

Böcker

YOUR WAY
TO THE
TOP
REALISE THE POTENTIAL



**Construction Hoists and
Mast-Climbing Platforms**

Maximum performance

Böcker Construction Hoists – tailor-made machines for any challenge

For several decades Böcker Construction Hoists and Mast-Climbing Platforms have been reliable machines on the most diverse construction sites around the world. Thanks to sophisticated components and first-class workmanship these machines prove their reliability under most challenging conditions and impress lifting specialists by their surpassing durability and maximum performance. Lifting heights up to 300 m and maximum capacities of 4,000 kg perfectly qualify Böcker hoists even for the most challenging projects. In addition to quality and performance safety plays a key role for Böcker. All construction hoists comply with the current requirements for safe transport of personnel and material.

Three combinable mast systems



Aluminium mast

Mast system compatible to Superlift Z and MX 324.
Fast assembly and convenient handling.



Triangular mast

Mast system with bolted rack and firmly-joined connection bolts compatible to all MX-hoists.



Square mast

Mast system compatible Superlift LX, Giant and Maxi-Climber.
Solid four-tube mast ensures maximum tie distances.

Superlift Z 320 / 330

- Lifting height up to 100 m (328 ft)
- Max. capacity 300 kg (650 lbs)
- Max. lifting speed 30 m/min (98 ft/min)
- Aluminium mast

starting page 4



Superlift MX 324

- Lifting height up to 100 m (328 ft)
- Max. capacity 300 kg (650 lbs)
- Max. lifting speed 24 m/min (78 ft/min)
- Aluminium mast

starting page 6



e makes the difference!

Superlift MX 1024 / 2024

- Lifting height up to 200 m (656 ft)
- Max. capacity 2,000 kg (4,400 lbs)
- Max. lifting speed 30 m/min (78 ft/min)
- Triangular mast

starting page 8



Superlift LX 2024 / 4024

- Lifting height up to 200 m (656 ft)
- Max. capacity 4,000 kg (8,800 lbs)
- Max. lifting speed 24 m/min (78 ft/min) or 40 m/min (131 ft/min)
- Square mast

starting page 14



Giant-Lift

- Lifting height up to 300 m (984 ft) – higher upon request
- Max. capacity 2,800 kg (6,150 lbs)
- Max. lifting speed 60 m/min (196 ft/min)
- Square mast

starting page 18



Maxi-Climber

- Lifting height up to 200 m (656 ft)
- Max. capacity 6,000 kg (13,200 lbs)
- Max. lifting speed 7 m/min (22 ft/min)
- Square mast

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SUPERLIFT Z 320 / 330



The compact material hoist

The Böcker models Superlift Z 320 / Z 330 are extremely compact and at the same time very powerful hoists for transport of material. Due to their minimum footprint these machines are perfectly suitable for extremely narrow sites. The Superlift Z hoists are particularly popular for construction and renovation of buildings.



The Advantages

- ✓ 230 V or 400 V upon request
- ✓ High lifting speeds up to maximum of 30 m/min
- ✓ Large loading platform 1.40 x 0.85 m
- ✓ Minimum footprint due to loading platform 90° swiveling
- ✓ Easy setup due to convenient assembly of aluminium mast
- ✓ Aluminium masts with captive bolts
- ✓ Simple connection to the scaffolding
- ✓ Overload detection
- ✓ Speed-dependent parachute brake
- ✓ First-class quality, durable and reliable in operation



Technical Specifications

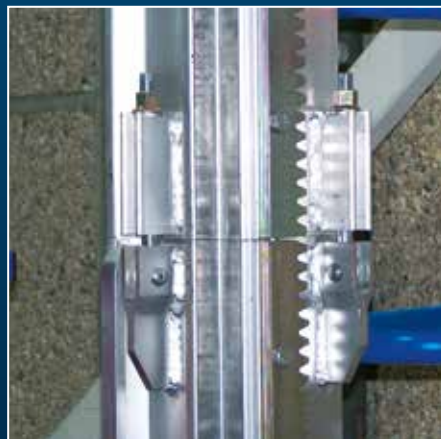
Model	Superlift Z 320	Superlift Z 330
Capacity [kg]	300	300
Drive	Rack and pinion, single mast	Rack and pinion, single mast
Platform interior dimensions (L x W x H) [m]	1.40 x 0.85 x 1.10	1.40 x 0.85 x 1.10
Lifting height max. [m]	50	100
Lifting speed [m/min]	20	30
Length aluminium mast [m]	2	2
Weight aluminium mast [m]	29	29
Tie distance [m]	4	4
Mast top [m]	1	1
Motor capacity [kW]	1.7	2.2
Fuse [A]	16	16
Operation voltage [V/Hz]	230 / 50	400 / 50
Supply Voltage [V]	42	42



