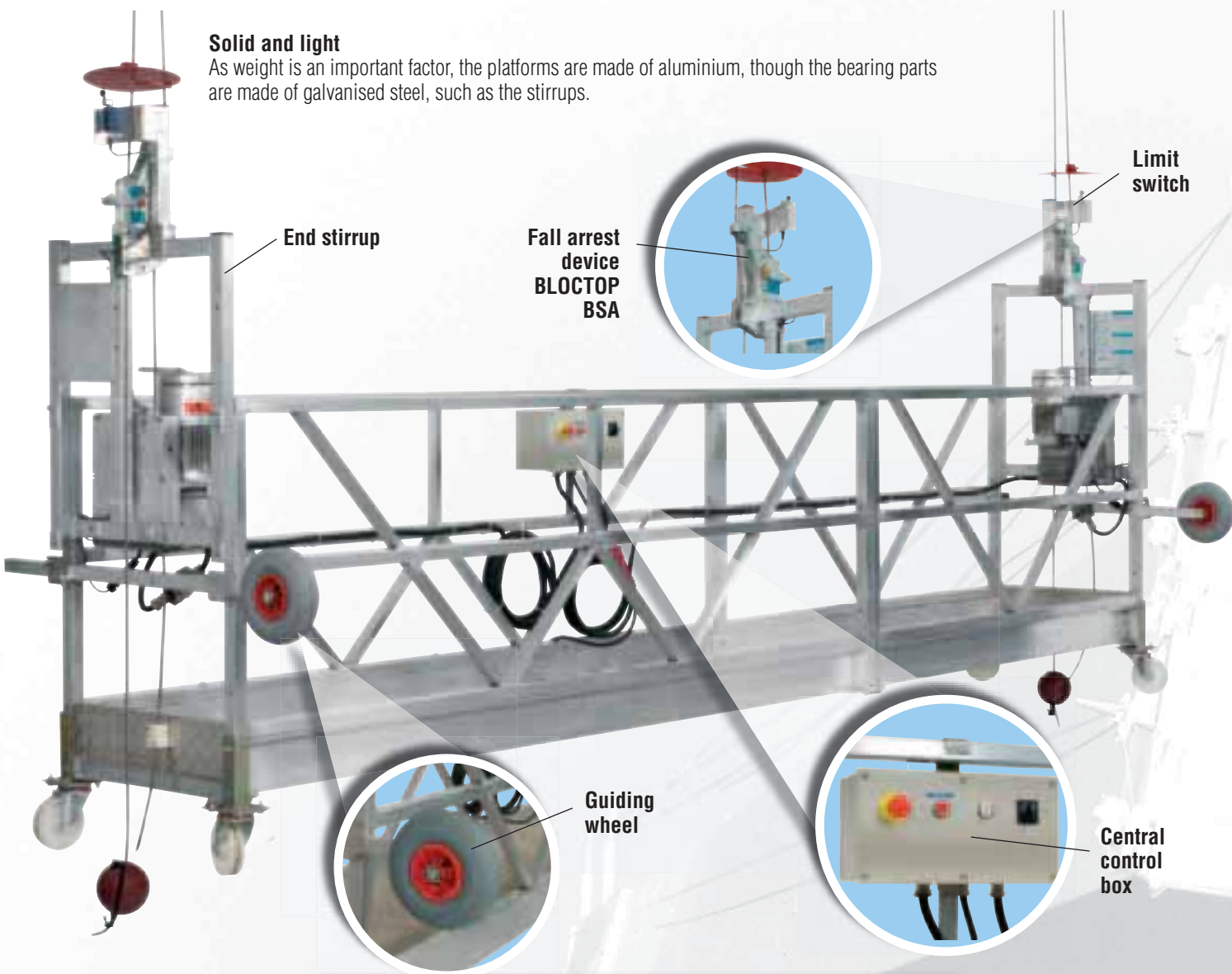
- > a ALTA «L» or «S» platform equipped with either TIRAK® motorised or SCAFOR® manual hoists.
- > steel cables connected to supporting PORTAFIX jib or OMEGA parapet clamps (see below).

### Modular assembly

The originality of this design allows working platforms to be built between 2 m and 18 m, by assembling sections of either 2 m or 3 m in length.

