



MODULAR SUSPENDED PLATFORM SYSTEM (MHB)
Most Innovative Platform of the world



Suspended Platforms

Suspension Systems

Hoists

Custom-made

INDEX

SUSPENDED PLATFORMS

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MHB

(Modular Suspended Platform System)

Most Innovative Platform of the world!

The Altrex Modular Suspended Platform System (MHB) is used world wide for years and years for working safely at heights. Altrex MHB systems are calculated for strength and stability by the latest and most advanced calculation methods which are granted by the well known and independent German certifying company Fachausschuss Bau (FAB).



New! MHB 80!

New in the Altrex assortment is the MHB 80. This suspended platform has 2 new components namely higher U- and side-frames in comparison to MHB 60 (the regular MHB), these make the platform a lot stronger. **The loading capacity has been improved up to 200% (depending on the length of the platform) compared to MHB 60. Besides the load ability, the platform can also be build up to longer lengths with MHB 80. MHB 80 can be build up to a length of 18m in combination with end stirrups. When combined with a walk through stirrup it can be build up to 26m!** MHB 80 is only available for straight platforms. MHB 60 assortment has, besides straight platforms, also the possibility for corner sections (fixed or adjustable), Double Deck, Boiler stage etc. configurations.

It is possible to upgrade a MHB 60 to MHB 80. Therefore only new U-frames and side frames are necessary. There is also an adapter available which fits on a U-frame MHB 60 (connected by 2 connection pins), and upgrades it to MHB 80. Than, besides the adapters, only new side frames are necessary to upgrade a MHB 60 to MHB 80. A MHB 80 with adapters allows the same length as the complete MHB 80 platform configurations. More information can be found on page 10 / 11.



Relax. It's an Altrex.

For more than 60 years Altrex has been a brand which guarantees safety, responsibility and innovation: a global actor with a leading position in many markets. A position based on quality, knowledge, experience and especially innovation. Choosing Altrex is choosing safety. Altrex develops and manufactures high-quality products for both professional users and DIY users. High-quality products designed to help the user with working safely at great heights. The right product for every task!

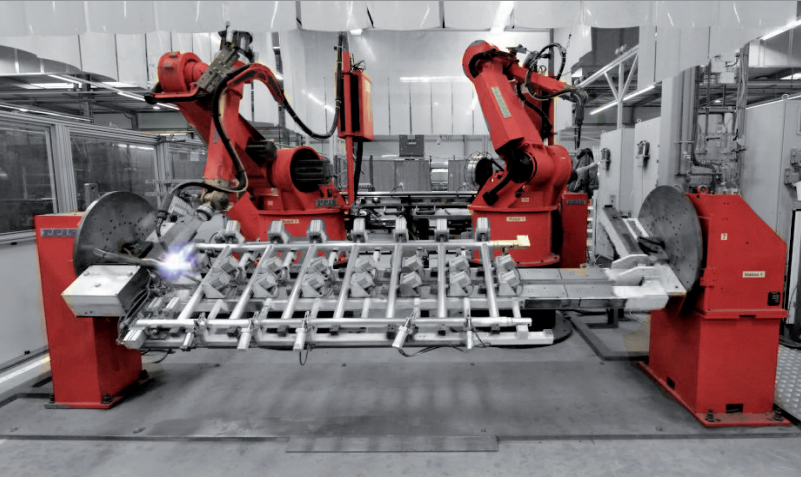
And that's why: **Relax. It's an Altrex.**

Modern production and logistics facilities

Altrex has a factory with sophisticated, state-of-the-art production facilities, such as fully automated welding robots. As a specialist in aluminium welding, Altrex is able to realise a consistent, high-level quality in welding, which is guaranteed through our ISO-9001 certification.

The quality of products is essential in order to work safely at height. Another reason to choose Altrex. The Altrex brand stands for quality of products and quality in service.

On a daily basis, the products are distributed all over the world from the modern Altrex logistics centre.



Training and education

Altrex has its own training and education centre in The Netherlands, where product training and (safety) education are offered.

Inspection and Repair

Within the Netherlands, Altrex offers Inspection and Repair services at the factory and/or on site.

International partners

Altrex has an international dealer network with partners who have expertise in and knowledge of the access solutions which Altrex offers. Also, various worldwide rental companies have chosen to hire out high-quality Altrex products, such as Modular Suspended Platforms and scaffold systems. Choosing Altrex, means choosing quality and safety.



Complete innovative range access equipment

Altrex offers a complete and innovative range of access equipment. No matter if it concerns rolling towers, folding towers, scaffold systems, suspended platforms, ladders, folding ladders or stepladders. A complete range, with the quality, service, durability and guarantee you can expect from an A-brand supplier. Products which are developed by devoted people with knowledge and experience. Altrex people who know what the user needs to be able to work at height safely and comfortably. Also for special situations that require custom-made solutions.

Custom-made products and special constructions

In certain situations, custom-made/special products are required. In these situations Altrex also offers a solution and is the right choice. Altrex has a specialised department for customer solutions, where engineering and manufacturing are performed by our specialists who have the required professional knowledge and expertise.

They personally advise customers about the best and safest solutions. No matter if it concerns access solutions for a football stadium, silo access systems or climbing towers, Altrex is the right choice.

**Altrex is the right partner
for every access solution.**

www.altrex.com

Modular Suspended Platform System (MHB)

The Altrex Modular Suspended Platform System (MHB) is a unique system for safely working at great heights. The following pages of this catalogue will provide a summary of the possibilities of the Altrex Modular Suspended Platform System.

The Modular Suspended Platform System consist of three main elements:

1. Platforms
2. Aluminium roof beams
3. Hoists

The Modular Suspended Platform System (MHB) consist of many parts with which various standard configurations can be built. The standard suspended platform configurations are CE approved

- MHB 60 with End Stirrups



- MHB 80 with End Stirrups



NEW! MHB 80

- MHB 60 with Walk Through Stirrups



- MHB 80 with Walk Through Stirrups



NEW! MHB 80

- MHB 60 with Fixed Corner Sections



- MHB 60 with Adjustable Corner Sections



- MHB 60 Double Deck Suspended Platforms



- Boiler Stage



- MHB 60 One man Work Cage



Modular Suspended Platform System (MHB)



Aluminium Roof beams (CE-approved)

The Altrex aluminium roof beam is available in 4 different models:

- Roof beams 600 kg low
- Roof beams 600 kg high
- Roof beams 800 kg low
- Roof beams 800 kg high



Hoists (CE-approved)

Beside suspended platforms and roof beams, Altrex also provides hoists for the Modular Suspended Platform range.

As a standard, within Altrex's CE approval there is a choice of two brands of hoists. If other brands of hoists are to be used, please contact Altrex.

Nihon Bisoh

- Bisomac 210 600 kg
- Bisomac 210 800 kg

Power Climber

- Astro 800 kg
- Titan 500/650 kg

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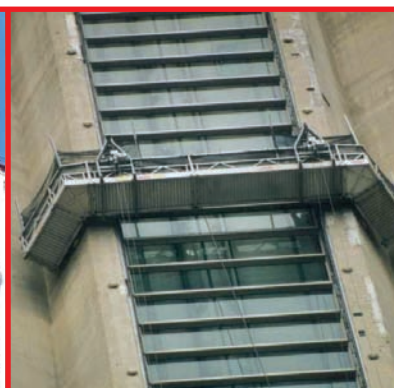
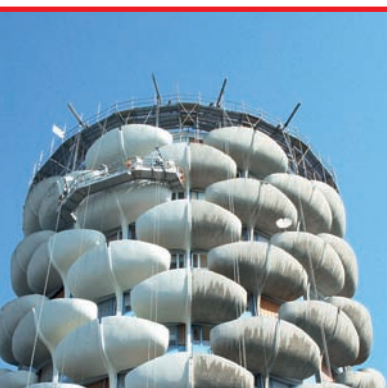


Custom-made Modular Suspended Platforms

With the various components of the Modular Suspended Platform System many custom-made configurations can be built. Altrex offers a solution for various complex access situations.

The Altrex specialists are pleased to provide advice regarding various options like, the double wide modular suspending platform and the usage of several corner sections. Also a number of special suspension systems are possible, such as davits and parapetclamps.

**To construct special suspended platform configurations,
please contact your Altrex dealer or Altrex
+31 (0)38 455 7733 for a manufacturer declaration**



A unique system with several benefits:

Internationally recognised and proven system

- Quality and safety because of
 - Special developed Aluminium Extrusions
 - Fulfils the strictest international safety standards: EN 1808 Machine Directive 98137 EC (CE approved)
- Flexibility because of
 - Many configurations are possible
 - Many possible applications
 - Compact transportation and storage
 - Fast assembly and dis-assembly
 - Low self weight – high capacity
- Many accessories
- Long lifetime

MHB 60

- Regular MHB assortment
- Many special configurations possible

MHB 80

- Higher load ability and / or longer lengths because of higher side- and u-frames
- Regular straight configurations possible, no special configurations



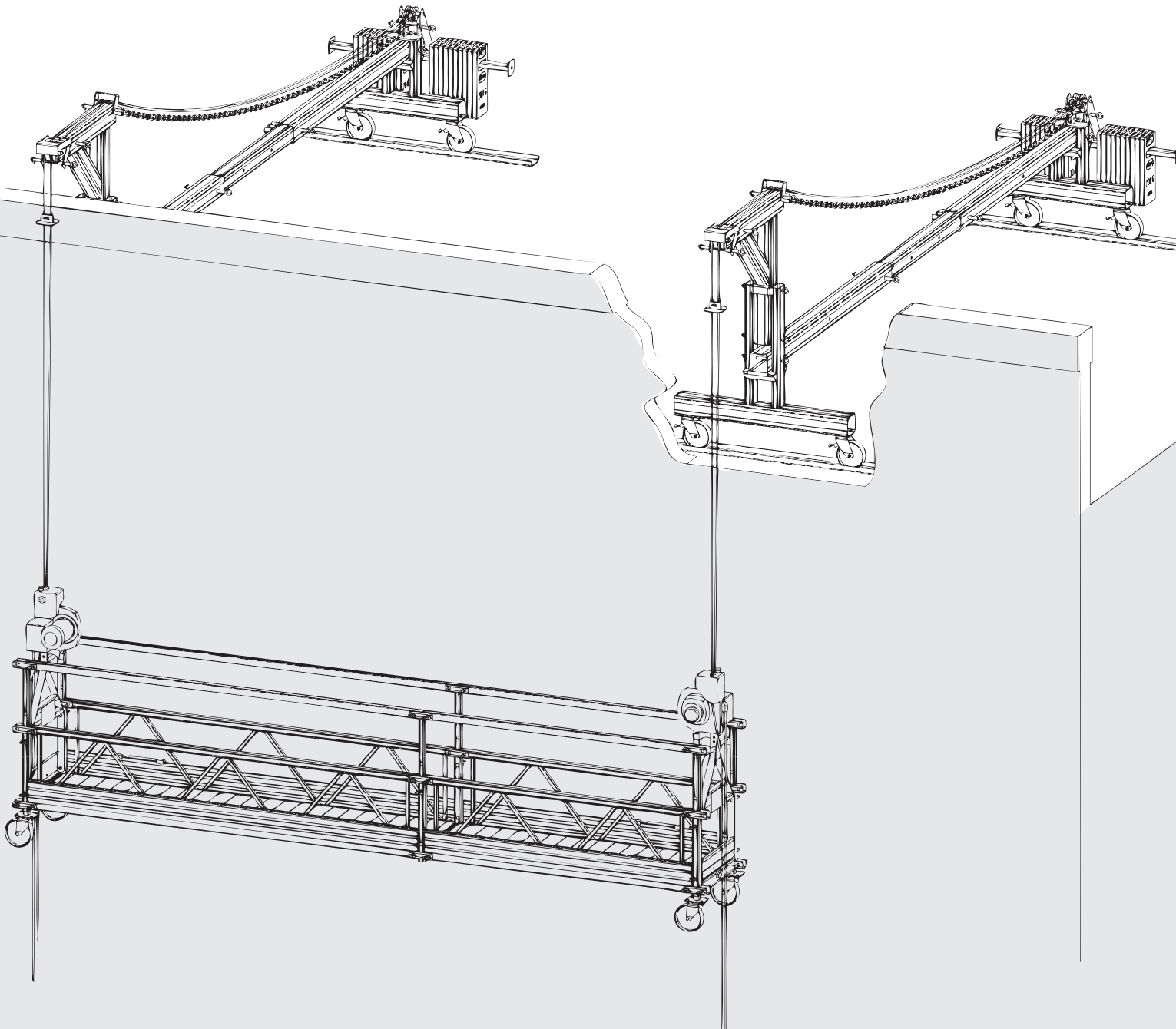
Typical applications:

Typical applications for The Modular Suspended Platform System (MHB) are:

- Construction
- Maintenance
- Renovation
- Painting
- Cleaning
- Concrete repair
- Cladding
- Inspection
- Boilers
- (under) Bridges
- Offshore
- Windmills
- Silo's

The versatility of the Altrex Modular Platform System is ideal for projects where traditional scaffolding is not practical or cost effective.

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MHB 60 with End Stirrups



Common used standard suspended platform configurations are Modular Suspended Platforms with end stirrups

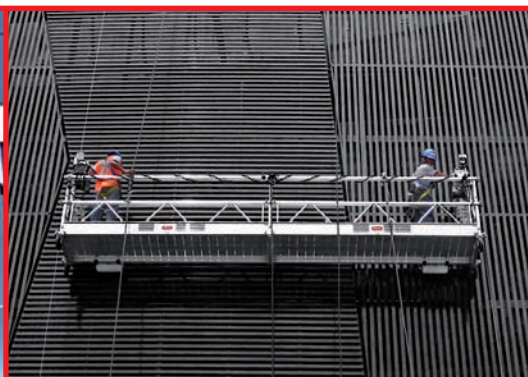
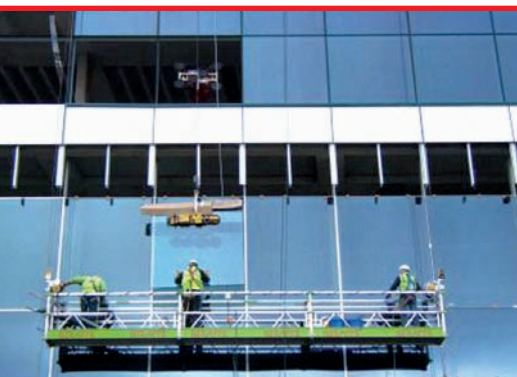
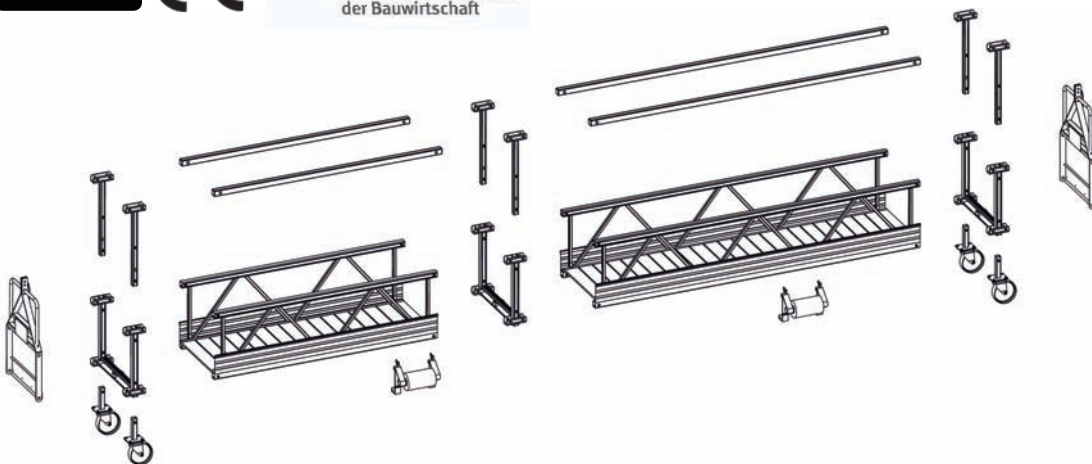
- End Stirrups with hoists mounted at both ends of the platform
- Maximum CE-rated platform length: 15 meter (25% longer than before!)
- Maximum distributed load: 1.180 kg (average 9% higher load ability than before)
- Also available with reversible closed decks

For configurations and load ability see page 45

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BG BAU
Berufsgenossenschaft
der Bauwirtschaft



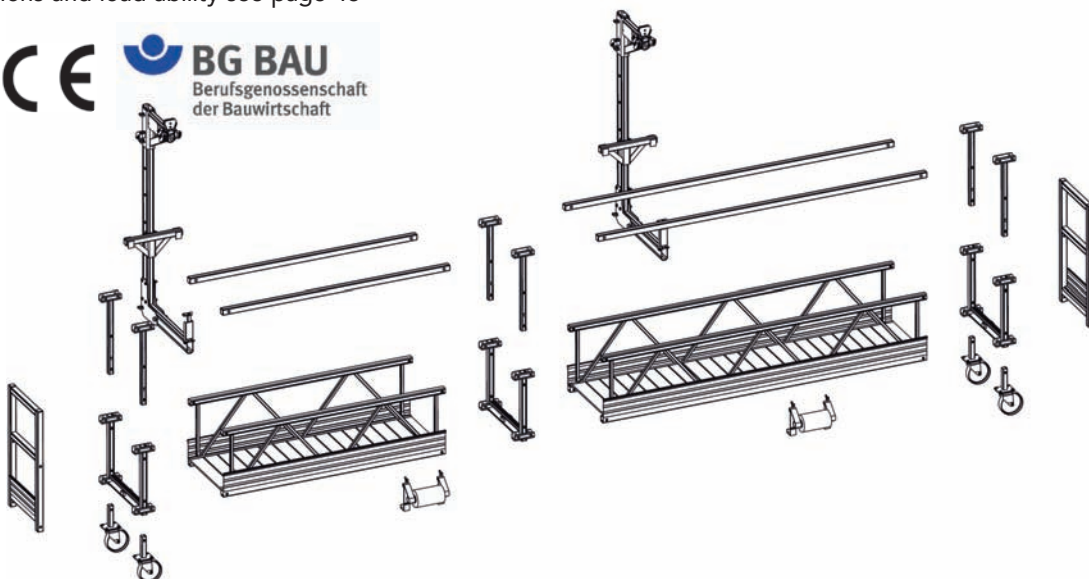
MHB 60 with Walk Through Stirrups



Also common used is the suspended platform with walk-through stirrups. Longer lengths are possible and because of the cantilever ideal for certain circumstances.

