Temporary Access Systems

hoists, platforms, suspension systems and accessories

7 M Platforms,
Barcelona

3 M Platforms,
Luxembourg

3 Platforms, Las Vegas

12 M Platforms, Zaragoza

2M Workcage on Windmill, USA

Tractel Inc.
Griphoist Division

Founded in the 1940's, the Tractel Group, through its worldwide manufacturing and distribution network, provides products and services to the material handling, suspended access and fall protection industries. The Tractel Group has distribution and representation through companies in 16 countries and representatives in every major international market. The Tractel Group employs over 1,000 men and women.

For over 60 years, Tractel has been designing and manufacturing innovative products and solutions for lifting, pulling and supporting all kinds of loads in dynamic environments. With the help of our time and field tested technologies, we have become a world leader in the temporary access market. Our lifting and pulling equipment, such as the Griphoist-Tirfor® and the Tirak®, are known worldwide. Whether your applications require light or heavy-duty equipment, Tractel has the product to get the job done. Our history is our guarantee of quality, making Tractel the trusted name in the industry. For solutions in lifting or pulling, call Tractel.

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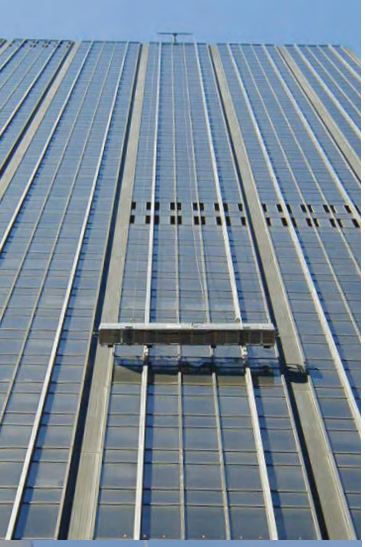


Tirak®

The Industry Standard

- Extremely Durable
- 700 to 4400 lbs. lifting range
- Easily maintained
- Superior Reliability
- 110 to 480 Voltage Range
- Wireless
- Special applications
- Pneumatic and Electric Hoist available
- Pendant control available
- Build in safety features
- 60 Years of hoist manufacturing expertise

XA500

CLASSIFIED C UL US

TIRAK® - Air Hoists									
	Type	XA300P	XA500P	XA700P	LA500	TA1020P	XA1020P	XA2050	XA2650
	Rated Load*** (lbs.)	700	1,000	1,500	1,000	2,000	2,200	4,400	5,300
	Lifting Speed (fpm)	0-35	0-35	0-25	0-33	35	0-20	17	13
	Weight* (lbs.)	62	90	90	62	190	92	220	220
	Consumption	30	53	53	30	78	53	160	160
	Working Pressure (psi)	85	85	85	85	85	85	85	85
Maxiflex W.R.	Diameter	5/16 in. (8.4mm)				3/8 in. (9.5mm)		9/16 in. (14mm)	
	Breaking Strength Min.	10,000 lbs. (44.3 kN)				15,000 lbs. (66.8 kN)		35,000 lbs. (162 kN)	
	Construction	5x19, 4x26, 5x26, or 6x19 with fiber core, performed, galvanized			5x19 or 5x26	5x19, 5x26, 4x26, 6x19 IWRC galvanized		5x26 or 6x26	

*Includes BSO secondary brake
**Wire rope for Canada X700 - 9.5mm, X1020 - 10.5mm
*** Capacities for Canada: 1020 series capacity is 1,800 lbs.: X2050 is 3,500 lbs.
Air and Electric hoist have direct control, remote control available on requests for all hoist

Tirak®

Traction Hoist

XA
300/500/700/1000P
Series

XE 501P

XE 2050

TIRAK® - Electric Hoists											
	Type	**XE301P**	**XE501P**	**XE501PA**	**XE600P**	**LE500**	**LE500**	**LE501**	**TE1020P**	**XE1020P**	**XE2050P**
	Rated Load*** (lbs.)	700	1,000	1,000	1,200	1,000	1,000	1,000	2,000	2,200	4,400
	Lifting Speed (fpm)	33	35	35	35	20	33	33	35	32	24
	Weight* (lbs.)	82	121	109	112	84	73	84	174	123	185
	Type kW	.55	1.1	1.1	1.5	.55	1.0	1.0	2.2	2.4	3.1
	Voltage	110 (220)	110 (220)	220	220	110	220	220	200	220	220
	Amperage	10.5 (5.2)	19.5 (9.5)	9.5	6.1	10.5	4.8	6.8	9.4	10	16
	Phase (3 phase)	single (three)	single (three)	single	three	single	three	single	three	three	three
Maxiflex W.R.	Diameter	5/16 in. (8.4mm)							3/8 in. (9.5mm)		9/16 in. (14mm)
	Breaking Strength Min.	10,000 lbs. (44.3 kN)							15,000 lbs. (66.8 kN)		35,000 lbs. (162 kN)
	Construction	5x19, 4x26, 5x26, or 6x19 with fiber core, performed, galvanized				5x19 or 5x26			5x19,5x26,4x26,6x19 IWRC galvanized		5x26 or 6x26

*Includes BSO secondary brake
**Wire rope for Canada X700 - 9.5mm, X1020 - 10.5mm
*** Capacities for Canada: 1020 series capacity is 1,800 lbs.: X2050 is 3,500 lbs.
Air and electric hoist have direct control, remote control available on requests for all hoist

Scafor® & Tirfor®

Manual Hoist

As an economical alternative to motorized hoists, we offer the UL classified **GRIPHOIST®** / **TIRFOR®** and **SCAFOR®** manual hoists.

Our **GRIPHOIST®** / **TIRFOR®** is the original wire rope hoist, designed to raise and lower your platform with a simple-to-use telescopic handle. The TU-Series **GRIPHOIST®** / **TIRFOR®** is UL Classified for use as a scaffold hoist. And every model uses high quality galvanized wire rope that resists kinks and bird cages that could foul the internal mechanism.

The manual **SCAFOR®** hoist, which was developed to give maximum security and ease of use at the same time, fits our one man platforms, work seats and other platforms, as it can easily be fitted to any stirrup.