### Solid and light

As weight is an important factor, the platforms are made of aluminium, though the bearing parts are made of galvanised steel, such as the stirrups.



### Two models available depending on the type of work undertaken:

#### ALTA «L»

A model perfectly suited to lightweight applications such as painting and decorating, refurbishing, jointing and repairs, window cleaning etc.

#### Technical details:

**Length:** up to 15 m

**Inside width:** 0.60 m

**Working load limit:** 120 kg/m

#### ALTA «S»

The ALTA «S» model is to be used on heavy applications such as facades, chimneys, silos, bridges, etc. It is particularly well suited for rental.

#### Technical details:

**Length:** up to 18 m

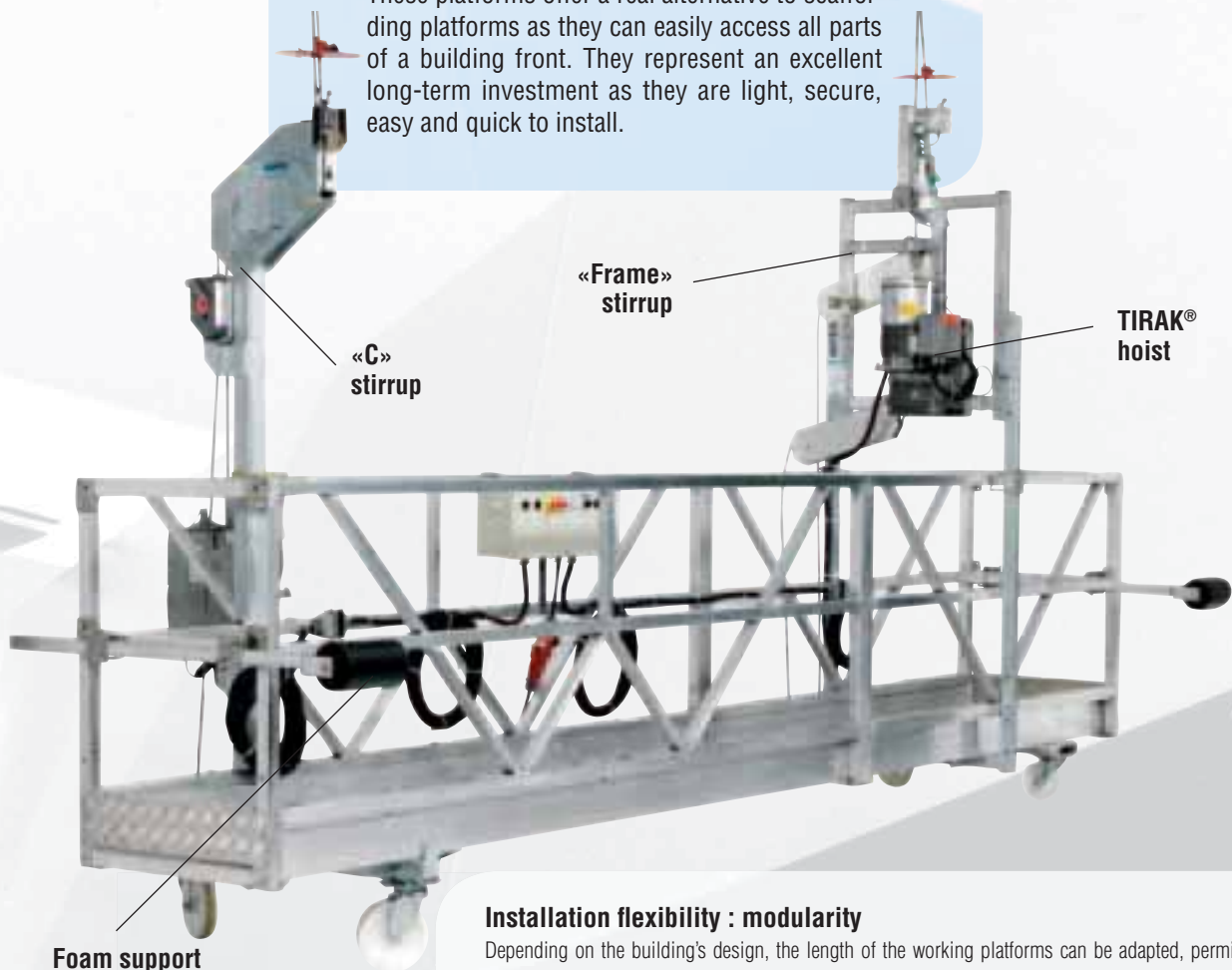
**Inside width:** 0.68 m

**Working load limit:** 140 kg/m

# : Ingenuity

## ALTA «L» & ALTA «S»

These platforms offer a real alternative to scaffolding platforms as they can easily access all parts of a building front. They represent an excellent long-term investment as they are light, secure, easy and quick to install.



Foam support roller (option)

### Installation flexibility : modularity

Depending on the building's design, the length of the working platforms can be adapted, permitting a large number of solutions.

According to the planned working platform usage (type of work to be undertaken, building design, working weight, number of people etc), SECALT® offers three types of stirrups for the platform.

#### 1. End stirrups

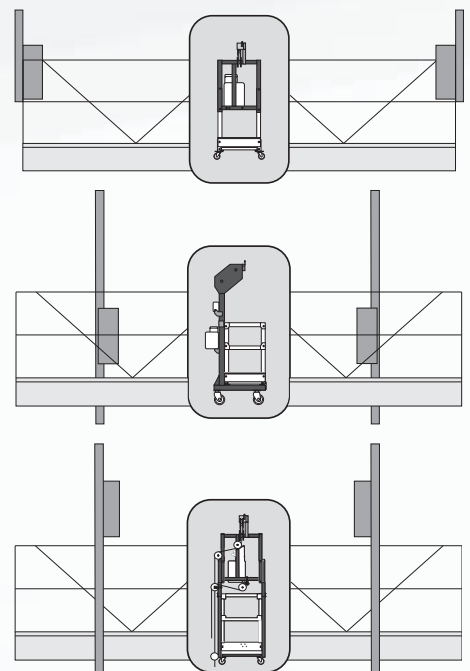
a very economical and lightweight solution just to 12 m in length for ALTA «L» and 15 m for ALTA «S».

#### 2. «C» stirrups

fitted to the external part of the platform, they facilitate access to the building surface and allow the platform to easily access all parts of a building. Maximum length 15 m ALTA «L» and 18 m ALTA «S».

