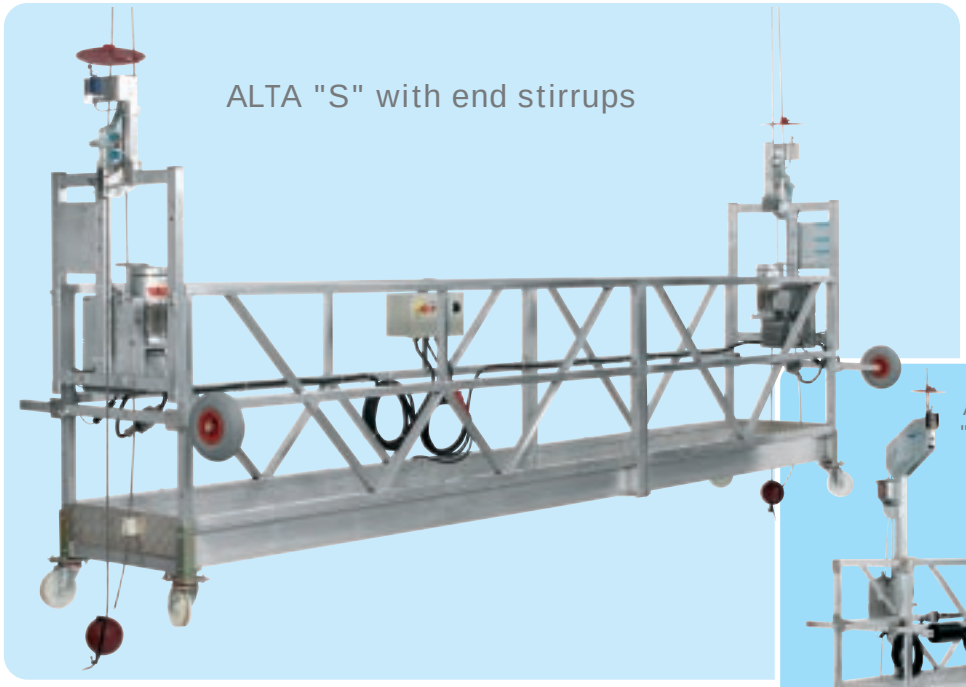
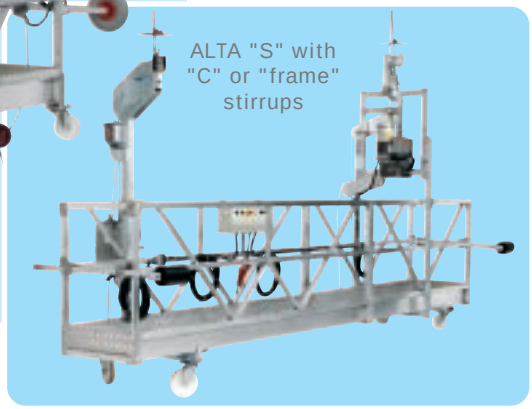
APPLICATIONS

The ALTA "S" platform is intended for temporary applications for lifting people and their working equipment **- at unlimited heights**[1]. It is designed particularly for **heavy applications** on facades, chimneys, silos, bridges, etc. The complete system consists of the working platform equipped with two electric TIRAK® hoists suspended by means of steel wire ropes from a suspension structure.





SAFETY

To ensure safe operation without danger to personnel, the platform is fitted with the following safety devices:

- service brake incorporated in the TIRAK® hoist
- two fall arrest devices BLOCSTOP® acting on the safety wire ropes
- overload sensor incorporated in the TIRAK® hoists according to EN 1808
- two upper limit switches
- no power descent in case of power failure
- anti-tilt device
- emergency stop
- phase controller

CE Equipment in accordance with European Union Directives and manufactured under ISO 9001:2000.

TÜV CERT DIN EN ISO 9001:2000 Certificat : 01 100 6535

1) According to EN 1808 suspended platforms at heights exceeding 40 meters must be equipped with anchors each 20 m guiding the wire ropes.