- Walk-through stirrups are used when the length of the whole suspended platform exceeds the length between the cables/hoists
- Cantilever (max. 3 m) for easy suspension (for example in corners)
- Maximum distributed load: 1150 kg (average 29% higher maximum load, than before)
- With walk-through stirrups, extreme lengths can be achieved (21 m)
- Large working surface
- Easy to assemble lightweight walk-through stirrup
- Maximum platform length CE approved 21 meter

For configurations and load ability see page 46



MHB 80 with End Stirrups



New! MHB 80!

Altrex introduces the MHB 80. A suspended platform with a higher load ability and the possibility to build longer lengths comparing to the MHB 60 (regular MHB system). MHB 80 is based on MHB 60, thereby a lot of MHB parts are interchangeable for MHB 60 and MHB 80. MHB 80 has 2 new parts, a higher U-frame and a higher side-frame.

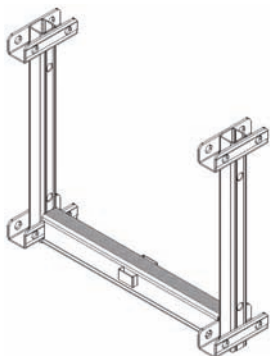
- In addition to the existing system
- Most of the components are interchangeable with MHB 60
- Maximum platform length CE approved 18 m (20% longer comparing to MHB 60)
- Maximum distributed load: 1160 kg (average 29% higher load ability comparing to MHB 60)

Remark:

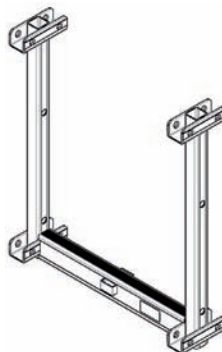
There is also an adaptor available which can upgrade a MHB 60 U-frame to a MHB 80 U-frame. By using the adapters (2 for each U-frame), there are only new MHB 80 side-frames necessary to be able to use the higher MHB 80 load ability and longer platform lengths.

For configurations and load ability see page 48

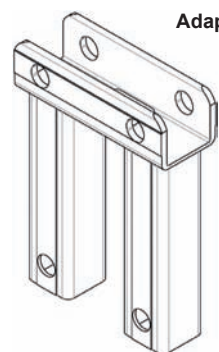
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MHB 60



MHB 80



Adapter MHB 60-80

MHB 80 with Walk Through Stirrups

New! MHB 80!



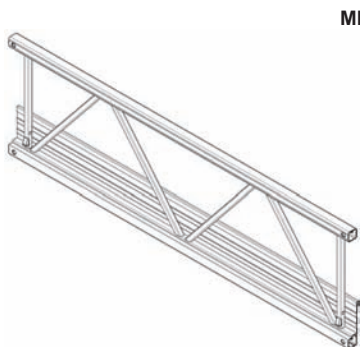
MHB 80 is also available with walk-through stirrups, besides the regular benefits for MHB 80 (longer lengths and higher load ability) it also has the advantages of the walk-through stirrup.

- Walk-through stirrups are used when the length of the whole suspended platform exceeds the length between the cables/hoists
- Cantilever (max. 4 m) for easy suspension (for example in corners)
- In addition to the existing system
- Most of the components are interchangeable with MHB 60
- Maximum platform length CE approved 26 m (24% longer comparing to MHB 60)
- Maximum distributed load: 1150 kg (average 45% higher load ability comparing to MHB 60)

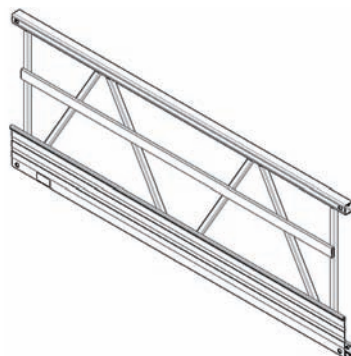
Remark:
There is also an adaptor available which can upgrade a MHB 60 U-frame to a MHB 80 U-frame. By using the adapters (2 for each U-frame), there are only new MHB 80 side-frames necessary to be able to use the higher MHB 80 load ability and longer platform lengths.

For configurations and load ability see page 50

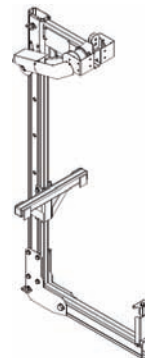
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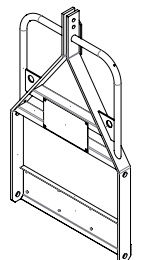
MHB 60



MHB 80



Universal 60-80



MHB 60 with Fixed Corner Sections



Corner sections can be used to follow the contours of the structure precisely and allow access within 30 to 60 cm of the working surface. You can choose from a variety of fixed and adjustable corner sections.

Please be sure to consult your Altrex supplier for factory approval for each configuration. Please consult your Altrex dealer with your specific application requirements.

Fixed Corner Sections

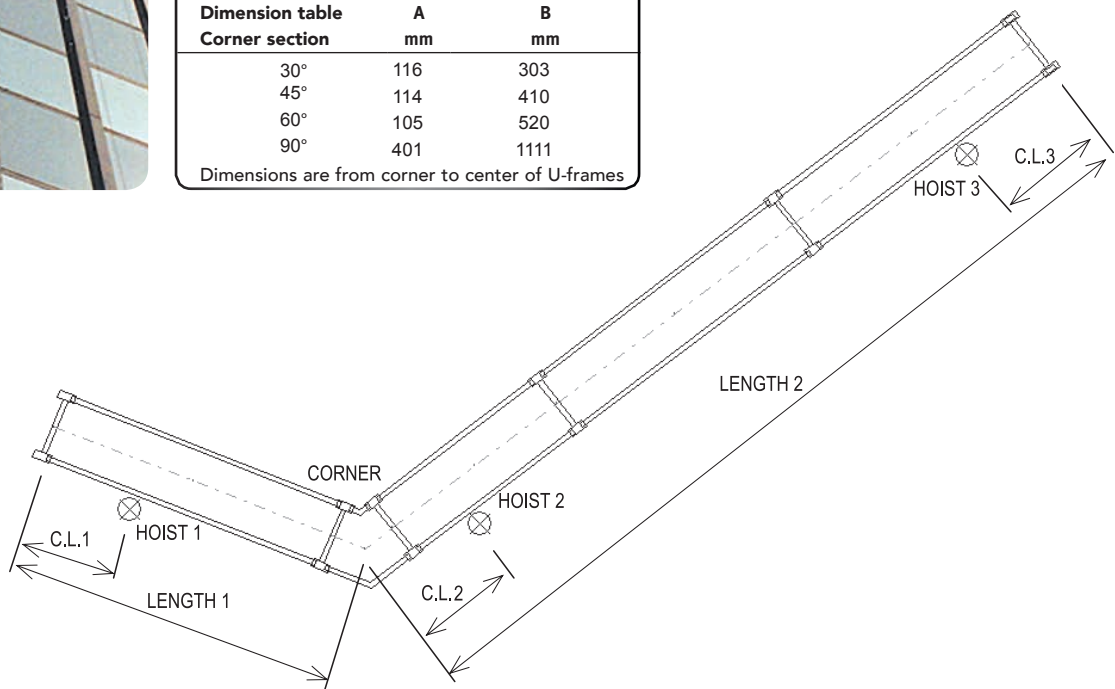
- Light weight aluminium construction
- Mounts to the U-frame with connection pins
- Supplied with Guardrails
- Economical solution
- Available in 4 separate angles: 30°, 45°, 60° and 90°

Load capacity and configuration tables

Regardless of the used type or angle of corner section, the load capacity of any L-shaped platform configuration with three hoists is limited to 250kg in total (two men with light equipment).

Dimension table Corner section	A mm	B mm
30°	116	303
45°	114	410
60°	105	520
90°	401	1111

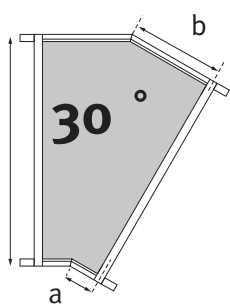
Dimensions are from corner to center of U-frames



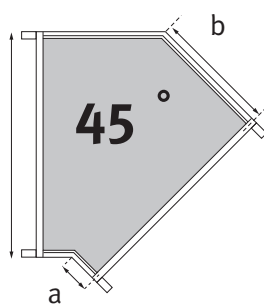
Hoist position table (fixed and corner sections)

Example: Length 1 = 3m - corner 60° - 2m - 3m - 3m
with C.L.1 = 1m, C.L.2 = 1m and C.L.3 = 1m

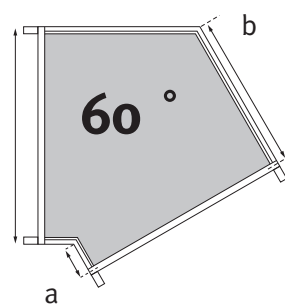
Length 1 (m)	C.L. 1 (m)	C.L. 2 (m)	Length 2 (m)								
1	0	1	5	6	7	8	9	10	11	12	
2	0	1	5	6	7	8	9	10	11	12	
3	0;1	1	5	6	7	8	9	10	11	12	
4	0;1	1	5	6	7	8	9	10	11	12	
5	0;1;2	1	5	6	7	8	9	10	11	12	
6	0;1;2	1	5	6	7	8	9	10	11	12	
C.L. 3 (m)			0;1	0;1;2	0;1;2	0;1;2	0;1;2;3	0;1;2;3	0;1;2;3	0;1;2;3	



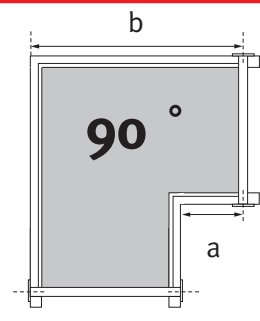
423065



423060



423055



423050

MHB 60 with Adjustable Corner Sections

The adjustable corner section can form angles from 20 to 90 degrees.

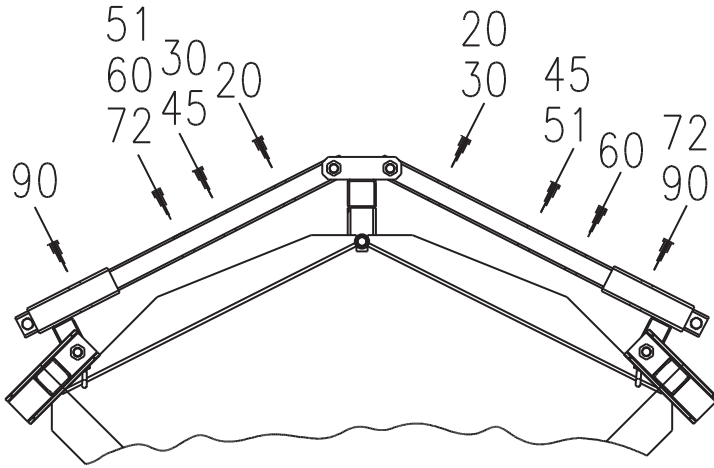
Advantages of The Altrex Adjustable Corner Section:

- Unique in design and construction
- Makes platform assembly and rigging easier
- To be used in combination with the rest of the suspended platform
- Assembly by means of connection pins
- Can make corner sections of 20, 30, 45, 51, 60, 72 and 90 degrees in order to make easy angle changes!
- Manufactured from anti-corrosive steel combined with aluminium components
- Can be used with a wide variety of platform configurations
- Can be supplied with a spindle for ease of adjustment (option)
- Ideal for rental companies, one part, many possibilities

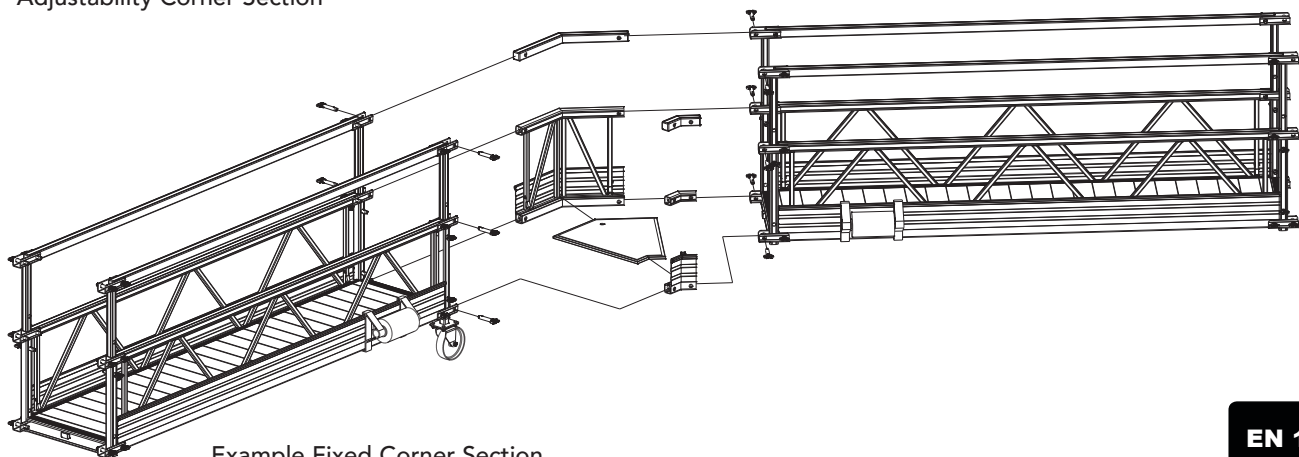
Finally, this unique adjustable corner section will allow for storage component reduction (cost saving!) compared with fixed corner sections.

Load capacity and configuration tables

Regardless of the used type or angle of corner section, the load capacity of any L-shaped platform configuration with three hoists is limited to 250kg in total. (two men with light equipment).

