

# GIRDER FRAME TRAILERS

**MAMMOET**



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**SMARTER, SAFER, STRONGER**







# GIRDER FRAME TRAILERS

The practical solution for carrying heavy or abnormal loads along roads, allowing the lowest possible profile and ground pressure.







# FROM FACTORY TO SITE

**As loads become heavier, wider and taller,  
they become increasingly challenging to  
transport along public roads.**





Their increased size increases the difficulty of passing under low bridges, power lines, or over weak structures. They become less maneuverable, resulting in an increased need for infrastructure to be temporarily removed so they can be transported.

Their greater weight means more care must be taken to ensure that roads are capable of bearing the pressure placed upon them, and some routes may be entirely closed off. Due to all of the above, transportations can take longer to plan, affecting project scheduling.

Our extensive girder frame fleet and dedicated project teams open up new possibilities during transportation projects, bringing forward schedules and helping each load to be delivered safely, on time, and with minimal disruption.





# SHORTENING ROUTES AND SCHEDULES

**Mammoet owns the most extensive girder frame trailer fleet in the world. They are designed to complete even the most challenging transportations.**





Girder frame trailers easily overcome height and weight restrictions on route, such as low or weak bridges, weight-sensitive surfaces, and overhead cables. Holding loads lower to the ground during transportation allows them to pass under lower bridges and spread weight for more even weight distribution on structures. Subsequently more - and potentially shorter - routes are available.

With trailer capacities up to 600t, we can find the optimum frame for the job. This means we can avoid any unnecessary, and often costly, removal of street furniture as well as any potential site impact or disruption.

Furthermore, as the girder frames are designed with narrow necks, they provide optimal maneuverability when driving around corners. As a result, less street furniture needs to be removed compared to using a frame with wide necks.

Our girder frame trailers have been designed in accordance with DNV GL and the most stringent safety regulations. To gain third party approvals, every stage was checked, witnessed, and approved by globally recognized independent surveyors. Using these strict criteria ensures the very highest standards of design and fabrication.





### **FLEXIBILITY**

There are over 40 trailer configurations available, offering the optimum solution to carry different loads of varying weights at different heights. The design of the girder frame trailer and use of cross beams and transport beams means that it is flexible enough to carry a transformer or module of any size.

### **STABILITY**

We own a selection of trailers beyond the standard 3m width: as wide as 3.6m or even 4.8m. These achieve a much higher geometric and hydraulic stability.

### **KEYS BENEFITS**

When approached with a transportation challenge, we work closely with our customers to identify the best solution. With a variety of frames, each with a different configuration, we have a setup to match every project.





### **ADAPTABILITY**

A wide variety of spreaders and trailers is available, providing a more adaptable solution that can be tailored to many different routes.

### **HIGH STRENGTH**

The girder frame trailer is designed to cater for different weights, with an ascending capacity range up to 600t. The frames are built from high strength steel to reduce their self-weight.

### **SAFETY**

We have added remote-controlled towers, fitted walkways, and ladders for safe accessibility, as

well as crow's nests for increased visibility when passing under structures. Floodlights provide additional visibility during night moves and purpose-built steering cabs with CCTV systems are also incorporated into the design.





# READY TO ROLL: ANYTIME, ANYWHERE

**Mammoet has a whole fleet of fit-for-purpose girder frames and axles. Mammoet operates the industry's biggest fleet of girder frame trailers, that can be deployed worldwide.**





**We have a wide and varied fleet to find the right solution for the job.**

The fleet includes standard 3m wide trailers, with 3-file and 4-file options; specialist widening units that can be widened out under load to provide greater weight distribution and low dead weight; units with longer axle spacings that can be configured in widths up to 4.8m; as well as SPMT, PST, and ADDrive units. These are all designed in compliance with local highway constraints to fulfill different functions, carry varying weights, and offer maximum levels of maneuverability.

From our smallest and lightest frame, the AL24, to one of our biggest girder frames, the AL600, we have a wide and varied fleet to find the right solution for the job. In fact, we have more equipment and greater options than any other heavy transportation company.

Our in-house engineers and project management teams, combined with our experienced drivers and trailer operators, work together and adapt our fleet to ensure we have the optimum transport solution for any load or route. Our engineers work with you to consider the negotiability, gross weight, axle weights, and, above all, the contact footprint.

For the full solution, the girder frames can be integrated with different Mammoet equipment, such as the Trojan truck, which puts less strain on the overall structure, with fewer tractor units, so costs can be reduced. Customers can take advantage of our vast fleet of different types of axles and configuration combinations, which can be integrated with beams to suit the size and shape of the load.



## MAMMOET HAS OVER 140 OFFICES AND BRANCHES WORLDWIDE.

Below are the Mammoet regional head offices on each continent. To contact an office near you, please visit [www.mammoet.com/contact](http://www.mammoet.com/contact) and select 'Find an office'.



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