TECHNICAL DATA

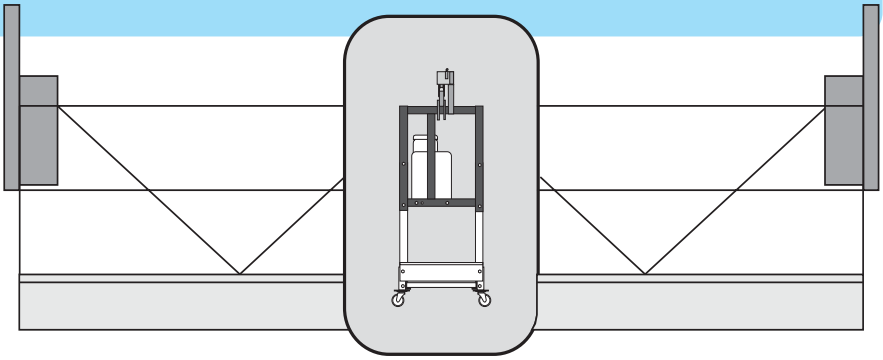
Working loads	see load tables (pages 6 to 9)
max. load / meter	140 kg/m
Maximal height	limited by the length of the wire rope[1]
Speed	
lifting / lowering	8.5 m/min
Hoist type	2x TIRAK® type according to configuration
Lifting / safety wire rope diameter	9 mm or 10 mm depending on the hoist
Drive	mono-phase 230 V or three-phase 230/400 V
Fall arrest device	2x BLOCSTOP®
Noise level	< 73 db
Dimensions	according to configuration, see pages 3 to 9
length	between 2 m and 18 m (composition of modules of 2 m and 3 m)
inside width	66.8 cm
Materials	
platform	aluminium
stirrups	steel hot galvanised

THE ALTA "S" VARIANTS

The different ALTA "S" variants are to be distinguished by their suspension principles. Three different stirrups allow to choose the platform responding the best to your requirements (type of work, type of building, maximal loads, number of persons, ...).

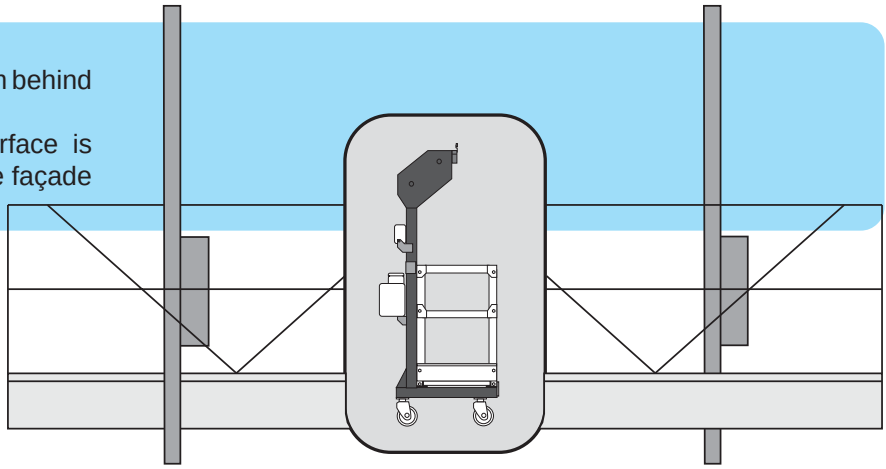
a) **End stirrup:**
fitted at the ends of the platform.
Advantages: the most economical and lightweight version, although showing extraordinary performances.

Maximal length 15 m,
maximal working loads
see pages 6 et 7.



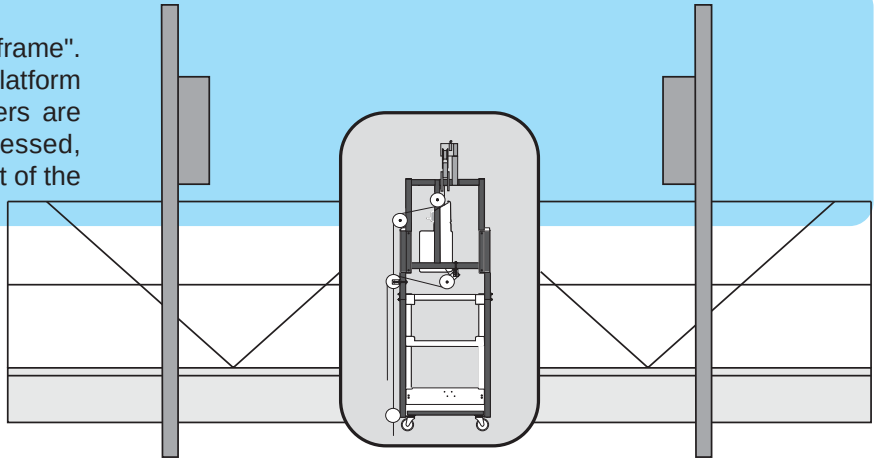
b) **"C" stirrup:**
placed at the rear of the platform behind the workers.
Advantages: the working surface is completely clear and the whole façade can be easily accessed.