Scafor model 408

TU-17 Griphoist w/ anchor bar

Model	unit	TU-17	TU-28	TU-32	Scafor 408
Rope travel/ stroke lifting	in.	2	1.4	.5	3
Nominal capacity	lbs. (kg)	1,500* (600)	3,000* (1,200)	6,000* (2,400)	880 (400)
Machine weight	lbs. (kg)	18.5 (8.4)	41 (20)	59.5 (27)	23 (10)
Wire rope weight	lbs. (kg)	30ft./9m 8 (3.6)	60ft./18m 28.9 (13)	30ft./9m 8 (3.5)	N/A
Machine dimensions	in. (mm)	203/4 x 93/4 x 41/2 (825 x 284 x 113)	26 x 13 x 5 3/4 (660 x 360 x 145)	27 x 13 x 6 1/8 (685 x 365 x 156)	N/A
Handle ext./closed	in. (mm)	28/18 (730/450)	45/26 (1147/648)	45/26 (1147/648)	N/A
Wire rope dia.	in. (mm)	5/16 (8.3)	7/16 (11.5)	5/8 (16.3)	5/16 (8.3)
Min. W.R. breaking strain	lbs. (kg)	10,000 (4,500)	20,000 (9,000)	40,000 (18,000)	10,000 (4,500)

*capacity for manriding (conversions are approximate)

Blocstop®

♦ Overspeed Safety Device

When manriding is concerned, no safety measure can be considered excessive; that is why the usage of the **BLOCSTOP®** is required with the **GRIPHOIST® / TIRFOR®**. The safety device consists of a brake mechanism formed by a pair of self clamping jaws pressed against each other by a powerful spring and enclosed casing. **BLOCSTOPS®** are UL classified as independent secondary brakes. Responding to the most strict safety regulations, they can easily be attached to most fittings. The Tirfor jaw type unit feting the Blocstop closes on the suspension wire rope and as it grips over a large area causes no damage to the cable.

BSO Automatic Secondary Brake - Automatically releasing of the wire rope by incorporate overspeed detection

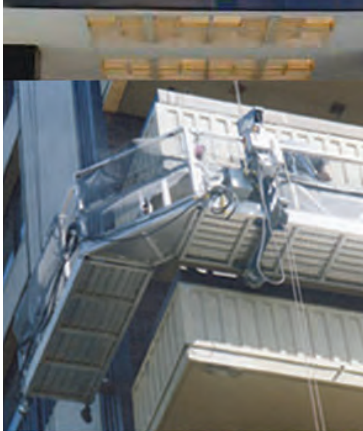
Model	Unit	BSO 500	*BS/BSO 500	BSO 1020	BSO 2050	BSO 3060
Rated Load	lbs. (kg)	1,500 (500)	1,500 (500)	2,400 (800)	5,300 (2,400)	6,600 (3,000)
Wire Rope Dia.	in. (mm)	5/16 (8.3)	5/16 (8.3)	3/8 (9.5)	9/16 (14)	5/8 (16.3)

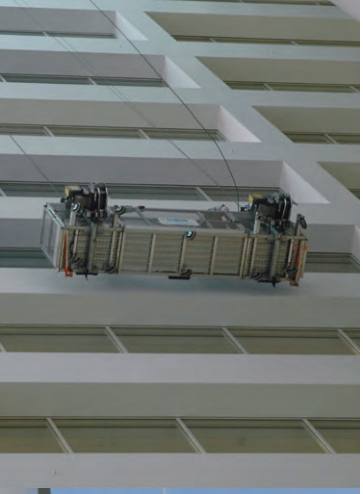
*for double wire rope systems electrical cut-offs available
*All models

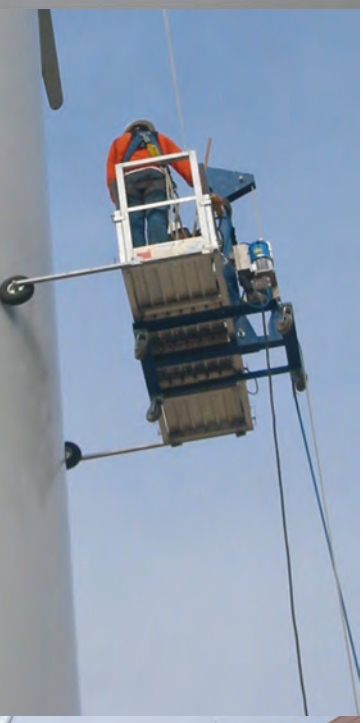
BS Manual Secondary Brake - Manual releasing of the wire rope.

Model	Unit	BS 15.301	BS 20.301	BS 35.30
Rated Load	lbs. (kg)	1,500 (680)	3,000 (1,360)	6,000 (2,720)
Wire Rope Dia.	in. (mm)	5/16 (8.3)	7/16 (11.5)	5/8 (16.3)

safety factor: 6:1 when operating under the rated capacity loads
BS 15.301 - New York State B.S.A. approval 6563



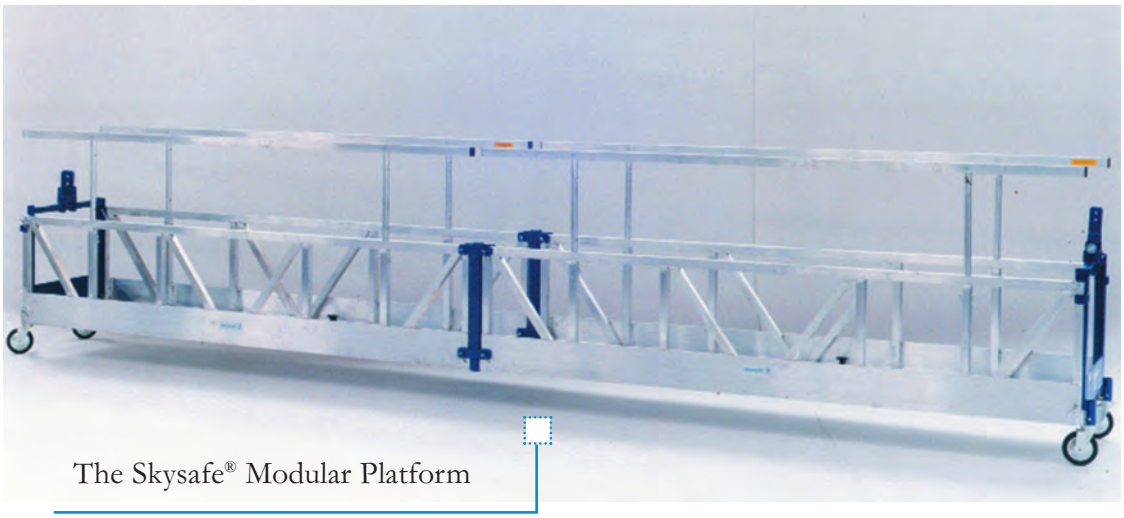




Skysafe®
Modular Platform Systems

Skysafe® modular and knockdown suspended scaffolding provides a stable, secure platform for any work being done on highrise buildings, tall structures and bridges. These sturdy, yet lightweight platforms are great for window cleaning, brick and masonry restoration, painting, maintenance, inspection and other jobs.

