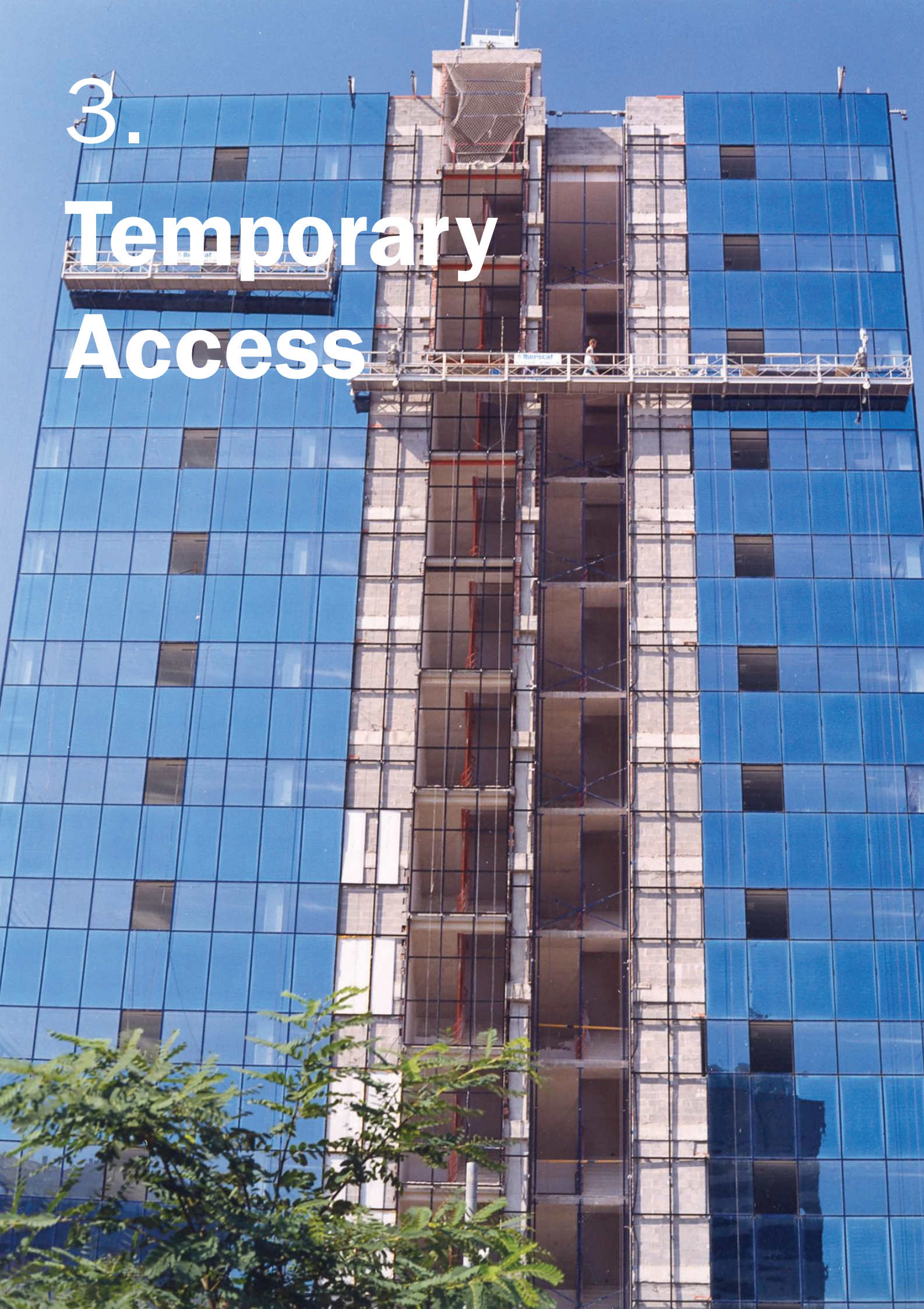


3.

Temporary Access





Manriding Tirak

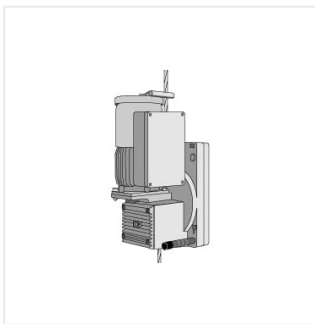


Wherever you need to transport people, the highest safety standards are regulated by law. Certified by an independent notified body in accordance with EN1808, the Tirak meets all these requirements and forms the heart of many access systems.

Advantages of the Tirak hoist:

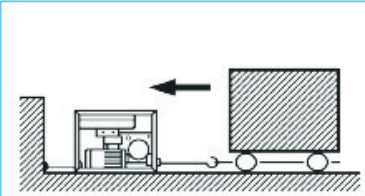
- Universal use and ideal wherever systems with persons have to be lifted
- Compact dimensions and low weight make simple handling possible and simplify the integration of the Tirak into your own applications to increase productivity and efficiency.
- The low weight of the Tirak enables a higher payload of the system.

A complete range of Tirak models offers payloads from less than 300kg up to 2000kg for Manriding applications.



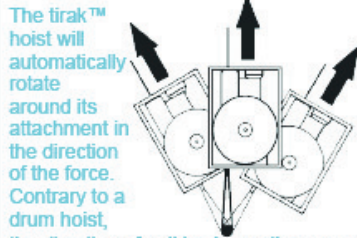
Tirak application & codes

ANCHORED TO THE FRAME



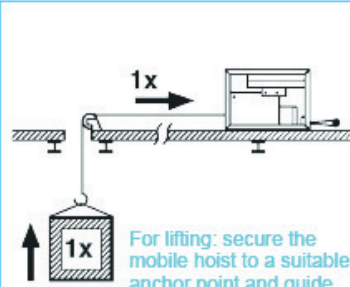
Secure the mobile hoist to a suitable anchor point by using a sling, chain or other securing method and you will be ready to start working.

ORIENTATION



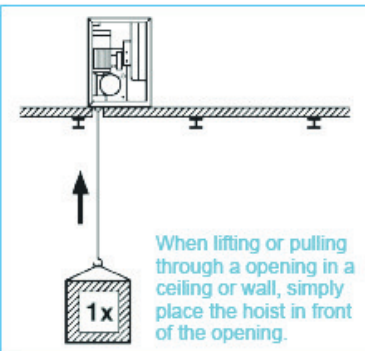
The tirak™ hoist will automatically rotate around its attachment in the direction of the force. Contrary to a drum hoist, the direction of pull is always the same because of the steady wire rope output. In addition, the speed and force are constant.

LIFTING LOADS



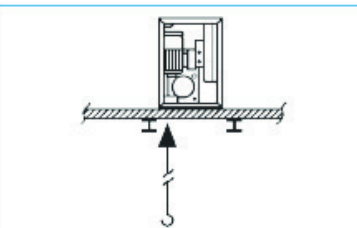
For lifting: secure the mobile hoist to a suitable anchor point and guide the wire rope through 1 or more sheave blocks.