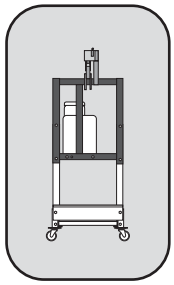
Maximal length 18 m,
maximal working loads
see pages 8 et 9.



c) **"Frame" stirrup:**
slipped over the platform like a "frame".
Advantages: the ends of the platform and therefor the building corners are clear and can be easily accessed, exchangable with the upper part of the end stirrup.

Maximal length 18 m,
maximal working loads
see pages 8 et 9.

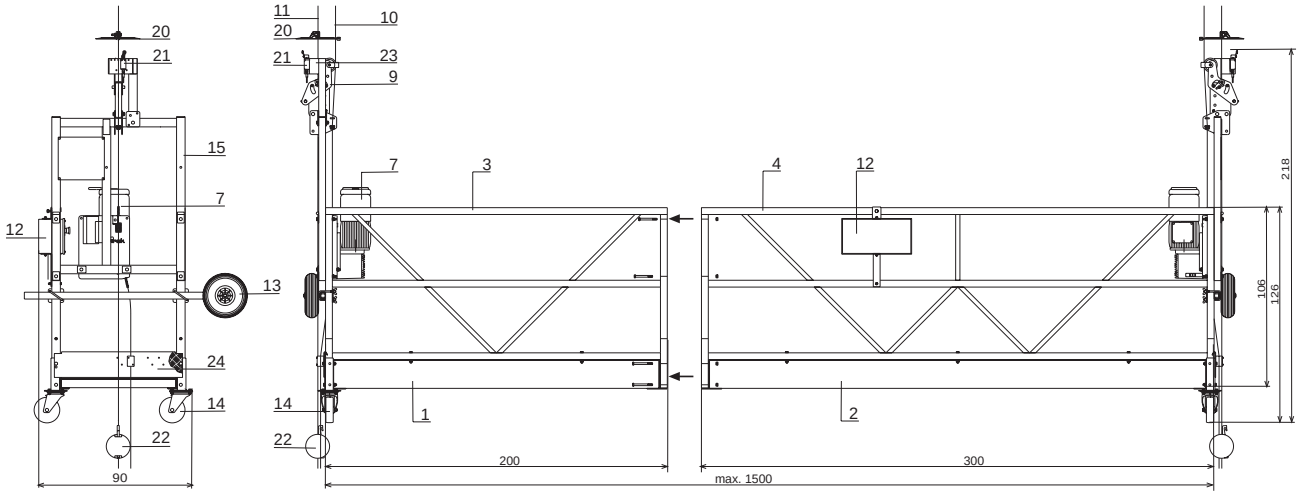




ALTA "S" with end stirrups

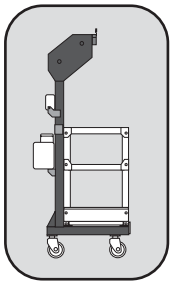
MAIN COMPONENTS

1/2 Floor panel length 2 m or 3 m
3/4 Side panel length 2 m or 3 m
7 TIRAK® hoist
9 BLOCSTOP® fall arrest device
10 Suspension wire rope
11 Safety wire rope
12 Control box
13 Guiding wheel
14 Castor wheel
15 End stirrup
20 Buffer plate
21 Upper limit switch
22 Ballast weight for safety wire rope