The large loading platform of the Superlift Z 320 / Z 330 ensures easy loading



Swivelling load platform



Aluminium mast including captive bolts



Anchoring on scaffolding

SUPERLIFT MX 324



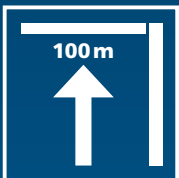
The most compact transport platform for narrow sites

The Superlift MX 324 is the most compact transport platform which provides efficient passenger and material transport on minimum footprint. The machine therefore impresses particularly on extremely narrow construction sites. Besides the lightweight aluminium-mast system ensures convenient assembly.



The Advantages

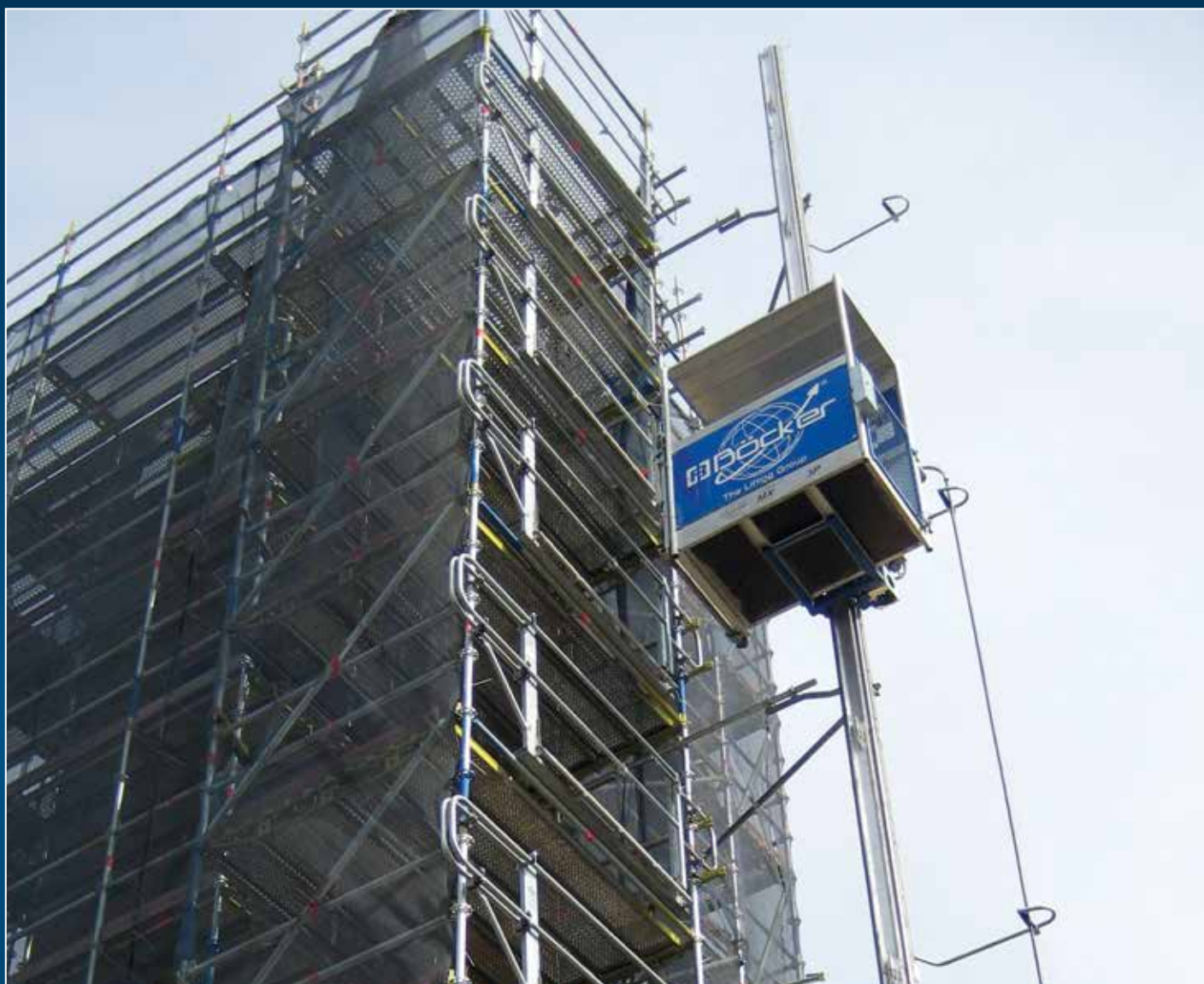
- ✓ High lifting speeds up to maximum of 24 m/min
- ✓ Easy setup due to convenient assembly of aluminium mast
- ✓ Convenient transport thanks to particularly lightweight components
- ✓ Simple connection on the scaffolding
- ✓ Overload detection
- ✓ Speed-dependent parachute brake
- ✓ First-class quality, durable and reliable in operation