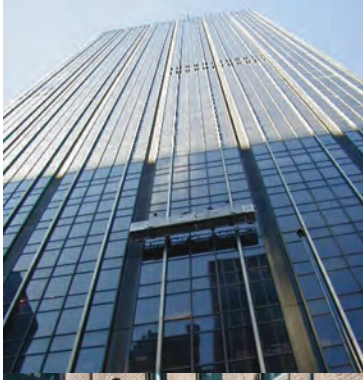
As a modular system, platforms can be easily assembled in multiple configurations from 6'6" to 59'. Built from extruded aluminum with steel end stirrups or intermediate stirrups, the MP03 platforms resist corrosion and harsh environmental conditions. Swingstage modular platforms



The Skysafe® Modular Platform

- **Available in Rigid and Knockdown configurations**
- **Knockdown consist of only three major parts**
- **Easy assembly**
- **Knockdown will fit into opening as small as 30"**

Skysafe®
Scaffold Platform



Five Reasons to Use Skysafe® Platforms...

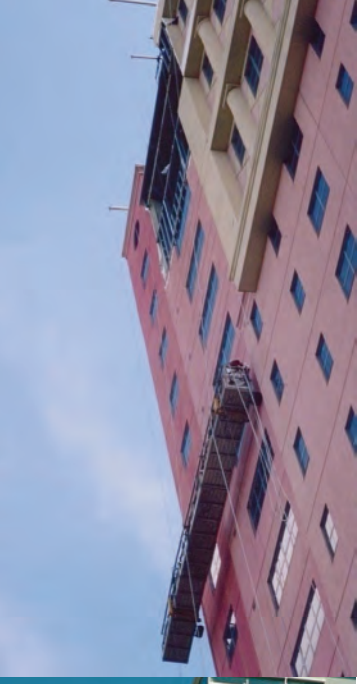
Flexibility	Unlike fixed length platforms, you can mix and match sections to build your platform - up to 59' long!
Cornering	Add engineered corner sections or angles for working on tanks, bridge piers or towers
Cantilever	Use intermediate stirrups (also know as walk-through stirrups) and extend your platform up to 6'6" past the suspension point to access hard-to-reach corners.
Speed	Our platforms are fast to set-up with ball-lock and gravity pins... There are no tools required!
Stability	For greater security while moving and working on the platforms. Our platform section won't let you down.

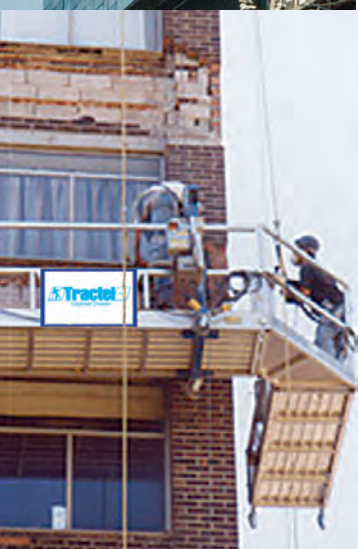
...A few more reasons to choose Skysafe® Platforms

Full range of accessories	Our platforms have fewer parts and require no tools for fast and easy installation on the jobsite.
Easy to Transport	Since our platforms are considerably lighter than our major competitors, our product will cost you less to transport and require fewer workers to rig and install.
Universal Stirrups	Our stirrups will accommodate all major powered and manual traction hoists.

...One more great reason to use Skysafe® platforms

Skysafe® modular platforms, Tirak® hoists and other scaffolding products from Tractel® are available for purchase. All of our sales personal will help you select the suspended scaffolding equipment you need.





Skysafe® Scaffolding

Modular Configurations

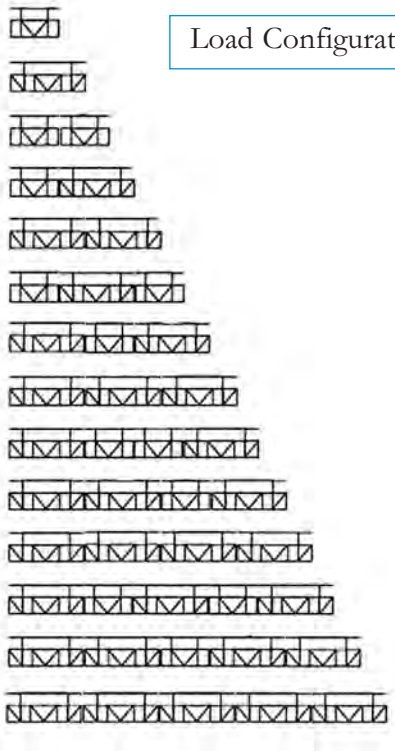
End Stirrups

Lightweight, easy-to-install, with carrying handle and large casters for easy mobility

Constructed of steel, the End Stirrups is designed for fast and easy set-up. (two types of end stirrups are available, galvanized or painted).

Load Configuration Chart

ft.	m	lbs.
6.5	(2)	750
10	(3)	750
13	(4)	1000
16.5	(5)	1250
20	(6)	1500
22	(7)	1500
26	(8)	1500
29.5	(9)	1500
33	(10)	1250
36	(11)	1000
39.5	(12)	1000
42.5	(13)	750
46	(14)	750
49	(15)	750



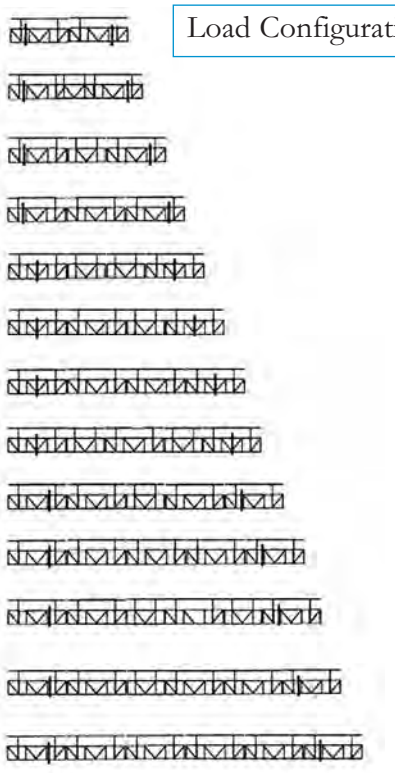
Intermediate Stirrups

For longer platforms and higher load capacities extends past connection point

Constructed of steel and designed for maximum strength. Large neoprene casters provide easy mobility on jobsites.

