

MODULAR SUSPENDED
PLATFORM SYSTEM
MHB UL





Relax. It's an Altrex. Working up high has its risks. Choosing for Altrex is choosing for safety, quality, assurance and durability. Altrex access products meet or exceed the stringest industry safety standards. For over 50 years, Altrex has developed and manufactured superior products for the professional. For every job the right product!

The Altrex Modular Platform System is known worldwide as the standard in the industry. Altrex designs and produces products with a primary focus on a safe work environment for the end-user. Elements like innovation, ergonomics and ease of use are at the top of the product development process to meet the demands of the users as best as possible.

The high quality products of Altrex are designed on CAD-CAM systems and are produced with modern welding robots for a consistent high level of quality.

A: STANDARD CONFIGURATIONS (UL-APPROVED)

The advantages of the Altrex Modular Platform system are:

Quality

The ISO certified manufacturing process in combination with modern production techniques, such as welding robots, result in the highest level of consistent quality in the industry. The proven durability is a testament to this process.

Special Aluminum Extrusions

Components are ergonomically finished and have an exact fit thanks in part to custom extrusions and maintenance free aluminum construction.

Flexibility

The user can build any configuration necessary to fit the structure precisely and allow close access to the working surface.

· Many Possible Applications

A multitude of accessories, such as corner sections, hinge sections, double deck kits and double wide platforms can be used to find a solution for almost any access situation.

Compact Transportation and Storage

The knock down modular construction saves space and makes transportation easy. A complete 4oft platform fits in the back of a pick-up truck!

• Low Self Weight - High Capacity

The smart design of the Altrex MHB system results in high load capacities despite the low self weight.

• Fast Assembly and Dis-assembly

The complete MHB platform can be (dis-)assembled fast and without special tools.

Meets or Exceeds the Stringest Safety Standards

UL / OSHA / ANSI

B: SPECIAL PRODUCTS

Altrex offers solutions for every complex access application. The Altrex department of special products has experienced engineers who can provide design solutions for your access needs, however small or large (incl. drawings and calculations).

All systems and products must be used under strict observance of the Altrex assembly and operating instructions for use. In case of doubt, please consult your Altrex dealer for expert advice.

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Why Altrex MHB?

The versatility of the Altrex Modular Platform system is ideal on projects where traditional scaffolding is not practical or cost effective. The flexibility of the system allows for access to the building at many locations simultaneously, allowing work to be done faster and more efficiently. Typical applications are construction, maintenance, restoration, painting and inspection of facades, chimneys, bridges, stadiums, etc. The modular construction and flexibility of the components makes it ideally suited for contractors and rental companies alike.

The Altrex MHB is a top quality suspended platform made with strong, custom aluminum extrusions capable of carrying more than enough men and materials to get the job done safely and effectively. The complete MHB platform can be (dis-)assembled without special tools and can be built to almost any desired length thanks to a choice of 4 standard sections and a variety of hoist mounting options, including Walk-Thru and End Stirrups. When using Walk Thru Stirrups in combination with Hinge Sections, there is no limit to the length of platform you can create.

Special Altrex platforms available are the Boiler Stage and the Double Wide Platform. The Boiler Stage is designed with components that fit through a round 18" (450mm) diameter opening and is ideal for power plants, silos, oil tanks and other vessels with tight access.

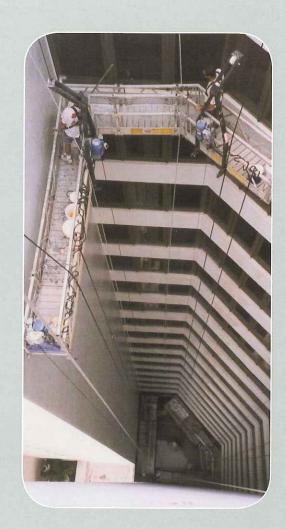
The Double Wide Platform gives you an inside width of 50" (1250mm) and is ideal for bridges, access underneath soffits and other applications where an un-interrupted double width platform is required.