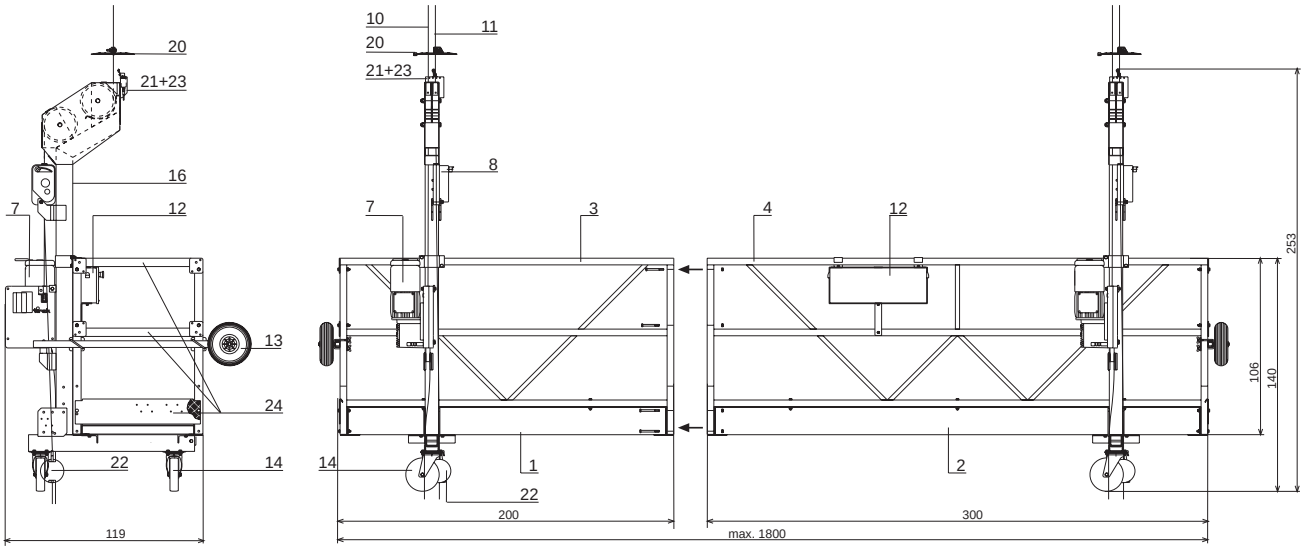
Measures in "cm"

SPARE PARTS
See spare parts list S-486.



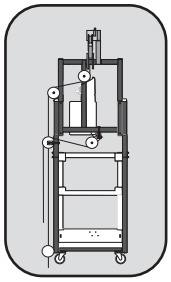
ALTA "L" with "C" stirrups
MAIN COMPONENTS

1/2 Floor panel length 2 m or 3 m
3/4 Side panel length 2 m or 3 m
7 TIRAK® hoist
9 BLOCSTOP® fall arrest device
10 Suspension wire rope
11 Safety wire rope
12 Control box
13 Guiding wheel
14 Castor wheel
16 "C" stirrup
20 Buffer plate
21 Upper limit switch
22 Ballast weight for safety wire rope



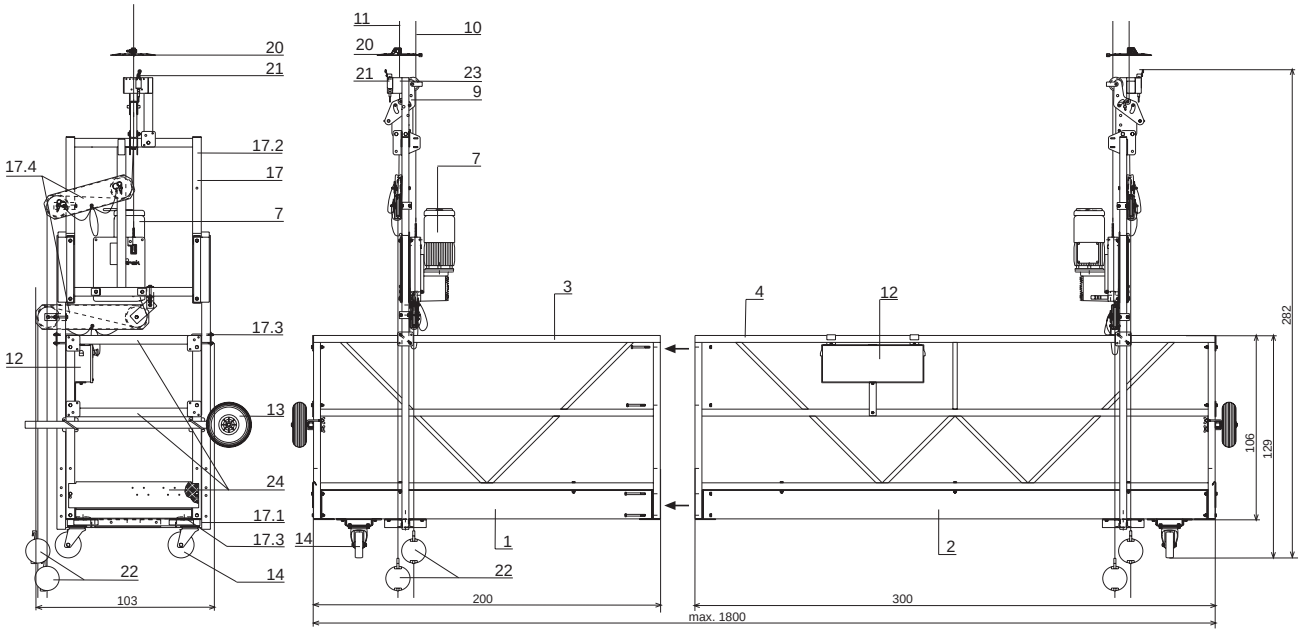
Measures in "cm"