Technical Specifications

Model	MX 324
Capacity [kg]	3 / 300
Drive	Rack and pinion, single mast
Platform interior dimensions (L x W x H) [m]	1.40 x 0.85 x 2.00
Lifting height max. [m]	100
Lifting speed [m/min]	24
Length aluminium mast [m]	2
Weight aluminium mast [kg]	29
Tie distance [m]	4
Mast top [m]	1
Motor capacity [kW]	2.5
Fuse [A]	16
Operation voltage [V/Hz]	400/50
Supply Voltage [V]	24

NEW



The Superlift MX 324 is the compact all-rounder for passenger and material transport



Scaffolding or wall ties upon request



Landing gates ensure safe crossing



Easy operation by function STOP on next landing

SUPERLIFT MX 1024



The compact transport platform for any application

The Superlift MX 1024 is a compact transport platform for efficient material and personal transport. Running on a single-mast this well-proven hoist impresses by low required space on-site combined with strong performance. Due to the minimum footprint there is enough space on virtually any construction site.



The Advantages

- ✓ Maximum capacity of 1,000 kg / 6 passengers
- ✓ Continuously high lifting speeds of 24 m/min
- ✓ Maximum lifting heights up to 200 m possible
- ✓ Economical automatic control, manual switchover not applicable
- ✓ Versatile, modular gate and ramp system
- ✓ Flexible sliding gates as well as space-saving swivel gates for landings
- ✓ Mechanic locking less liable to breakdown than electric
- ✓ Superior quality / durability due to galvanized and particularly robust base unit
- ✓ Böcker "Web Key" access system by card operation optionally applicable
- ✓ Available with MOVER transport chassis as option
- ✓ Complies with MRL 2006/42/EG
- ✓ Tested for type examination by German TÜV



Technical Specifications

Model	MX 1024
Capacity [kg]	6/1,000
Drive	Rack and pinion, single mast
Platform interior dimensions (L x W x H) [m]	A17 1.70 x 0.85 / A17 1.70 x 1.40 / A34 3.40 x 0.85
Lifting height max. [m]	200
Lifting speed [m/min]	24
Length aluminium mast [m]	1.5
Weight aluminium mast [kg]	55
Tie distance [m]	6
Mast top [m]	3
Motor capacity [kW]	7.5
Fuse [A]	16
Operation voltage [V/Hz]	400/50
Supply Voltage [V]	230



The Superlift MX 1024 is the versatile all-rounder on every construction site



MOVER transport chassis (option)



Modular gate and ramp system



Galvanized design for maximum durability

SUPERLIFT MX 2024



The versatile all-round transport platform

In twin-mast design the Superlift MX 2024 provides maximum performance and is therefore the ideal transport platform for all challenging construction projects.



