GUIL®

Desde 1983

# GROUND SUPPORT TOWERS

# TMD


CE

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DGUV Rule 115-002

MADE IN SPAIN

# GROUND SUPPORT TOWER

## Double-handed winch

Ground Support tower designed to lift up to 500 kg to a maximum of 7.39 metres. It is composed of reinforced square truss sections (400 x 400 x 3 mm).

| SPECIFICATIONS | TMD-600/7<br>TMD-600N/7 | TMD-600/8<br>TMD-600N/8 |
|---|---|---|
| ► Maximum Overall Height: | 7.39 m | 8.39 m |
| ► Maximum Working Height: | 7 m | 8 m |
| ► Maximum Load: | 500 kg | 500 kg |
| ► Double-handed winch: | BULL500 | BULL500 |
| ► Mast Sections–Square Truss | 4 (400x400x3 mm) | 5 (400x400x3 mm) |
| ► Material: | Aluminium & Steel | Aluminium & Steel |
| ► Use: | For OUTDOOR & Indoor use | For OUTDOOR & Indoor use |
| ► Net Weight: | 248 kg | 255 kg |
| ► Colour: | TMD-600/7: Black/Aluminium<br>TMD-600N/7: Black | TMD-600/7: Black/Aluminium<br>TMD-600N/7: Black |

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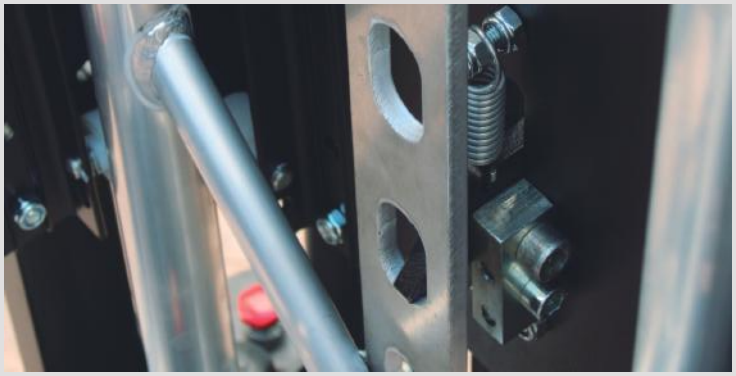
Includes stabilisers & double-handed winch. Telescopic legs.

## SAFETY SYSTEM

The TMD-600 ground support tower is equipped with a safety system to prevent the sleeve block and rig from falling in the event of the cable breaking on a tower.

The truss sections have a rack down one side of the tower, and the sleeve block has a safety bolt which automatically occupies the nearest hole in the rack in the event of cable breakage, holding the sleeve block in position and stopping it from falling.



## MAST SECTIONS – TRUSSES

**The TMD-600/7 & TMD-600N/7 tower consists of 4 square truss sections of 400 x 400 mm:**
– Two 1-metre sections: one section fastened to the base and with hinges to connect to the rest of the trusses, and another section with the head block installed.
– One 2-metre section: this section also has hinges to connect to the truss fastened to the base.
– One 3-metre section.

**The TMD-600/8 & TMD-600N/8 tower consists of 5 square truss sections of 400 x 400 mm:**
– Three 1-metre sections: One section fastened to the base and with hinges to connect to the rest of the trusses. Another section with the head block installed. The third section will just form part of the structure.
– One 2-metre section: This section also has hinges to connect to the truss fastened to the base.
– One 3-metre section.

The mast sections are connected using our UTR-10 couplers to provide optimum safety and solidity, making set-up quick, safe and straightforward. This way the vertical mast is built, forming a solid, robust structure for the sleeve block to move on with total safety.

## SLEEVE BLOCK

The sleeve block has 3 sides on which the horizontal truss structures can be installed to assemble the structure required. **Its versatility allows trusses of both 400 x 400 mm and 290 x 290 mm to be attached.**

The smooth movement of the sleeve block is ensured by the 16 nylatron rollers installed inside the block, which keep it perpendicular to the tower and provide almost frictionless operation. This in turn reduces to the minimum wear and tear on the tower and the sleeve block, keeping the equipment in first-class condition for use.