SPARE PARTS
See spare parts list S-486.



ALTA "S" with "frame" stirrups
MAIN COMPONENTS

1/2 Floor panel length 2 m or 3 m
3/4 Side panel length 2 m or 3 m
7 TIRAK® hoist
9 BLOCSTOP® fall arrest device
10 Suspension wire rope
11 Safety wire rope
12 Control box
13 Guiding wheel
14 Castor wheel
17 "Frame" stirrup
20 Buffer plate
21 Upper limit switch
22 Ballast weight for safety wire rope

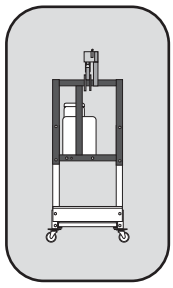


Measures in "cm"

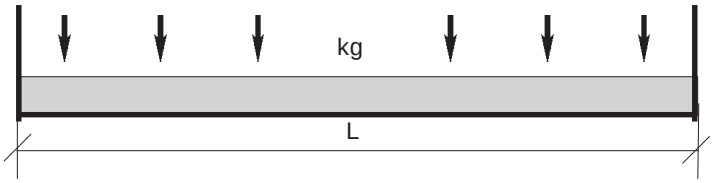
SPARE PARTS
See spare parts list S-486.

WORKING LOAD LIMITS

In accordance with the European standard the working loads are calculated in the following way:
the **first and the second persons** are calculated **80 kg + 40 kg of equipment**, and the following persons are counted as 80 kg each. The maximal loads of ALTA "S" platforms are 280 to 1400 kg. The load must be spread as evenly as possible over the length of the platform. Refer to the working load tables on the following pages.



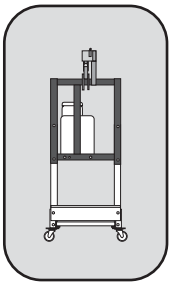
ALTA "S" with end stirrups
2 x TIRAK® X-820 P



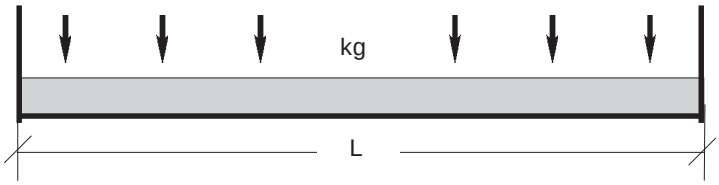
WORKING LOADS

(= 80 kg)

Hoist type nominal load capacity wire rope diameter Ø		**2 x TIRAK® X-820 P** 2 x 800 kg **9 mm**		
L (m)	Composition of platform modules (ex.)	**max. load (kg)**	≙ number of persons + load	no-load weight (kg)
2	2 m	**280**	2 + 120	230
3	3 m	**420**	3 + 180	250
4	2+2 m	**560**	4 + 240	280
5	3+2 m	**700**	5 + 300	300
6	3+3 m	**840**	6 + 360	320
7	3+2+2 m	**980**	7 + 420	350
8	3+2+3 m	**1120**	8 + 480	370
9	3+3+3 m	**1190**	8 + 550	390
10	3+2+2+3 m	**1170**	8 + 530	420
11	3+3+2+3 m	**1000**	8 + 360	440
12	3+3+3+3 m	**800**	8 + 160	460
13	3+3+2+2+3 m	**650**	6 + 170	490
14	3+3+2+3+3 m	**550**	5 + 150	510
15	3+3+3+3+3 m	**500**	5 + 100	530