DIRECT LIFTING OR PULLING



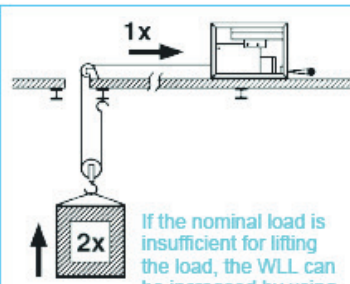
When lifting or pulling through a opening in a ceiling or wall, simply place the hoist in front of the opening.

POSITIONING



If the opening is not large enough for the hook, first position the hoist and guide the wire rope with the tip through the opening and into the Tirak™.

LIFTING AND REEVING

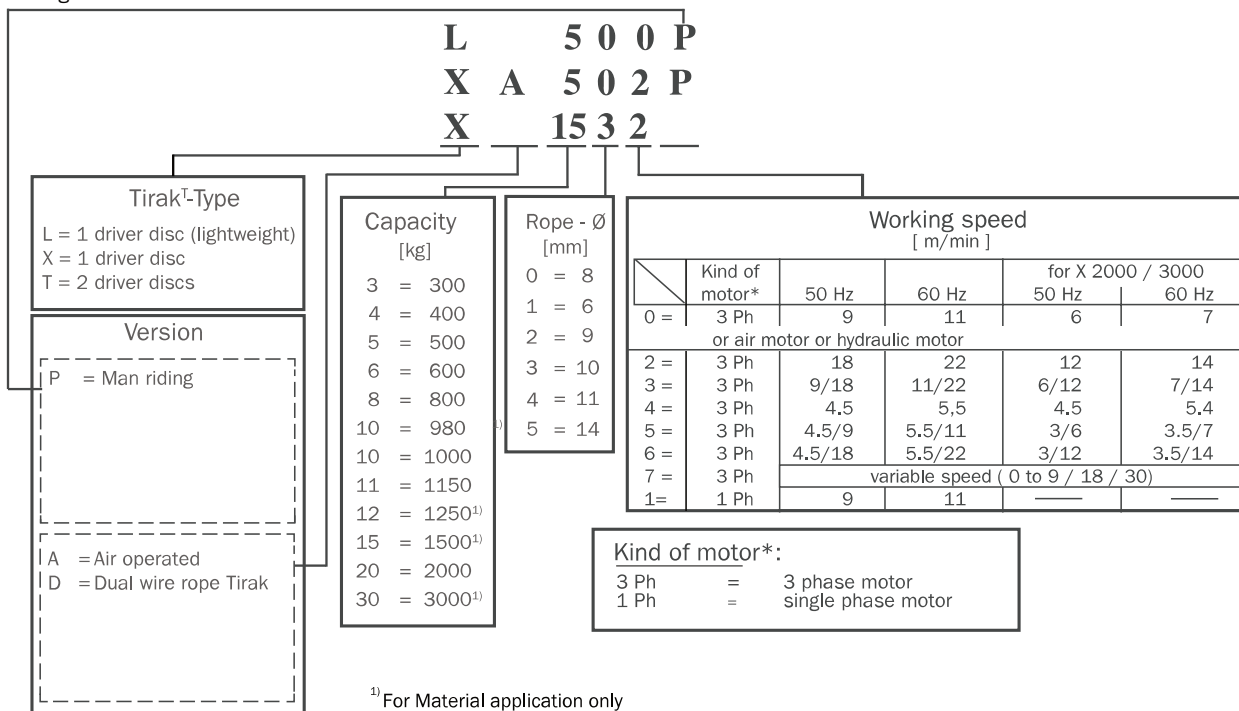


If the nominal load is insufficient for lifting the load, the WLL can be increased by using a number of blocks/sheaves.

TYPE CODING STRUCTURE, INFINITE POSSIBILITIES

CUSTOMISATION

- Each Tirak is assembled and produced in accordance with customer requirements. We will be happy to advise and support you while assembling the optimal Tirak for your application.
- Type coding structure



Tirak manriding hoist with pendant control

WLL 300kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X300P	8	9	400	50	2	28	hard-wired pendant control	290899
X300P	8	9	400	50	2	28	pluggable pendant control	290909
X301P	8	9	230	50	5	29	hard wired pendant control	290919
X301P	8	9	230	50	5	29	pluggable pendant control	290929
X302P	8	18	400	50	3,0	28	hard wired pendant control	290939
X302P	8	18	400	50	3,0	28	pluggable pendant control	290949

WLL 400kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X400P	8	9	400	50	2,5	29	hard wired pendant control	290959
X400P	8	9	400	50	2,5	29	pluggable pendant control	290969
X401P	8	9	230	50	6,1	38	hard wired pendant control	290979
X401P	8	9	230	50	6,1	38	pluggable pendant control	290989
X402P	8	18	400	50	3,8	32	hard wired pendant control	290999
X402P	8	18	400	50	3,8	32	pluggable pendant control	291009
X403P	8	9/18	400	50	2,2/4,5	37	hard wired pendant control	291019
X403P	8	9/18	400	50	2,2/4,5	37	pluggable pendant control	291029

WLL 500kg (see next page for remainder)

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
L500P	8	9	400	50	2,5	29	hard wired pendant control	291039
L500P	8	9	400	50	2,5	29	pluggable pendant control	291049
X500P	8	9	400	50	3,1	41	hard wired pendant control	291059
X500P	8	9	400	50	3,1	41	pluggable pendant control	291069
X501P	8	9	230	50	7,6	49	hard wired pendant control	291079
X501P	8	9	230	50	7,6	49	pluggable pendant control	291089

For Tirak accessories please see page 329

Additional information:

- Complete machine delivered with a CE declaration,
- Delivered with 1m power supply cable,
- Ultimate upper limit switch and upper limit switch (redundancy as per EN1808:2015) built on tirak and hard wired
- CE Logo on type label

Tirak manriding hoist with pendant control

WLL 500kg (see previous page for remainder)

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X502P	8	18	400	50	5,5	44	hard wired pendant control	291099
X502P	8	18	400	50	5,5	44	pluggable pendant control	291109
X503P	8	9/18	400	50	3,7/6,6	51	hard wired pendant control	291119
X503P	8	9/18	400	50	3,7/6,6	51	pluggable pendant control	291129