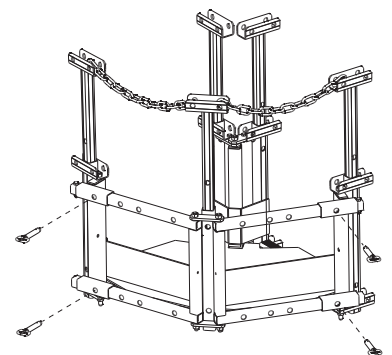


Adjustability Corner Section

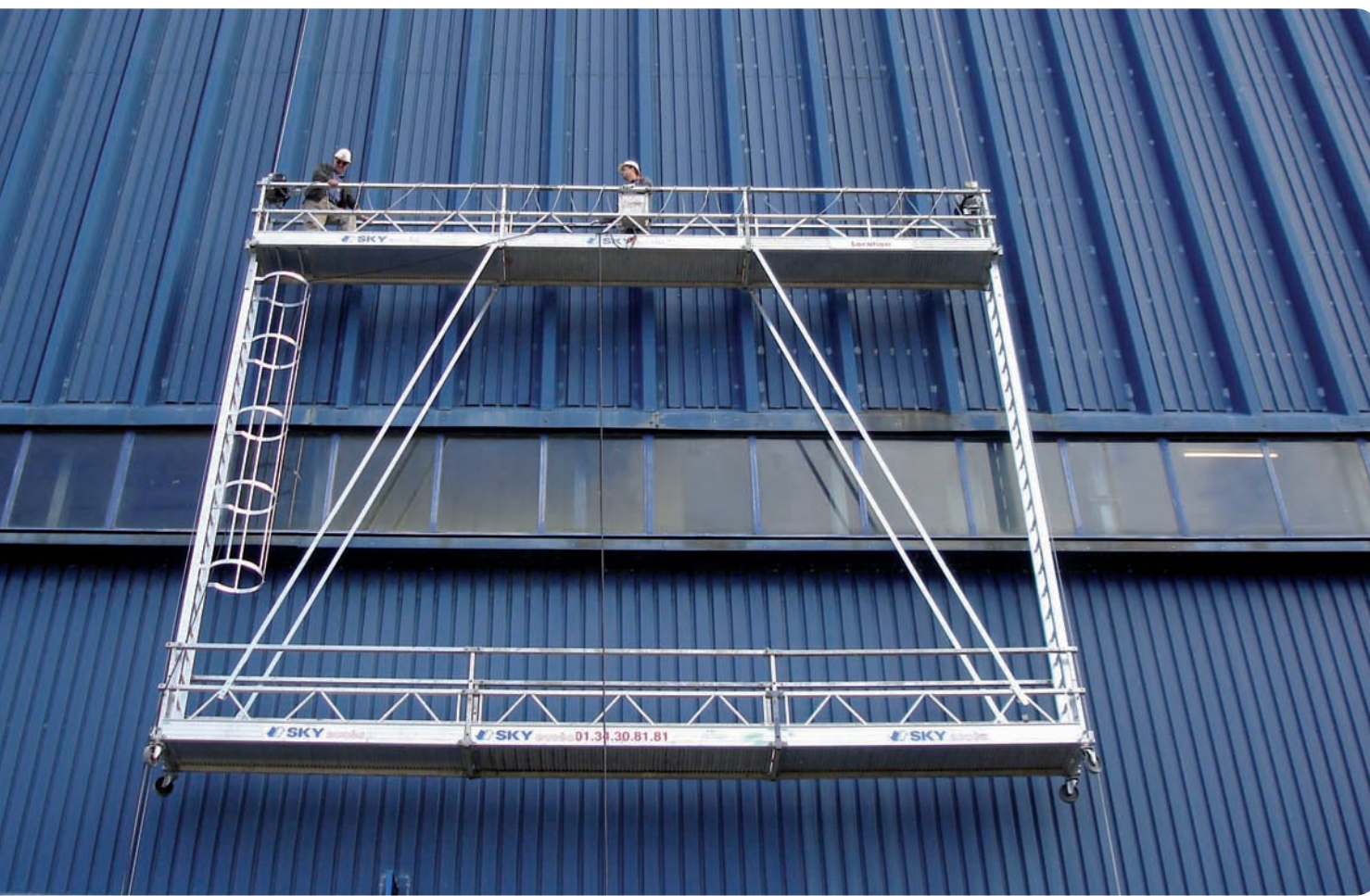


Example Fixed Corner Section

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MHB 60 Double Deck Suspended Platform



By adding a Double Deck Kit, the standard Altrex Modular Platform system (MHB 60) can be configured into a multi-level platform, which allows workers simultaneous access on different levels. A ladder type frame is connected at each end of the platform. By using the trapdoor in the upper deck, the workers can safely climb from one level to the other via the ladder with safety cage. The configuration of each platform level should be the same.

Advantages of the double deck kit:

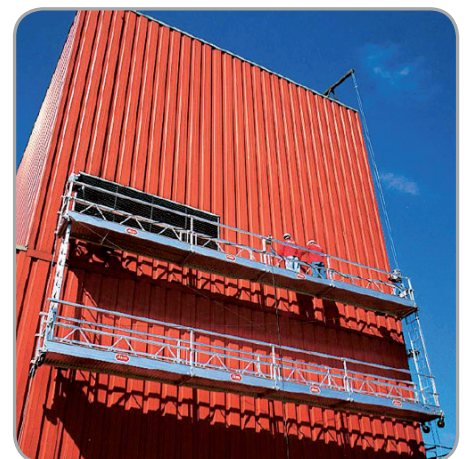
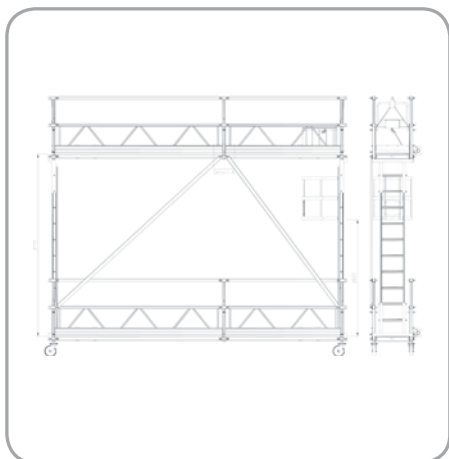
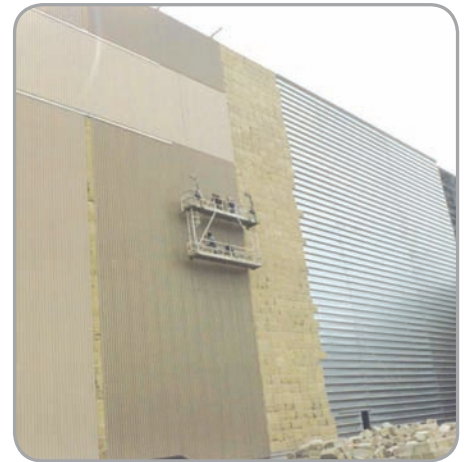
- Working on different levels simultaneously
- Only two hoists required for lifting the complete platform
- Minimal amount of roof rigging required
- Standard vertical height between levels: 3m (optional adjustments available)
- Stable construction of platform arrangement
- Platform lengths from 3 m to 12 m (depending on lifting capacity of hoists and rigging used)
- Ideal for applications such as cladding (siding) and glazing

Please be sure to consult your Altrex-dealer or Altrex for factory approval for each configuration.

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MHB 60 Double Deck Suspended Platform



MHB 60 One Man Work Cage

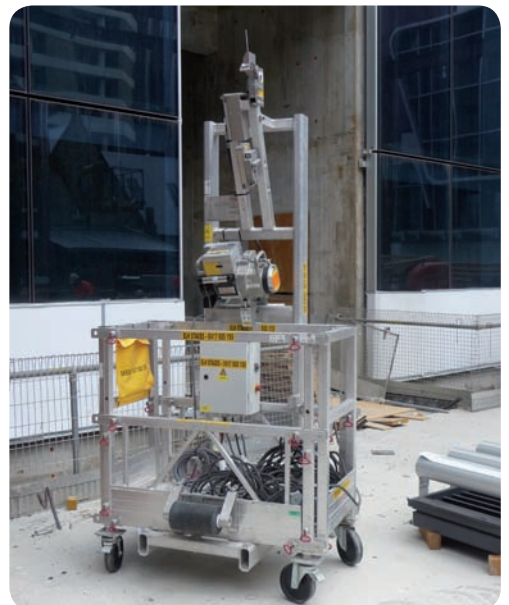


The one-man Work Cage is the ideal solution for quick maintenance and inspection where only 1 person is required. By using a small platform and only one roofbeam, the system can be (dis)assembled very quickly.

- Maximum length: 2m
- Provided with 1 hoist mounted to Walk Through stirrup (double)
- Practical solution in tight spaces

Please be sure to consult your Altrex-dealer or Altrex for factory approval for each configuration.

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Boiler Stage

The Boiler Stage is especially designed for use in enclosed spaces that cannot be accessed with standard equipment because of their size. Specifically, this applies to situations where the access entrance is in between 450 and 600mm in diameter with a maximum wall thickness of 180mm.



Characteristics of the Boiler Stage are:

- Standard module length of 1, 2 and 3 m
- Distance between stirrups max. 12 m
- Max. length 14 m (incl. two cantilevered platforms of 1 m each)
- Max. load on cantilevered platforms 150 kg
- Foldable decks
- Two part stirrup, which can be placed anywhere on the platform and provides support under the deck
- Tailor made boiler stages can be designed for non-standard applications
- Ideal for applications such as thermal power plants, silos, tanks and ships

Configuration table may differ per country

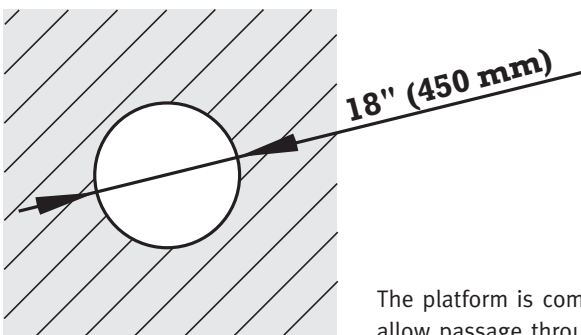
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Total platform length (m)	Hoist distance (m)	Self weight (kg)	Rated load (kg)
3	2.5	92	390
4	3.5	123	500
5	4.5	147	400
6	4.2 - 5.5	171	350
7	5.2 - 6.5	201	320
8	6 - 7.5	225	290
9	7 - 8.5	249	280
10	7.5 - 9.5	279	270
11	8 - 10.5	303	250
12	9 - 11.5	327	250

* weight includes: two wall rollers, four castor wheels but excludes two hoists and accessories.

** SWL = Safe Working Load

Please be sure to consult with your Altrex-dealer or Altrex for factory approval for each configuration.



The platform is completely modular. All components are detachable to allow passage through a manhole of \varnothing 18 inch (450 mm)



Aluminium Roofbeams

As an aluminium specialist, Altrex has designed a unique aluminium roof beams system. This roof beam is made almost 100% out of aluminium.

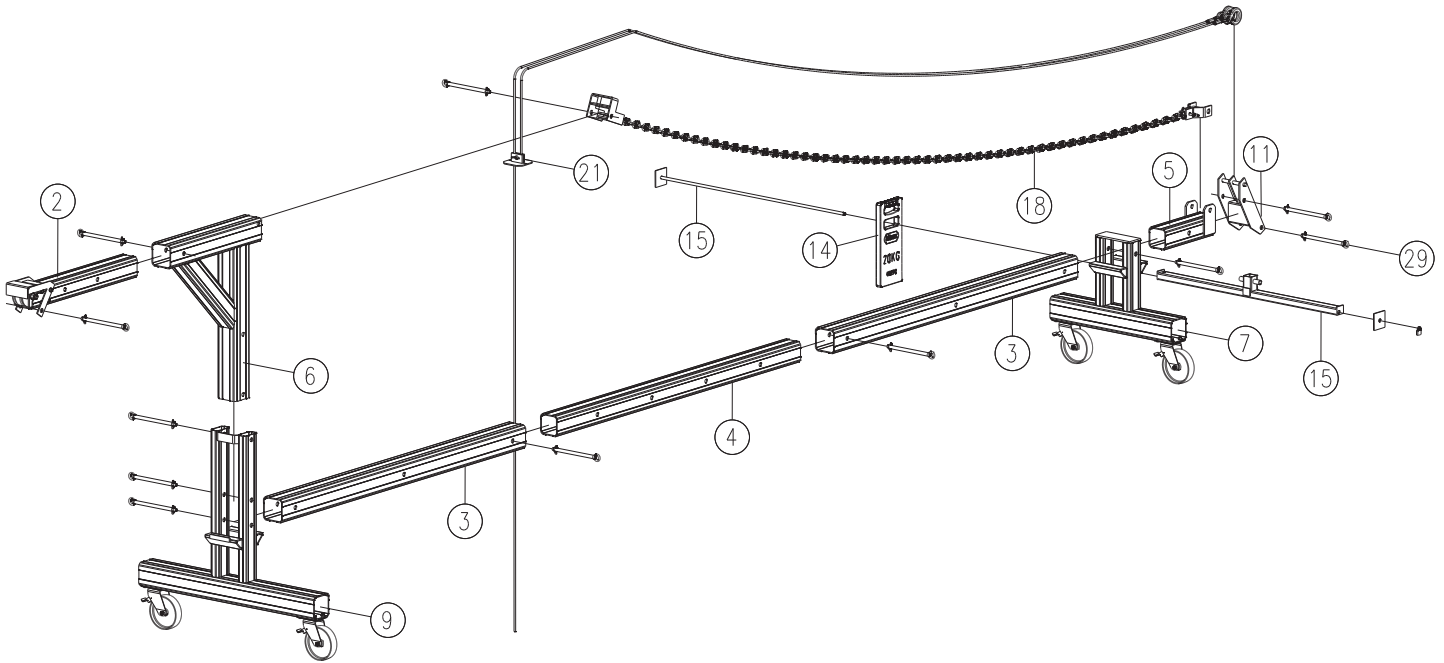
The advantages of this roof beam are:

- Low weight per component because of aluminium parts
- Assembled from just a few different components
- Easy to transport: every component fits in a standard (passenger) elevator
- Assembly without tools
- Ergonomically shaped counterweights with handle
- Patented integrated shock absorber
- Various options for different parapet heights (high and low versions)
- CE-approved (as part of the complete Altrex system)
- Variable distances between front and rear support (4.50 - 5.00 - 5.50 meter)
- Outreach (possible from 0.90 to 2.20 meter)
- Optional: extra long part for longer outreach and shorter exterior beam for short wheel base

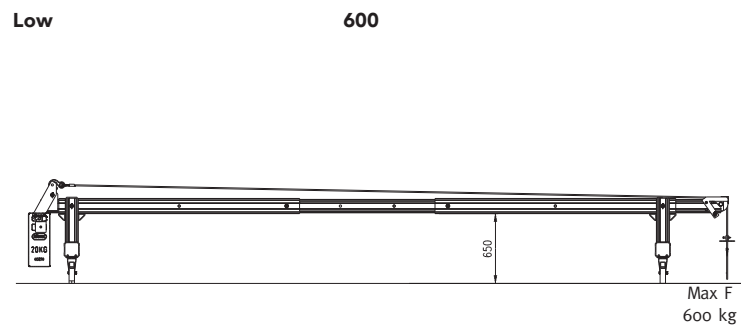
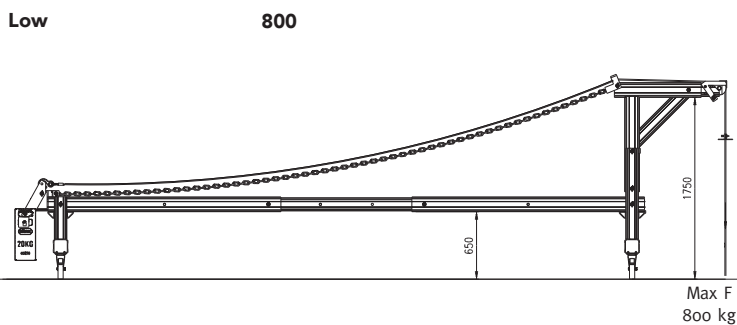


800 low

800 low

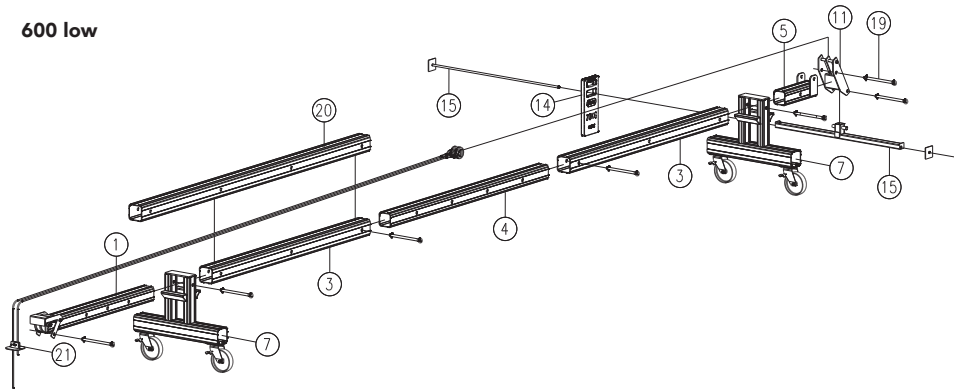


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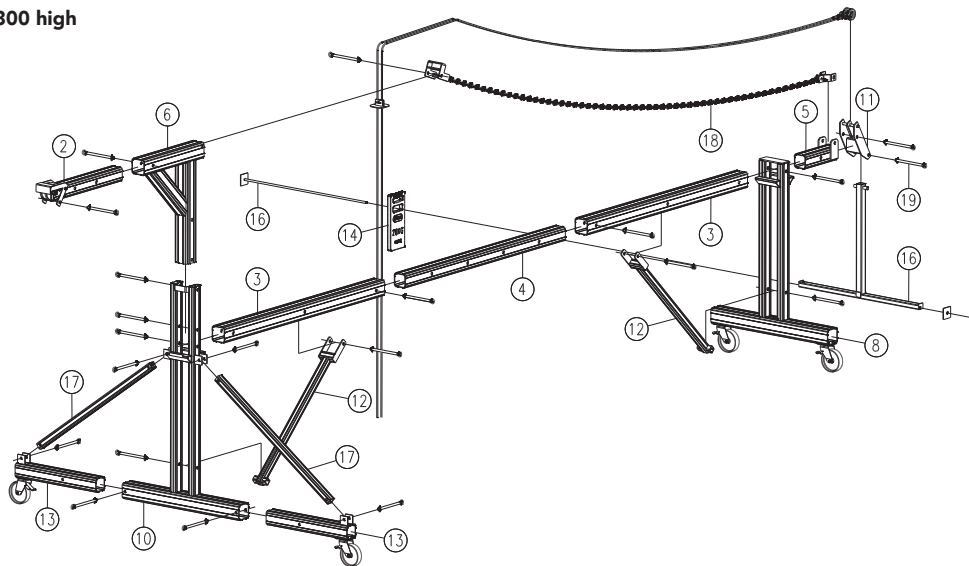