The Advantages

- ✓ Maximum capacity of 2,000 kg / 12 passengers
- ✓ Continuously high lifting speeds of 24 m/min
- ✓ Maximum lifting heights up to 200 m possible
- ✓ Economical automatic control, manual switchover not applicable
- ✓ Flexible, modular design with platform sizes up to 5.10 m in length
- ✓ Flexible sliding gates as well as space-saving swivel gates for landings
- ✓ Mechanic locking less liable to breakdown than electric
- ✓ Superior quality / durability due to galvanized and particularly robust base unit
- ✓ Böcker "Web Key" access system by card operation optionally applicable
- ✓ Complies with MRL 2006/42/EG
- ✓ Tested for type examination by German TÜV



Technical Specifications

Model	MX 2024
Capacity [kg]	12 / 2,000
Drive	Rack and pinion, twin mast
Platform interior dimensions (L x W x H) [m]	A17 1.70 x 1.40 / A25 2.50 x 1.40 / A34 3.40 x 1.40 / A42 4.25 x 1.40 / A51 5.10 x 1.40 / B30 1.70 x 3.00 / B45 1.70 x 4.50
Lifting height max. [m]	200
Lifting speed [m/min]	24
Length aluminium mast [m]	1.5
Weight aluminium mast [kg]	55
Tie distance [m]	10
Mast top [m]	3
Motor capacity [kW]	2 x 7.5
Fuse [A]	35
Operation voltage [V/Hz]	400 / 50
Supply Voltage [V]	230



The Superlift MX 2024 is the high-performance all-rounder on any construction site



MX 2024 – A34 excentric platform



MX 2024 – B30 parallel to facade



MX 2024 – A51 with three platform elements

Special Features **SUPERLIFT MX**



Door Locking

- Mechanic door locking by fall support instead of electro-mechanic switches liable to breakdown or other complicated locking methods



Drive Unit

- MX reaches lifting speeds up to 24 m/min
- All models are optionally available with frequency-drive and lifting speeds up to 40 m/min



Control options

- Convenient passenger and material transport: the hoist can always be called from the landings. Upon request all operation modes (Automatic, Outside, OFF) can be chosen by key
- Continuously high lifting speed for passenger and material transport
- Sophisticated rotary switch enables precise operation and surpassing convenience particularly during long rides
- Diagnosis system clearly displays the operating states in any situation
- Böcker "Web Key" access system by card operation optionally applicable
- Access control including time recording possible via internet



Central lubrication system

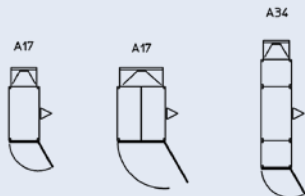
- Cost-efficient continuous lubrication ensures particularly low wear and tear on rack and pinion for all types of MX

Tailor-made for your requirements

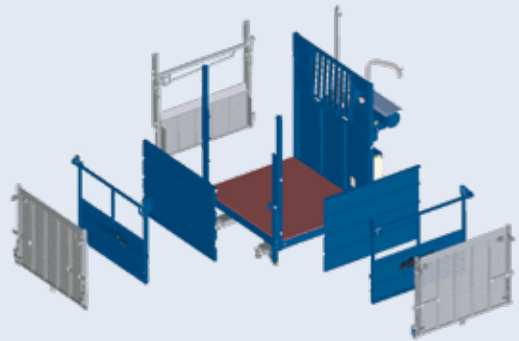
- Changeover of the MX 2024 from load-through platform (A-Type) to perpendicular platform (B-Type) is possible without any problem
- Base unit can be complemented by exit ramps, swivelling and folding gates or closure walls with almost no restriction
- Base-unit dimensions optimized for transport on trucks
- All platform sizes optionally available with roof and lights

Examples of Platform Configurations Options of extension

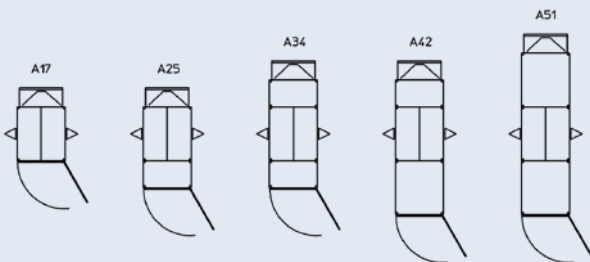
Single-mast platform as load-through platform MX 1024 (A-Type)