WLL 600kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X600P	8	9	400	50	4,3	53	hard wired pendant control	291139
X600P	8	9	400	50	4,3	53	pluggable pendant control	291149
X601P	8	9	230	50	10	58	hard wired pendant control	291159
X601P	8	9	230	50	10	58	pluggable pendant control	291169
X602P	8	18	400	50	4,8	57	hard wired pendant control	291179
X602P	8	18	400	50	4,8	57	pluggable pendant control	291189
X603P	8	9/18	400	50	4,5/8,7	66	hard wired pendant control	291199
X603P	8	9/18	400	50	4,5/8,7	66	pluggable pendant control	291209
X620P	9	9	400	50	4,3	53	hard wired pendant control	291219
X620P	9	9	400	50	4,3	53	pluggable pendant control	291229
X621P	9	9	230	50	10	58	hard wired pendant control	291239
X621P	9	9	230	50	10	58	pluggable pendant control	291249
X622P	9	18	400	50	4,8	57	hard wired pendant control	291259
X622P	9	18	400	50	4,8	57	pluggable pendant control	291269
X623P	9	9/18	400	50	4,5/8,7	66	hard wired pendant control	291279
X623P	9	9/18	400	50	4,5/8,7	66	pluggable pendant control	291289

For Tirak accessories please see page 329

Additional information

- Complete machine delivered with a CE declaration,
- Delivered with 1m power supply cable,
- Ultimate upper limit switch and upper limit switch (redundancy as per EN1808:2015) built on tirak and hard wired
- CE Logo on type label

Tirak manriding hoist with pendant control

WLL 800kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X820P	9	9	400	50	4,5	47	hard wired pendant control	291299
X820P	9	9	400	50	4,5	47	pluggable pendant control	291309
X823P	9	9/18	400	50	5,5/9,5	53	hard wired pendant control	291319
X823P	9	9/18	400	50	5,5/9,5	53	pluggable pendant control	291329

WLL 1000kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X1030P	10	9	400	50	5,6	47	hard wired pendant control	291339
X1030P	10	9	400	50	5,6	47	pluggable pendant control	291349
X1033P	10	9/18	400	50	5,4/10	58	hard wired pendant control	291359
X1033P	10	9/18	400	50	5,4/10	58	pluggable pendant control	291369

WLL 1150kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X1140P	11	9	400	50	5,6	47	hard-wired pendant control	295939

WLL 2000kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Description	Product Code
X2050P	14	6	400	50	6	100	hard wired pendant control	291379
X2050P	14	6	400	50	6	100	pluggable pendant control	291389
X2052P	14	12	400	50	10,3	117	hard wired pendant control	291399
X2052P	14	12	400	50	10,3	117	pluggable pendant control	291409
X2058P	14	18	400	50	17	145	hard wired pendant control	291419
X2058P	14	18	400	50	17	145	pluggable pendant control	291429

For Tirak accessories please see page 329

Additional information:

- Complete machine delivered with a CE declaration,
- Delivered with 1m power supply cable,
- Ultimate upper limit switch and upper limit switch (redundancy as per EN1808:2015) built on tirak and hard wired
- CE Logo on type label

Tirak

with connection at central control box WLL 300kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X300P	8	9	400	50	2	28	188189
X301P	8	9	230	50	5,1	29	188139
X302P	8	18	400	50	3	28	188199

WLL 400kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X400P	8	9	400	50	2,5	29	188259
X401P	8	9	230	50	5,9	32	188329
X402P	8	18	400	50	3,8	32	188279
X403P	8	9/18	400	50	2,2/4,5	36	188299

WLL 500kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X500P	8	9	400	50	3	41	188379
X501P	8	9	230	50	7,6	49	188439
X502P	8	18	400	50	5,3	44	188389
X503P	8	9/18	400	50	3,6/6,5	51	188419
L500P	8	9	400	50	2,5	29	188349

WLL 600kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X620P	9	9	400	50	4,3	43	259709
X621P	9	9	230	50	10	51	259719
X622P	9	18	400	50	5	47	259729
X623P	9	9/18	400	50	4,5/8,7	53	259739

For Tirak accessories please see page 329

Additional information:

- Incomplete machine delivered with a Declaration of incorporation to be integrated in a complete system,
- Delivered with 1m power supply cable,
- No plugs available for path limitation switches, to be installed & hard wired on site,
- No CE logo on the type label.

Tirak

with connection at central control box
WLL 800kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X820P	9	9	400	50	4,5	47	188509
X823P	9	9/18	400	50	5,3/9,3	53	188519

WLL 1000kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X1030P	10	9	400	50	5,3	47	188549
X1033P	10	9/18	400	50	5,5/9,8	58	217149

WLL 2000kg

Model	Wire Rope Diameter (mm)	Forward Speed (m/min)	Voltage (V)	Frequency (Hz)	Current (A)	Weight (kg)	Product Code
X2050P	14	6	400	50	6,1	100	188569
X2052P	14	12	400	50	10	117	188579

For Tirak accessories please see page 329

Additional information:

- Incomplete machine delivered with a Declaration of incorporation to be integrated in a complete system,
- Delivered with 1m power supply cable,
- No plugs available for path limitation switches, to be installed & hard wired on site,
- No CE logo on the type label.



Accessories for Tirak manriding

Transport trolley for Tirak

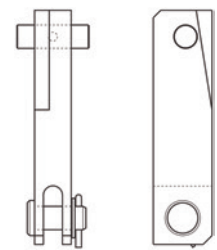
for Tirak series X500, X700, X800, X1000 & X1530

Model	Product Code
transport trolley for Tirak	247329

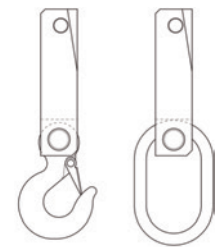


Suspension Adapters for Tirak Hoists

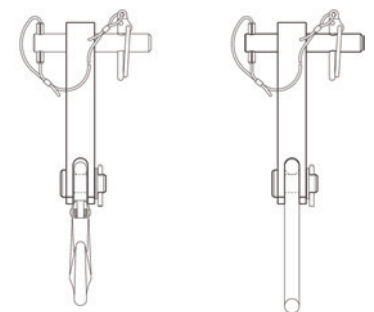
Model	Description	Product Code
Type A	Suspension adapter for X500-X1530	48657
Type B	Suspension adapter with hook. For X500-X1530	48727
Type B	Suspension adapter with eye. For X500-X1530	48717
Type C	Suspension adapter with removable hook. For X300/L500	180157
Type C	Suspension adapter with removable eye. For X300/L500	180167
Type C	Suspension adapter with removable hook. For X500-X1530	58527
Type C	Suspension adapter with removable eye. For X500-X1530	58537



Typ A



Typ B



Typ C

Tirak packaging

Model	Product Code
wooden box for Tirak X300 / X400	26980
wooden box for Tirak X500 / X800 / X1000	21450
wooden box for Tirak T1000	21320
wooden box for Tirak X1530	56010
wooden box for Tirak X3000	56000



Wire ropes for Tirak

maxiflex wire rope, standard

The maxiflex wire rope has been developed especially for optimal use guaranteed by Tractel®, in combination with tirak™ hoists, and can be used under the most extreme circumstances.

Upon request also available on a drum reel and in any required length.

