



GUIL®

Since 1983

LIFTING TOWERS - FRONT LOADING

ULK 650

Max. Height.: 6.5 m / Max. Load.: 350 kg



Lifting Tower designed to lift loads of up to 350 kg (772 lb) up to a maximum height of 6.5 m (21 ft 4 in).

Lifting towers developed for loading heavy weights at a great height. Its user friendly, compact design and great strength, make the ULK Lift an ideal complement for any kind of event.

CE

2006/42/CE

EN 17206

DGUV 17 & 18

DGUV Rule 115-002

MADE IN SPAIN





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SPECIFICATIONS ULK 650

- ▶ Maximum Height: **6.5 m | 21 ft 4 in**
- ▶ Maximum Load: **350 kg | 772 lb**
- ▶ Safety Systems:
 - **ASB System** (Automatic Safety Blocking System)
 - **IPB System** (Internal Pendulum Brake) + **MSU System**
- ▶ Brake Winch: **Double-handled**
- ▶ Height stowed: **1.98 m | 6 ft 6 in**
- ▶ Horizontal Transport: **Included**
(4 x Ø 150 mm wheels, 2 of them with 3 positions)
- ▶ Wheels: **Secured to the base with 4 fixing points**
- ▶ Leveller screw jacks: **Trapezoidal thread TR24x5.**
Greater durability and speed.

- ▶ Material: **Aluminium** (alloy EN AW 6082-T6) & Steel
- ▶ Colour: **BLACK Finish**
- ▶ Standards: **DGUV 17 & 18 | DGUV Rule 115-002**
DIN EN 17206 | 2006/42/CE
- ▶ Net Weight: **187 kg | 412 lb**
- ▶ Sections: **4 Sections** – Profile dimension (width): **181 mm | 7.1 in**





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SAFETY

DETAILS THAT MAKE THE DIFFERENCE

Fitted with 3 safety systems and an unblocking mechanism



Auto-brake winch with two handles certified for greater loads than those stipulated for each tower, which ensures a larger margin of safety.



Compliant with EU Machinery Directives.

ASB SYSTEM



ASB: Automatic Safety Blocking System.

Each mast section is fitted with safety bolts that prevent the mast from falling.

IPB SYSTEM



IPB: Internal Pendulum Braking system.

Automatically activated on each mast section if they were to suddenly fall. The mast can be easily unblocked by the MSU trigger on each profile.

MSU SYSTEM



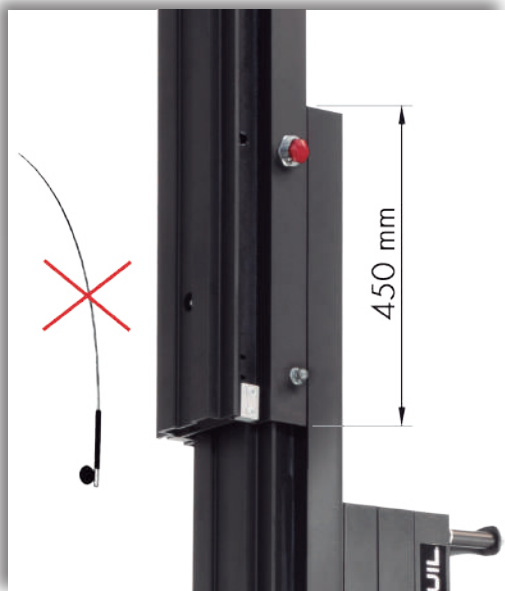
MSU (Mast Section Unblocking) system.

Releases the tower sections, allowing them to be stowed when the IPB has blocked them, so that the tower can be loaded in a van with no need to dismantle it.

STRENGTH & RESISTANCE

Thicker metal, greater mast overlaps, and other safety solutions

Thicker aluminium & steel parts. We use extra thick aluminium and steel to make the mast profiles and bases of our towers. Stronger structures mean greater safety for users, which is GUIL's maximum priority.



Mast section Overlap.

Greater mast overlap of at least 45 cm, preventing the fishing rod effect. This keeps the tower straighter and more vertical when raised, thus preserving the shape of the sections.



Four strengthening braces

join the vertical and horizontal parts of the tower for extra robustness and stability.



Extra large steel plate

to anchor the aluminium mast sections to the base for maximum strength. It goes further up the profiles than others, up to 51cm, reaching down to the bottom of the mast profiles, only a few cm from the ground, providing an unbeatable base for the lifting process.