Load Configuration Chart*

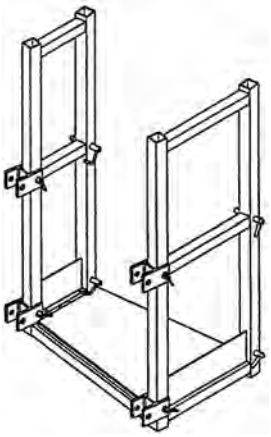
ft.	m	lbs.
20	(6)	1500
22.8	(7)	1500
26	(8)	1500
29.5	(9)	1250
33	(10)	1000
35	(11)	1000
39.5	(12)	1000
42.5	(13)	1000
46	(14)	1000
49	(15)	750
52.5	(16)	750
56	(17)	750
59	(18)	750



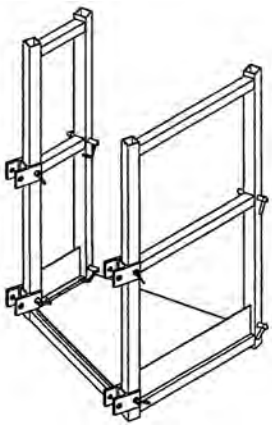
*500 lbs. allowable load on cantilever

Skysafe® Corner Sections

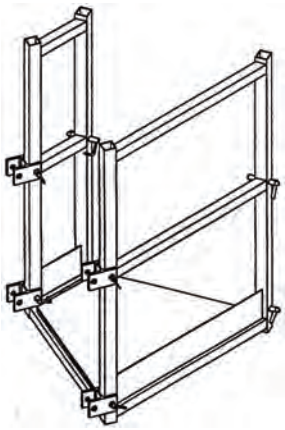
- **Engineered corner sections for working on buildings, tanks, bridge piers or towers.**