- Developed especially for tirak™
- Supplied on a transport reel.
- Including certificate
- Standard version with tip and hook
- Hook with safety catch
- Available in any required length



Wire Rope Type	wire rope 8.3mm	wire rope 9.5mm	wire rope 10.2mm	wire rope 14.3mm
genCode	490540	491520	493590	496050
productModelName	wire rope 8.3mm	wire rope 9.5mm	wire rope 10.2mm	wire rope 14.3mm

Length	Code	Code	Code	Code
Additional price per meter	494500	17321	494500	16401
20	490540	491520	493590	496050
30	490600	491540	493620	496060
40	490680	491560	493650	496070
50	490730	491590	493670	496080
60	490760	491600	493680	496090
70	490810	491610	493700	496100
80	490840	491640	493720	496120
90	490880	491650	493730	496130
100	490890	491670	493750	496140

maxiflex non-rotating wire rope

The maxiflex non-rotating wire rope has been developed especially to prevent non-guided loads from rotating if they are suspended freely in the air. Upon request the non-rotating wire rope will be produced and manufactured especially for you.

The Maxiflex™ wire rope is guaranteed by Tractel®, in combination with tirak™ hoists, and can be used under the most extreme circumstances.

- Non-rotating rope for non-guided loads
- Developed especially for tirak™
- Including certificate
- Available in any required length
- Standard version with tip and hook
- Hook with safety catch

Wire Rope Type	wire rope 8.3mm	wire rope 9.5mm	wire rope 10.2mm
genCode	492630	498010	499070
productModelName	wire rope 8.3mm	wire rope 9.5mm	wire rope 10.2mm

Length	Code	Code	Code
50	492630	498010	499070



Order products on day 1, will be shipped no later than day 2,



Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

Tirfor and Scafor for man-riding

Tirfor for man-riding

- Certified for man riding according to EN 1808
- Blocstop BSA on secondary safety rope
- Quick installation
- There is no limitation of rope length
- It is quickly installed in any location and can be used where there is no power supply
- Shear pin overload protection incorporated in the forward lever handle



Model	WLL (kg)	Wire Rope Diameter (mm)	Breaking load (daN)	Weight (kg)	Product Code
TU-6P	600	8.3	4800	8.4	24639
TU-12P	1,200	11.5	9600	18	24649
TU-24P	2,400	16.3	19600	27	24659

Scafor hoist

- Lightweight manual hoist especially for light suspended platforms
- Rope travel for one complete cycle: 7.5mm
- Effort on each handle for load of 350kg: 7kg
- Centrifugal break system



Model	WLL (kg)	Wire Rope Diameter (mm)	Weight (kg)	Product Code
408C	400	8.3	11	16488

Maxiflex wire ropes for Hydraulic Tirfor, man-riding Tirfor and Scafor machines

- For man-riding, powered and sheaved applications
- All maxiflex ropes are supplied on a reel terminating with fused and taper at one end and a hook at the other (except 16.3 mm shackle)

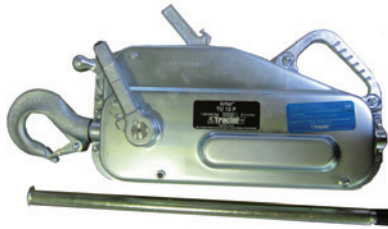
Wire Rope Type	11.5mm with hook	16.3mm with shackle	8.3mm with hook
Description	For manriding TU-P/TU-H	For manriding TU-P/TU-H	For Scafor
Length	Code	Code	Code
extra p/m	493200	492200	494500
10	495020	496520	490520
20	495050	496540	490540
30	495060	496550	490600
40	495320	496570	490540
50	495070	496580	490730
60	495080	496590	490760
70	495090	497080	490810

Manriding Tirfor

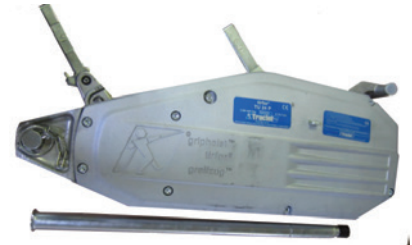
Tirfor TU P



Tirfor TU6 P



Tirfor TU12 P



Tirfor TU24 P

- Certified for man riding according to EN 1808
- Blocstop BSA on secondary safety rope
- Quick installation
- There is no limitation of rope length
- It is quickly installed in any location and can be used where there is no power supply
- Shear pin overload protection incorporated in the forward lever handle

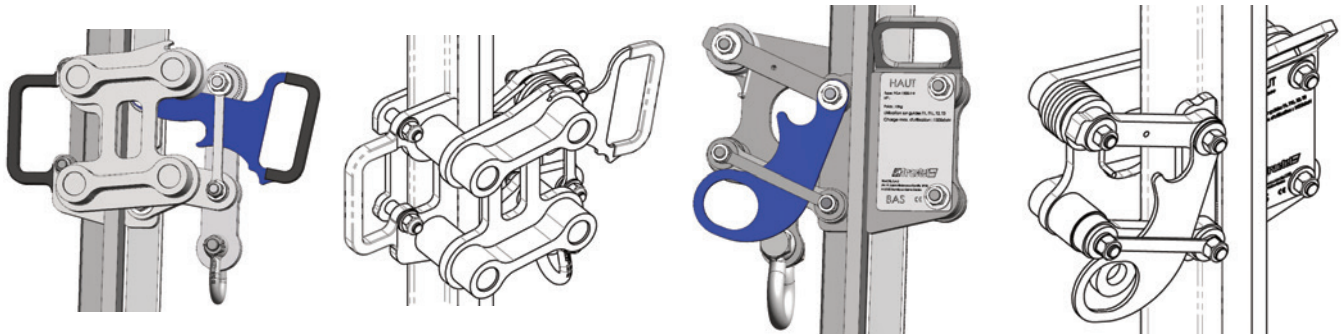
Model	WLL	Wire Rope Diameter (mm)	Length (cm)	Height (cm)	Depth (cm)	Weight (kg)	Product Code
TU 6 P & BSA 15.301	600	8,3	527	265	108	13,4	24609
TU 12 P & BSA 20.301	1,200	11,5	660	330	140	26,4	24619
TU 24 P & BSA 35.30	2,400	16,3	676	330	156	39,1	24629

For the material handling version of the Tirfor, please see page 8



Blocstop BSA

Safety parking clamp



The Safety parking clamps (SPC) are dedicated to securing lifting platforms used in the elevator industry by attaching the platform to the guiding rail. They are used as a secondary safety device, a primary safety device is mandatory.

In case of breaking of the lifting cable, the platform will fall and will immediately be blocked by the clamp.