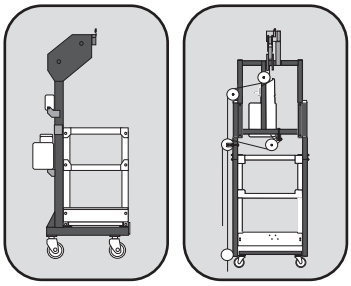
ALTA "S" with end stirrups
2 x TIRAK® X-1030 P



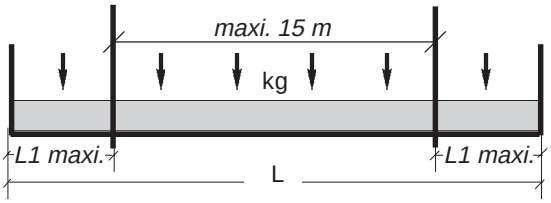
WORKING LOADS

(👤 = 80 kg)

Hoist type nominal load capacity wire rope diameter Ø		**2 x TIRAK® X-1030 P** 2 x 1000 kg **10 mm**		
L (m)	Composition of platform modules (ex.)	**max. load (kg)**	≙ number of persons + load	no-load weight (kg)
2	2 m	**280**	2 👤👤 + 120	240
3	3 m	**420**	3 👤👤👤 + 180	260
4	2+2 m	**560**	4 👤👤👤👤 + 240	290
5	3+2 m	**700**	5 👤👤👤👤👤 + 300	310
6	3+3 m	**840**	6 👤👤👤👤👤👤 + 360	330
7	3+2+2 m	**980**	7 👤👤👤👤👤👤👤 + 420	360
8	3+2+3 m	**1120**	8 👤👤👤👤👤👤👤👤 + 480	380
9	3+3+3 m	**1260**	8 👤👤👤👤👤👤👤👤 + 620	400
10	3+2+2+3 m	**1400**	8 👤👤👤👤👤👤👤👤 + 760	430
11	3+3+2+3 m	**1000**	8 👤👤👤👤👤👤👤👤 + 360	450
12	3+3+3+3 m	**800**	8 👤👤👤👤👤👤👤👤 + 160	470
13	3+3+2+2+3 m	**650**	6 👤👤👤👤👤👤 + 170	495
14	3+3+2+3+3 m	**550**	5 👤👤👤👤👤 + 150	515
15	3+3+3+3+3 m	**500**	5 👤👤👤👤👤 + 100	535



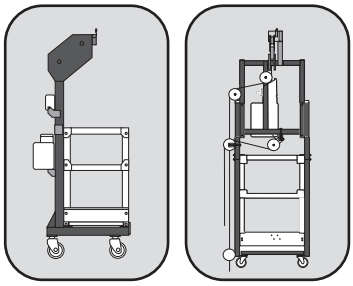
ALTA "S" with "C" stirrups or "frame" stirrups
2 x TIRAK® X-820 P



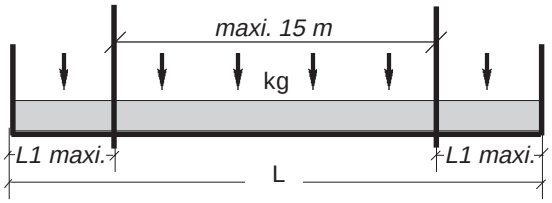
WORKING LOADS

(= 80 kg)