Photo: EVENTOS BALLESTEROS

## HANDED WINCH: BULL500

The BULL500 double-handled winch is equipped with an automatic braking system, which holds the load in place when the handle is not being turned.

The handles are detachable, which means that non-authorised personnel may not operate the winch.


## BASE

The compact steel base has been designed to hold all the components of the tower except the truss sections in a highly reduced space, to make the tower unbeatably practical and mobile.

After consultation with customers during the development of the tower, we have incorporated in the base of the TMD-600 a novel configuration of the leg sockets. Both of the sockets go from one corner of the base to the one diagonally opposite, a design feature which allows one of the legs to be passed through one of the sockets to form a shorter leg on both sides of that diagonal.

This allows the TMD-600 to be set up in places where there is not sufficient room to install all four complete telescopic legs. Telescopic legs will be installed in the sockets of the other diagonal.


## HEAD BLOCK

The head block is fastened to the second 1-metre long truss section, and is designed for use with cable or chain. In addition to the pulleys, the head block is fitted with a mooring ring for the end of the cable, which allows the user to create a re-send pulley system using the pulley on the hook that must be attached to the mooring ring on the sleeve block.


## 4 BRACE BARS

4 stabilising struts connect each leg to the tower, guaranteeing the solidity and resistance so essential for any lifting device that is designed to be used not only near large numbers of people but also outdoors.

## TELESCOPIC LEGS

The four telescopic legs of the TMD-600 are 1180 mm long when stowed on the base, the shortest of three length options. In order to provide a larger footprint for the tower for greater stability in use, there are two extensions of 196 mm on each leg, allowing them to be lengthened to 1376 or 1572 mm if necessary. Each leg is equipped with a double-threaded leveller screw-jack for quick, secure adjustment, and non-slip plates to prevent any movement while in use.

## ASSEMBLY SUPPORT ARM BC-TMD/6 – OPTIONAL

For use with the TMD-600, GUIL offer an optional assembly support arm (Ref: BC-TMD/6), which is attached to the base truss with couplers and provides a higher vantage point for the process of raising the mast to vertical.

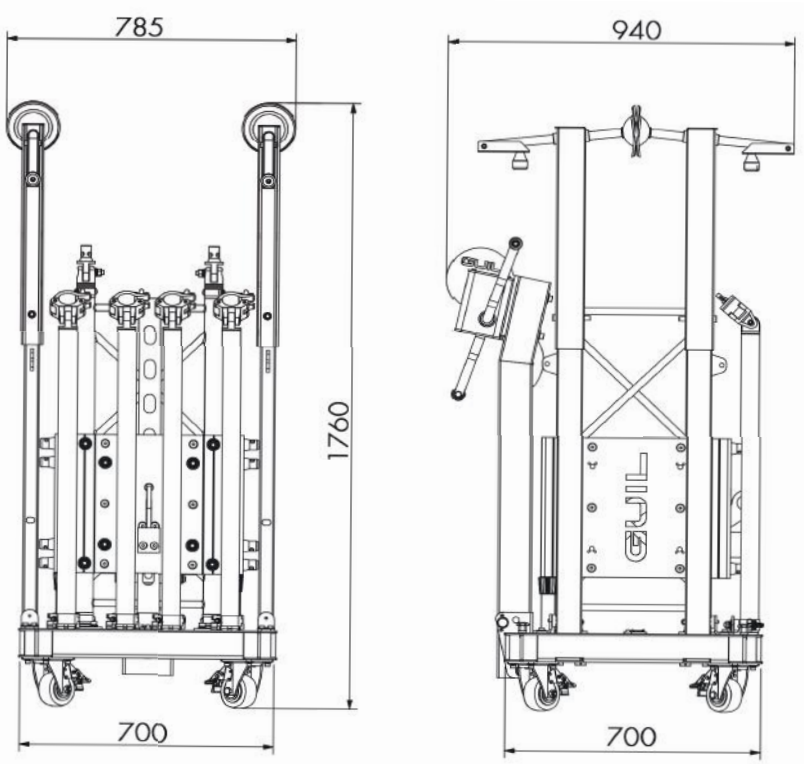
With the cable passing over this support arm, the angle between the cable and the assembled tower is greater, which makes lifting the tower less effort for the winch. The support arm can be used to raise one tower and then moved to the next, while the towers are assembled one by one.