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TRANSPORT & MANOEUVRABILITY



For transport and storage in vertical or horizontal position



ROBUST towers with a stowed height of to 198 cm.

Can be transported vertically or horizontally even in small vans and stored in reduced spaces.





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Fold-away manoeuvring handle included. Two Ø 150 mm wheels on the 3-position handle to steer the lifter during vertical transport, to transport the lifter horizontally and load it in vehicles, and to permit easy operation and storage.

Transport wheels on the base Two further Ø 150 mm wheels at the back of the base, for horizontal transportation and easy loading in vehicles.



Wheels on the base Four strong Ø100 mm swivel wheels. Each wheel is fixed to the base on a steel plate attached with 4 screws, for unbeatable strength and solidity.

Forklift ready The base of the ULK towers is designed to be easily picked up by a forklift truck for transport, loading on vehicles, or storage.





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SMOOTH, EFFICIENT OPERATION



Auto-brake winch with two handles to make operation quicker, easier and more comfortable.

Two downstrokes instead of one to power the drum almost double the winch's performance, and two-handed work is more balanced.

The winch handles can be removed for transport and storage, and to prevent unauthorised use.

Compliant with EU Machinery Directives.



Components and mechanisms for quicker and easier use



Heavy-duty screw-jacks with thicker-than-usual double-entry spindles rather than standard metric threads, making them quicker to use, and ergonomic handles to operate them. They are equipped with outsize chromed discs with footplates injected with rubber which prevent damage to floor surfaces.

Rectangular section legs, for greater strength, and fastened in place using GUIL's RC-100 magnetic locking pins.

The ends of the legs are closed with a welded plate, increasing their resistance and durability.



Reinforced bracket and forks. Reversible: Fork brackets can be attached either way up for greater lifting height; Adjustable: the forks are width adjustable; Detachable: the forks can be removed for transport or storage. The forks are 60x60mm in section and are fastened on the fork holder with RC-100 magnetic locking pins. They are fitted with a bolt with an ergonomic metal knob to retain attachments securely on the forks.





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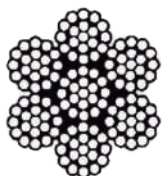
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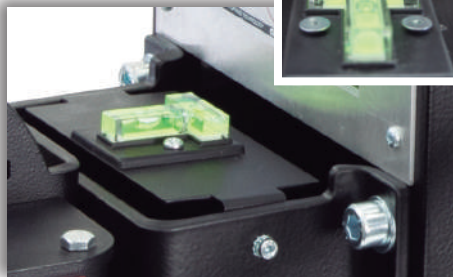
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Ultra-flexible, non-rotating steel cable, specially designed to avoid twisting and crimping when in use and to make operation as efficient as possible.



Spirit level with two bubbles, one for the left-right axis, and the other for the front-back axis, to achieve perfect verticality for the ULK using the screw-jacks on the legs.



MSC: Mast Sequence Control System.

Ensures that the mast sections rise only one at a time and in order when operating the winch.

MSC SYSTEM



Guide wheels The mast profiles are equipped with guide wheels with bearings to ensure that they move freely and with perfect stability.



Magnetic locking pins (ref. RC-100 & RC-100/L for extra length).

Their neodymium magnets allow them to stick to the tower if they are dropped during set-up or take-down, preventing them from getting lost. Another creation Designed by GUIL from the fertile minds of our Technical Dept.

Ergonomic steel handle for easy handling. A great help during transportation, loading the tower into a vehicle, or positioning it in storage.

Mast profiles made with EN-AW 6082 T6 aluminium alloy, with steel re-send pulleys to guide the cable through the profiles to raise and lower the load, reducing the effect of the weight being lifted.





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MEASUREMENTS





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ACCESSORIES FOR ULK LIFTING TOWERS

ADJUSTABLE STABILISER BRACES

ULK-B1: Tensioners fitted with an adjustment mechanism consisting of a solid aluminium M16 thread at the top of the bar, allowing it to be tightened to apply outward pressure to the mast and the legs and thus instill maximum strength and stability to the tower.



ADAPTORS FOR LINE ARRAY

FOR TRUSS



ULK-A4

Adaptor with a special design that prevents the Line Array system from swaying from side to side or twisting when raised, ensuring that it doesn't move and always faces in the right direction.



ULK-A6

Set of 4 adaptors to lift Line Array systems



ULK-A10

Truss adaptors that can swivel 360° to allow trusses to be attached at any angle to the forks, multiplying the possible configurations that can be assembled.