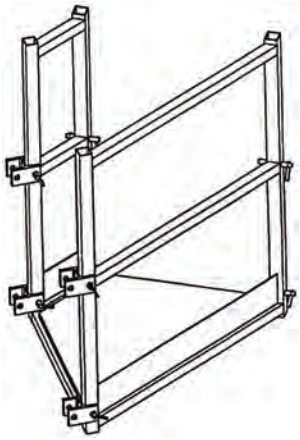
15 degree



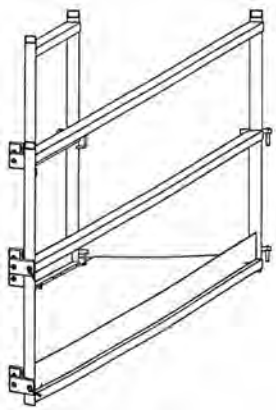
30 degree



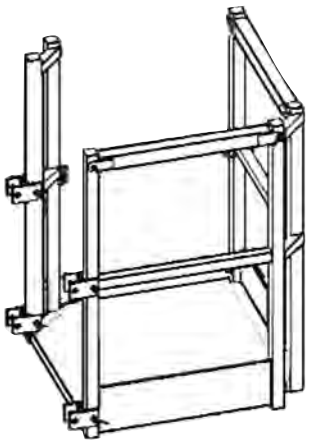
45 degree



60 degree

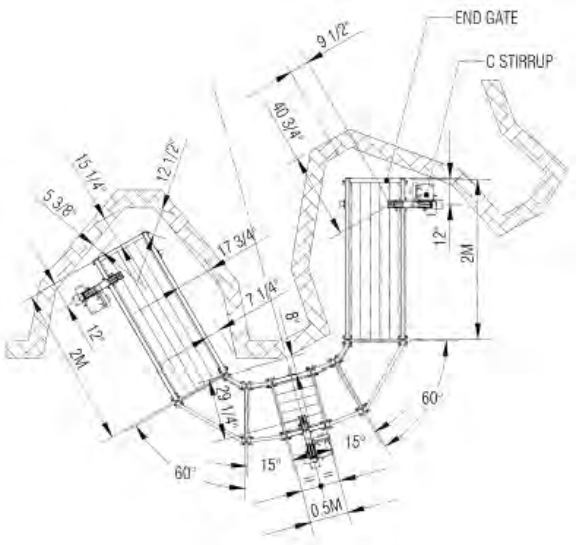


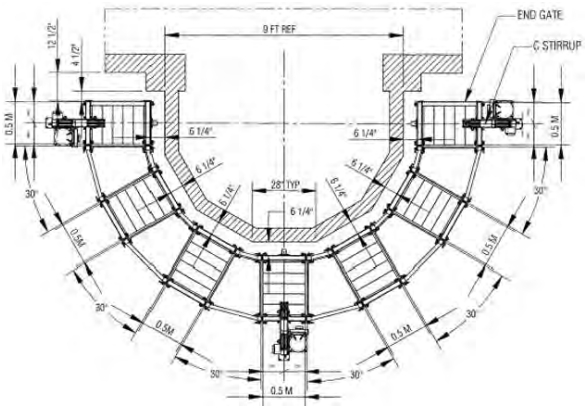
90 degree



90 degree
Extended Corner

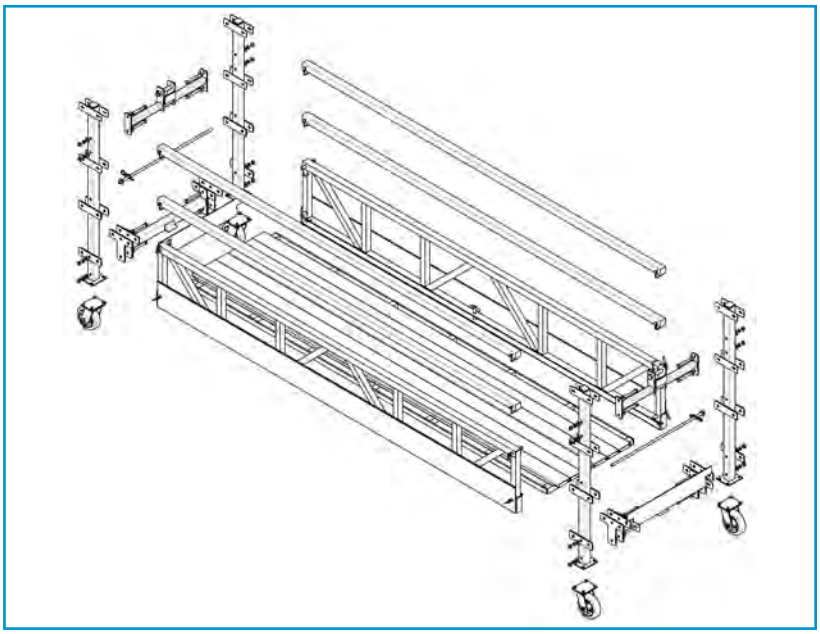
Custom Platform Configurations

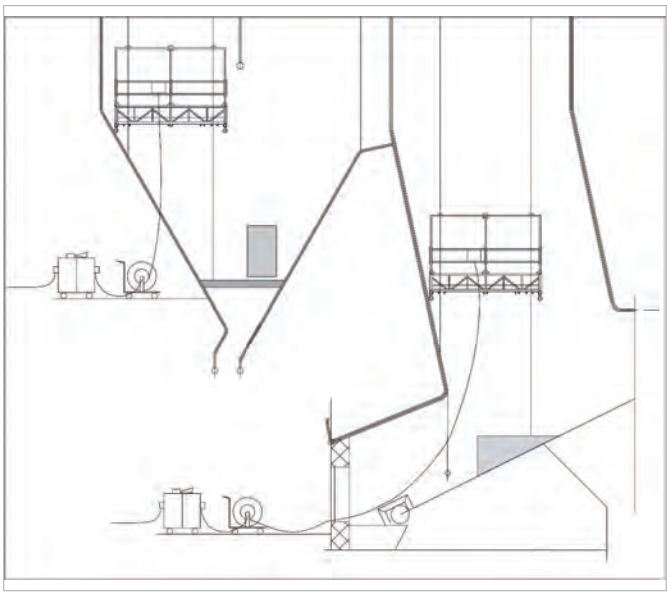




Thrusafe
Boiler Platform

- Completely collapsible, can fit through 16 inch diameter openings
- Available in 1, 2, or 3 meter lengths
- 750 to 1500lbs. rated capacity
- Stirrups include castor's
- One piece hinged floor
- Gravity Pins for quick connections
- Maximum length up to 49 feet



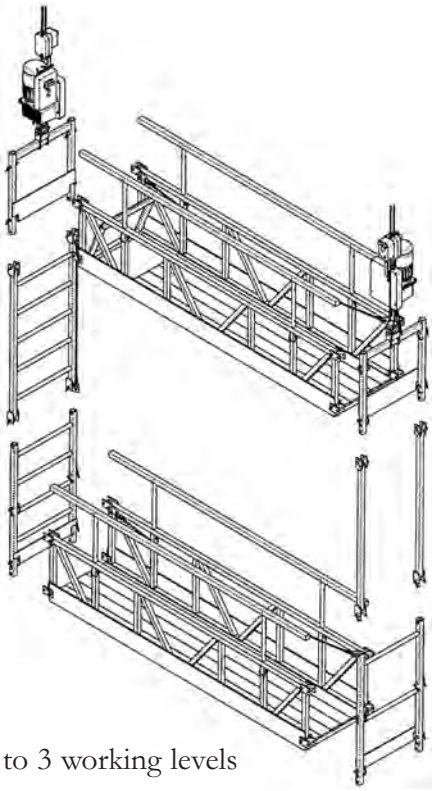


Multi-tier

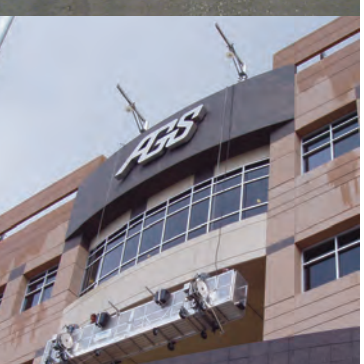
Double Decked Platform

This rigid Skysafe Platforms can be utilized to provide a multi-level platform for metal claddings and other construction uses that require workers to be positioned on different levels.

Designed with full fall protection including vertical fall protection for safe movement between levels and horizontal trolley lines on each level. Skysafe is the only multi-level platform providing such fall protection.



- Up to 3 working levels
- Steel stirrups and hangers
- Self closing hatches
- Integral ladder on one end
- Engineered modular horizontal lifelines
- Vertical fall protection when changing levels
- 3 hanger sizes available, 9' - 12' - 15' (2.7M - 3.66M - 4.57M) deck to deck height
- Rated load up to 500 lbs. per level
- No special tools required for assembly
- Can be fitted with Tirak or most hoist with secondary wire rope device
- Telescopic guardrails for easy storage and adjustment



Skysafe® Platform

Accessories

Power Cord Assembly

Power Supply Yoke w/ molded Y (220V/1phase)40 ft.

Duo meter gives you direct voltage & Amp in-line reading

Booster Transformer 4 KVA

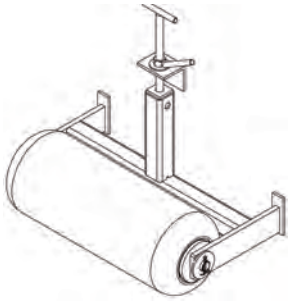
Galvanized Maxiflex Available in Bulk or Wire Rope Assembly

- **Carrying reel**
- **Swaged fitting**
- **Heavy duty thimble**
- **Welded tip**
- **Hook or shackle**
- **Bulk rope**
- **Hook or shackle**

Roller Bumper

Most structures require roller bumpers to keep the platform from damaging the facade. They can be placed in multiple positions along the platform.

- **Heavy Duty, lasts longer, non streaking**



Arc Guard

Welding Kit

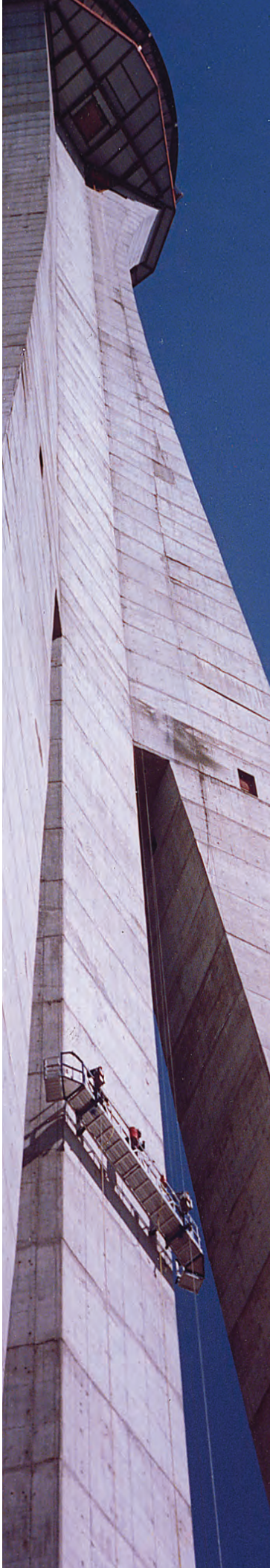
The Arc guard kit is required by OSHA when welding on a platform (standard 1926.451 (f) (17) (IV)). The Arc Guard components are durable and easy to install.
In case the wire rope is burned underneath the stage, the bottom hose is clear to see wire rope entering tirak while descending.