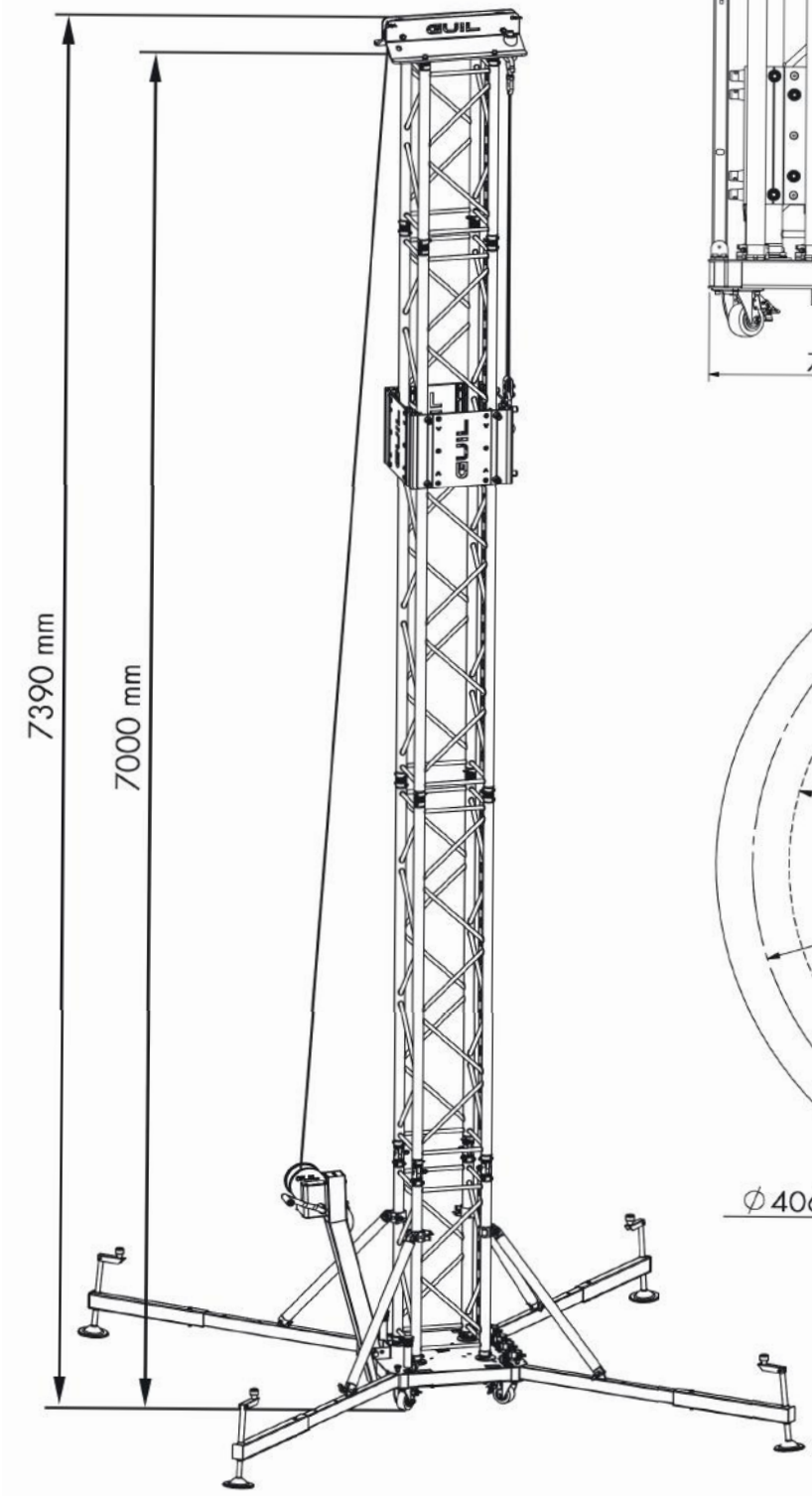


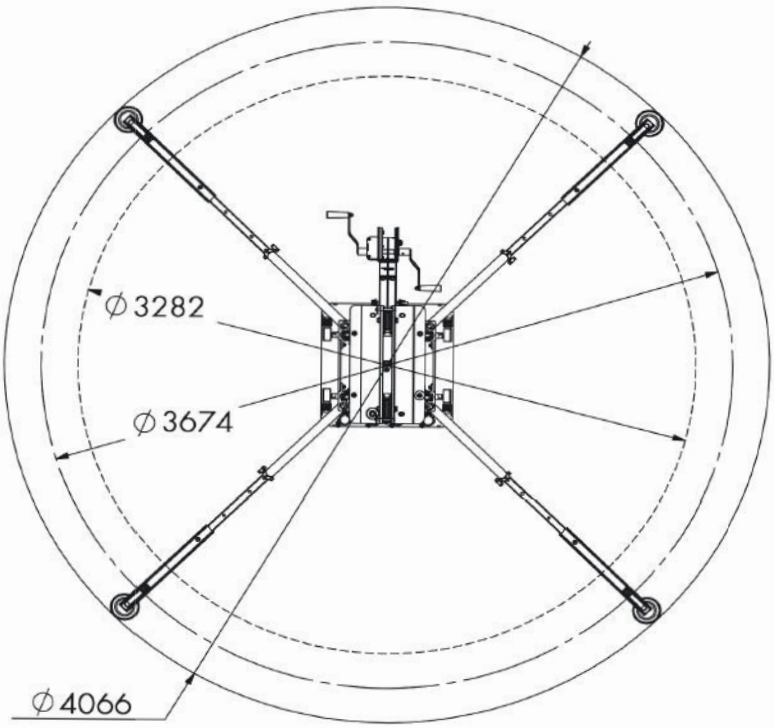
Photo: MULEDSOUND

## MEASUREMENTS

**TMD-600/7**
**TMD-600N/7** (Black)

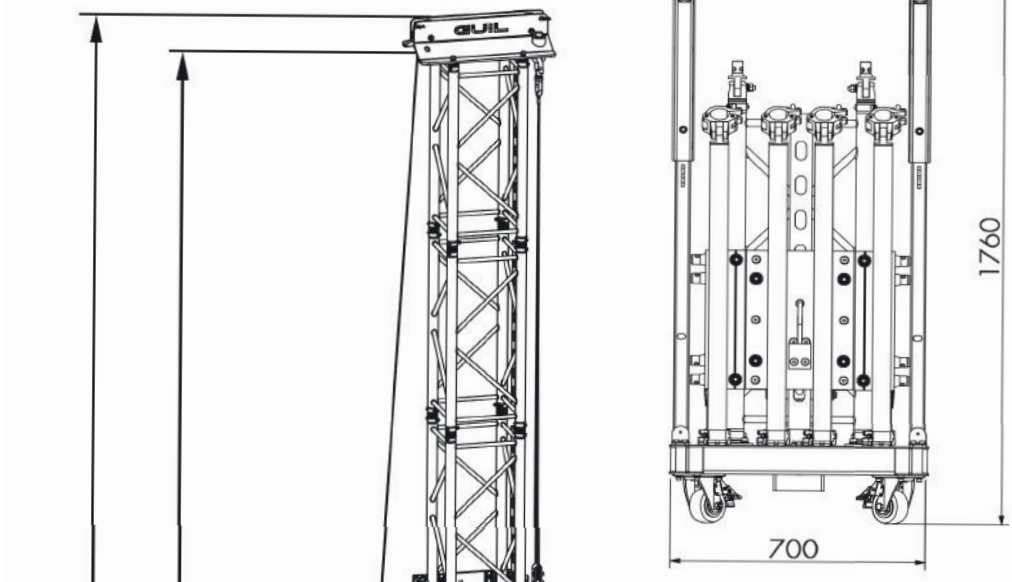


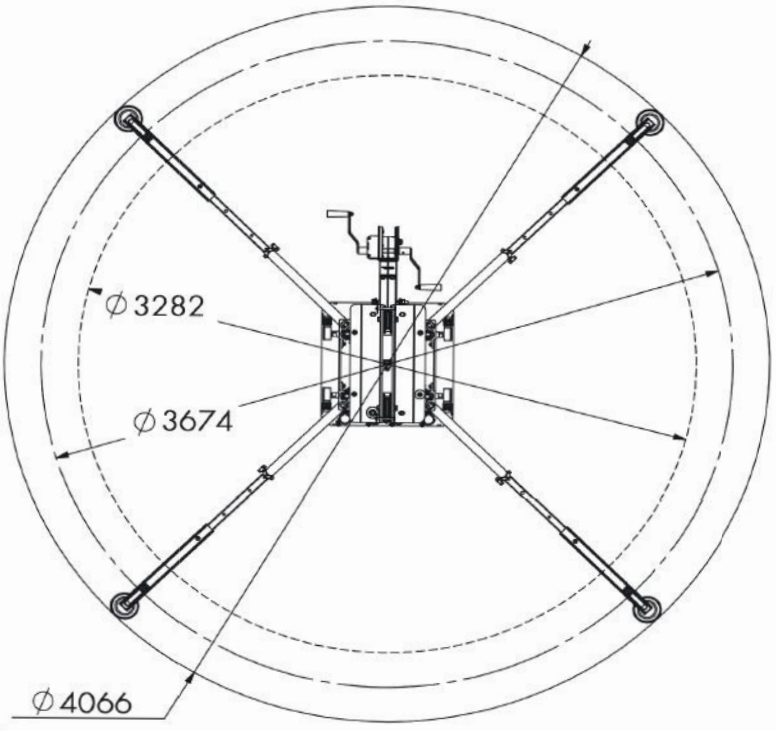
## MEASUREMENTS

**TMD-600/8**
**TMD-600N/8** (Black)









# GROUND SUPPORT TOWER

Ground Support tower designed to lift up to 800 kg to a maximum of 8.39 metres. It is composed of reinforced square truss sections (400 x 400 x 3 mm).