Aluminium Roofbeams

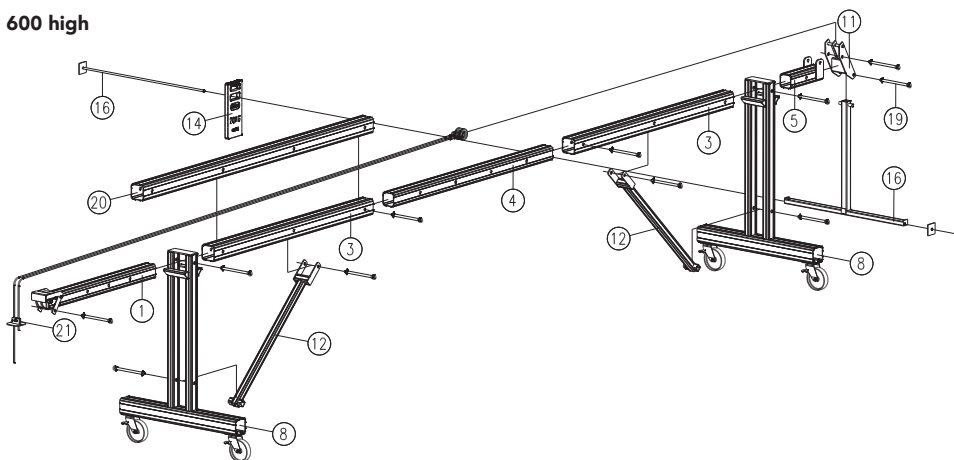
600 low



800 high



600 high

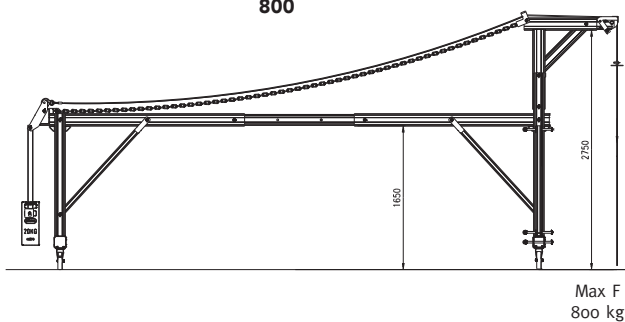


1. Frontbeam 600
2. Frontbeam 800
3. Outerbeam
4. Innerbeam
5. Shockabsorber adapter
6. Stanchion 800
7. Supportstand 900 low
8. Supportstand 1300 high
9. Supportstand 1300 low
10. Supportstand 2300
11. Shockabsorber arm
12. Brace
13. Front extension with wheel 2300
14. Counterweight
15. Counterweight bracket short incl. lock
16. Counterweight bracket long incl. lock
17. Brace front supportstand 2300
18. Chain tensioner complete
19. Connection pin



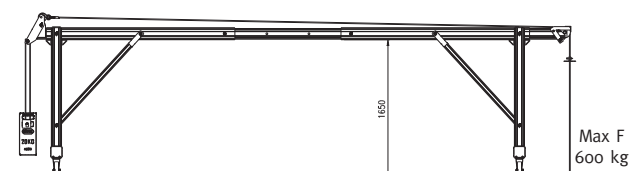
High

800



High

600



Max F
600 kg

Electrical Hoists

In addition to suspended platforms and roof beams, Altrex also supplies various hoists of different brands for the Modular Suspended Platform System.

Nihon Bisoh Hoist

BISOMAC 210 Traction Hoist: for Altrex Modular Suspended Platform System (60 - 80 MHB). Developed with NIHON BISOH's exclusive advanced technology, the new BISOMAC 210 Traction Hoist is the next-generation traction hoist for the new era of ultra-high-rise buildings. Easy to maintain and highly durable, this full-powered, full-featured traction hoist is remarkably compact and lightweight. Altrex has received from her partner in Japan, Nihon Bisoh, the exclusive rights for distributing the new CE-version of the BISOMAC 210 Traction Hoist.

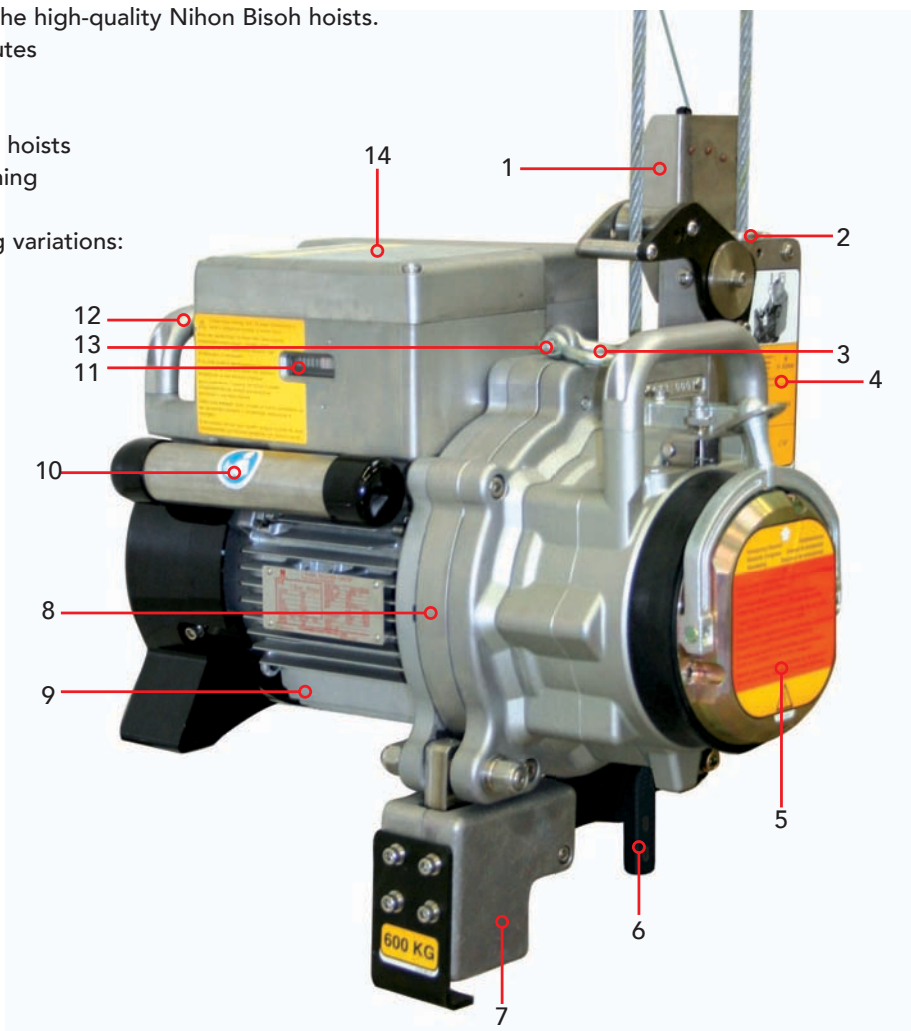
Altrex is the exclusive distributor in Europe of the high-quality Nihon Bisoh hoists.

- Annual maintenance which takes just 45 minutes
- Substantially fewer parts
- Compact and user-friendly
- Quiet; 50% less noise in comparison to other hoists
- Request Altrex for use and maintenance training

Nihon Bisoh hoists are available in the following variations:

- Bisomac 210 600 kg (art.nr. 546010)
- Bisomac 210 800 kg (art.nr. 546011)

1. Upper / Ultimate Limit
2. Safety Wire Rope Inlet
3. Suspension Wire Rope Inlet
4. Slack Rope Device
5. Electromagnetic Brake
6. Stirrup Mounting Holes
7. Overload device
8. Side Cover for Sheave
9. Electric Motor
10. Instruction Manual
11. Hour Meter
12. Carrying Grips
13. Lifting Eyelet
14. Mother Board System



- BISOMAC 210: developed and produced by Nihon Bisoh
- The biggest rental company of the world with over 10.000 hoists
- Works with Altrex Modular Suspended Platform System
- Produces high quality Traction Hoists for over 40 years
- Proved system of new BISOMAC 210 with Altrex suspended platforms (MHB): hoists already in use in Japan and USA. Now also in Europe!

Central Control Box

- Hold to run 'up/down' operating buttons
- Emergency stop
- Hoist selector switch (left/both/right)
- Automatic levelling system
- Overload indicator light
- 220V plug outlet for hand tools
- Phase protector for three phase hoists

EN 1808



Electrical Hoists

Related products

Description	Phase	Art.nr.
CCB Bisomac 210	1 phase	546110
CCB Bisomac 210	3 phase	546111
Cover Bisomac Hoist		546210
Overspeed device Bisomac		546113
Cable 9.2 mm Bisomac		550091
Cable 9.2 mm Bisomac cut to length		550092
Top limit plate		544009
Electricity cable	1 phase	549081
1PH Powercable cut to length		549082
Electricity cable	3 phase	549083
3PH Powercable cut to length		549084

Specifications

Rate load	800 kg	600 kg
Lifting speed	8.5 m/min.	8.5 m/min.
Electric motor	1.5 kW	1.5 kW
Voltage	400 V	230 V
Phase	3-phase, 50 Hz	1-phase, 50 Hz
Diameter	9-9.5 mm	9-9.5 mm
Control	Central	Central
Dimensions	504 x 386 x 377 mm	504 x 386 x 455 mm
Weight	54 kg	56.5 kg

3Q: Quality, Quiet and Quick

Quality

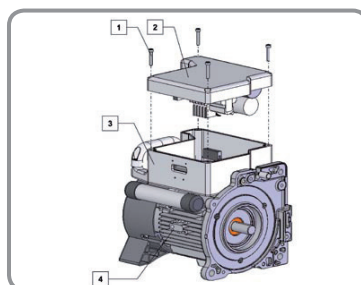
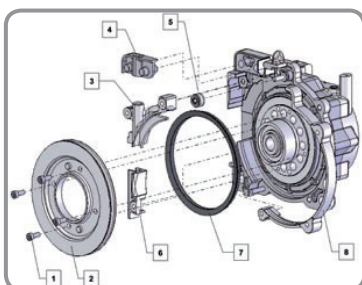
- **Safety**
 - CE approved
 - Designed to assure idiotproof operation and prevent malfunctions
 - Integrated devices include: Overload Device, Slack Rope Device, Upper/ultimate Limit, Rope End Limit (Optional: Overspeed Device)
- **Patented Sheave System**
 - Accuracy of the speed
 - Also suitable for ultra-high-rise buildings
 - Made of "Samurai" steel
- **Highly durable: long lifetime of all the components**
 - High quality of the parts in- and outside of the hoist
 - Strong aluminium casting
 - Many components from stainless steel

Quiet

- 50% less noise comparing other
- Important by working on building
- Quietness is a proof of the accuracy

Quick

- **Quick and user-friendly handling**
 - Remarkably compact and lightweight
 - Hoist and Central control box can be handled simple
 - Central controlbox operates all both hoists
 - Well balanced Two Ergonomic Carrying Grips for easy handling
 - Wire rope inlet is easy without tools needed
 - Easy storage because of balanced design
 - Manual is very clear
- **Quick performance**
 - Very capable of absorbing Voltage Drops Assuring Smooth, Steady Lifting for Skyscrapers
 - 200 m non-stop: due to the perfect cooling system for the motor
- **Quick and less maintenance**
 - Annual maintenance in 45 minutes
 - Substantial less components
 - Only few components to be checked for wear and tear
 - Designed for easy and quick assembly and disassembly from one side
 - Mother Board System with all electrical components is easy removable by removing only 4 bolts



Astro



Standard features

Self reeving traction hoist

- Load dependant traction system
- Two built in safeties:
 - o Slack rope safety device
 - o Overspeed safety device with electrical interlock
- Top limit switch
- Electro mechanical overload detection device
- Electro mechanical service brake
- No Power emergency descent system
- 'Power On' indicator light
- Hour meter
- Climbing speed: 8.5 m/min.
- Self weight : 52 kg
- Safety rope and suspension cable: Ø 9.5 mm, 80 kN for 800 kg

Hoist and related products:	
Description	Art.nr
Astro 800 kg	549062
Cable 9.5 mm Astro	549092
Cable 9.5 mm Astro cut to length	549093
Cover Astro hoist	544003
Top limit plate	544009
CCB Astro, 3 phase	549072
Electricity cable, 3 phase	549083
3PH Powercable cut to length	549084

Central Control Box

- Hold to run 'up/down' operating buttons
- Emergency stop
- Hoist selector switch (left/both/right)
- Automatic levelling system
- Overload indicator light
- 220V plug outlet for hand tools
- Phase protector for three phase hoists

Titan



Standard features

- Self reeving traction hoist
- Load dependant traction system
- Slack rope safety device
- Top limit switch
- Electro-mechanical service brake
- 'No Power' emergency descent system
- Electro-mechanical overload detection device
- Climbing speed: 8.5 m/min.
- Self weight: 45 kg
- Safety rope and suspension cable: 8.4 mm

Optional features

- Additional overspeed safety device (to add to existing slack rope safety device)
- Hourmeter

Hoist and related products:	
Description	Art.nr
Titan 500 kg 1 phase	543010
Titan 500 kg 3 phase	543011
Titan 650 kg 1 phase	543012
Titan 650 kg 3 phase	543013
Cable 8.4 mm Titan	549091
Cable 8.4 mm Titan cut to length	549093
Top limit plate	544009
CCB Titan, 1 phase	549071
Electricity cable, 1 phase	549081
1PH Powercable cut to length	549082
Electricity cable, 3 phase	549083
3PH Powercable cut to length	549084

Parts MHB



Sideframe MHB 60

- Light weight aluminium construction
- Integrated toeboard
- Integrated midrail

MHB 60

<u>421005</u>	<u>421001</u>	<u>421002</u>	<u>421003</u>
0.5 m Side Frame	1 m Side Frame	2 m Side Frame	3 m Side Frame
weight: 3 kg	weight: 5.95 kg	weight: 10.6 kg	weight: 17.4 kg



Sideframe MHB 80

- Light weight aluminium construction
- Integrated toeboard and midrail
- Stronger because of height of frame

MHB 80

<u>421110</u>	<u>421120</u>	<u>421130</u>
1 m Side Frame	2 m Side Frame	3 m Side Frame
weight: 6.9 kg	weight: 12.3 kg	weight: 19.9 kg



Deck

Reversible Decks (can be used on both sides)

- Light weight aluminum construction
- Enlarged durability by using the decks on both sides
- Small openings between deck sections to protect against strong updrafts (open version)
- Closed platform to prevent debris from falling (closed version)
- Rigid deck with no parts sticking out

<u>422905</u>	<u>422910</u>	<u>422920</u>	<u>422930</u>
0.5 m Alu Deck open	1 m Alu Deck open	2 m Alu Deck open	3 m Alu Deck open
weight: 3 kg	weight: 6.8 kg	weight: 12.2 kg	weight: 18.3 kg
<u>422605</u>	<u>422610</u>	<u>422620</u>	<u>422630</u>
0.5 m Alu Deck closed	1 m Alu Deck closed	2 m Alu Deck closed	3 m Alu Deck closed
weight: 3.4 kg	weight: 10.0 kg	weight: 14.5 kg	weight: 20.0 kg



MHB 60

U-frame

- Used to connect the sideframes and build the basic framework
- Light weight aluminium construction
- Guardrail Posts fit in easily

<u>421501</u>	<u>421502</u>
U-frame MHB 60	U-frame MHB 80
weight: 4.1 kg	weight: 4.8 kg



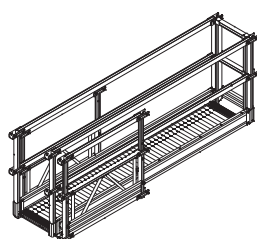
MHB 80



U-frame adapter MHB 60-80

- To convert a MHB 60 U-frame into a MHB 80 version

<u>421503</u>
U-frame adapter MHB 60-80
weight: 0.9 kg



Telescopic cantilever section

<u>423000</u>
Telescopic cantilever section

Parts MHB



End Stirrup

- Galvanized steel

423016 _____

End Stirrup
weight: 17.7 kg



Walk Through Stirrup (single)