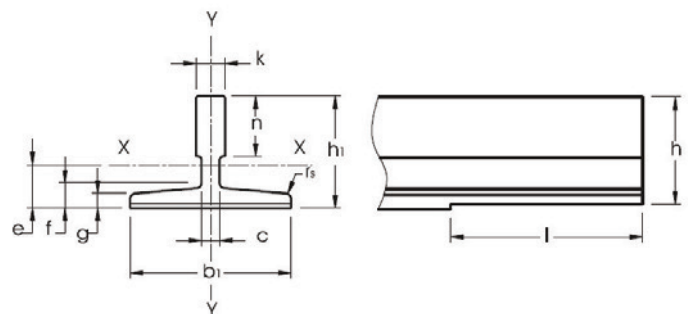
- The **back** Safety parking clamp (BSPC), is attached to the back of the guiding rail of the elevator platform.
- The back safety parking clamp has a wider range but, it requires enough free space at the back of the rail (110 mm without the shackle, ~120 mm with the shackle) to be installed, and is limited to 1.5t capacity.
- The **front** Safety parking clamp (FSPC) is attached to the front of the guiding rail of the elevator platform.
- The front safety parking clamp has a smaller range, is a bit lighter but has a higher capacity (2 t) and can be installed on every installation, since the required space behind the rail is very limited (20 mm minimum). It offers PVC covered handles to ease manipulation.

The safety parking clamps are designed to work on standard ISO 7465 rails, used for elevators. Other uses are forbidden.

Model	WLL	Weight (kg)	Product Code
Front Safety Parking Clamp	2 t	9	212898
Back Safety Parking Clamp	1.5 t	10.4	212928

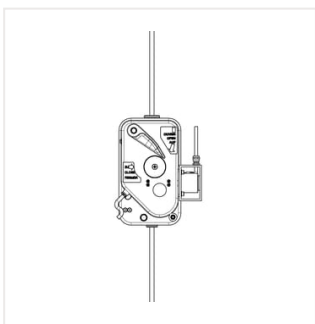
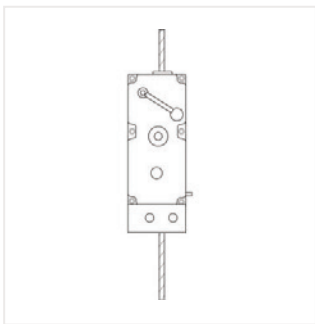
Product Code	T75-3	T82	T89	T90	T125	T127-1	T127-2	T140-1	T140-2	T140-3
212898	V	V	V	-	-	-	-	-	-	-
212928	V	V	V	V	V	V	V	V	-	-

Rail	Dimensions				
	b1	h1	k	n	f
T75-3/B	75	62	10	30	9
T82/B	82.5	68.25	9	25.4	8.25
T89/B	89	62	15.88	33.4	11.1
T90/B	90	75	16	42	10
T125/B	125	82			12
T127-1/B	127	88.9	15.88	44.5	11.1
T127-2/B					15.9
T140-1/B	140	108	19	50.8	17.5
T140-2/B		102	28.6		
T140-3/B		31.75	31.75		





Blocstop fall arrest devices



An additional safety system in accordance with DIN EN 1808 is mandatory in man riding applications. The system is used to secure the work basket or the platform on which personnel are working against falling.

That is precisely what our Blocstop BSO does. It is small, light and compact and attached to the working platform where the safety rope runs through it.

If the movement of the safety rope exceeds a specified speed then the BSO triggers automatically and securely catches the load. The safety rope is held between the clamping jaws, preventing the rope from slipping any further. However, the surface of the clamping jaws is large enough to prevent damage to the rope. The Blocstop is designed in such a way that the clamping jaws grip tighter, the higher the load on the rope.

Furthermore, the Blocstop has been tested using many times the nominal load in order to ensure an extremely large safety margin.

All of the BSO models can be equipped with an electric switch which immediately switches off the Tirak if triggered, for example.

This option increases safety in the event of an emergency stop as it prevents rope slack above the platform.



Blocstop fall arrest devices

Blocstop BSO fall arrest devices

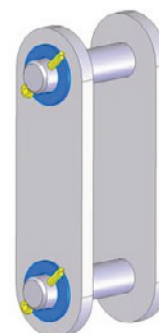
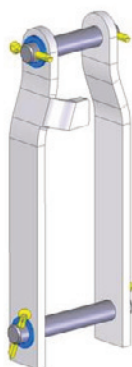


Model	Forward Speed (m/min)	Wire Rope Diameter (mm)	WLL manriding	Description	Product Code
BSO 500 P	30	8	600	-	291569
BSO 500E P	30	8	600	with limit switch and 2m cable fitted with plug for tirak connection	291579
BSO 520 P	30	9	600	-	291589
BSO 520E P	30	9	600	with limit switch and 2m cable fitted with plug for tirak connection	291599
BSO 520E P	30	9	600	with limit switch and 2m cable fitted with cable gland for tirak connection	296359
BSO 1020 P	30	9	800	-	291609
BSO 1020E P	30	9	800	with limit switch and 2m cable fitted with plug for tirak connection	291619
BSO 1020E P	30	9	800	with limit switch and 2m cable fitted with cable gland for tirak connection	296379
BSO 1020EFA P	30	9	800	with remote triggering of the BSO	291629
BSO 1030 P	30	10	1000	-	291639
BSO 1030E P	30	10	1000	with limit switch and 2m cable fitted with cable gland for tirak connection	296389
BSO 1030E P	30	10	1000	with limit switch and 2m cable fitted with plug for tirak connection	291649
BSO 1030EFA P	30	10	1000	with remote triggering of the BSO	291659
BSO 1040 P	30	11	1200	-	291669
BSO 1040E P	30	11	1200	with limit switch and 2m cable fitted with plug for tirak connection	291679
BSO 1040EFA P	30	11	1200	with remote triggering of the BSO	291689
BSO 2050 P	30	14	2000	-	291699
BSO 2050E P	30	14	2000	with limit switch and 2m cable fitted with plug for tirak connection	291709
BSO 2050E P	30	14	2000	with limit switch and 2m cable fitted with cable gland for tirak connection	296479
BSO 2050EFA P	30	14	2000	with remote triggering of the BSO	291719
BSO 2460 P	30	16	2400	-	291789
BSO 2460E P	30	16	2400	with limit switch and 2m cable fitted with plug for tirak connection	296489
BSO 2460E P	30	16	2400	with limit switch and 2m cable fitted with cable gland for tirak connection	296489

Accessories for Blocstop

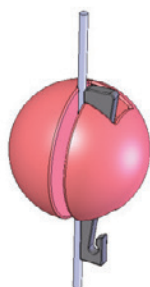
Set of straps

Model	Product Code
straps for BSO 510 - 1044	42517
straps for BSO 2050 - 3060	198247

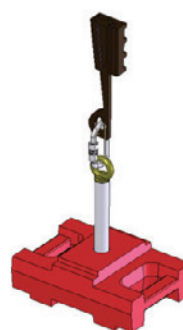


Counterweights

Model	Product Code
Counterweight for BSO 510-1044	21488
Counterweight for BSO 2050-3060	199487



Counterweight for BSO 510 - 1044



Counterweight for BSO 2050 - 3060

The Blocstop family includes two additional models: the BSA and the BS.