| SPECIFICATIONS | **TMD-900/8**<br>**TMD-900N/8** (Black) |
|---|---|
| ► Maximum Overall Height: | 8.39 m |
| ► Maximum Working Height: | 8 m |
| ► Maximum Load: | 800 kg |
| ► Mast Sections–Square Truss: | 5 (400x400x3 mm) |
| ► Material: | Aluminium & Steel |
| ► Use: | For OUTDOOR and Indoor use |
| ► Net Weight: | 254 kg |
| ► Colour: | TMD-900/8: Black & Aluminium<br>TMD-900N/8: Black |

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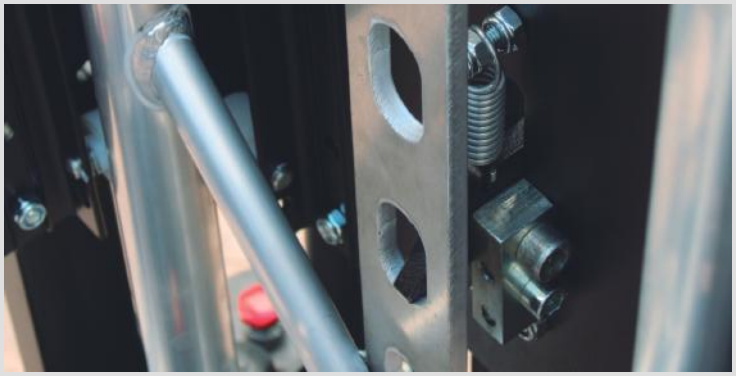
Includes stabilisers & telescopic legs.

## SAFETY

The TMD-900 Ground Support tower is fitted with an advanced fall-prevention safety system, which prevents the structure from collapsing in the extreme case of the cable breaking.

The system consists of a rack that travels the length of one side of the truss sections and a safety bolt installed in the sleeve block.