- Several adjustable heights in one stirrup!
- Easy to adjust in different heights
- Low configuration provides a higher position to the top suspension point
- Ergonomically mounting by 1 person
- Low weight compared to other stirrups
- Saving space in storage compared to Double Walk Through Stirrup
- No loose parts

423021 _____

Walk Through Stirrup (single) Astro/Titan
weight: 30 kg

423022 _____

Walk Through Stirrup (single) Bisomac
weight: 30 kg



Walk Through Stirrup (double)

- Mounts virtually anywhere along the length of the platform to better align the stirrup with the rigging points
- No loose parts
- Enhanced durability by using aluminium and galvanized parts
- Also to be used as stirrup for one-man work cage

423019 _____

Walk Through Stirrup (double)
weight: 53 kg

423039 _____

Walk Trough Stirrup (double) Bisomac
weight: 53 kg



End Guardrail

- Light weight aluminium construction
- Used in combination with Walk Through Stirrups

423072 _____

End Guardrail
weight: 4.7 kg



Guardrail and Guardrailpost

- Light weight aluminium construction
- The height of the Guardrailpost is adjustable (max. height is 1.10 meter)
- Easy to use and time saving

421513 _____

Guardrailposts
weight: 0.8 kg

422005 _____

0.5 m Guardrail
weight: 0.5 kg

422001 _____

1 m Guardrail
weight: 1.65 kg

422002 _____

2 m Guardrail
weight: 2.97 kg

422003 _____

3 m Guardrail
weight: 4.28 kg

Parts MHB



Connection pin

- Locking pin

424001

Connection pin manually
weight: 0.3 kg



Quickpin MHB

- Innovative design
- Integrated locking pin for added safety
- Easy installation
- Easy to use and time saving

424031

Quickpin
weight: 0.4 kg

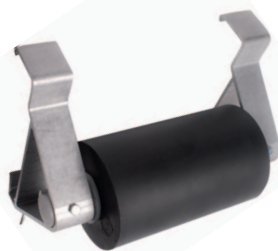


Castor Wheel

- Equipped with a galvanized wheel support
- Permits easy movement of the platform on the ground
- Can be mounted with connection pins in any U-frame along the platform
- Normally 4 castors are used, but on corner platforms and platforms over 12m, additional castors are recommended for easy movement and better support

423010

Castor Wheel
weight: 3.9 kg



Wall Roller

- Foam Rubber Roller
- Prevents damage to façade
- Flexible placement along the length of the platform
- Possible to mount any desired number of Wall Rollers on the toeboard

423030

Wall roller, Rubber
weight: 2.8 kg



Adjustable Corner Section

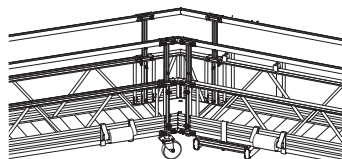
- Unique design
- Strong steel construction combined with light weight aluminium components
- Locks in the desired angle with quickpins (7 angles in one product: 20°, 30°, 45°, 51°, 60°, 72°, 90°)
- U-frames are included to mount directly to the Sideframes
- Flexible to any situation, you always have the right corner in stock!
- Adjustable Guardrail Chain and Guardrailposts also included

423069

Adjustable corner section (20°, 30°, 45°, 51°, 60°, 72°, 90°)
weight: 59 kg

Fixed Corner Section

- Light weight aluminium construction
- Mounts to the U-frame with connection pins
- Supplied with Guardrails
- Economical solution
- Available in 4 separate angles: 30°, 45°, 60° and 90°



423065

corner section 30°
weight: 9.2 kg

423060

corner section 45°
weight: 11 kg

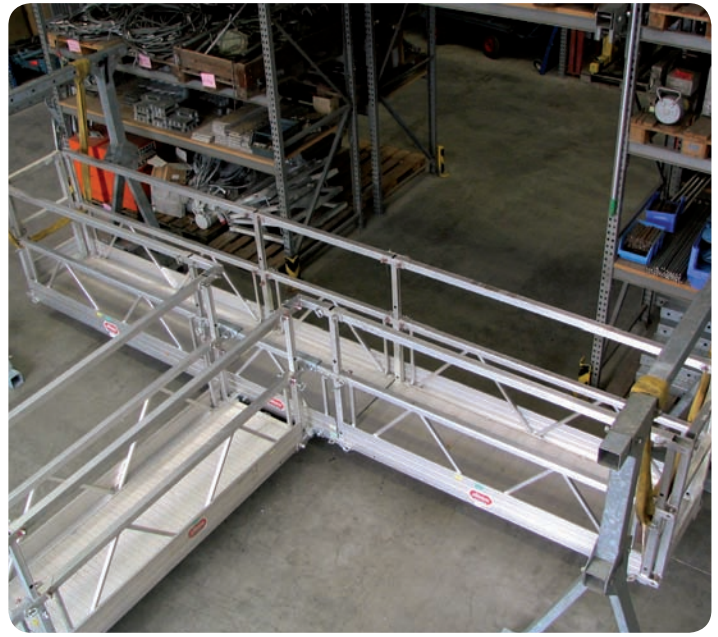
423055

corner section 60°
weight: 14kg

423050

corner section 90°
weight: 29kg

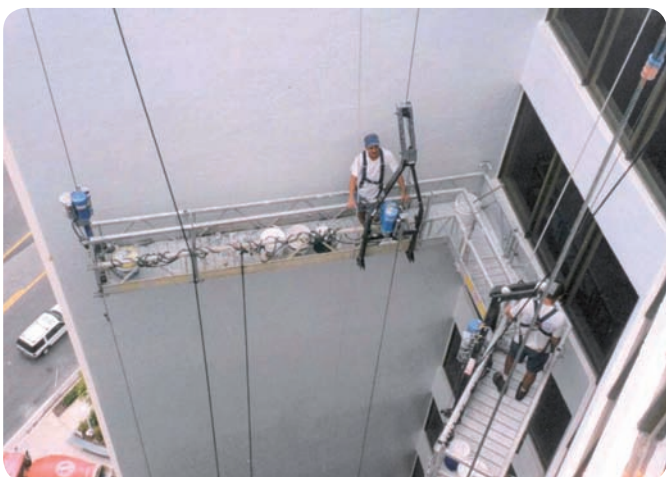
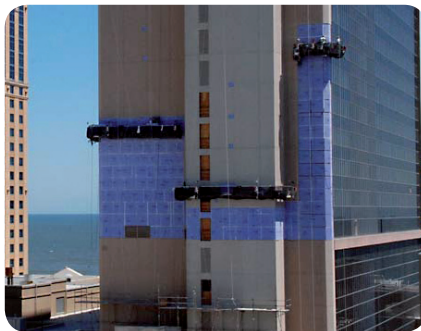
Specials and Accessoires



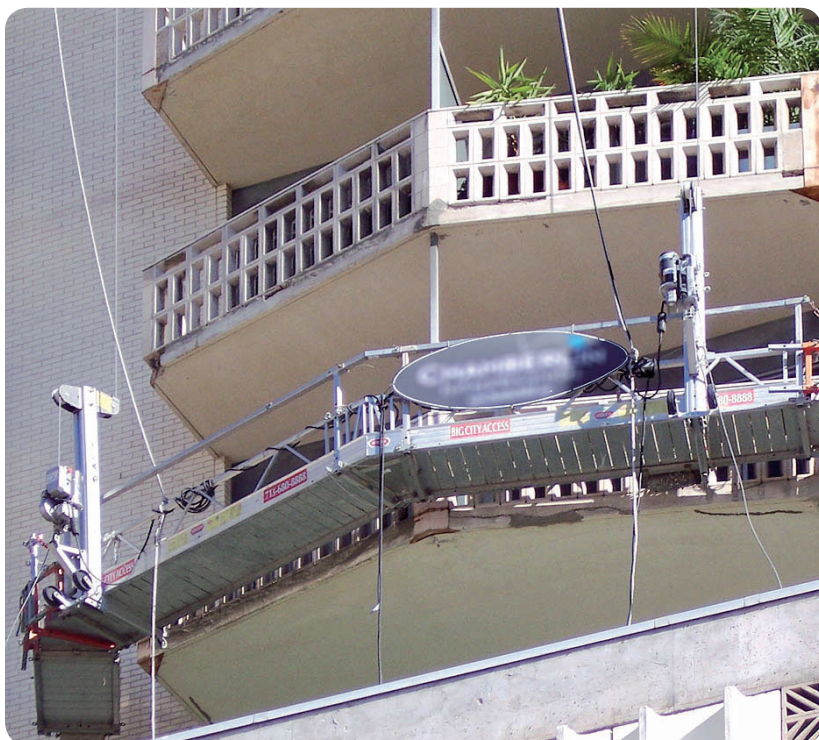
Specials and Accessoires



MHB 60 with Fixed Corner Sections



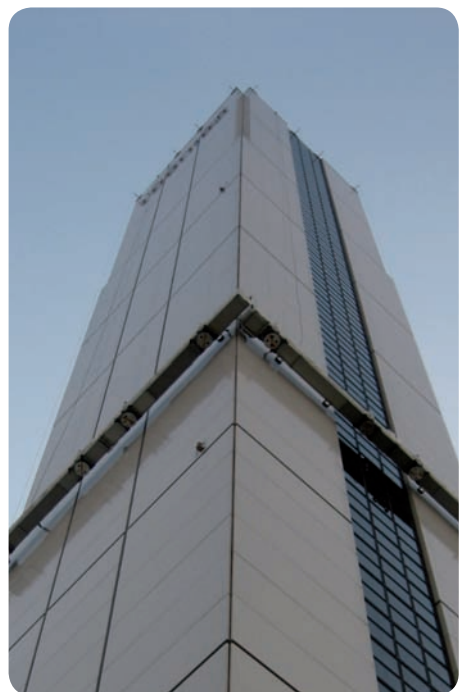
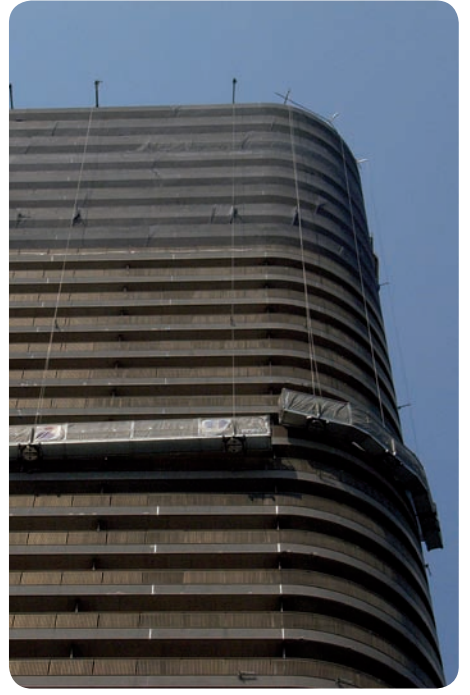
MHB 60 with Adjustable Corner Sections



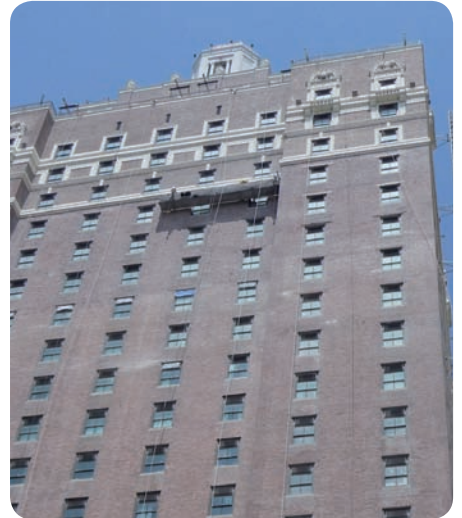
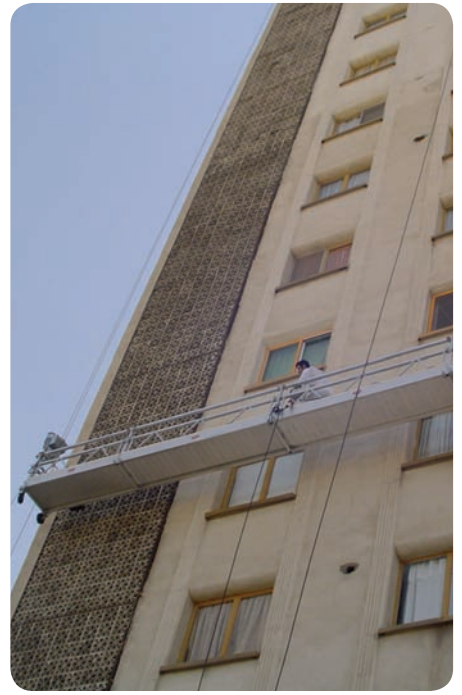
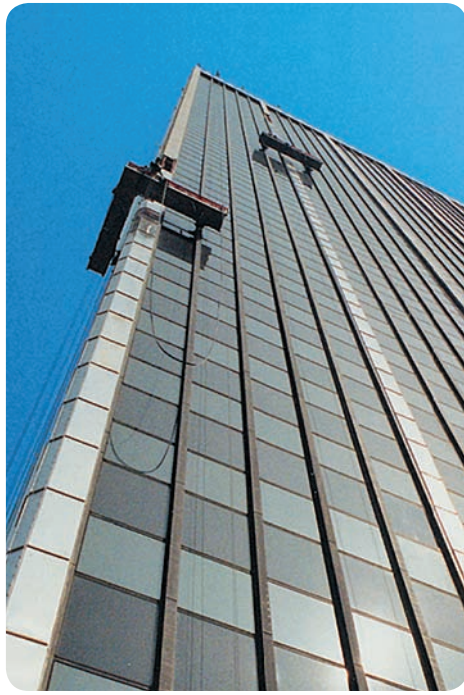
Office and High rise buildings



Office and High rise buildings



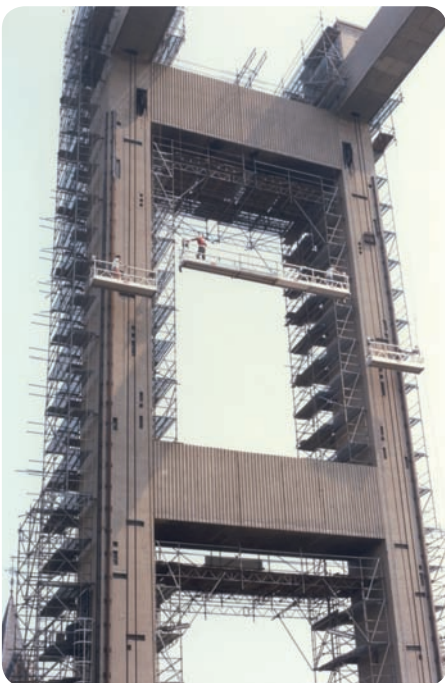
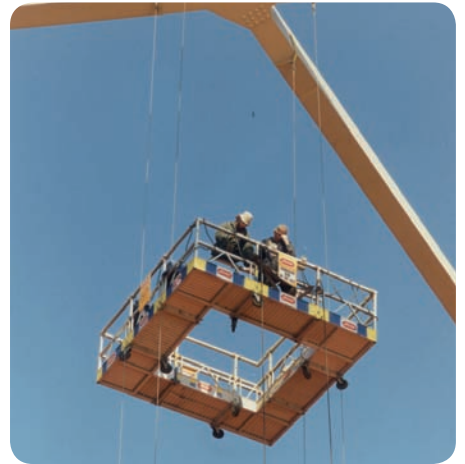
Office and High rise buildings



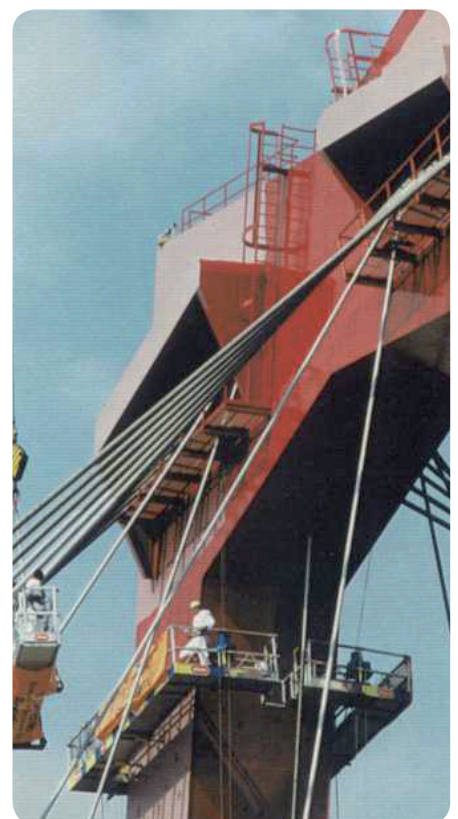
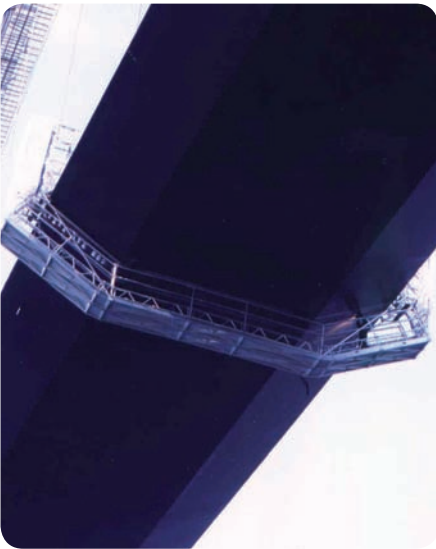
Chimney's and Towers