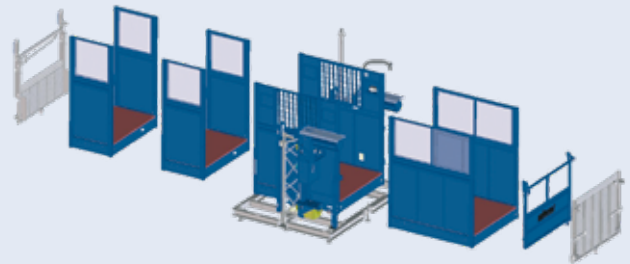
Extension components of MX 1024



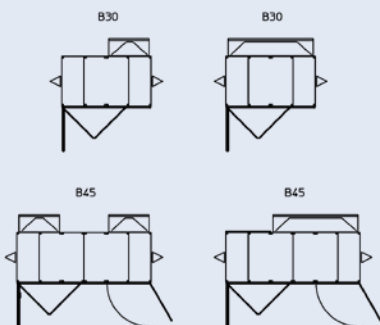
Extension of twin-mast models of MX 2024 as load-through platform (A-type)



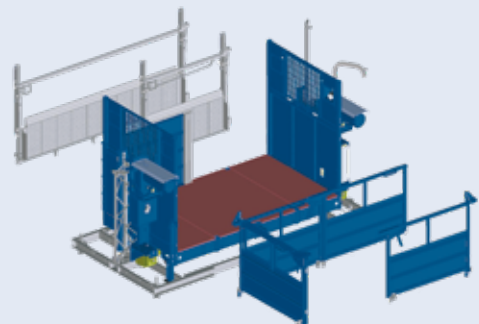
Extension components of Superlift MX 2024 as load-through platform (A-type)



Extension of twin-mast models of MX 2024 as perpendicular platform (B-type)



Extension components of Superlift MX 2024 as perpendicular platform (B-type)



SUPERLIFT LX 2024 / 2040 – 4024



Powerful, efficient and versatile

The Böcker Superlift LX is a sophisticated transport system which can be used on the most diverse construction sites due to its surpassing versatility. Having a maximum lifting height of 200 m it is perfectly suitable even for large construction projects. Depending on the type of cabin this hoist provides sufficient space for up to 12 passengers or 4,000 kg load respectively. Upon request the Superlift LX can be operated in single mode or twin mode with two cabins on one mast. The hoist reaches maximum lifting speeds of 40 m/min and therefore ensures efficient transport of passengers and material.



The Advantages

- ✓ Superior lifting capacity of 4,000 kg / 12 passengers
- ✓ Continuously high lifting speeds of 24 or 40 m/min
- ✓ Maximum lifting heights up to 200 m
- ✓ Economical automatic control, manual switchover not applicable
- ✓ Maximum efficiency due to flexible, modular design with platform sizes up to 5.10 m
- ✓ Flexible loading through A-, B- and C-side of cabin
- ✓ Single- or twin-cage operation
- ✓ Combination of LX as material hoist and Giant as passenger hoist possible on one mast
- ✓ Maximum tie distance of 15 m (LX 4024 up to 25 m)
- ✓ Available with fully closed cabin upon request
- ✓ Böcker "Web Key" access system by card operation optionally applicable
- ✓ Superior quality and durability thanks to galvanized and particularly robust base unit



Technical Specifications

Model	LX 2024 / 2040	LX 4024
Capacity [Pers./kg]	12 / 2,000 bzw. A17 2,300	12 / 4,000
Drive	Rack and pinion, single mast	Rack and pinion, twin mast
Platform interior dimensions (L x W) [m]	A17 1.70 x 1.40 / A25 2.55 x 1.40 / A34 3.40 x 1.40 / A42 4.25 x 1.40 / A51 5.10 x 1.40	A17 1.70 x 2.90 / A25 2.50 x 2.90 / A34 3.40 x 2.90 / A42 4.20 x 2.90 / A51 5.10 x 2.90
Lifting height max. [m]	200	200
Lifting speed [m/min]	24 / 40	24
Length square mast [m]	1.5	1.5
Weight square mast [kg]	144	144
Tie distance [m]	15	25
Mast top [m]	9	15
Motor capacity [kW]	2 x 7.5	4 x 7.5
Fuse [A]	32 / 63	80
Operation voltage [V/Hz]	400 / 50	400 / 50

NEW



The Superlift MX 4024 is the most powerful Bocker transport platform for challenging projects



Superlift LX 2040 – A34 in twin-cage operation



Superlift LX 2024 – A34 in single-cage operation



Superlift LX 2024 – safe and quick access to each floor

Special Features **SUPERLIFT LX**



Transport cage

- Superlift LX available in different cage sizes
- Different gate positions possible on A-, B- and C-side of cabin