#### 3. «Frame» stirrups

allow easier access to building corners. Its upper part is compatible to the end stirrup. Maximum length 15 m ALTA «L» and 18 m ALTA «S».





# Ergonomics: Cost Reduction

## Double decked ALTA «L» & «S» and TANGOR® platforms



### Double decked ALTA platforms

A trusted and proven solution to cover large working surfaces or involving heavy building materials.

All the advantages of ALTA «L» & «S» platforms are utilised simply by connecting two platforms into a double decked working platform.

#### Technical information

ALTA «L» maximum length 8 m

ALTA «S» maximum length 10 m

*6 m double decked ALTA platform  
for building facade*



## TANGOR®

This platform consists of an assembly of 2 m or 3 m sections. It is very well suited to lightweight applications such as painting, refurbishing, jointing, cleaning etc. Its patented assembly design without welding guarantees safe operation during a long lifetime.

The TANGOR® platform may be used with end stirrups or «C» stirrups like the ALTA «L» platform (see above). Which hoist? You have the choice; you can use powered TIRAK® hoists or manual TIRFOR® or SCAFOR® hoists (max. 9 m).



#### Technical details:

Platform manufactured with extruded aluminium profiles, permanently assembled with patented rivet system.

Maximal length: up to 9 m, 12 m or 15 m according to hoist / stirrup

Inside width: 0.60 m

Working load limit: 120 kg/m



# Quick and Efficient

## Our simple and light temporary working platforms

We have a range of simple temporary access machines designed for building inspection, cleaning, repairs, when the work is at height and has to be done quickly.

### ALTA-SOLO suspended working platform

This motorised one-man platform is based on the technique of its sister ALTA =L= platforms. It allows comfortable and quick access to any point of the building facade for one person with material and tools – up to 40 m height. The guiding wheels efficiently prevent the platform from moving.