Bridges



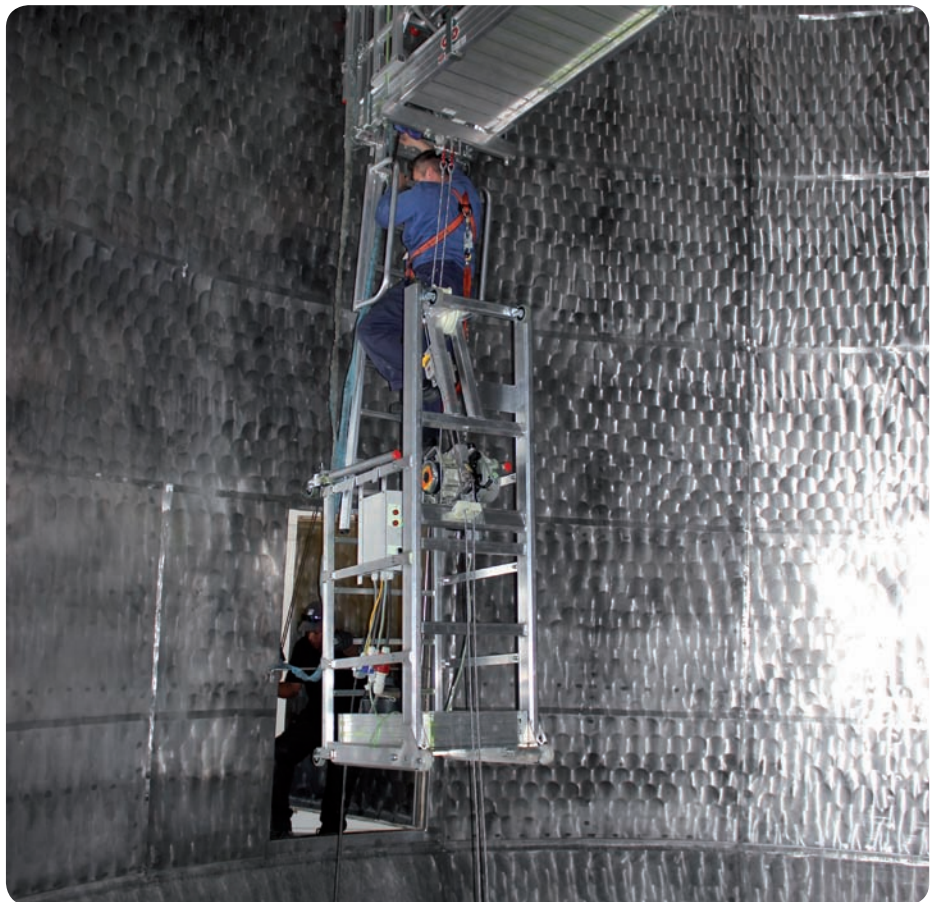
Bridges



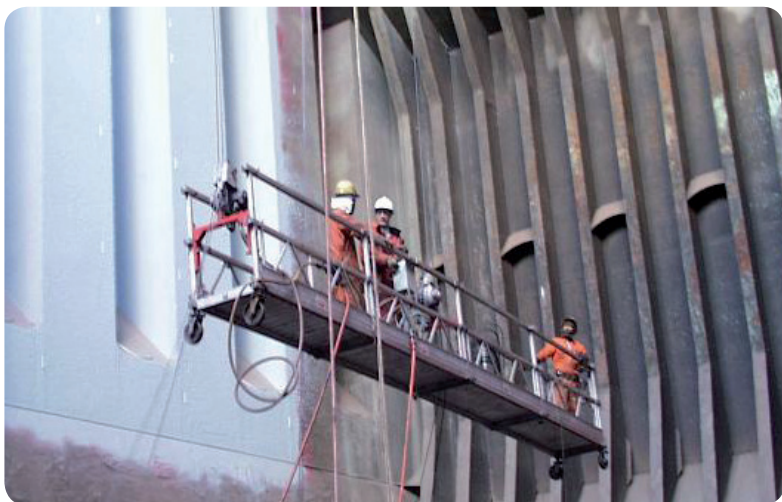
Stadiums



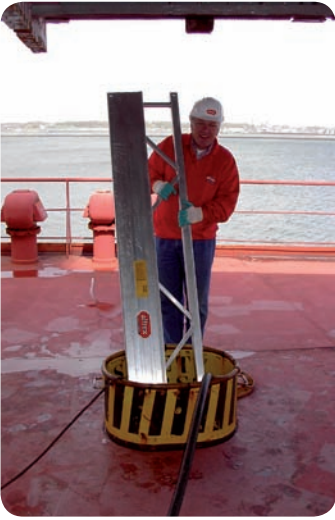
Boilers, Storage tanks and silo's



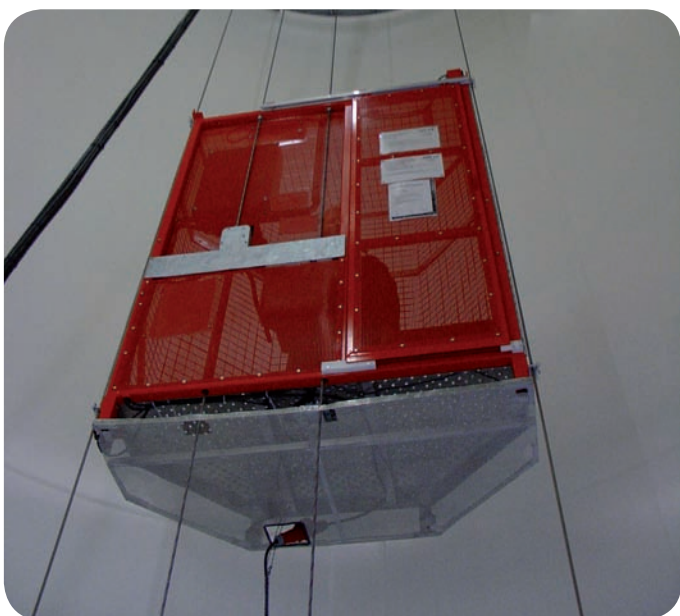
Marine and offshore



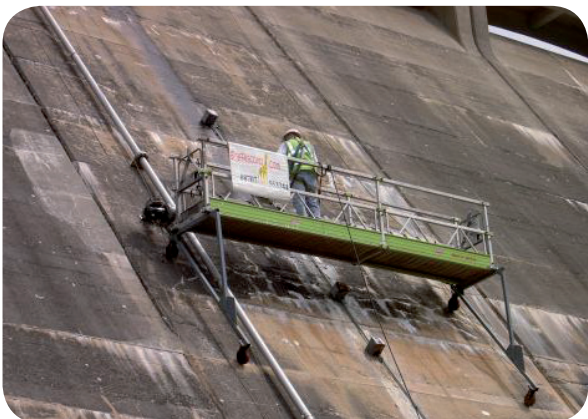
Marine and offshore



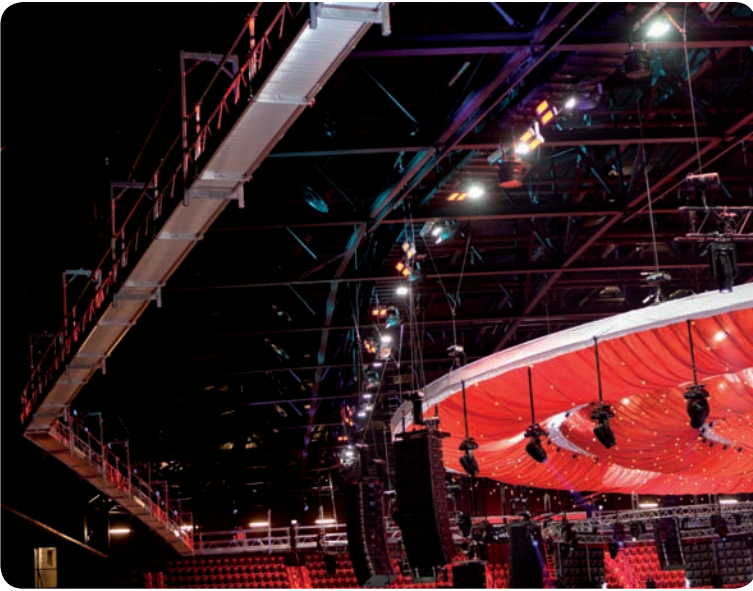
Windturbine



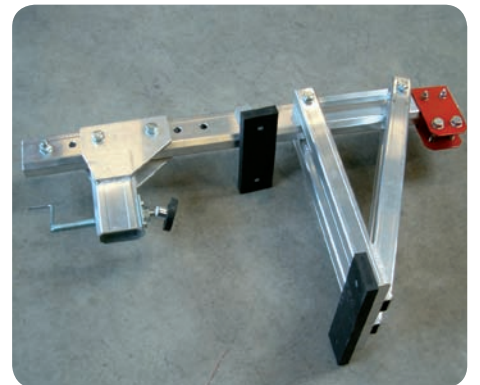
Dams and Globes



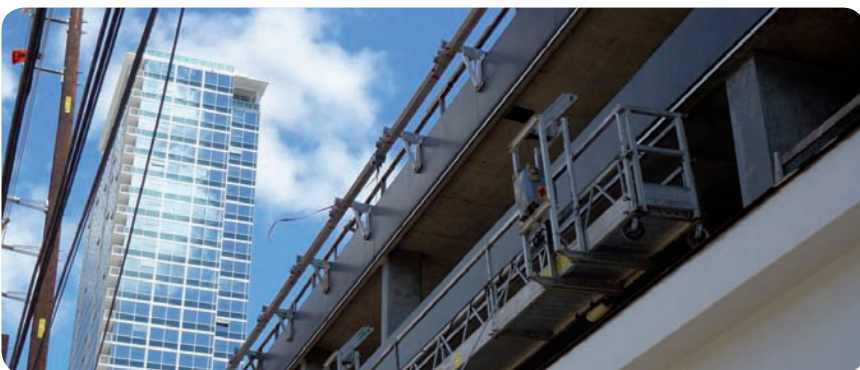
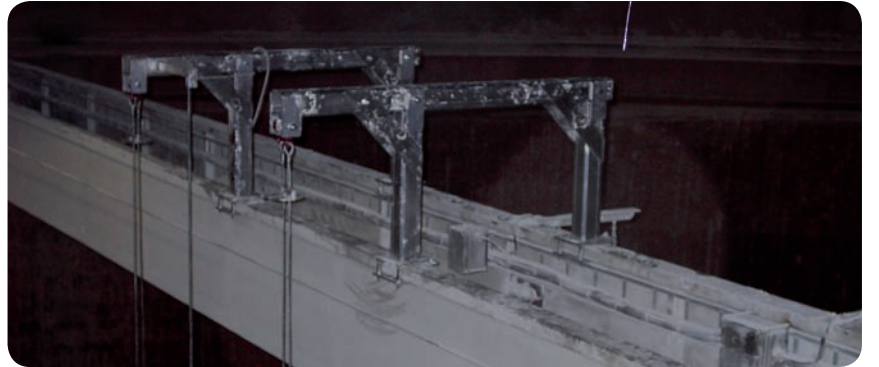
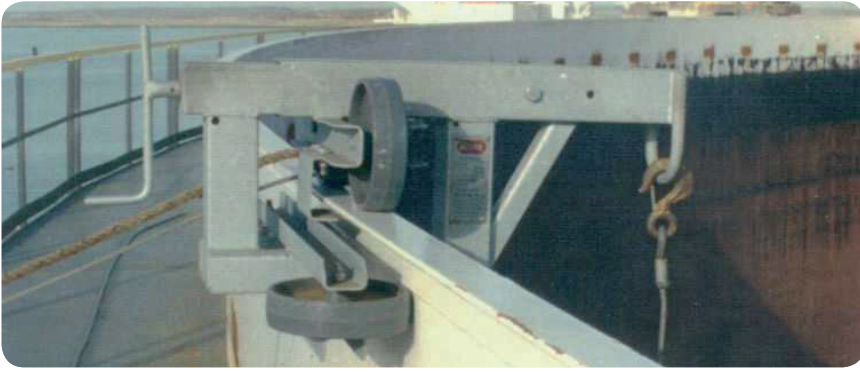
Concerts



Suspension Systems



Suspension System



MHB 60 with End Stirrups

Configurations

MHB 60 WITH END STIRRUPS			1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m	15m
Length MHB (m)	Configuration nr.	Weight (kg)	C002001	C002002	C002003	C002004	C002005	C002006	C002007	C002008	C002009	C002010	C002011	C002012	C002013	C002014	C002180
Description	Art.nr.	Weight (kg)															
Sideframe 1m MHB-60	421001	6.0	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sideframe 2m MHB-60	421002	10.6	-	2	-	4	2	-	4	2	-	4	2	-	4	2	-
Sideframe 3m MHB-60	421003	17.4	-	-	2	-	2	4	2	4	6	4	6	8	6	8	10
U-frame MHB-60	421501	4.1	2	2	2	3	3	3	4	4	4	5	5	5	6	6	6
Guardrailpost	421513	1.0	4	4	4	6	6	6	8	8	8	10	10	10	12	12	12
Alu deck 1m	422910	6.8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Alu deck 2m	422920	12.2	-	1	-	2	1	-	2	1	-	2	1	-	2	1	-
Alu deck 3m	422930	18.3	-	-	1	-	1	2	1	2	3	2	3	4	3	4	5
Guardrail MHB 1m	422001	1.7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Guardrail MHB 2m	422002	3.0	-	2	-	4	2	-	4	2	-	4	2	-	4	2	-
Guardrail MHB 3m	422003	4.3	-	-	2	-	2	4	2	4	6	4	6	8	6	8	10
Quickpin	424031	0.4	20	20	20	34	34	34	48	48	48	62	62	62	76	76	76
Connection pin	424001	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
End stirrup	423016	18.2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MHB Wall Roller	423030	2.8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MHB Castor Wheels	423010	3.9	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Total weight [kg]			97.8	115.1	137.5	164.8	187.1	209.5	236.8	259.1	281.5	308.8	331.1	353.5	380.8	403.1	425.5

Load table

MHB 60 WITH END STIRRUPS												
<p>Load ability (kg) including persons</p> <p>Work Load Limit (WLL) Hoist</p> <p>Check if the construction is built up symmetrical</p>			500 kg				600 kg		650 kg		800 kg	
Total length	Example arrangement	Self weight	Max. Load	Max no.	Max. Load	Max no.	Max. Load	Max no.	Max. Load	Max no.		
[m]	[-]	[kg]	[kg]	[-]	[kg]	[-]	[kg]	[-]	[kg]	[-]		
2	2	273	380	2	380	2	380	2	380	2		
3	3	295	570	3	570	3	570	3	570	3		
4	2 2	323	650	4	770	4	770	4	770	4		
5	3 2	346	630	5	830	5	930	5	960	5		
6	3 3	368	610	6	810	6	910	6	1150	6		
7	2 3 2	397	580	6	780	7	880	7	1180	7		
8	3 2 3	419	560	6	760	8	790	8	790	8		
9	3 3 3	441	530	6	730	8	730	8	730	8		
10	3 2 2 3	470	510	5	520	6	520	6	520	6		
11	3 2 3 3	492	410	4	410	4	410	4	410	4		
12	3 3 3 3	515	330	3	330	3	330	3	330	3		
13	3 2 2 3 3	543	260	2	260	2	260	2	260	2		
14	3 3 2 3 3	566	210	2	210	2	210	2	210	2		
15	3 3 3 3 3	588	170	1	170	1	170	1	170	1		

Notified Body: 0515

Machinery Directive (98/37/EU):

BG BAU
Berufsgenossenschaft der Bauwirtschaft

Floorpressure max. 300 kg/m² (≤8 m) / max. 200 kg/m² (>8 m)
 For type of hoist see manual
 Please be sure to consult with your Altrex supplier on factory approval for any configurations not listed in the table.