Gate and Ramp system

- Ramp locking mechanically operated ensures at the same time maximum operational safety
- Stable exit ramps designed for permanent load at maximum level
- Sliding gates and swivelling gates available for landings
- Landing-control units available upon request



Diagnosis system

- Display of information in plaintext for fast diagnosis of all operation states
- Diagnosis system enables easy and fast service support and therefore avoids time-consuming and costly operations



Web Key Access system by card operation

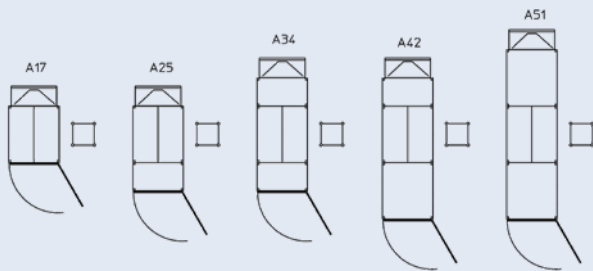
- Operating hours of a machine can be recorded exactly per day. Precise accounting per minute on a daily basis is therefore possible without a problem
- Full data available through internet on permanent basis
- Full data can be downloaded and used for further analysis as well as link-up
- Recorded data are transmittable to disposition and accounting software
- Full machinery monitoring at any time and any place with internet access

Tailor-made for your requirements

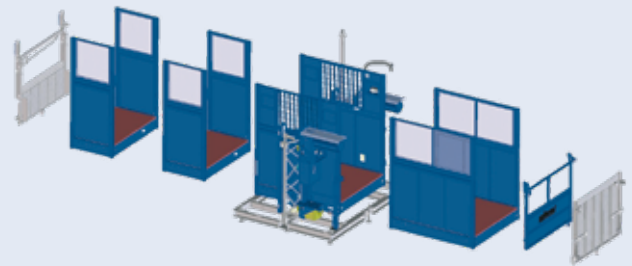
- Base unit can be complemented by exit ramps, swivelling and folding gates or closure walls with almost no restriction
- Base-unit dimensions optimized for transport on trucks
- All platform sizes optionally available with roof and lights
- Stable mast system enables single- and twin-cage operation
- Operation of different cage sizes on one mast possible without a problem
- Available upon request as PM version with fully closed hoist cage

Examples of Platform Configurations Options of extension

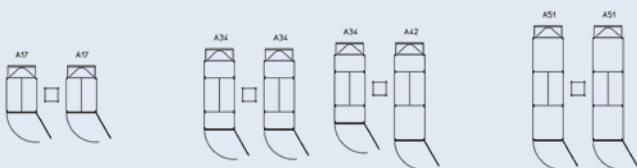
Single-cage operation



Extension with additional platform elements

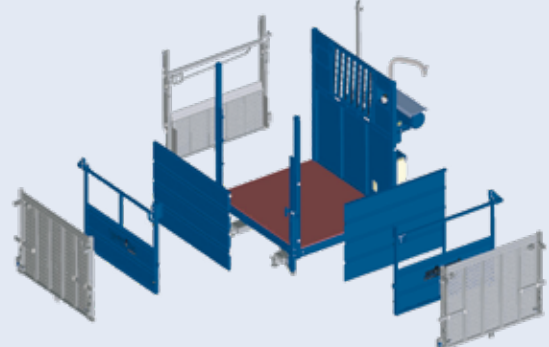


Twin-cage operation



In twin-cage operation the various cabin sizes shown above can be combined freely with each other

Extension with gates, ramps and closing walls



GIANT-LIFT



Powerful and reliable even under challenging conditions

The Böcker GIANT-Lift is a large and sophisticated hoist for construction works around the world. Having a maximum lifting height of 300 m (higher upon request) this passenger and material hoist is perfectly suitable even for the most challenging projects. The hoist cages have a loading capacity of up to 2.8 t and provide sufficient space for up to 28 passengers. In addition to that the GIANT-Lift impresses by lifting speeds up to 60 m/min and a sophisticated group control, designed for efficient co-ordination of several hoists. That way a maximum amount of material or maximum number of passengers can be transported on large construction sites in short time.