Standard features of the Altrex MHB system are:

- 1.65ft (0.5m), 3.75ft (1m), 6.75ft (2m) or 9.75ft (3m) standard section lengths
- · Option of standard or reversible decks (can be used on both sides)
- · Unlimited working height
- Maximum load capacity between 75olbs (34okg) and 200olbs (909kg), depending on platform length
- · Low self weight of the aluminum platform system
- 49ft (15m) UL rated maximum platform length with 2 End Stirrups
- 63ft (19m) UL rated maximum platform length with 2 Walk Thru C-stirrups (longer lengths are only allowed with written factory consent)
- Maximum UL-rated cantilever: 6.75ft (2m) (longer cantilevers are only allowed with written factory consent)
- · Guardrails are removable and adjustable in height
- 8" Casters
- Variety of fixed and adjustable Roller Bumpers

Accessories:

- Fixed Corner Sections (8°, 15°, 30°, 45°, 60° and 90°)
- Adjustable Corner Section (adjustments at 20°, 30°, 45°, 51°, 60°, 72° and 90°)
- Special bracket with speed thread to be able to adjust the settings on the Adjustable Corner Section continuously from 20° to 90°
- · Hinge Section to allow equal loading on straight platforms with 3 or more hoists and corner platforms with 4 or more hoists
- Double Deck Kit with 9.75ft (3m) platform spacing and optional 6.75ft (2m) or 9.75ft (3m) decks with trapdoor





Altrex MHB with End Stirrups





- End Stirrups with hoists are mounted at each end of the platform
- Maximum UL-rated platform length: 49ft (15m)
- Maximum distributed load: 2000lbs (909kg) (see table below)
- To ensure UL approved configurations, all platforms must be assembled according to the configuration table below

UL-listed Standard Modular Platform System model MHB with end stirrups

Ft/inch	Meter	Platform configuration		Total platform weight		Rated working load		Maximum
		In sections (ft)	In sections (m)	Lbs	Kg	Lbs	Kg	number of sections
6' 9"	2	7	2	160	73	2000	909	2
9' 9"	3	10	- 3	200	91	2000	909	2
13' 6"	4	7-7	2-2	271	123	2000	909	2
16' 6"	5	10-7	3-2	310	141	2000	909	2
19' 6"	6	10-10	3-3	348	158	2000	909	2
23' 3"	7	7-10-7	2-3-2	420	191	1500	682	3
26' 3"	8	10-7-10	3-2-3	458	208	1500	682	3
29' 3"	9	10-10-10	3-3-3	446	203	1000	455	4
33'	10	10-7-7-10	3-2-2-3	568	258	1000	455	4
36'	11	10-10-7-10	3-3-2-3	607	276	1000	455	4
39'	12	10-10-10-10	3-3-3-3	645	293	1000	455	4
42' 9"	13	10-10-7-7-10	3-3-2-2-3	717	326	750	341	5
45' 9"	14	10-10-7-10-10	3-3-2-3-3	755	343	750	341	5
48' 9"	15	10-10-10-10-10	3-3-3-3	830	361	750	341	5

- The table is based on the use of 2 hoists
- · Please be sure to consult with your Altrex supplier for factory approval for any configurations not listed in the table
- The self weight of the platform does not include the weight of the hoists, materials and personnel
- The load must be equally distributed over the length of the platform, with a maximum point load of 120lbs/ft (180kg/m)
- · Please observe the Altrex assembly and operating instructions for use



Altrex MHB with Walk Thru Stirrups

- Walk Thru Stirrups are used when the overall platform length exceeds the distance between hoists. The platform extends beyond the suspension points and creates a cantilever
- Maximum UL tested platform length: 63ft (19m)
- Maximum distributed UL-rated load: 1000lbs (455kg) (see table below)
- Cantilevers with Walk Thru Stirrups need to be the same on both sides and be configured according to the table below to comply with the UL approval
- Note the maximum distance between hoists and the maximum allowable cantilevers as listed in the configuration table
- To ensure UL approved configurations, all platforms must be assembled according to the configuration table below



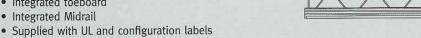
UL-listed standard Modular Platform System model MHB with walk through stirrups