MHB 60 with Walkthrough Stirrups

Configurations


MHB 60 WITH WALKTROUGH STIRRUPS																
Length MHB (m)			1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m
Configuration number BM			na	na	C002070	C002071	C002072	C002073	C002074	C002075	C002076	C002077	C002078	C002079	C002080	C002081
Configuration number PC			C002094	C002095	C002096	C002097	C002098	C002099	C002100	C002101	C002102	C002103	C002104	C002105	C002106	C002107
Description	Art.nr.	Weight (kg)														
Sideframe 1m MHB-60	421001	6.0	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Sideframe 2m MHB-60	421002	10.6	-	2	-	4	2	-	4	2	-	4	2	-	4	2
Sideframe 3m MHB-60	421003	17.4	-	-	2	-	2	4	2	4	6	4	6	8	6	8
U-frame MHB-60	421501	4.1	2	2	2	3	3	3	4	4	4	5	5	5	6	6
Guardrailpost	421513	1.0	4	4	4	6	6	6	8	8	8	10	10	10	12	12
Alu deck 1m	422910	6.8	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Alu deck 2m	422920	12.2	-	1	-	2	1	-	2	1	-	2	1	-	2	1
Alu deck 3m	422930	18.3	-	-	1	-	1	2	1	2	3	2	3	4	3	4
Guardrail MHB 1m	422001	1.7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Guardrail MHB 2m	422002	3.0	-	2	-	4	2	-	4	2	-	4	2	-	4	2
Guardrail MHB 3m	422003	4.3	-	-	2	-	2	4	2	4	6	4	6	8	6	8
Quickpin	424031	0.4	28	28	28	42	42	42	56	56	56	70	70	70	84	84
Connection pin	424001	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
End guardrail MHB	423072	4.7	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MHB Wall Roller	423030	2.8	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MHB Castor Wheels	423010	3.9	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Double walkthrough stirrup	423019	53.0	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Walkthrough stirrup alu BM	423021	30.0	-	-	2	2	2	2	2	2	2	2	2	2	2	2
Walkthrough stirrup alu PC	423022	30.0	-	-	2	2	2	2	2	2	2	2	2	2	2	2
Total weight [kg]			126.3	143.6	172.9	200.3	222.6	244.9	272.3	294.6	316.9	344.3	366.6	388.9	416.3	438.6


MHB 60 WITH WALKTROUGH STIRRUPS									
Length MHB (m)			15m	16m	17m	18m	19m	20m	21m
Configuration number BM			C002082	C002083	C002084	C002085	C002086	C002087	C002088
Configuration number PC			C002108	C002109	C002110	C002111	C002112	C002113	C002114
Description	Art.nr.	Weight (kg)							
Sideframe 1m MHB-60	421001	6.0	-	-	-	-	-	-	-
Sideframe 2m MHB-60	421002	10.6	-	4	2	-	4	2	-
Sideframe 3m MHB-60	421003	17.4	10	8	10	12	10	12	14
U-frame MHB-60	421501	4.1	6	7	7	7	8	8	8
Guardrailpost	421513	1.0	12	14	14	14	16	16	16
Alu deck 1m	422910	6.8	-	-	-	-	-	-	-
Alu deck 2m	422920	12.2	-	2	1	-	2	1	-
Alu deck 3m	422930	18.3	5	4	5	6	5	6	7
Guardrail MHB 1m	422001	1.7	-	-	-	-	-	-	-
Guardrail MHB 2m	422002	3.0	-	4	2	-	4	2	-
Guardrail MHB 3m	422003	4.3	10	8	10	12	10	12	14
Quickpin	424031	0.4	84	98	98	98	112	112	112
Connection pin	424001	0.3	-	-	-	-	-	-	-
End guardrail MHB	423072	4.7	2	2	2	2	2	2	2
MHB Wall Roller	423030	2.8	2	2	2	2	2	2	2
MHB Castor Wheels	423010	3.9	4	4	4	4	4	4	4
Double walkthrough stirrup	423019	53.0	-	-	-	-	-	-	-
Walkthrough stirrup alu BM	423021	30.0	2	2	2	2	2	2	2
Walkthrough stirrup alu PC	423022	30.0	2	2	2	2	2	2	2
Total weight [kg]			460.9	488.3	510.6	532.9	560.3	582.6	604.9





MHB 60 with Walkthrough Stirrups

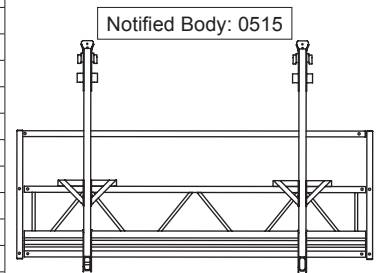
Load table

MHB 60 WITH WALKTROUGH STIRRUPS



 = 80 kg
 Check if the construction is built up symmetrical

				Load ability (kg) including persons							
				Work Load Limit (WLL) Hoist							
				500 kg		600 kg		650 kg		800 kg	
Total length	Example arrangement	Cable distance	Self weight	Max. Load	Max no. 	Max. Load	Max no. 	Max. Load	Max no. 	Max. Load	Max no. 
[m]	[-]	[m]	[kg]	[kg]	[-]	[kg]	[-]	[kg]	[-]	[kg]	[-]
2	2	2	308	380	2	380	2	380	2	380	2
3	3	2	330	570	3	570	3	570	3	570	3
4	2 2	3	359	620	4	770	4	770	4	770	4
5	3 2	4	381	590	5	790	5	890	5	960	5
6	3 3	5	404	570	6	770	6	870	6	1150	6
7	2 3 2	5 - 6	432	540	6	740	7	840	7	1140	7
8	3 2 3	6 - 7	455	520	6	720	8	820	8	1120	8
9	3 3 3	5 - 8	477	500	5	700	8	800	9	1100	9
10	3 2 2 3	6 - 9	506	470	5	670	7	720	8	720	8
11	3 2 3 3	7 - 10	528	450	5	520	6	520	6	520	6
12	3 3 3 3	8 - 11	550	410	4	410	4	410	4	410	4
13	3 2 2 3 3	7 - 12	579	320	3	320	3	320	3	320	3
14	3 3 2 3 3	8 - 12	601	330	3	330	3	330	3	330	3
15	3 3 3 3 3	9 - 12	624	340	3	340	3	340	3	340	3
16	3 3 2 2 3 3	10 - 12	652	320	3	350	3	350	3	350	3
17	3 3 2 3 3 3	11 - 12	674	300	3	370	4	370	4	370	4
18	3 3 3 3 3 3	12 - 13	697	280	3	300	3	300	3	300	3
19	3 3 2 2 3 3 3	13 - 14	725	240	2	240	2	240	2	240	2
20	3 3 3 2 3 3 3	14 - 15	748	190	1	190	1	190	1	190	1
21	3 3 3 3 3 3 3	15 - 16	770	150	1	150	1	150	1	150	1



Machinery Directive (98/37/EU):

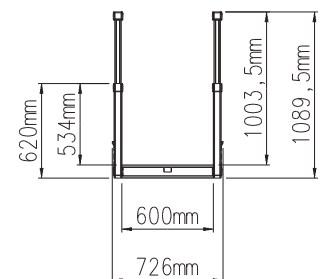
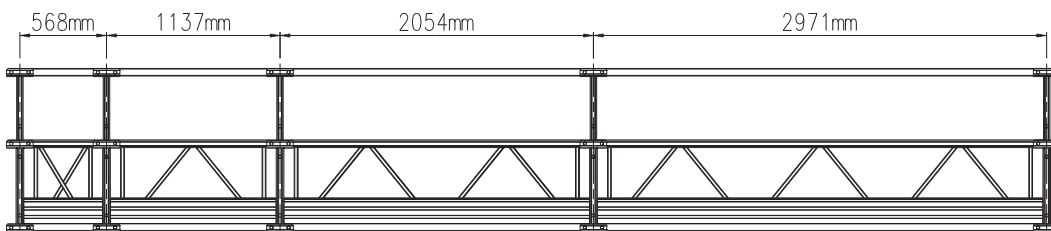
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Floorpressure max. 300 kg/m² (≤8 m) / max. 200 kg/m² (>8 m)

For type of hoist see manual

Please be sure to consult with your Altrex supplier on factory approval for any configurations not listed in the table.



Dimensions MHB 60

MHB 80 with End Stirrups

Configurations

MHB 80 WITH END STIRRUPS

Length MHB (m)			1m	2m	3m	4m	5m	6m	7m	8m	9m	10m
Configuration number			C002200	C002201	C002202	C002203	C002204	C002205	C002206	C002207	C002208	C002209
Description	Art.nr.	Weight (kg)										
Sideframe 1m MHB-80	421110	6.9	2	-	-	-	-	-	-	-	-	-
Sideframe 2m MHB-80	421120	12.3	-	2	-	4	2	-	4	2	-	4
Sideframe 3m MHB-80	421130	19.9	-	-	2	-	2	4	2	4	6	4
U-frame MHB-80	421502	4.8	2	2	2	3	3	3	4	4	4	5
Guardrailpost	421513	0.8	4	4	4	6	6	6	8	8	8	10
Alu deck 1m	422910	6.8	1	-	-	-	-	-	-	-	-	-
Alu deck 2m	422920	12.2	-	1	-	2	1	-	2	1	-	2
Alu deck 3m	422930	18.3	-	-	1	-	1	2	1	2	3	2
Guardrail MHB 1m	422001	1.7	2	-	-	-	-	-	-	-	-	-
Guardrail MHB 2m	422002	3.0	-	2	-	4	2	-	4	2	-	4
Guardrail MHB 3m	422003	4.3	-	-	2	-	2	4	2	4	6	4
Quickpin	424031	0.4	20	20	20	34	34	34	48	48	48	62
Connection pin	424001	0.3	-	-	-	-	-	-	-	-	-	-
End stirrup	423016	18.2	2	2	2	2	2	2	2	2	2	2
MHB Wall Roller	423030	2.8	2	2	2	2	2	2	2	2	2	2
MHB Castor Wheels	423010	3.9	4	4	4	4	4	4	4	4	4	4
Total weight [kg]			100.5	119.3	143.3	172.8	196.7	220.7	250.2	274.1	298.1	327.6

MHB 80 WITH END STIRRUPS

Length MHB (m)			11m	12m	13m	14m	15m	16m	17m	18m
Configuration number			C002210	C002211	C002212	C002213	C002214	C002215	C002216	C002217
Description	Art.nr.	Weight (kg)								
Sideframe 1m MHB-80	421110	6.9	-	-	-	-	-	-	-	-
Sideframe 2m MHB-80	421120	12.3	2	-	4	2	-	4	2	-
Sideframe 3m MHB-80	421130	19.9	6	8	6	8	10	8	10	12
U-frame MHB-80	421502	4.8	5	5	6	6	6	7	7	7
Guardrailpost	421513	0.8	10	10	12	12	12	14	14	14
Alu deck 1m	422910	6.8	-	-	-	-	-	-	-	-
Alu deck 2m	422920	12.2	1	-	2	1	-	2	1	-
Alu deck 3m	422930	18.3	3	4	3	4	5	4	5	6
Guardrail MHB 1m	422001	1.7	-	-	-	-	-	-	-	-
Guardrail MHB 2m	422002	3.0	2	-	4	2	-	4	2	-
Guardrail MHB 3m	422003	4.3	6	8	6	8	10	8	10	12
Quickpin	424031	0.4	62	62	76	76	76	90	90	90
Connection pin	424001	0.3	-	-	-	-	-	-	-	-
End stirrup	423016	18.2	2	2	2	2	2	2	2	2
MHB Wall Roller	423030	2.8	2	2	2	2	2	2	2	2
MHB Castor Wheels	423010	3.9	4	4	4	4	4	4	4	4
Total weight [kg]			351.5	375.5	405.0	428.9	452.9	482.4	506.3	530.3

MHB 80 adapter configuration:

- Based on MHB 80
 - 421501 U-frame MHB 60 instead of 421502 U-frame MHB 80
 - Extra: - 2 x 421503 U-frame adapter per 421501 U-frame 60
 - 4 x 424001 Connection pin per 421501 U-frame MHB 60

MHB 80 with End Stirrups

Load table

MHB 80 WITH END STIRRUPS

Load ability (kg) including persons
 Work Load Limit (WLL) Hoist
 = 80 kg
 Check if the construction is built up symmetrical

Total length	Example arrangement	Self weight	500 kg		600 kg		650 kg		800 kg	
			Max. Load	Max no.	Max. Load	Max no.	Max. Load	Max no.	Max. Load	Max no.
[m]	[-]	[kg]	[kg]	[-]	[kg]	[-]	[kg]	[-]	[kg]	[-]
2	2	277	380	2	380	2	380	2	380	2
3	3	301	570	3	570	3	570	3	570	3
4	2 2	332	640	4	770	4	770	4	770	4
5	3 2	356	610	5	810	5	910	5	940	5
6	3 3	380	590	6	790	6	890	6	1130	6
7	2 3 2	411	560	6	760	7	860	7	1160	7
8	3 2 3	435	530	6	730	8	830	8	1130	8
9	3 3 3	459	510	5	710	8	810	9	1110	9
10	3 2 2 3	490	470	5	670	7	770	9	1050	10
11	3 2 3 3	514	450	5	650	7	700	8	700	8
12	3 3 3 3	538	430	4	550	6	550	6	550	6
13	3 2 2 3 3	569	390	4	440	5	440	5	440	5
14	3 3 2 3 3	593	360	4	360	4	360	4	360	4
15	3 3 3 3 3	617	300	3	300	3	300	3	300	3
16	3 3 2 2 3 3	648	240	2	240	2	240	2	240	2
17	3 3 2 3 3 3	672	190	1	190	1	190	1	190	1
18	3 3 3 3 3 3	696	150	1	150	1	150	1	150	1

Machinery Directive (98/37/EU):

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CE

Floorpressure max. 300 kg/m² (≤8 m) / max. 200 kg/m² (>8 m)
 For type of hoist see manual

Please be sure to consult with your Altrex supplier on factory approval for any configurations not listed in the table.

MHB 80 with Walkthrough Stirrups

Configurations

MHB 80 WITH WALKTROUGH STIRRUPS

Length MHB (m)			1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m
Configuration number BM			na	na	C002120	C002121	C002122	C002123	C002124	C002125	C002126	C002127	C002128	C002129	C002130	C002131
Configuration number PC			C002144	C002145	C002146	C002147	C002148	C002149	C002150	C002151	C002152	C002153	C002154	C002155	C002156	C002157
Description	Art.nr.	Weight (kg)														
Sideframe 1m MHB-80	421110	6.9	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Sideframe 2m MHB-80	421120	12.3	-	2	-	4	2	-	4	2	-	4	2	-	4	2
Sideframe 3m MHB-80	421130	19.9	-	-	2	-	2	4	2	4	6	4	6	8	6	8
U-frame MHB-80	421502	4.8	2	2	2	3	3	3	4	4	4	5	5	5	6	6
Guardrailpost	421513	0.8	4	4	4	6	6	6	8	8	8	10	10	10	12	12
Alu deck 1m	422910	6.8	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Alu deck 2m	422920	12.2	-	1	-	2	1	-	2	1	-	2	1	-	2	1
Alu deck 3m	422930	18.3	-	-	1	-	1	2	1	2	3	2	3	4	3	4
Guardrail MHB 1m	422001	1.7	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Guardrail MHB 2m	422002	3.0	-	2	-	4	2	-	4	2	-	4	2	-	4	2
Guardrail MHB 3m	422003	4.3	-	-	2	-	2	4	2	4	6	4	6	8	6	8
Quickpin	424031	0.4	28	28	28	42	42	42	56	56	56	70	70	70	84	84
Connection pin	424001	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
End guardrail MHB	423072	4.7	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MHB Wall Roller	423030	2.8	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MHB Castor Wheels	423010	3.9	4	4	4	4	4	4	4	4	4	4	4	4	4	4
Double walkthrough stirrup	423019	53.0	1	1	-	-	-	-	-	-	-	-	-	-	-	-
Walkthrough stirrup alu BM	423021	30.0	-	-	2	2	2	2	2	2	2	2	2	2	2	2
Walkthrough stirrup alu PC	423022	30.0	-	-	2	2	2	2	2	2	2	2	2	2	2	2
Total weight [kg]			129.0	147.8	178.7	208.3	232.2	256.1	285.7	309.6	333.5	363.1	387.0	410.9	440.5	464.4