#### Technical details:

Material of the platform: aluminium

Dimensions (L x W x H): 1,14 x 0,89 x 1,17 m

Overall height: 2,17 m

Working load: 120 kg.



### The SOLSIT motorised work seat

Supported by a TIRAK® motorised hoist, the SOLSIT work seat has two buckets for cleaning liquid or tools and guiding wheels.



### The SUBITO manual work seat

Equipped with the the SCAFOR® manual hoist, the SUBITO work seat is perfect for working on building facades up to 20 m, for inspection, maintenance or simple cleaning tasks. Light and compact, its operational stability is enhanced by its guiding wheels.



# High Quality Control: Safety

## TIRAK®: The standard for motorised hoists

Thanks to its leading edge technology, its hand built precision, the TIRAK® motorised hoist has become the standard in wire rope hoists. Constantly being improved, the TIRAK® is extremely safe, reliable, and, is the predominant hoist used by SECALT® for temporary suspended access.



### The TIRAK® wire rope hoist is

- **Extremely reliable due to its innovative design,** built with the finest quality materials, conforming to EN 1808, safety requirements on suspended access equipment, the most demanding in the world, and to CE directives. All electrical equipment complies with the protection class IP55.

- **Reduced maintenance**

The TIRAK® has a duty cycle of 100%, is robust and very easy to handle and to maintain, as maintenance has been reduced to a minimum by features such as a lifetime oiled motor.

- **Several models depending on usage**

The electrical motors 50 Hz three-phase 230 / 400 V or mono-phase 230 V are for constant use. Other tensions or two speed motors are available as options.

For hazardous environments at risk from explosion (oil refineries, chemical plants, etc) SECALT® has the ideal solution in pneumatic motors.

- **Complete safety integration on a single hoist**

Built into the TIRAK® are a number of complimentary safety features such as overload detection device, centrifugal brake, electromagnetic motor brake and a manual descent device.

The hoist uses a special high resistance galvanised steel wire rope which is delivered separately either on a spool or drum.

### TIRAK® Technical information

(Not applicable for North America)

For dimensions and other data refer to the technical sheet

| Model   | Capacity for lifting people | Speed  | Motor   |       | Cable diameter | Weight of load |
|---------|-----------------------------|--------|---------|-------|----------------|----------------|
|         |                             |        | Type*** | Power |                |                |
|         | lifting                     | mm/min |         | kW    | mm             | kg             |
| X-300   | 300                         | 8      | 3φ      | 0.5   | 8.3            | 25             |
| X-302   | 300                         | 18     | 3φ      | 0.9   | 8.3            | 25             |
| X-301   | 300                         | 9      | 1φ      | 0.5   | 8.3            | 25             |
| XA-300  | 300                         | 4 - 9  | A       | -     | 8.3            | 20             |
| X-400   | 400                         | 8      | 3φ      | 0.9   | 8.3            | 29             |
| X-401   | 400                         | 9      | 1φ      | 0.65  | 8.3            | 31             |
| X-500   | 500                         | 9**    | 3φ      | 0.9   | 8.3            | 39             |
| X-502   | 500                         | 15**   | 3φ      | 1.8   | 8.3            | 39             |
| X-601   | 500                         | 9      | 1φ      | 0.9   | 8.3            | 43             |
| XA-500  | 500                         | 4 - 9  | A       | -     | 8.3            | 35             |
| X-820   | 800                         | 9**    | 3φ      | 1.8   | 9.5            | 47             |
| X-822   | 800                         | 18**   | 3φ      | 3.0   | 9.5            | 49             |
| X-1030  | 1000                        | 9**    | 3φ      | 1.95  | 10.2           | 67             |
| XA-1030 | 1000                        | 4 - 9  | A       | -     | 10.2           | 36             |
| X-2050  | 2000                        | 6      | 3φ      | 2.2   | 14             | 100            |
| X-2052  | 2000                        | 12     | 3φ      | 5.5   | 14             | 117            |

\* The indicated capacities for man-lifting are calculated on the effective breaking strength of the wire rope (safety factor of 6). For countries requiring a higher safety coefficient, the lifting capacity should still be calculated on this basis, bearing in mind that the minimum wire rope breaking strength is 4,800 kg per 8.3 mm cable diameter, 6,800 kg for 9.5 mm, 8,000 kg for 10.2 mm and 16,000 kg for 14 mm.