Total pl		Wire rope	distance	Platform con	figuration		latform ght	Rated v	vorking ad	Maximum number
Ft/inch	Meter	Ft/inch	Meter	In sections (ft)	In sections (m)	Lbs	Kg	Lbs	Kg	of sections
30' 9"	9	23' 3"	7	10-10-10♥	3-3-3#	847	385	1000	455	5
33' 9"	10	26' 3"	8	10-7-7-10♥	3-2-2-3#	884	402	1000	455	5
36' 9"	11	29' 3"	9	10-7-10-10♥	3-2-3-3#	924	420	1000	455	5
40' 6"	12	33'	10	10-10-10-10♥	3-3-3-3#	994	452	1000	455	5
43' 6"	13	36'	11	10-10-7-7-10♥	3-3-2-2-3#	1034	470	1000	455	5
46' 6"	14	39'	12	10-10-7-10-10♥	3-3-2-3-3#	1071	487	1000	455	5
50' 3"	15	42' 9"	13	10-10-10-10-10♥	3-3-3-3#	1144	520	750	341	7
53' 3"	16	45' 9"	14	10-10-7-7-10-10♥	3-3-2-2-3-3#	1181	537	750	341	7
56' 3"	17	48' 9"	15	10-10-10-7-10-10♥	3-3-3-2-3-3#	1221	555	750	341	7
46' 6"	14	33'-39'	10-12	10-10-7-10-10■	3-3-2-3-3\$	1056	480	750	341	7
49' 6"	15	36'-42' 9"	11-13	10-10-10-10-10■	3-3-3-3\$	1096	498	750	341	7
52' 3"	16	39'-45' 9"	12-14	10-10-7-7-10-10■	3-3-2-2-3-3\$	1133	515	750	341	7
56' 3"	17	42'9"-48' 9"	13-15	10-10-10-7-10-10■	3-3-3-2-3-3\$	1206	548	750	341	7
59' 3"	18	45′ 9"	14	10-10-10-10-10-10◆	3-3-3-3-3-	1243	565	750	341	7
62' 3"	19	48' 9"	15	10-10-10-7-7-10-10◆	3-3-3-2-2-3-3*	1283	583	750	341	7

- ♥ 3'3" feet cantilevered sections are included in outer 3 meter sections.
- acantilevered sections are included on outer 7 feet sections and may vary between 3 and 7 feet.
- 7 feet cantilevered sections are included in outer 10 feet sections.
- # 1 meter cantilevered sections are included in outer 3 meter sections.
- \$ cantilevered sections are included on outer 3 meter sections and may vary between 1 and 2 meters.
- 2 meter cantilevered sections are included in outer 3 meter sections.
- The table is based on the use of 2 hoists
- · Please be sure to consult with your Altrex supplier for factory approval for any configurations not listed in the table
- · The self weight of the platform does not include the weight of the hoists, materials and personnel
- The load must be equally distributed over the length of the platform, with a maximum point load of 120lbs/ft (180kg/m)
- · Please observe the Altrex assembly and operating instructions for use

Side Frame

- · Light weight aluminum construction
- · Integrated toeboard



421005 o.5m Side Frame weight: 7lbs (3kg)

421061 1m Side Frame weight: 12lbs (5.5kg)

421062 2m Side Frame weight: 23lbs (10.5kg) 421063 3m Side Frame weight: 38lbs (17.5kg)



Decks

- · Light weight aluminum construction
- · Small openings between deck sections to prevent debris build-up and to protect against strong updrafts
- · Option of standard or reversible decks (can be used on both sides)

0.5m Reversible Deck 1m Reversible Deck

os (3.5

422901 1m Deck weight: 15lbs (7kg)

422910

422920 2m Reversible Deck weight: 26.5lbs (12kg)

422902

2m Deck

3m Deck weight: 25lbs (11.5kg) weight: 38lbs (17.5kg)

> 422930 3m Reversible Deck weight: 39.7lbs (18kg)



weight: 6.6lbs (3kg)

U-frame

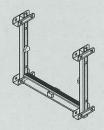
422905

- · Light weight aluminum construction
- · Used to connect the Side Frames and build the basic framework

weight: 15lbs (6.8kg)

- . U-frames are provided with 8 Quickpins (4 sets of 2) that are attached with lanyards to prevent unintentional loss of the pins
- · Guardrail Posts are not included

421508 U-frame including Quickpins Weight: 14lbs (6.5kg)





Guardrail and Guardrail Post

- Light weight aluminum construction
- · Guardrails and Guardrail Posts are provided with push button connections to make installation faster and easier. It also eliminates the need for loose pins
- · The height of the Guardrail Post is variable (2.ooft (0.6m) and 2.65ft (0.8m))

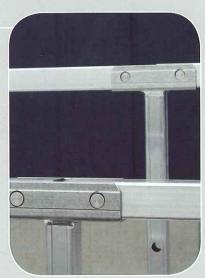
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· Easy to use and time saving

421520 **Guardrail Posts** weight: 2lbs (1kg)