	Hoist Components Protects Tirak™ from welding debris and splatter. This item is available for Electric or Pneumatic powered hoists.
	Ground Assembly 6 ft. - 2/0 wire, 500A Welding Clamp, 800A Magnetic Welding Clamp & Kellums Grip.
	Top Assembly ID insulated tubing to protect wire rope located above the hoist.
	Bottom Assembly Split Tube with Velcro wraps and suspension u-bolt to protect wire rope located below the hoist.
	Insulated Wire Rope Thimble Insulates wire rope from rigging point.

Drop Thru Stand

The Drop Thru Stand is for temporary access via drop thru holes in balconies, rooftops, water tank platforms and other applications.

- **1,500 lbs. Capacity**
- **Up to a 5” diameter hole**
- **Can be used with wire ropes or lifelines**



Quick & 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.

Heavy Duty Workcage
w/ optional extensions

Fiberglass Bosun Chair

- 2 in. x 6 in. diameter hard tires (removable)
- Single wire rope

Model	Unit	Heavy Duty Workcage	MPO3	Bosun's Chair
Size	in. (mm)	34.5 x 29 x 96 (876 x 737 x 2,438)	1M or 2M	18 x 27 x 72 (457 x 610 x 1,829)
Rated Load	lbs. (kg)	1,000 (454)	500 (250)	250 (125)
Weight	lbs. (kg)	140 (64)	235 to 270 (4 components)	60 (27)

Workcage Stirrup with 1m MP03 (2m also available)

Secure Attachment:

Portafix & Parapet Clamp

Our **PORTAFIX**® suspension beams have been designed specially for use with our **SKYSAFE**® suspended platforms.
They may also be used for suspending other types of platforms.

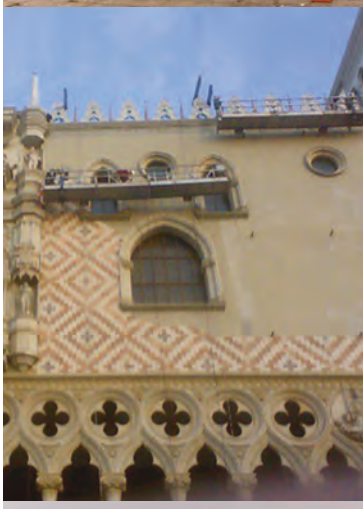
Heavy Duty Construction: Won't wear out. Perfect for rental fleets.
Modular Design: Allows for progressive build up of a system. From flat roofs to 4' parapet clearance to extended outreach.
Telescopic Beam System: Allows for adjustment of beam length to accommodate different roof obstructions.
Proven Design: It is the design others copy.

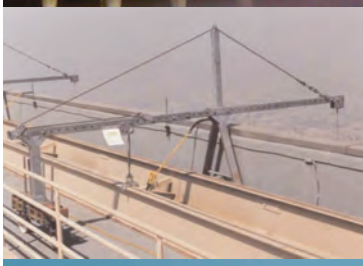
	Parapet Clearance	Outreach
Portafix II	4 ft. (1.2m) vertical clearance	4 ft. (1.2m) at 700 lbs. (320kg) or 3 ft. (0.9m) at 1,000 lbs. (450kg)
Portafix III	4 ft. (1.2m) vertical clearance	7 ft. (2.1m) at 700 lbs. (320kg) or 5.5 ft. (1.7m) at 1,000 lbs. (450kg)
Portafix IV	6 ft. (1.8m) vertical clearance	7 ft. (2.1m) at 700 lbs. (320kg) or 5.5 ft. (1.7m) at 1,000 lbs. (450kg)

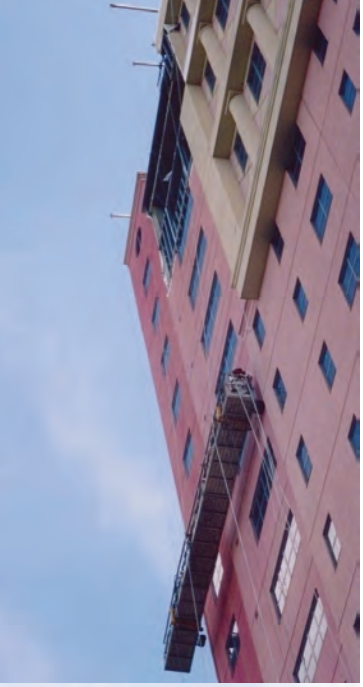
Aluminum Parapet Clamp

When the parapet is sufficiently strong (reinforced concrete etc.) our parapet clamps can be directly attached. Delivered ready to use.

- 1,500 lbs. rated load
- Meets ANSI/SSFI SPS1.1
- Parapets 4" to 25" wide
- Weights 53 lbs.
- Can be used with two wire ropes (separate lifeline needed)