\*\* Option: for X-500, X-800 and X-1030 series available with three-phase motor and two speeds (4.5 / 9 or 4.5 / 18 or 9 / 18 mm/min.)

\*\*\* 3 φ = three-phase 230 / 400 V, 50 Hz, 1500 RPM or 3000 RPM

1 φ = mono-phase 230 V, 50 Hz, 1500 RPM. Other voltages available.

A = Pneumatic motor, 6 bar pressure, air consumption 1.1 m³/min (XA-300), 1.8 m³/min (XA-500) or 2.8 m³/min (TA-1020).



# Simple and Light

## The SCAFOR® manual hoist

The manual SCAFOR® hoist, which was developed to give maximum security and ease of use at the same time, fits all ALTA, ALTA-SOLO one man platforms, SUBITO work seat and other platforms, as it can easily be fitted to any stirrups.



### A multitude of advantages:

- As a cable hoist, it is very quick and easy to fit the cable through the hoist, and without a wire drum, the speed and the winding effort remain constant irrespective of height. Working height is only limited to the length of the cable and the cable has a much longer life expectancy as its not wound onto a drum.
- It only weights 11 kg including all its safety features: small size, easy maintenance and verification, integrated safety device, emergency stop red handle, centrifugal break for models 406 C & 406 C.

### SCAFOR® Technical information

*For dimensions and other data refer to the technical sheet*

| Model  | Dim. | 406** | 406C** | 408** | 408C** |
|--|------|-------|--------|-------|--------|
| Nominal lifting capacity                         | kg   | 406   |        | 408   |        |
| Effort on each handle for load of 250 kg         | kg   | 7     |        | 7     |        |
| Unit weight without wire rope                    | kg   | 11    |        | 11    |        |
| Rope travel for one complete cycle               | cm   | 7,5   |        | 7,5   |        |
| Diameter of lifting wire rope & safety wire rope | mm   | 6,5   |        | 8,3   |        |
| Breaking strain of wire rope                     | skg  | 3000  |        | 4800  |        |
| Load safety system                               |      | yes   |        | yes   |        |
| Centrifugal break                                |      | non   | yes    | non   | yes    |

\* For fixed stirrups, ALTA platforms

\* For articulated or fixed stirrups, SUBITO work seats and ALTA-SOLO one man cradles.

# Secure Attachment: Adaptability and Stability

## The suspension jibs

### PORTAFIX® suspension jibs

The mobile PORTAFIX® suspension jibs allow very fast access to the building facades on nearly every flat roof, and, are very easy to install and dismantle.

Solid standing by counterweights and easy transportation thanks to castor wheels.