In contrast to the BSO, the BSA's clamping jaws are not triggered by excessive speed but rather by monitoring the suspension rope. The BSA is held open by a lever which is supported on the suspension rope by a roller. If the suspension rope breaks then this support stops and the BSA closes. In precisely the same way as the BSO, the clamping jaws clamp the safety rope and prevent the load or the platform from falling.

On platforms with two suspension points, arranging the suspension and safety ropes in parallel enables the system to monitor the tilt of the platform. If one side of the platform descends then the BSA closes on the lower side, catching the platform before the tilt reaches a critical angle.

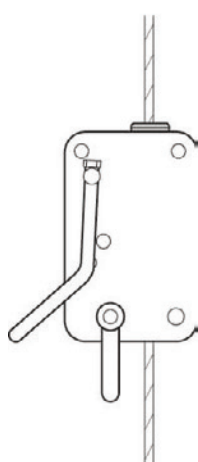
Fall arrest Blocstop BSA

Model	WLL manriding	WLL	Wire Rope Diameter (mm)	Product Code
BSA 15.301	600	600	8,3	3279
BSA 20.300	600	600	8,3	15939
BSA 15.303	800	800	9.5	6019
BSA 20.303	800	800	9.5	15949
BSA 20.304	1000	1,000	10.2	6039
BSA 20.301	1200	1,200	11.5	15049
BSA 35.304	2000	2,000	14.3	35329
BSA 35.30	2400	2,400	16.3	17999

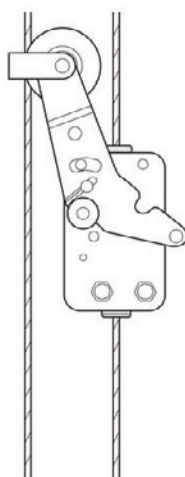


Blocstop BS load arrester

Model	WLL	Wire Rope Diameter (mm)	Product Code
BS 15-301	800	8,3	3219
BS 20-300	800	8,3	15929
BS 20-303	1,000	9,5	3239
BS 20-304	1,600	10,2	6029
BS 20-301	1,600	11,5	3129
BS 35-304	3,000	14,3	35319
BS 35-300	3,200	16,3	3149



Blocstop BS



Blocstop BSA



Order products on day 1, will be shipped no later than day 2.



Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.



Available on request. Please enquire about delivery times of these items.

Platforms

Rotorblade maintenance platform UVM10L

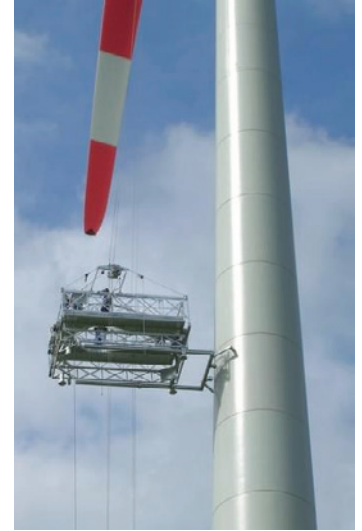
The Blade Maintenance Platform UVM10L is used as a rotor blade traversing system for the temporary inspection of rotor blades in wind energy systems fitted on circular steel or concrete towers. The UVM10L is an easy to install solution to reach most of the installed blades of about 2MW turbines.

UVM10L consists of three main functional groups and it is made entirely from welded aluminium:

- Two asymmetric working half-platforms connected to the base frame by an undercarriage. They can be moved apart or closer together separately or at the same time in order to adjust them precisely to different rotor blade cross-sections.
- One base support frame with side mounted trapezoids, on which the hoist parallelograms plus Tirak rope hoists (X1030 P) and Blocstop fall arrest devices (BSO 1030 EFA) are fitted
- An electric positioning frame with adjustable bumper rollers ensures a stable ascent and descent along the turbine mast

UVM10L main safety features among many others are:

- Automatic triggering of the Blocstop fall arrest device in case of inclination of the platform and overspeed
- Emergency Power Supply: if power supply fails an emergency descent is always possible
- Sliding clutches : the gear motors for the two platform halves are fitted with sliding clutches to prevent damage if any of the components are blocked during intentional movement
- The parallelogram inclination can be adjusted using the Bravo lever hoists and this ensures that the platform's centre of gravity can be re-aligned at anytime. Monitoring of the wind speed and visual alarm for the operators.



Model	Lifting Height (m)	Frequency (Hz)	Voltage (V)	Product Code
UVM10L 50Hz 130m	130	50	400	282009
UVM10L 60Hz 130m	130	60	400	282019
UVM10L 50Hz 150m	150	50	400	282029
UVM10L 60Hz 150m	150	60	400	282039
UVM10L 50Hz 130m asym	130	50	400	282049
UVM10L 60Hz 130m asym	130	60	400	282059
UVM10L 50Hz 150m asym	150	50	400	282069
UVM10L 60Hz 150m asym	150	60	400	282079

Accessories for UVM 10L

Model	Product Code
Transport trailer SP 3502	188335
Counterweight for trailer	187687
tower support 1,6 m	202127
tower support 2,0 m	229337
tower support 3,0 m	229347
Protection bush for rope through	200765
Limit switch adjustment for external overload	196427
Hoisttrapezoid 1000 kg	196397
Hoisttrapezoid 1250 kg	196407
Blade support	202147
Control set 50 Hz 2,4 GHz	240067
Control Set 60 Hz 2,4 GHz	240077

Platform C5 & CT5

C5 & CT5 platforms have been especially developed to be used inside or outside for temporary inspection of wind energy systems (e.g. on round steel or concrete towers of wind turbines or chimneys). The platform are designed to be compact. The maximum lifting capacity of the C5 platform is 240kg.

Main advantages:

- Proven Tirak technology,
- Low weight,
- No assembly time,
- Low installation height.