In the event that the cable breaks, the bolt engages automatically and enters in the nearest hole of the rack, immobilising the sleeve block and preventing it from falling.



## VERTICAL TRUSS STRUCTURE

The TMD-900 tower is composed of 5 reinforced truss sections of 400 x 400 mm:

- Three 1 m sections:
  - The section located in the base is connected via hinges to the rest of the sections;
  - The uppermost section houses the headpiece;
  - A third section, with no specific purpose, which forms part of the structure.
- One 2 m section: Also fitted with hinges, this section is easily connected to the truss on the base.
- One 3 m section.

The sections are assembled using UTR-10 connectors, which ensures safe, efficient assembly. In this way, the vertical structure is set up, providing a robust, stable construction where the sleeve block can move safely.

## SLEEVE BLOCK

The sleeve block is designed with three sides where horizontal lengths of truss can be assembled, allowing different structures to be configured according to the requirements of each project. Its versatility allows trusses both of 400 x 400 mm and of 290 x 290 mm to be connected.

The sleeve block moves smoothly and efficiently thanks to its 16 nylon wheels that reduce friction and minimise wear and tear, both on the tower and on the sleeve block itself. The wheels of this system act as guides, ensuring smooth movement and prolonging the useful life of the tower.

Thanks to GUIL's innovative design, which incorporates a special mounting for a motor, the lifting and/or lowering process of the tower (vertical structure) and the construction (horizontal structure) is smoother and more stable. This characteristic allows the structure to be operated quickly and simply by a single professional.

This new GUIL sleeve block design offers excellent compatibility with different models and brands of motor, thanks to its adjustable internal slots, allowing the height to be adjusted according to the dimensions of the motor.

**Another advantage of the new GUIL motor support is its compatibility with the sleeve block of the TMD-600 model, allowing the modular tower to be converted into a manual or motorised version, according to if it has a two-handled winch or the motor support.**

(Note: Motor not included. We recommend using a motor with a load capacity of 1000 kg.)


## BASE

The compact steel base has been designed to hold the components of the tower, except for the truss sections, in an extremely reduced space. This means that the tower is very practical and mobile, making its transportation and storage easy.

Following conversations with users of our towers during the development of the TMD-900, we have incorporated an innovative model of leg sockets.

This through socket allows the length of the leg on one side to be shortened by inserting it further into the base than usual. This feature makes it possible to adapt the footprint of the tower to places with more limited space.


## HEADBLOCK

The headblock, consisting of two high-resistance 1290mm aluminium beams, is located in the uppermost 1m truss section.

Its design allows it to be easily detached from the tower for storage in the base or setting aside on the ground during set-up, as well as facilitating the installation of the motor chain.

## 4 STABILISING ARMS

Each leg is connected to the tower with a stabiliser arm, guaranteeing great solidity and resistance, two key properties of any lifting tower.

This construction ensures the stability necessary for its use both in outdoor and indoor settings with high concentrations of spectators.

## TELESCOPIC LEGS

The tower is fitted with 4 telescopic legs, each one with three different length settings. In their shortest version, the legs are 1150 mm long once assembled in the base. To increase the footprint and, with it, the tower's stability, each leg has two extensions of 200 mm, which allows them to reach lengths of 1350 mm or 1550 mm as required.

Each leg has a leveller screwjack with double thread for quick, safe adjustment, as well as non-slip discs which prevent any movement during use, guaranteeing greater safety and stability.