The Advantages

- ✓ Superior lifting capacity of 2,800 kg / 28 Persons
- ✓ Continuously high lifting speeds of 40 or 60 m/min
- ✓ Maximum lifting heights up to 300 m (higher upon request)
- ✓ Cage dimensions 3.00 – 4.20 m x 1.50 m
- ✓ Modular cage design including flexible gate/ramp system
- ✓ Precise landing approach even with maximum load
- ✓ Comfort, Basic and Basic-Plus control
- ✓ Fast assembly and programming of landings
- ✓ Pluggable electric components for fast and efficient assembly
- ✓ Mast system compatible to Superlift LX or Maxi-Climber
- ✓ Böcker "Web Key" access system by card operation optionally applicable
- ✓ Economic control types e.g. hoist-group control
- ✓ Complies with MRL 206/42/EG and EN 12159
- ✓ Tested for type examination by German TÜV

Technical Specifications

Model	GL
Capacity [Pers./kg]	28 / 2,800
Drive	Rack and pinion, single mast
Platform interior dimensions (L x W) [m]	3.00 – 4.20 x 1.50
Lifting height max. [m]	300
Lifting speed [m/min]	40 – 60
Length square mast [m]	1.5
Weight square mast [kg]	144
Tie distance [m]	15
Mast top [m]	9
Motor capacity [kW]	52
Fuse [A]	125
Operation voltage [V/Hz]	400 / 50



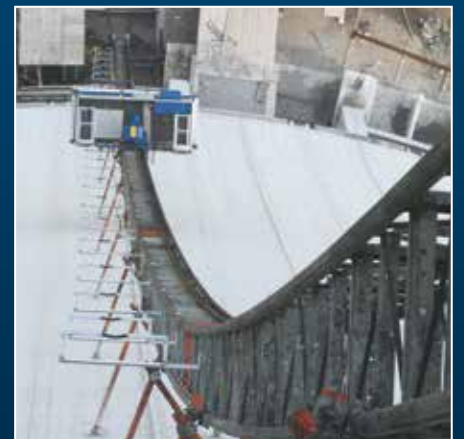
GIANT-Lift – installation with landing scaffolding



Twin-cage operation



Single-cage operation



Operation on concave building structures

Special Features **GIANT-LIFT**



Transport Cage

- Flexible, modular cage lengths from 3.00 to 4.20 m
- Numerous areas of application with single- and twin cage operation
- Equipment with ramp system upon request
- Particularly robust and therefore suitable for any site conditions
- Maintenance-free tandem rollers
- Reduction of assembly-time on-site thanks to compact transport dimensions
- Reduced entry-level of only 40 cm



C-Door

- Particularly designed for loading of long goods
- C-door can be retrofitted on-site upon request
- Available in different lengths 3.00 to 3.80 m



Types of controls

- Basic control with joystick for approach on landings, Basic-Plus control with joystick and keyboard for landing preselection or Comfort control with keyboard preselection
- Innovative microprocessor control in outdoor technology ensures low waiting times and maximum operational safety
- Landing preselection and group control
- Self-explaining, multi-language menu navigation in plaintext
- Easy and automatic change to formwork pursuit, for approach of sliding or climbing formwork
- Remote-maintenance application by GPS/GPRS
- Böcker "Web Key" access system by card operation



Landing control

- Easy and fast assembly, complete or in separate components upon request
- Partial system or including landing-scaffold
- Mechanic locking
- Unlocking is activated upon approach of hoist cabin on landing
- Door locking and door position electrically monitored
- Landing control available in cable or radio-remote design



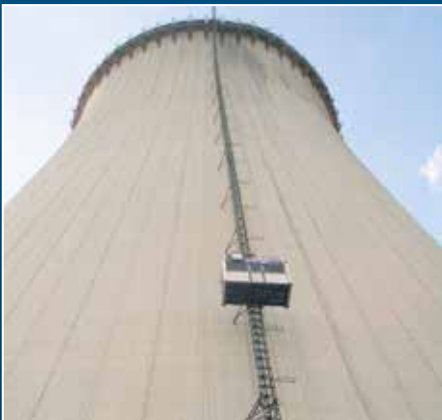
Landing gates

- Different designs of landings available
- Double-wing door 2 m high, sliding or swiveling door (1.10 m high) with ramp system to ensure economic solutions for any requirement
- Unlocking is activated upon approach of hoist cabin on landing
- Door locking and door position electrically monitored