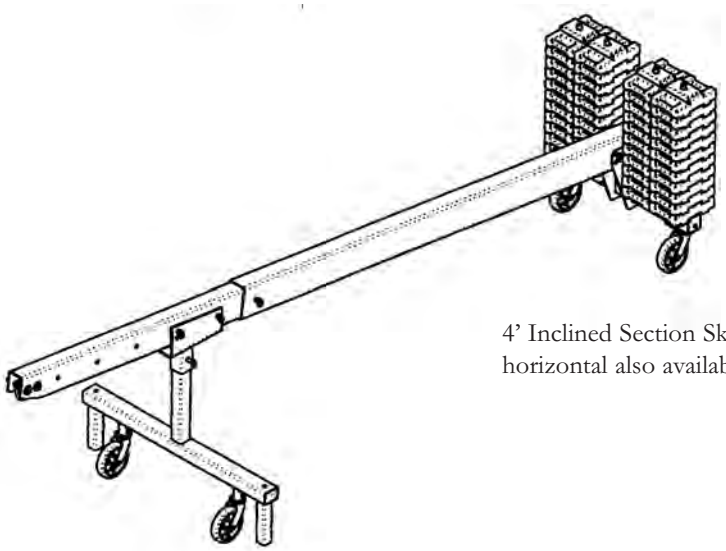






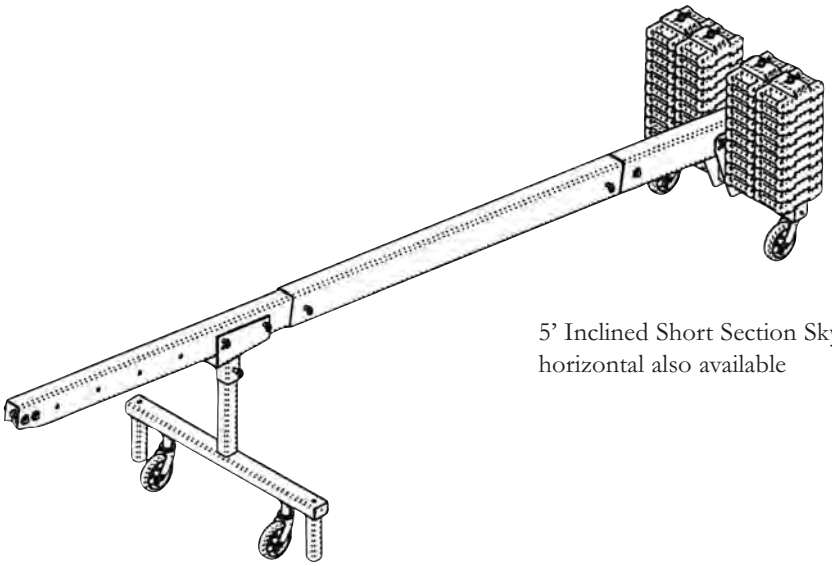
Skybeam

Adaptability and Stability



4’ Inclined Section Skybeam
horizontal also available

- **Fewer Parts:** Easy to place on the roof and assemble
- **Lightweight:** All aluminum beam sections
- **Stacking counterweight system:** Allows for secure placement of counter-weights
- **Telescopic Jib:** Allows for adjustment of overall suspension beam length.



5’ Inclined Short Section Skybeam
horizontal also available

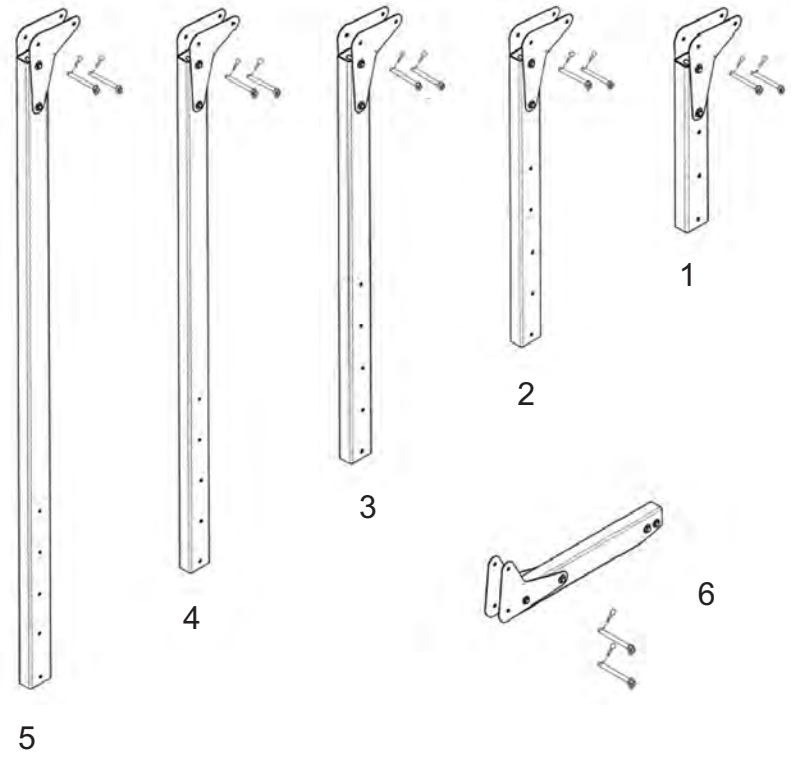
- **Counterweight options: PORTAFIX** stacking type or I beam slide on type
- **10 ft. beam:** Allows up to 8 ft. reach.
- **8 ft. beam:** Shorter beams for mobility, offer up to 5’ reach.
- **Accepts a “Down and Under":** Modular attachment allows for suspension to be down and back for applications where building face.

Down and Under

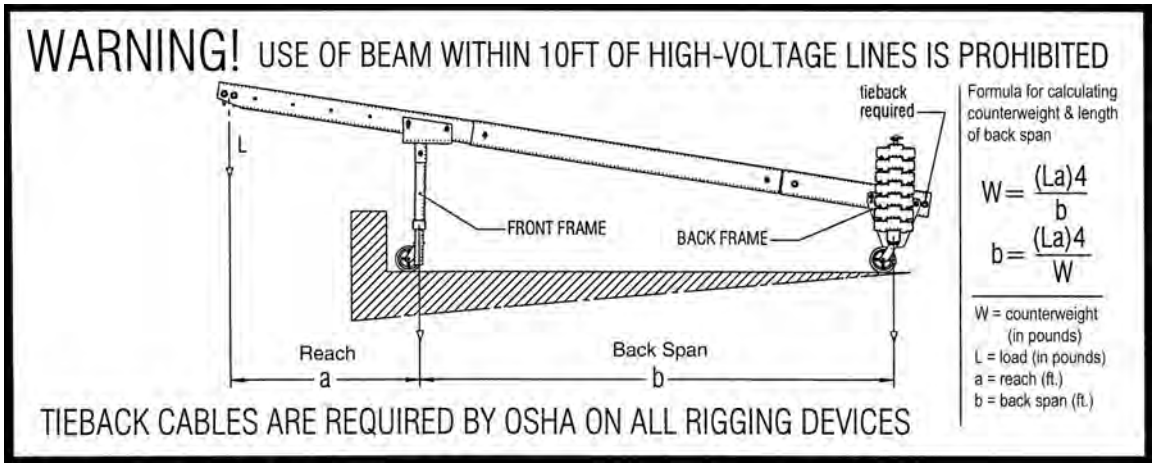
Components for under roof extension

- **Adaptable vertical lengths up to 15 ft.**
- **Lightweight for easier mobility**
- **Easy access for under lipped parapet**
- **Maximum capacity of up to 1000 lbs.**