## ASSEMBLY SUPPORT ARM BC-TMD/6 – OPTIONAL

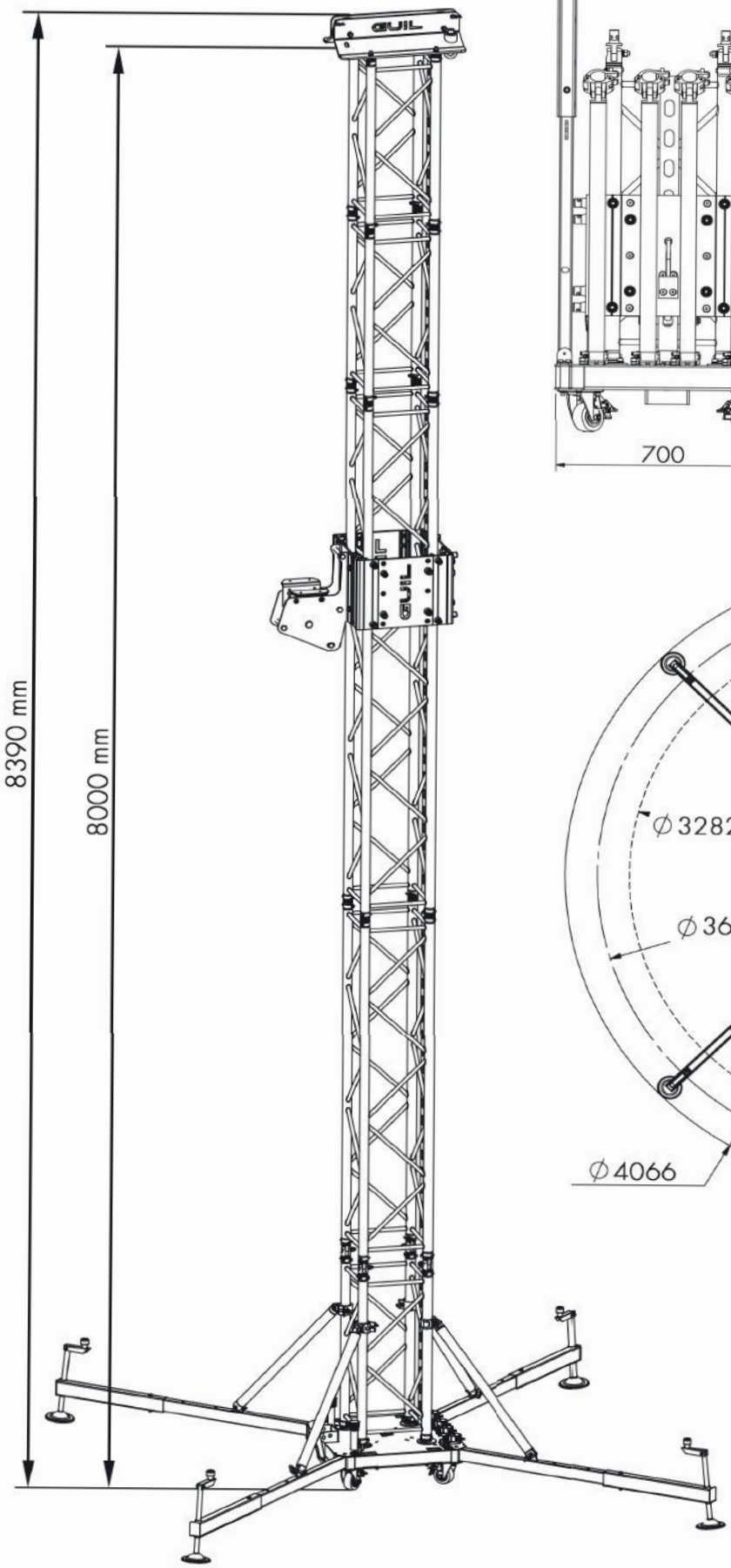
To make the assembly of the TMD-900 easier, GUIL offers an optional accessory (Ref: BC-TMD/6), which is fastened to the base truss with clamps.

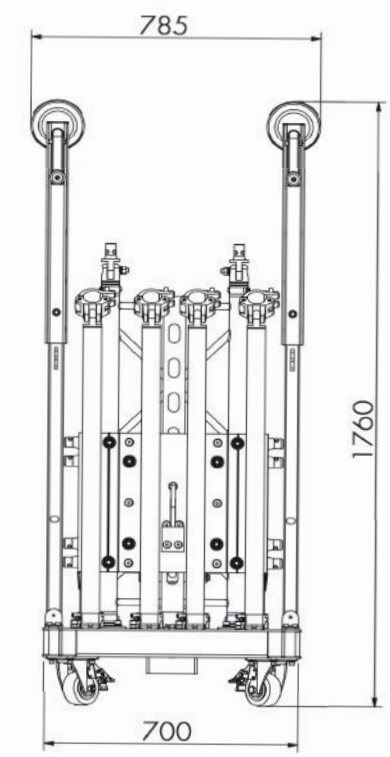
This accessory provides a raised vantage point to lift the vertical truss structure, reducing the motor's workload.