MHB 80 WITH WALKTROUGH STIRRUPS

Length MHB (m)			15m	16m	17m	18m	19m	20m	21m	22m	23m	24m	25m	26m
Configuration number BM			C002132	C002133	C002134	C002135	C002136	C002137	C002138	C002139	C002140	C002141	C002142	C002143
Configuration number PC			C002158	C002159	C002160	C002161	C002162	C002163	C002164	C002165	C002166	C002167	C002168	C002169
Description	Art.nr.	Weight (kg)												
Sideframe 1m MHB-80	421110	6.9	-	-	-	-	-	-	-	-	-	-	-	-
Sideframe 2m MHB-80	421120	12.3	-	4	2	-	4	2	-	4	2	-	4	2
Sideframe 3m MHB-80	421130	19.9	10	8	10	12	10	12	14	12	14	16	14	16
U-frame MHB-80	421502	4.8	6	7	7	7	8	8	8	9	9	9	10	10
Guardrailpost	421513	0.8	12	14	14	14	16	16	16	18	18	18	20	20
Alu deck 1m	422910	6.8	-	-	-	-	-	-	-	-	-	-	-	-
Alu deck 2m	422920	12.2	-	2	1	-	2	1	-	2	1	-	2	1
Alu deck 3m	422930	18.3	5	4	5	6	5	6	7	6	7	8	7	8
Guardrail MHB 1m	422001	1.7	-	-	-	-	-	-	-	-	-	-	-	-
Guardrail MHB 2m	422002	3.0	-	4	2	-	4	2	-	4	2	-	4	2
Guardrail MHB 3m	422003	4.3	10	8	10	12	10	12	14	12	14	16	14	16
Quickpin	424031	0.4	84	98	98	98	112	112	112	126	126	126	140	140
Connection pin	424001	0.3	-	-	-	-	-	-	-	-	-	-	-	-
End guardrail MHB	423072	4.7	2	2	2	2	2	2	2	2	2	2	2	2
MHB Wall Roller	423030	2.8	2	2	2	2	2	2	2	2	2	2	2	2
MHB Castor Wheels	423010	3.9	4	4	4	4	4	4	4	4	4	4	4	4
Double walkthrough stirrup	423019	53.0	-	-	-	-	-	-	-	-	-	-	-	-
Walkthrough stirrup alu BM	423021	30.0	2	2	2	2	2	2	2	2	2	2	2	2
Walkthrough stirrup alu PC	423022	30.0	2	2	2	2	2	2	2	2	2	2	2	2
Total weight [kg]			488.3	517.9	541.8	565.7	595.3	619.2	643.1	672.7	696.6	720.5	750.1	774.0






MHB 80 adapter configuration:

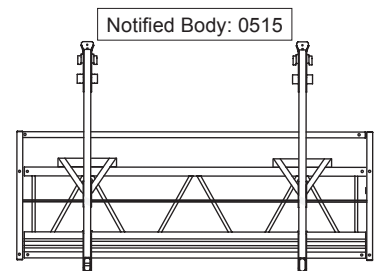
- Based on MHB 80
 - 421501 U-frame MHB 60 instead of 421502 U-frame MHB 80
 - Extra: - 2 x 421503 U-frame adapter per 421501 U-frame 60
- 4 x 424001 Connection pin per 421501 U-frame MHB 60

MHB 80 with Walkthrough Stirrups

Load table

MHB 80 WITH WALKTROUGH STIRRUPS

 = 80 kg Check if the construction is built up symmetrical				Load ability (kg) including persons							
				Work Load Limit (WLL) Hoist							
				500 kg		600 kg		650 kg		800 kg	
Total length	Example arrangement	Cable distance	Self weight	Max. Load	Max no. 	Max. Load	Max no. 	Max. Load	Max no. 	Max. Load	Max no. 
[m]	[-]	[m]	[kg]	[kg]	[-]	[kg]	[-]	[kg]	[-]	[kg]	[-]
2	2	2	312	380	2	380	2	380	2	380	2
3	3	2	336	570	3	570	3	570	3	570	3
4	2 2	3	367	600	4	770	4	770	4	770	4
5	3 2	4	391	580	5	780	5	880	5	960	5
6	3 3	5	415	550	6	750	6	850	6	1150	6
7	2 3 2	5 - 6	446	520	6	720	7	820	7	1120	7
8	3 2 3	6 - 7	470	500	5	700	8	800	8	1100	8
9	3 3 3	5 - 8	494	470	5	670	7	770	9	1070	9
10	3 2 2 3	6 - 9	524	440	5	640	7	740	8	1040	10
11	3 2 3 3	7 - 10	548	410	4	610	7	710	8	1010	11
12	3 3 3 3	8 - 10	572	390	4	590	6	690	8	990	11
13	3 2 2 3 3	7 - 10	603	360	4	560	6	660	7	960	11
14	3 3 2 3 3	8 - 10	627	330	3	530	6	630	7	930	11
15	3 3 3 3 3	9 - 10	651	310	3	510	5	610	7	910	10
16	3 3 2 2 3 3	9 - 10	682	270	2	470	5	570	6	870	10
17	3 3 2 3 3 3	10 - 11	706	250	2	450	5	550	6	820	9
18	3 3 3 3 3 3	10 - 11	730	230	2	430	4	530	6	830	9
19	3 3 2 2 3 3 3	11 - 12	760	190	1	390	4	490	5	650	7
20	3 3 3 2 3 3 3	12 - 13	784	170	1	370	4	470	5	530	6
21	3 3 3 3 3 3 3	13 - 14	808	150	1	350	3	440	5	440	5
22	3 3 3 2 2 3 3 3	14 - 15	839	-	-	310	3	360	4	360	4
23	3 3 3 2 3 3 3 3	15 - 16	863	-	-	290	3	300	3	300	3
24	3 3 3 3 3 3 3 3 3	16 - 17	887	-	-	240	2	240	2	240	2
25	3 3 3 2 2 3 3 3 3	17 - 18	918	-	-	190	1	190	1	190	1
26	3 3 3 3 2 3 3 3 3	18 - 19	942	-	-	150	1	150	1	150	1



Machinery Directive (98/37/EU):

 **BG BAU**
Berufsgenossenschaft der Bauwirtschaft



Floorpressure max. 300 kg/m² (≤8 m) / max. 200 kg/m² (>8 m)

For type of hoist see manual

Please be sure to consult with your Altrex supplier on factory approval for any configurations not listed in the table.

MHB 60 Double Deck Suspended Platform Walk Trough Stirrups

Configuration

Length (m)		3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
Description	Art.nr.										
Sideframe 2 m	421002	-	8	4	-	8	4	-	8	4	-
Sideframe 3 m	421003	4	-	4	8	4	8	12	8	12	16
Alu deck 2 m	422502	-	3	1	-	3	2	-	4	2	-
Alu deck 2 m with trapdoor	422602	-	1	1	-	1	-	-	-	-	-
Alu deck 3 m	422503	1	-	2	3	2	3	5	3	5	7
Alu deck 3 m with trapdoor	422603	1	-	-	1	-	1	1	1	1	1
U-frame without guardrailposts	421501	4	6	6	6	8	8	8	10	10	10
Guardrailpost	421513	8	12	12	12	16	16	16	20	20	20
Guardrail 2 m without connection pins	422002	-	8	4	-	8	4	-	8	4	-
Guardrail 3 m without connection pins	422003	4	-	4	8	4	8	12	8	12	16
Castor MHB universal	423010	4	4	4	4	4	4	4	4	4	4
Wall roller foamrubber	423030	4	4	4	4	4	4	4	4	4	4
Connection pin short	424001	36	64	64	64	92	92	92	120	120	120
End-stirrup MHB complete	423020	2	2	2	2	2	2	2	2	2	2
Ladder double deck 10-rung MHB	423082	2	2	2	2	2	2	2	2	2	2
Cage for ladder 10 rung MHB	423081	1	1	1	1	1	1	1	1	1	1
Attachement double deck MHB	423076	4	4	4	4	4	4	4	4	4	4
Assembly pin long	424002	8	8	8	8	8	8	8	8	8	8
Brace 10-2 double deck kit	423092	-	2	1	-	2	-	-	-	-	-
Brace 10-3 double deck kit	423093	1	-	1	2	-	2	2	2	2	2
Tensionbar 500 mm Ø 16 mm	735500	8	8	8	8	8	8	8	8	8	8
Nyloc nut M16	702008	8	8	8	8	8	8	8	8	8	8
Bushing Ø 32 x 26 x 17 L=12 mm	723091	16	16	16	16	16	16	16	16	16	16

Load table

Total length (m)	Example arrangement	Cable distance (m)	Self weight	500 kg		600 kg		650 kg		800 kg	
				Max. load (kg)	Max. number of persons	Max. load (kg)	Max. number of persons	Max. load (kg)	Max. number of persons	Max. load (kg)	Max. number of persons
3	3	3	368	360	3	720	3	720	3	720	3
4	2-2	4	407	320	3	420	4	560	4	1080	4
5	2-3	5	449	300	3	390	4	490	5	690	5
6	3-3	6	488	280	3	360	4	450	5	620	6
7	2-3-2	7	527	260	2	340	3	420	4	570	6
8	3-2-3	8	569	210	2	280	3	360	4	490	5
9	3-3-3	9	609	200	2	270	2	340	3	470	5
10	3-2-2-3	10	648	-	-	200	2	260	2	370	4
11	3-2-3-3	11	690	-	-	200	2	260	2	360	4
12	3-3-3-3	12	729	-	-	-	-	260	2	360	4

MHB 60 Double Deck Suspended Platform End Stirrups

Configuration

Length (m)		3.00	4.00	5.00	6.00	7.00	8.00	9.00	10.00	11.00	12.00
Description	Art.nr.										
Sideframe 2 m	421002	-	8	4	-	8	4	-	8	4	-
Sideframe 3 m	421003	4	-	4	8	4	8	12	8	12	16
Alu deck 2 m	422502	-	3	1	-	3	2	-	4	2	-
Alu deck 2 m with trapdoor	422602	-	1	1	-	1	-	-	-	-	-
Alu deck 3 m	422503	1	-	2	3	2	3	5	3	5	7
Alu deck 3 m with trapdoor	422603	1	-	-	1	-	1	1	1	1	1
U-frame without guardrailposts	421501	4	6	6	6	8	8	8	10	10	10
Guardrailpost	421513	8	12	12	12	16	16	16	20	20	20
Guardrail 2 m without connection pins	422002	-	8	4	-	8	4	-	8	4	-
Guardrail 3 m without connection pins	422003	4	-	4	8	4	8	12	8	12	16
Castor MHB universal	423010	4	4	4	4	4	4	4	4	4	4
Wall roller foamrubber	423030	4	4	4	4	4	4	4	4	4	4
Connection pin short	424001	36	64	64	64	92	92	92	120	120	120
End-stirrup MHB complete	423020	4	4	4	4	4	4	4	4	4	4
Walkthrough stirrup alu model CE	423027	2	2	2	2	2	2	2	2	2	2
Ladder double deck 10-rung MHB	423082	2	2	2	2	2	2	2	2	2	2
Cage for ladder 10 rung MHB	423081	1	1	1	1	1	1	1	1	1	1
Attachement double deck MHB	423076	4	4	4	4	4	4	4	4	4	4
Assembly pin long	424002	8	8	8	8	8	8	8	8	8	8
Brace 10-2 double deck kit	423092	-	2	1	-	2	-	-	-	-	-
Brace 10-3 double deck kit	423093	1	-	1	2	-	2	2	2	2	2
Tensionbar 500 mm Ø 16 mm	735500	8	8	8	8	8	8	8	8	8	8
Nyloc nut M16	702008	8	8	8	8	8	8	8	8	8	8
Bushing Ø 32 x 26 x 17 L=12 mm	723091	16	16	16	16	16	16	16	16	16	16

Load table

Total length (m)	Example arrangement	Cable distance (m)	Self weight	500 kg		600 kg		650 kg		800 kg	
				Max. load (kg)	Max. number of persons	Max. load (kg)	Max. number of persons	Max. load (kg)	Max. number of persons	Max. load (kg)	Max. number of persons
3	3	2	458	320	3	420	3	560	3	1080	3
4	2-2	3	497	300	3	390	4	490	4	690	4
5	2-3	4	539	258	3	360	4	450	5	620	5
6	3-3	5	578	260	2	340	3	420	4	570	6
7	2-3-2	6	617	210	2	280	3	360	4	490	5
8	3-2-3	7	659	200	2	270	2	340	3	470	5
9	3-3-3	8	699	-	-	200	2	260	2	370	4
10	3-2-2-3	9	738	-	-	200	2	260	2	360	4
11	3-2-3-3	10	780	-	-	-	-	250	2	360	4
12	3-3-3-3	11	819	-	-	-	-	240	2	310	3

Configuration may differ per country.

MHB 60 One Man Work Cage

Configuration

Length (m)			1.00	2.00
Description	Art.nr.	Weight (kg)		
Sideframe 1 m	421001	6.0	2	-
Sideframe 2 m	421002	10.6	-	2
Alu deck 1 m	422910	6.8	1	-
Alu deck 2 m	422920	12.2	-	1
U-frame without guardrailposts	421501	4.1	2	2
Guardrailpost	421513	1.0	2	2
Guardrail 1 m without connection pins	422001	0.7	2	-
Guardrail 2 m without connection pins	422002	3.0	-	2
Castor MHB universal	423010	3.9	4	4
Wall roller foamrubber	423030	2.8	2	2
End-guardrail MHB	423072	4.7	2	2
Walkthrough stirrup MHB aluminium	423019	53.0	1	1
Connection pin short	424001	0.3	28	28
Total weight (kg)			124.1	141.4

Suspension Systems

Configuration

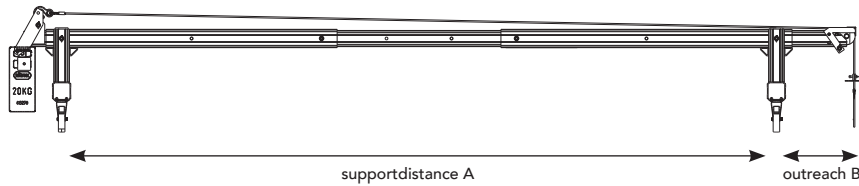
Description	Art.nr.	Weight (kg)	Model 600		Model 800	
			Low	High	Low	High
Frontbeam 600	415050	14.0	1	1	-	-
Frontbeam 800	415070	13.0	-	-	1	1
Outerbeam	415090	18.0	2	2	2	2
Innerbeam	415100	16.0	1	1	1	1
Stanchion 800	415110	18.0	-	-	1	1
Shockabsorber adapter	415130	4.0	1	1	1	1
Supportstand 900 low	415140	18.0	2	-	1	-
Supportstand 1300 low	415150	23.0	-	-	1	-
Supportstand 1300 high	415160	30.0	-	2	2	1
Supportstand 2300	415170	31.0	-	-	-	1
Brace	415180	4.0	-	2	-	2
Front extension with wheel 2300	415190	8.0	-	-	-	2
Shockabsorber arm	415210	3.0	1	1	1	1
Brace front supportstand 2300	415230	3.2	-	-	-	2
Chain tensioner complete	415256	16.0	-	-	1	1
Counterweight	415270	20.0	see table	see table	see table	see table
Counterweight bracket short incl. lock	415276	5.0	1	-	1	-
Counterweight bracket long incl.	415281	7.0	-	1	-	1
Connection pin	415320	0.5	8	12	12	22
Total weight (kg)			118	154	218	215

Roofbeam 600

Number of counter weights 20kg each

		outreach B (m)		0,9		1,2		1,6*		1,9*		2,2*				
		supportdistance A (m)		4,5	5,0	5,5	4,5	5,0	5,5	4,5	5,0	5,5	4,5	5,0	5,5	
Hoist	400kg	10x	9x	8x	14x	13x	11x	20x	18x	16x	24x	21x	19x	27x	24x	22x
	500kg	13x	12x	10x	18x	16x	15x	25x	22x	20x	30x	27x	24x			
	600kg	16x	14x	13x	22x	20x	18x	31x	27x	25x						

* With extended frontbeam: art.nr. 415095.

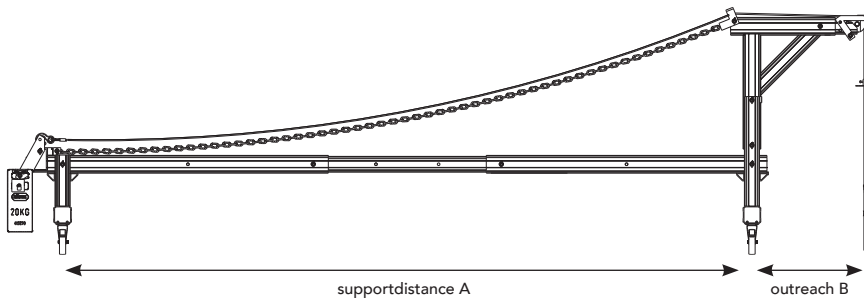


Roofbeam 800

Number of counter weights 20kg each

		outreach B (m)		0,9		1,2	
		supportdistance A (m)		4,5	5,0	5,5	4,5
Hoist	600kg	15x	13x	12x	22x	19x	17x
	650kg	17x	15x	13x	24x	21x	19x
	800kg	21x	19x	17x	30x	26x	24x

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