1 - 3 feet
2 - 6 feet
3 - 9 feet
4 - 12 feet
5 - 15 feet
6 - 4 feet



Counterweight Formula

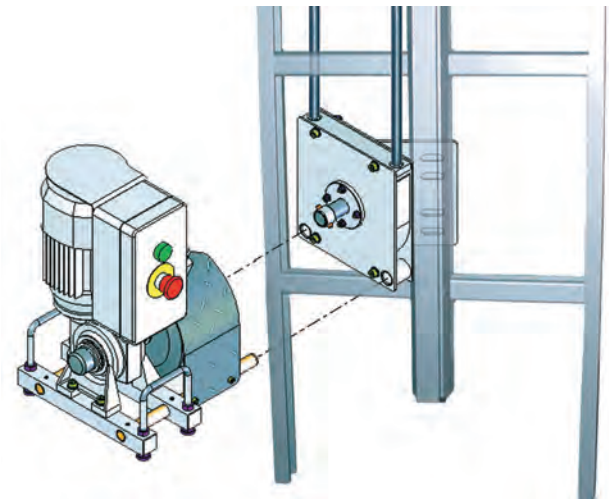


Tractelift

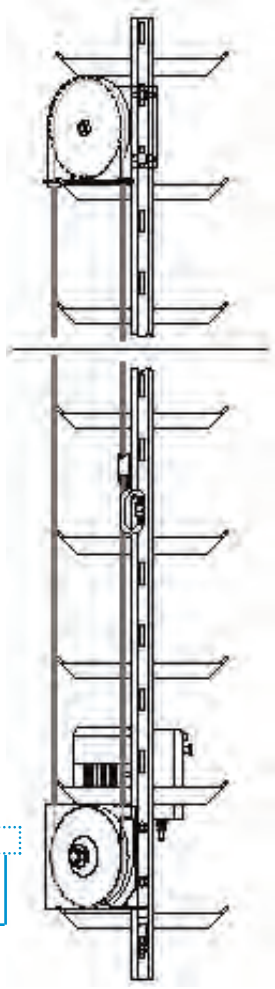
- Relieves 88 lbs of weight
- Less stress on arms and legs
- The heart beat keeps closer to rest level
- After finishing the ascent, the need to rest is decreased
- The danger of incidents due to exhaustion is most effectively reduced

Model S - for Standard ladders

Diverter unit for
round rungs



Model D - Detachable motor unit



Model M - Middle pole ladders

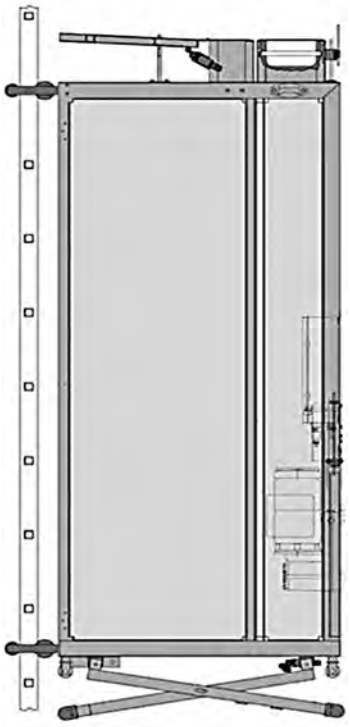
Service Lift

inside the masts

For giving access inside the masts, in close co-operation with the system manufacturers, we develop service lifts "made to measure", all of them profiting from the wire rope driven principle of the Tirak man-riding hoists.

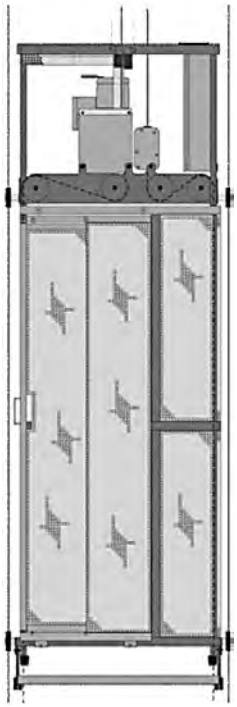
The hoist is quiet and lightweight and only requires a minimum amount of space. There is no wire rope weight which reduces the capacity of the lift. It is constructed for two people and their tools.

Service Lift: Ladder guided



Weight	**170 kg**
Load	**240 kg**
Hoist	**L502P**
Blocstop	**BSO 1000**
Rope	**Ø 8mm**
Speed	**18 m/min**

Service Lift: Rope Lift



Weight	**170 kg**
Load	**240 kg**
Hoist	**L502P**
Blocstop	**BSO 1000**
Rope	**Ø 8mm**
Speed	**18 m/min**

Fallstop®

Fall Protection Products

Our extensive knowledge of the Access industry allows us to offer a complete solution of fall protection products and the ability to develop products specific to the industry.

Versafit harness

Stopfor® B rope grab with or without park feature

Tractpac shock-absorbing lanyards

Blocfor® self-retracting lanyard

Splice-safe provides field termination splice

Lifelines

Tractel offers a complete range of fall protection equipment including:

- **Harnesses**
- **Lanyards**
- **Belts**
- **Connectors**
- **Anchorage connectors**
- **Rope grabs & lifelines**
- **Load arrestors**
- **Kits**
- **Controlled rescue systems & accessories**
- **Confined space systems**
- **Horizontal lifeline systems**
- **Ladder safety system**
- **Tie-back anchors**
- **Rescue products**

TRACTEL:

Access to the most inaccessible areas

For quick intervention at all heights

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

For safely transporting people, tools and equipment.
It is an all in one modular platform, avoiding the need for a crane.

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

TRACTEL offers a large range of suspended working platforms.
(Rigid, Knockdown Multi-tier and Thrusafe)

3 - 12 M Platforms

3 M & 6 M Platforms

6 M & 10 M Platforms

Fallstop® Protection

Tractel®, Fallstop® Division, offers a complete fall protection system, from full body harnesses and landyards to patented devices such as the Travsafe® lifeline system, the Blocfor® selfretracting lifeline and the Stopfor® rope grabs. Our equipment is engineered and manufactured to meet and exceed the highest standards in the industry.

Material Handling Equipment

Tractel®, Griphoist® Division, offers a complete line of material handling products, including the **BRAVO®** & **TRALIFT®** chain hoists, **GRIPHOIST®** /**TIRFOR®** wire rope hoists, **PIONEER®** pallet trucks, **DYNAFOR®** load indicating devices, and much more. For more information or specifications on any one of these products, please contact a customer service representative.

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