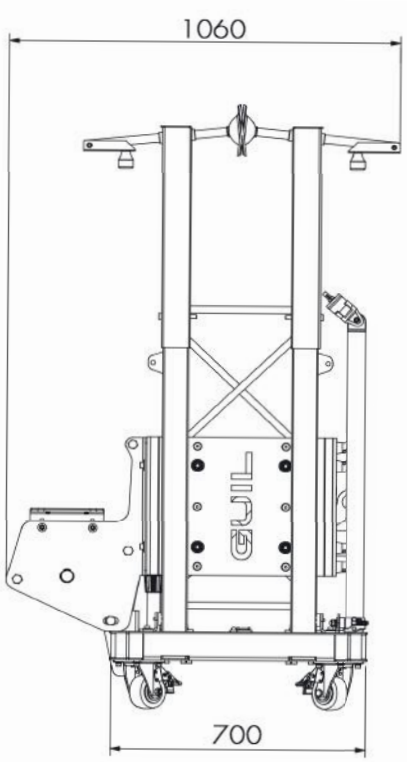
This point of support can be used to lift a tower and then be fitted to the next, allowing the towers to be assembled one after the other.

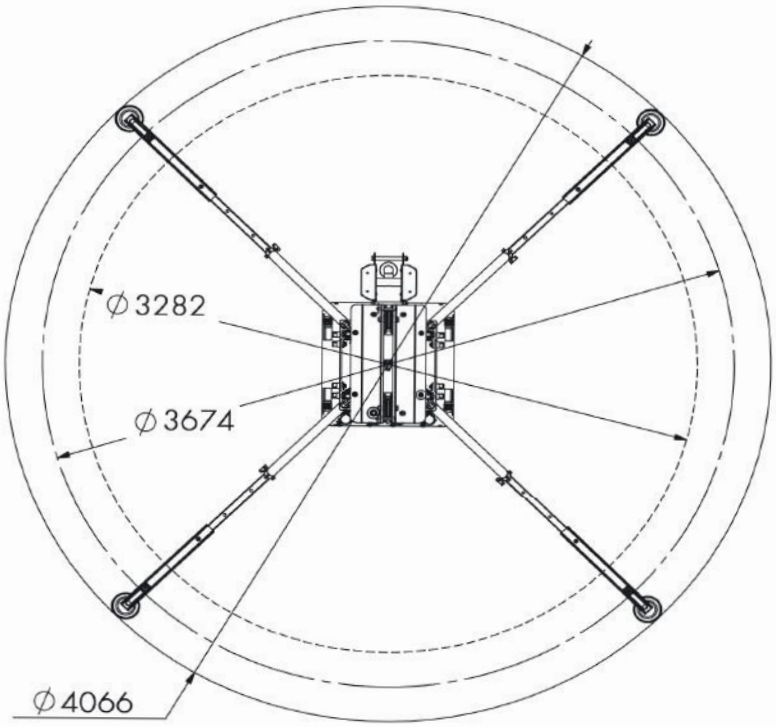
## MEASUREMENTS

**TMD-900/8**
**TMD-900N/8** (Black)



**FOR USERS OF THE TMD-600/7, TMD-600N/7, TMD-600/8, TMD-600N/8, TMD-900/8 AND TMD-900N/8, GUIL OFFERS A SUPPORT ARM FOR ASSEMBLY (REF. BC-TMD/6).**

wwFor use with the TMD-600 and TMD-900 GUIL offer an assembly support arm (Ref: BC-TMD/6), which is attached to the base truss with couplers and provides a higher vantage point for the process of raising the mast to vertical.

With the cable passing over this support arm, the angle between the cable and the assembled tower is greater, which makes lifting the tower less effort for the winch. The support arm can be used to raise one tower and then moved to the next, while the towers are assembled one by one.