C5-1L

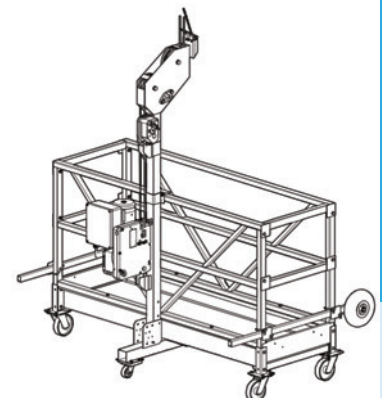
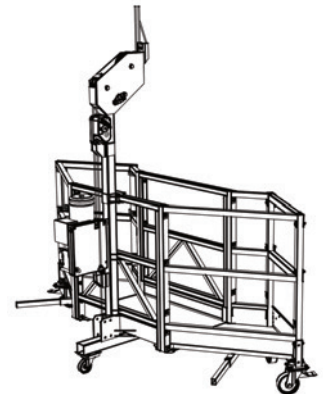
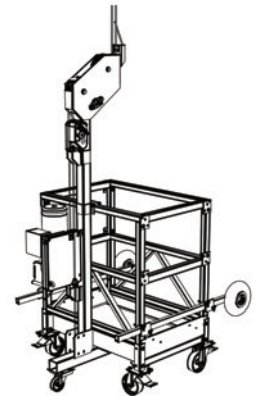
Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
C5 1L	400	50	8	240	259459
C5 1L	400	60	8	240	259489
C5 1L	690	50	8	240	259559
C5 1L	690	60	8	240	259589
C5 1L	400	50	9	240	110269
C5 1L	400	60	9	240	259529
C5 1L	690	50	9	240	259619
C5 1L	690	60	9	240	259649

C5-1L2W

Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
C5 1L2W	400	60	8	240	259499
C5 1L2W	690	50	8	240	259569
C5 1L2W	690	60	8	240	259599
C5 1L2W	400	50	9	240	259509
C5 1L2W	400	60	9	240	259539
C5 1L2W	690	50	9	240	259629
C5 1L2W	690	60	9	240	259659
C5 2L	400	60	8	240	259479

C5-2L

Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
C5 2L	690	50	8	240	259549
C5 2L	690	60	8	240	259579
C5 2L	400	50	9	240	110279
C5 2L	400	60	9	240	259519
C5 2L	690	50	9	240	259609
C5 2L	690	60	9	240	259639
CT5 1L	400	50	9	300	212749
CT5 1L	690	50	8	300	212799



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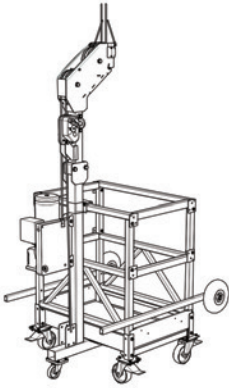
Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

Available on request. Please enquire about delivery times of these items.

Platform CT5

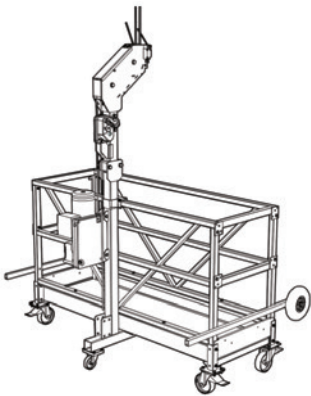
In addition to the C5 platform advantages and features, the CT5 platforms include a foldable support frame easing the transportation.

CT5-1L



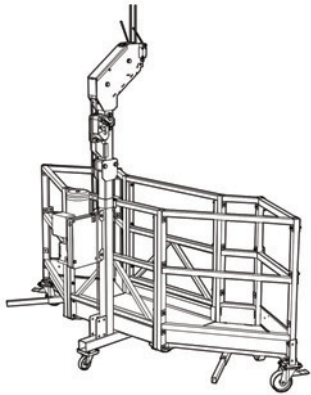
Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
CT5 1L	690	60	8	300	212829
CT5 1L	690	50	9	300	212859
CT5 1L	690	60	9	300	212889
CT5 1L2W	400	50	8	300	259469
CT5 1L2W	690	50	8	300	212809
CT5 1L2W	690	60	8	300	212839
CT5 1L2W	400	50	9	300	110289
CT5 1L2W	690	50	9	300	212869


CT5-1L2W





Model	Voltage (V)	Frequency (Hz)	Wire Rope Diameter (mm)	WLL manriding	Product Code
CT5 1L2W	690	60	9	300	212899
CT5 2L	400	60	8	300	212709
CT5 2L	690	50	8	300	212789
CT5 2L	690	60	8	300	212819
CT5 2L	690	50	9	300	212849
CT5 2L	690	60	9	300	212879

CT5-2L



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 Available on request. Please enquire about delivery times of these items.

Suspension equipment

Portafix A

Model	Product Code
Portafix A	61408
Portafix B	61368
Portafix C	61428



Accessories for Portafix C


Model	Product Code
Complement for portafix C	61328
Counterweight 25kg	3378
Front cross bar extension for Portafix C	71347
Guying wire rope + anchor brackets for portafix	3278
Mobile counterweight cross bar + locking system	61388
Mobile front cross bar with height adjuster	61338
Portafix counterweight table plate	84295
Portafix assembly instructions plate	84615
Rear castor wheel (without brake)	47836
Rear height adjuster	3348
Rear safety anchor assembly complete	3268
Reinforcing bracket	7827
Standard telescopic jib complete	3308


Omega parapet clamp


OMEGA parapet clamp is a temporary access solution when the parapet is sufficiently strong (reinforced concrete etc), it can be directly attached on it. It is delivered ready for use, with rollers allowing easy transversal motion.

Model	Product Code
Omega parapet clamp	8698
Rear safety anchor assembly complete	3268

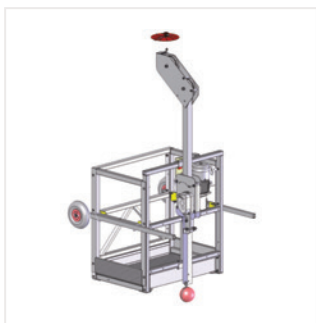


 Order products on day 1, will be shipped no later than day 2,

 Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

 Available on request. Please enquire about delivery times of these items.

Working baskets



Solo platform for temporary access

Solo work platform equipped with Tirak X-300P series electric hoist.

Supplied as a kit to be assembled.

Suspension wire ropes and electrical cable to be supplied separately.

Model	Product Code
Solo with Tirak X-300P - 3PH - 50Hz	55609
Solo with Tirak X-301P - 1PH - 50Hz	55619



Solo components and accessories

Model	Product Code
Ballast weight 9.5 kg	21488
Buffer plate for limit switch	7488
Foam facade protection roller dia. 145x 240 mm	7758
Lower stirrup for Tirak X-300	27737
Pneumatic facade protection wheel on sliding bar	3438



Working seats

Solsit motorised work seat

The Solsit, motorised seat for inspection and maintenance, has been specifically designed for man riding applications.

The Solsit is suitable for many light jobs and is fitted with a Tirak X-300P series hoist (single or 3 PH, 50 or 60 Hz, on request).

The working height is limited only by the length of the wire rope supplied.

Supplied as an assembly including ballast weight, quality control and testing.

Suspension wire rope and electrical cable to be supplied separately.



Model	Product Code
Solsit with Tirak X-300P - 3PH - 50Hz	55649
Solsit with Tirak X-301P - 1PH - 50Hz	55659

Solsit components & accessories

Model	Product Code
Set of 2 rubber roles	14828+A3326LA1:H3420
Work seat with belt and handle, without tirak™/BSO and accessories	14798

Subito manual work seat

The Subito seat is a one-man suspended work seat used for temporary work purposes such as inspection, maintenance and cleaning at height.