Drive

- Reduced wear and tear on rack and pinion due to operation with 3 motors
- Particularly cost- and energy-efficient but with full performance
- Fast replacement of electric motors due to the use of plug connections
- Sophisticated and well-proven components ensure long product life and maximum operational safety
- Efficient drives for smooth acceleration and stop, therefore minimum wear and tear of drive components
- Automatic lubrication
- Economical operation thanks to low maintenance costs



Flexible mast-layout

- Lying e.g. for installation on inclined building fronts
- Concave e.g. for installation on cooling towers



Easy-to-assemble

- Assembly crane for mast assembly without further equipment from customers
- Assembly bridge to reach anchoring points on the building
- Assembly by crane of bolted mast elements possible up to maximum length of 15 m

MAXI-CLIMBER



Maximum efficiency for operations on facades

The Maxi-Climber MC 650 is always the best choice for any kind of façade operations. Particularly on angled building fronts Böcker mast-climbing platforms clearly outperform classical scaffoldings thanks to their surpassing versatility. Due to platform lengths up to 35 m and payloads up to six tons the Maxi-Climber is particularly suitable even for challenging projects.



Versatile components offer full flexibility

The Maxi-Climber is particularly characterized by its surpassing adaptability. Individually adjustable platform lengths and widths ensure accurate configuration even on angled building structures. The Maxi-Climber can be installed on convex and concave or even inclined facades without a problem.



The Advantages

- ✓ Loading capacity up to 6,000 kg
- ✓ Lifting speed 7 m/min
- ✓ Lifting height up to 200 m
- ✓ Platform lengths up to 35 m
- ✓ Variable platform lengths as well as enlarging elements up to 1.60 m
- ✓ Adjustable to convex and concave building structures
- ✓ Infinitely movable
- ✓ Stable railing for superior work safety
- ✓ Anchoring every 15 m
- ✓ Anchoring distance of 36m with tie head



Technical Specifications

Model	MC 650 Single-mast platform	MC 650 twin-mast platform
Width [m]	1.6 – 3.2	1.6 – 3.2
Length [m]	3 – 15	10.4 – 35.10
Capacity (anchored) [Pers./kg]	3,400 / 2 – 3 Persons	6,000 / 2 – 4 Persons
Lifting height max. (anchored) [m]	200	200
Lifting height max. (free-standing, inside) [m]	20 / 23	20 / 23
Lifting height max. (tie head) [m]	36	36
Tie distance [m]	15	15
Height mast element [m]	1.51 / 1.21	1.51 / 1.21
Weight mast element [m]	140 / 82	140 / 82
Motor capacity [kW]	2 x 3.4	4 x 3.4
Operation voltage [V/Hz]	400 / 50	400 / 50
Fuse [A]	32	2 x 32



Modular design of the Böcker Maxi-Climber



Maxi-Climber as twin-mast platform



Compact Mini-chassis



Powerful motors

**Böcker – made in
GERMANY**



**DENSEST
SERVICE-NETWORK
IN EUROPE**

Böcker Belgium NV

Boomsesteenweg 101 · B-2630 Aartselaar
Fon +32 (0)3 4576241
Fax +32 (0)3 4576242
Mail info@boecker.be

Böcker France SAS

5, rue Maximilien Robespierre · F-93130 Noisy-le-Sec
Fon +33 (0)1 48406767
Fax +33 (0)1 48406768
Mail info@boecker.fr

Böcker Italia srl

Sede Legale:
Corso Porta Nuova 11 · IT-37122 Verona (VR)
Sede Operativa/Amministrativa:
Via delle Nazioni 6 · IT-37012 Bussolengo (VR)
Fon +39 045 8780399
Fax +39 045 8780420
Mail info@boecker.it

Böcker Nederland B.V.

De Geerden 22 · NL-5334 LE Velddriel
Fon +31 (0)418 571444
Fax +31 (0)418 635222
Mail info@boecker.nl

Böcker Schweiz AG

Industriestr. 17 · CH-4800 Zofingen
Fon +41 (0)62 7976262
Fax +41 (0)62 7976268
Mail info@boecker.ch

Böcker UK Ltd.

Unit B Grazebrook Park
Hulbert Drive · Dudley
West Midlands · UK-DY2 0XW
Fon +44 (0)1384 476580
Mail info@boecker.co.uk

Böcker

Böcker Maschinenwerke GmbH
Lippestr. 69–73 · D-59368 Werne
Fon +49 (0)2389 79 890
Fax +49 (0)2389 79899000
Mail info@boecker.de