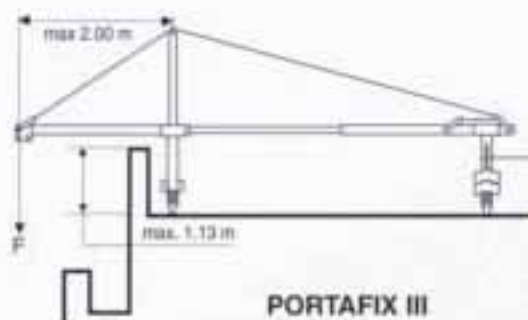


PORTAFIX® III suspension jib

#### PORTAFIX I

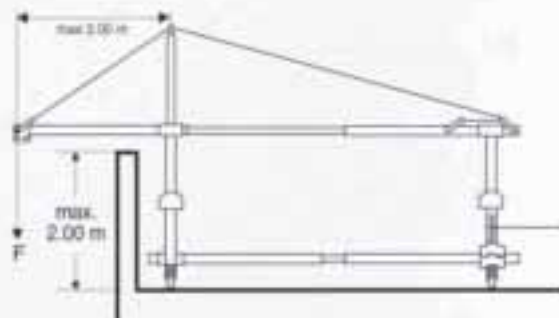


#### PORTAFIX II



PORTAFIX III

#### PORTAFIX IV

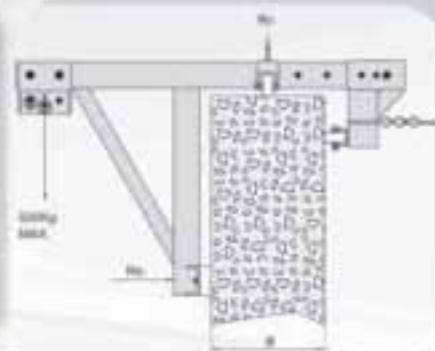


### 2 OMEGA Parapet clamps

When the parapet is sufficiently strong (reinforced concrete etc), OMEGA parapet clamps can be directly attached. Delivered ready for use, with rollers allowing easy transversal motion.



Other tailor-made solutions can be proposed.





# A Common Point - Reliability

## A complete range of accessories



### Wire ropes

Specially developed for their security, resistance and easy maintenance by TRACTEL®, the steel wire ropes can be used with TIRAK®, SCAFOR® and TIRFOR® hoists.

## 2

### Electrical installation

All electrical components and installations conform to current regulations (EN 1808), giving peace of mind, security and minimum maintenance.

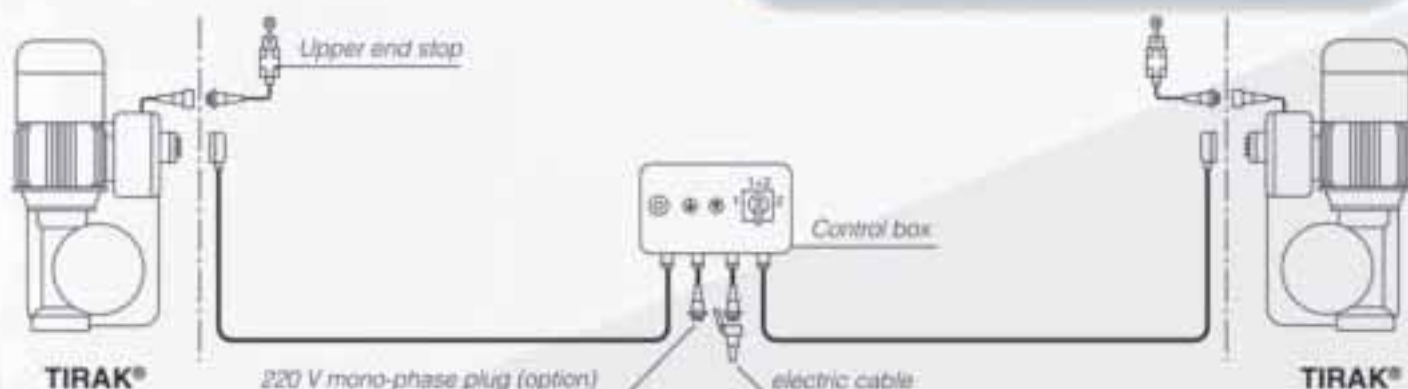
The protection class IP 55 has been adopted for all electrical components ensuring smooth functioning even in difficult climatic environments.

As standard, all commands are centralised in one control box though as an option, a pendant control station exists.

### SECALT® warranties

- An electrical installation designed and built according to EN 1808.
- Highest quality materials
- Easy maintenance

All components are protected IP 55, ensuring smooth functioning even in difficult climatic environments (Tropics, Antarctic, ...).



## 3

### BLOCSTOP® fall arrest device

Responding to the most strict safety regulations, they can easily be attached to most fittings.

The «TIRFOR» jaw type unit fitted in the BLOCSTOP® closes on the suspension wire rope and as it grips over a large area causes no damage to the cable.

### Technical Information

#### Type «BSA» :

Operates automatically when there is slack wire rope or inclined platform.

#### Type «BS» :

Manual releasing of the wire rope.