Supplied as an assembly including ballast weight, quality control and testing.


Suspension wire rope and electrical cable to be supplied separately.





Model	Product Code
Subito with Scafor	25429

Subito components & accessories

Model	Product Code
Scafor 406, 120 kg, Ø 6,5mm	16408
Subito frame with wheels	28398

 Order products on day 1, will be shipped no later than day 2.

 Order products on day 1, will be shipped no later than day 6. Maximum quantities apply for this service.

 Available on request. Please enquire about delivery times of these items.

ALTA L & ALTA S Platforms



ALTA L

The suspended working platform installation kit consists of

- Platform Alta L or Alta S equipped with electric winch Tirak or manual winch Scafor
- Wire ropes with Blocstop BSO fall protection attached to Portafix or Omega

Modular design.

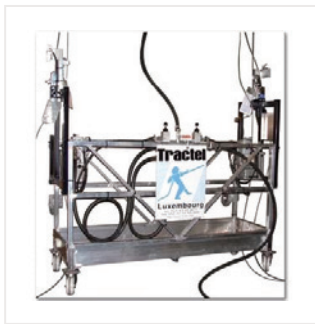
The unique concept of these aluminium platforms consists in the fact that working platforms of 2 and 3 m, working platforms from 2 to 18 m in length can be constructed.

Robust and lightweight.

Weight is an important consideration and for this reason the platforms and railings are made of aluminium.

For safety reasons, the yokes and connecting components are made of galvanised steel.

These platforms are an excellent alternative to classic scaffolding as they can easily reach all places on the facade of a building. They are a good long-term investment as they are light, safe, easy to assemble and, most importantly, very durable and of high quality.



ALTA S

Two models available depending on the type of work to be carried out and demand:

Alta L

A model perfectly suited to lighter work such as painting, renovation, small installations or repairs or window cleaning.

Technical data:

- For 2 up to 6 users
- Length: up to 15 m
- Internal width: 0.6 m
- Maximum working load: 120kg/m

Alta S

Reinforced model for use during construction work, installation of stone facades, accessing chimneys and silos etc. It is perfect for hire.

Technical data:

- For 2 up to 8 users
- Length: up to 18 m
- Internal width: 0.68 m
- Maximum working load: 140kg/m

Three types of stirrups to meet the customers' requirements:

End stirrups

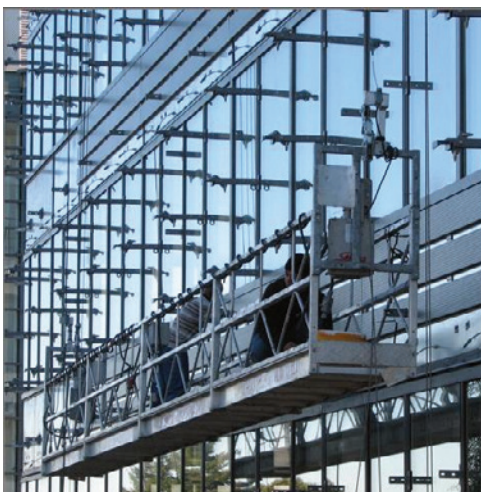
Economical and lightweight solution. Up to 12m for Alta L and up to 15m for Alta S.

Frame stirrups

Ends are clear and accessible. Upper part is compatible with the end stirrups. Maximum length are 15m for Alta L and 18m for Alta S.

Folding C stirrup

Placed at the rear of the platform, behind the workers. Ends are clear and easily accessible. Maximum length are 15m for Alta L and 18m for Alta S.



Manriding trolleys

Corso manual/geared trolley for manriding

Unique in its kind: Suitable for man-riding applications in accordance with the EN1808 standard.

The Corso manual/mechanical trolley can be quickly and easily assembled onto a steel beam, with both a straight and sloping flange, creating a reliable anchor point. For additional safety, the trolley has an integrated brake to park the trolley in a fixed position.

An extension stick is available as an accessory for remotely tightening the brake. Equipped with a galvanized manual chain 5x24 mm, operating height 3m.

- Suitable for man-riding applications
- In accordance with the EN1808 -2006/42/EC directive
- Range 1,000 to 3,000 kg
- With integrated brake
- Perfect stability
- Suspension eye
- Simple adjusting device

Model	WLL manriding	Weight (kg)	Flange Width (mm)	Min.Radius (mm)	Product Code
DT 1,0	1000	19,8	58 - 220	1000	183099
DT 1,0	1000	20.5	220 - 300	1000	183109
DT 2,0	2000	22.5	66 - 220	1200	183119
DT 2,0	2000	24	220 - 300	1200	183129
DT 3,0	3000	37.5	74 - 220	1300	183139
DT 3,0	3000	39	220 - 300	1300	183149



Manriding trolleys



Corso push trolley for manriding

Unique in its kind: Suitable for man-riding applications in accordance with the EN1808 standard.

The Corso push trolley range can be quickly and easily assembled onto a steel beam, with both a straight and sloping flange, creating a reliable anchor point.

For additional safety, the push trolley has an integrated brake to park the trolley in a fixed position. An extension stick is available as an accessory for remotely tightening the brake.

- Suitable for man-riding applications
- In accordance with the EN1808 -2006/42/EC directive
- Range 500 to 3,000 kg
- With integrated brake
- Perfect stability
- Suspension eye
- Simple adjusting device

Model	WLL manriding	Weight (kg)	Flange Width (mm)	Min.Radius (mm)	Product Code
PT 0,5	500	8.5	62 - 220	900	183019
PT 0,5	500	10	220 - 300	900	183029
PT 1,0	1000	10.5	58 - 220	1000	183039
PT 1,0	1000	14	220 - 300	1000	183049
PT 2,0	2000	18	68 - 220	1200	183059
PT 2,0	2000	21.6	220 - 300	1200	183069
PT 3,0	3000	32	74 - 220	1300	183079
PT 3,0	3000	35	220 - 300	1300	183089



Corso beam clamp for manriding


Unique in its kind: Suitable for man-riding applications in accordance with the EN1808 standard.


The Corso spindle beam clamp range can be quickly and easily assembled onto a steel beam, creating


a reliable anchor point. To be used in combination with the Tirak or Tirfor man-riding applications.

- Man-riding transport
- Range 1,000 to 7,000 kg
- In accordance with the EN1808 - 2006/42/EC directive
- Perfect stability
- Suspension eye
- Simple adjusting device

Model	WLL manriding	Weight (kg)	Flange Width (mm)	Product Code
LT-1B	1000	4.8	75 - 230	183209
LT-2B	2000	5.6	75 - 230	183219
LT-3B	2500	11	80 - 330	183229
LT-5B	3000	12.3	80 - 330	183329
LT-10B	7000	21	80 - 320	183249

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