422055 o.5m Guardrail weight: 1.5lbs (1kg) 422011 1m Guardrail weight: 2lbs (1kg) 422012 2m Guardrail weight: 4lbs (2kg)

422013 3m Guardrail weight: 6lbs (3kg)





End Stirrup

- · Galvanized Steel
- It is provided with an anti-pivot device to prevent the hoist from tipping over when the platform is lowered and the wire rope is slack



423015 End Stirrup weight: 28lbs (13kg)



End Guardrail

- · Light weight aluminum construction
- Used in combination with Walk Thru Stirrups

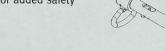
423072 End Guardrail weight: 7.7lbs (3.5kg)





Quickpins

- · Innovative design
- · Self-locking pin with double spring mechanism for added safety
- · One step installation
- Easy to use and time saving



424031 Quickpin-spring loaded, each weight: 0.9lbs (0.4kg) Quickpin-spring loaded, set of 2 weight: 1.8lbs (0.8kg)



Casters

- · Permits easy movement of the platform on the ground
- · Can be mounted with Quickpin in any U-frame along the platform
- Normally 4 casters are used, but on corner platforms and platforms over 40 ft (12m), additional casters are recommended for easy movement and better support



423010 Caster weight: 12 lbs (5.5kg)



Wall Roller

- · Foam Rubber Roller
- Prevents damage to facade
- · Flexible placement along the length of the platform
- Mount any desired number of Wall Rollers on the toeboard

423030 Wall roller, Rubber weight: 11lbs (5kg)





Corner Sections

Adjustable/Fixed

- Corner sections can be used to follow the contours of the structure precisely and allow access within 1 to 2 ft of the working surface
- · Choose from a variety of fixed and adjustable corner sections

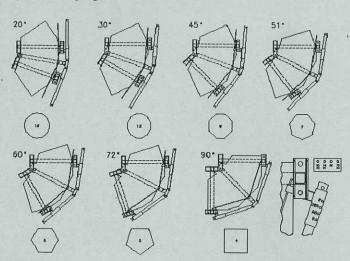
Please be sure to consult with your Altrex supplier for factory approval for each configuration. Please consult your Altrex dealer with your specific application requirements.

Adjustable Corner Section

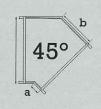
- Unique design
- · Strong steel construction combined with light weight aluminum components
- Lock in the desired angle with Quickpins (7 angles in one product: 20°, 30°, 45°, 51°, 60°, 72°, 90°)
- Optional bracket with speed thread allows you to adjust the settings continuously from 20° to 90°!
- U-frames are included to mount directly to the Side Frames (unlike the competition, where you have to add them to the cost)
- · Flexible to any situation, you always have the right corner in stock!
- · Adjustable Guardrail Chain and Guardrail Posts also included

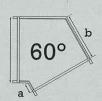
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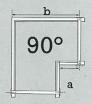
adjustable corner section (20°, 30°, 45°, 51°, 60°, 72°, 90°) weight: 128lbs (58kg)



30°



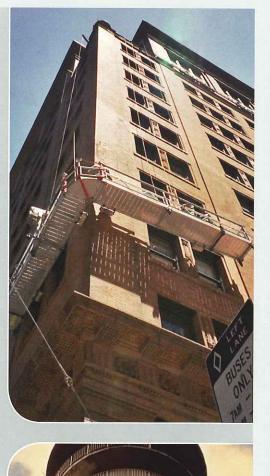




Fixed Corner Sections

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

423065 corner section 30° weight: 18lbs (8kg) d23060 corner section 45° weight: 23lbs (10.5kg) corner section 60° weight: 30lbs (13.5kg) 423050 corner section 90° weight: 64lbs (29kg)



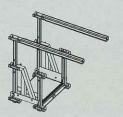


Hinge Section

- · Strong galvanized steel construction
- Used when making long continuous platforms with multiple hoists
- Must be used in configurations with more than 2 hoists on straight lengths, or more than 3 hoists on corner platforms.
 Check with supplier to approve the application

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

423028 Hinge Section weight: 35lbs (16kg)





Work Cage

- Maximum length: 6.75ft (2m)
- Provided with 1 hoist mounted to Walk Thru C-stirrup
- · Practical solution in tight spaces