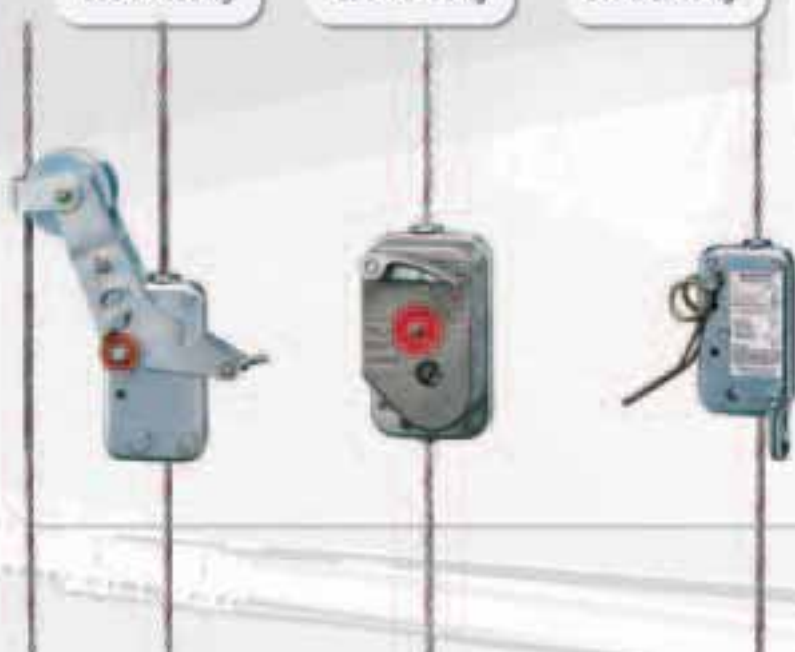
#### Type «BSO» :

Automatic releasing of the wire rope by incorporate overspeed detection.

BSA  
600 à 3200 kg

BSO  
300 à 3000 kg

BS  
500 à 3200 kg



# Challenges : The Power of Know-how

## The SECALT® solution

SECALT® experience allows it to evaluate all challenging suspended access applications, to study, design and propose tailor-made solutions.



*Permanently attached ALTA-SOLD platform to monorail for cleaning*



*2 m ALTA platform on a monorail for cleaning*



*12 ALTA and 10 ALTA-SOLD platforms to rebuild building facade*



*ALTA platform for bridge repair work*





# Access to Suspension Bridges

## High technology at altitude

SECALT® has developed and implemented maintenance platforms on the world's most famous bridges. Our highly skilled and experienced engineers will turn your dreams into reality by designing innovative yet practical solutions.



*Young Jang Bridge Seoul*



*Tinian Bridge Hong Kong*



*Severn Bridge Great Britain*



*Eifel Tower Belgium*

# secalt® : Having the Know-how

## The TRACTEL® Group,

World leader for suspended access systems through its operating company, SECALT S.A., based in Luxembourg, has a long experience in lifting and materials handling, suspended access and fall arrest equipment. SECALT S.A., a driving force in the Group, has over 50 years experience in developing tailor-made solutions for both temporary and permanent suspended access.

The SECALT® name guarantees a complete service :



### Applications & Design

SECALT's highly qualified and experienced engineers have many years experience of designing and developing access solutions to customer specifications.

Using the latest CAD tools, calculation methods and advances in our hoisting solutions (patented TIRAK® hoist) the Design engineers produce innovative, leading edge access solutions.

Customer requirements and safety standouts are always at the heart of the Design team's brief and are constantly updated to fit to the most modern technology and construction design.

### Production and Quality Control

With the aim of total Quality, production is certified to ISO 9001:2000.

### Delivery and After Sales Service

As orders are received from all over the world, SECALT® has developed a fast, responsive organisation. Product standardisation, optimisation of project management and production have led to short delivery times.

Available for all technical or commercial requests, the SECALT® commercial and after-sales teams can respond with very short reaction time.



### Sales location

Around the world, the TRACTEL® companies together with their partners put their know-how and experience at your disposal to ensure a fast and efficient service and to give you complete satisfaction.

For your local TRACTEL® distributor please contact SECALT S.A.

#### SECALT S.A.

3, rue du Fort Dumoulin  
B.P. 1113 • L-1011 Luxembourg  
Tel. : (352) 43.42.42-1 - Fax : (352) 43.42.42-200  
e-mail : info@tractel.com



[www.tractel.com](http://www.tractel.com)