Hoist type nominal load capacity wire rope diameter Ø		**2 x TIRAK® X-820 P** 2 x 800 kg **9 mm**				
L (m)	Composition of platform modules (ex.)	**max. load (kg)**	≙ number of persons + load	no-load weight (kg)	overhang L1 (m)	overhang max. load (kg)
3	3 m	**420**	4 + 100	335	0,5	1 + 40
4	2+2 m	**560**	5 + 160	360	0,5	1 + 40
5	3+2 m	**700**	7 + 140	380	1,0	1 + 60
6	3+3 m	**840**	8 + 200	400	1,5	2 + 50
7	3+2+2 m	**980**	8 + 340	430	1,5	2 + 50
8	3+2+3 m	**1020**	8 + 380	450	1,5	2 + 50
9	3+3+3 m	**930**	8 + 290	470	1,5	2 + 50
10	3+2+2+3 m	**830**	8 + 190	500	1,5	2 + 50
11	3+3+2+3 m	**780**	8 + 140	520	1,5	2 + 50
12	3+3+3+3 m	**750**	8 + 110	540	1,5	2 + 50
13	3+3+2+2+3 m	**720**	7 + 160	565	1,5	2 + 50
14	3+3+2+3+3 m	**700**	7 + 140	585	1,5	2 + 50
15	3+3+3+3+3 m	**680**	7 + 120	605	1,5	2 + 50
16	3+3+2+2+3+3 m	**650**	6 + 170	635	1,5	2 + 50
17	3+3+3+2+3+3 m	**550**	5 + 150	655	1,5	2 + 50
18	3+3+3+3+3+3 m	**500**	5 + 100	675	1,5	2 + 50



ALTA "S" with "C" stirrups or "frame" stirrups
2 x TIRAK® X-1030 P



WORKING LOADS

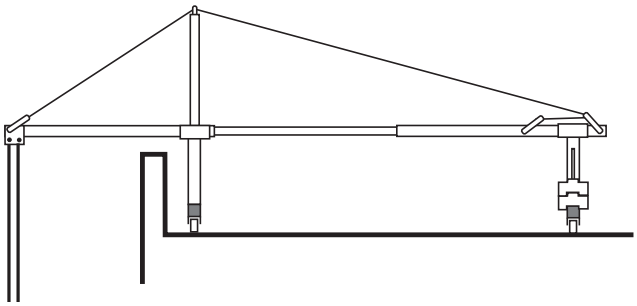
(= 80 kg)

Hoist type nominal load capacity diamètre câble Ø		**2 x TIRAK® X-1030 P** 2 x 1000 kg **10 mm**				
L (m)	Composition of platform modules (ex.)	**max. load (kg)**	≙ number of persons + load	no-load weight (kg)	overhang L1 (m)	overhang max. load (kg)
3	3 m	**420**	4 + 100	340	0,5	1 + 40
4	2+2 m	**560**	5 + 160	370	0,5	1 + 40
5	3+2 m	**700**	7 + 140	390	1,0	1 + 60
6	3+3 m	**840**	8 + 200	410	1,5	2 + 50
7	3+2+2 m	**980**	8 + 340	440	1,5	2 + 50
8	3+2+3 m	**1120**	8 + 480	460	1,5	2 + 50
9	3+3+3 m	**1260**	8 + 620	480	1,5	2 + 50
10	3+2+2+3 m	**1400**	8 + 760	510	1,5	2 + 50
11	3+3+2+3 m	**1400**	8 + 760	530	1,5	2 + 50
12	3+3+3+3 m	**1000**	8 + 360	550	1,5	2 + 50
13	3+3+2+2+3 m	**900**	7 + 340	575	1,5	2 + 50
14	3+3+2+3+3 m	**850**	7 + 290	595	1,5	2 + 50
15	3+3+3+3+3 m	**800**	7 + 240	615	1,5	2 + 50
16	3+3+2+2+3+3 m	**650**	6 + 170	645	1,5	2 + 50
17	3+3+3+2+3+3 m	**550**	5 + 150	665	1,5	2 + 50
18	3+3+3+3+3+3 m	**500**	5 + 100	685	1,5	2 + 50

SUSPENSION

The ALTA "S" platform can be suspended from all types of suspension which are manufactured according to the current standards and recommendations. The EN 1808 stipulates a safety factor of 3 for anchor points and suspension structures.
TRACTEL® offers a complete range of suspension structures which can be fitted on different types of roofs (see the technical sheet of the suspension jibs PORTAFIX®).

PORTAFIX® suspension jib :



DOUBLE-DECK PLATFORM

The ALTA platform can be easily transformed in a double-deck platform using especially designed attachment rods (refer to technical sheet T-707).

OPTIONS

Because of its modular design, the ALTA "S" platform can also be used in other configurations, tailored to each solution, for example:

- three level platform
- suspended platform with three or more suspension points
- equipment for permanent installation on a building
- platform working on a non-vertical plane
- circular platform
- platform fitted with manual hoists (TIRFOR®), etc.

Please contact us for these non-standard configurations.