Configuration table

Description	Part. Nr.	Required components for workcage		
		1 m	2 m	
Sideframe 1 m (UL)	421061	2		
Sideframe 2 m(UL)	421062		2	
Alu deck 1 m Halfopen (UL)	422901	1		
Alu deck 2 m Halfopen (UL)	422902		1	
U-frame without guard-rail post (UL)	421508	2	2	
Guard-rail post (UL)	421520	4	4	
Guard-rail 1 m (UL)	422011	2		
Guard-rail 2 m (UL)	422012		2	
Caster wheel (UL)	423010	4	4	
Wall roller	423030	2	2	
End guard-rail (UL)	423072	2	2	
Walk-through stirrup	on req.	1		

- The table is based on the use of 1 hoist
- Please be sure to consult with your Altrex supplier for factory approval for any configurations not listed in the table
- The self weight of the platform does not include the weight of the hoists, materials and personnel
- The load must be equally distributed over the length of the platform, with a maximum point load of 120lbs/ft (180kg/m)

Special products

Altrex offers solutions for every complex access application. The Altrex department of special products has experienced engineers who can provide design solutions for your access needs, however small or large (incl. drawings and calculations).

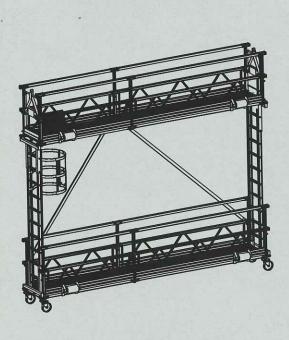
Double Deck Suspended Platform

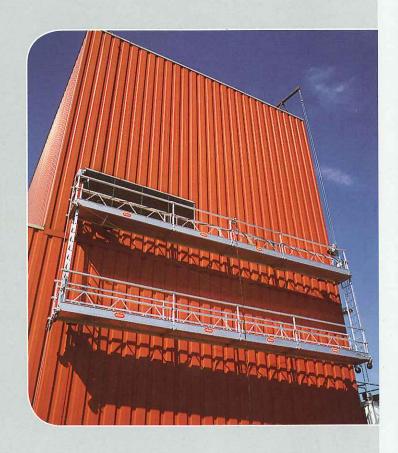
By adding a Double Deck Kit, the standard Altrex Modular Platform system can be configured into a multi-level platform, which allows workers simultaneous access on two or more levels. A ladder type frame is connected at each end of the platform. By using the trap door in the upper deck, the workers can safely climb from one level to the other. The configuration of each platform level should be the same.

Advantages of the double deck kit:

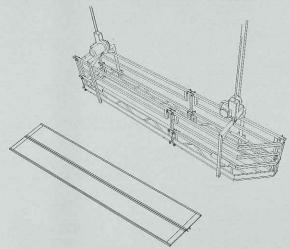
- · Working on two or more levels simultaneously
- Only two hoists required for lifting the complete platform
- · Minimal amount of roof rigging required
- Standard vertical height between levels: 10ft (3m) (optional adjustments available)
- · Stable construction of platform arrangement
- · Platform lengths from 6.75ft (2m) to 33ft (10m) (depending on lifting capacity of hoists and rigging used)
- · Ideal for applications such as cladding (siding) and glazing

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

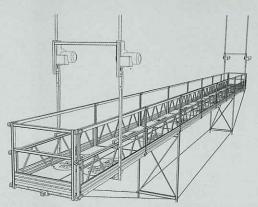












Boiler Stage

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 18 inches and 24 inches (450 and 600mm) in diameter. Often, it is recommended that some sort of temporary floor be constructed inside the boiler (or similar structure) in order to facilitate assembly of the platform. The minimum diameter of entrance access is 18 inches (450mm) with a maximum wall thickness of 7 inches (180mm).

Special components:

- · Split deck
- Two part stirrup, which can be placed anywhere on the platform and provides support under the deck
- · Custom guardrail lengths
- Tailor made boiler stages can be designed for non-standard applications
- Ideal for applications such as thermal power plants, silos & tanks

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

Double Wide Suspended Platform

The double wide platform has been designed for applications where very long and/or extra wide platforms are required. The system allows a span of 79ft (24m) between the stirrups. Add a 6.75ft (2m) cantilever on each side in order to obtain a maximum platform length of 92.5ft (28m). Ideal for applications such as bridge maintenance

It is based on the standard MHB platform system resulting in a modular knock-down platform that is easy to assemble. Special items needed are the stirrups, U-frames, deck beams and end guardrails. For platforms longer than 50ft (15m), supporting frames and truss cable assembly are required.

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