

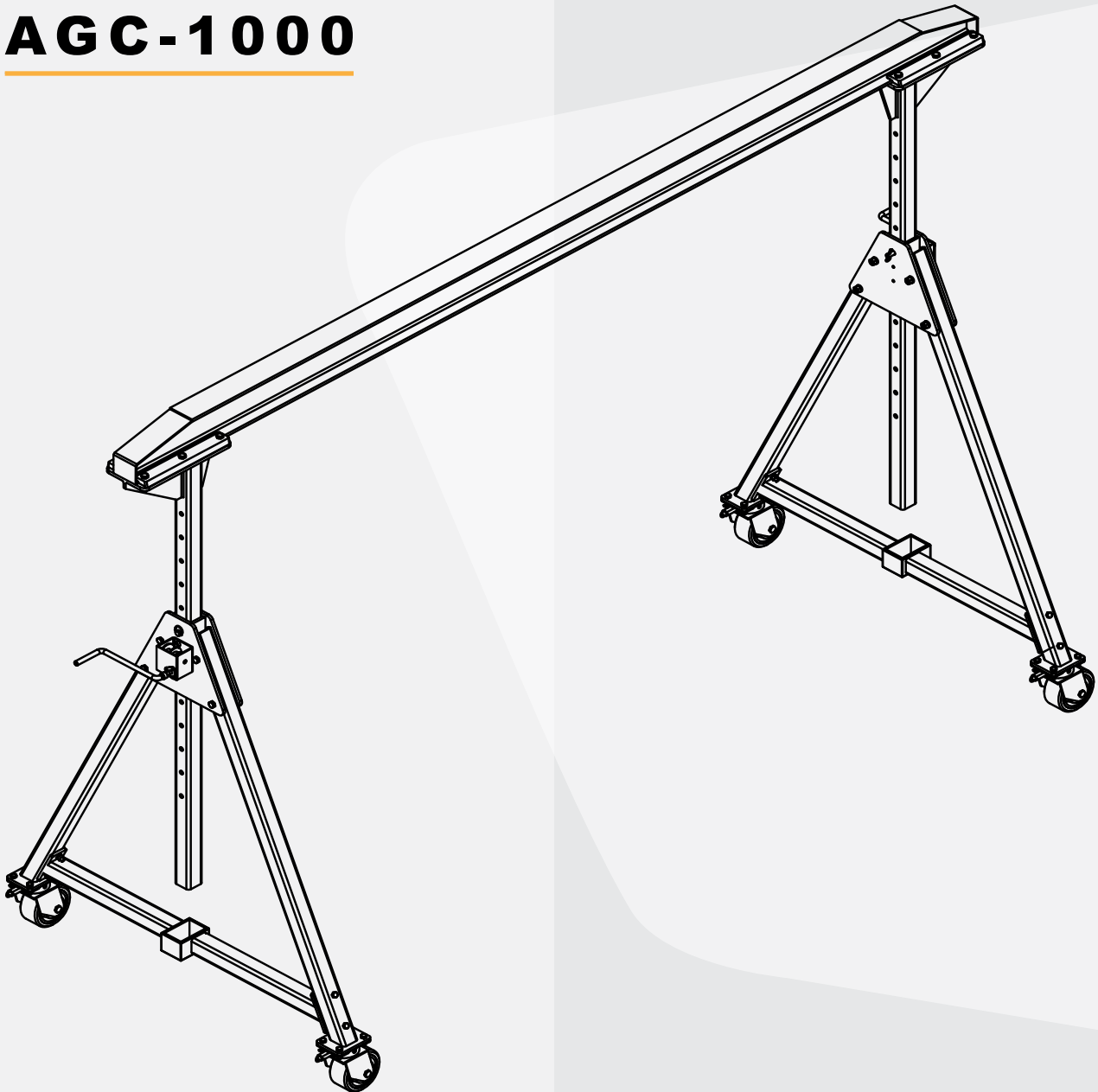


OWNER'S MANUAL

AARDWOLF

PORTABLE GANTRY CRANE

AGC-1000



Made of aluminum, the Aardwolf Portable Gantry Crane is lightweight, portable, and stable under load. No permanent installation is required. This device provides an economical lifting solution to lift materials inside the Portable Gantry Crane. This equipment is ideal for use on construction sites and factories. The Portable Gantry Crane can be adjusted in height, allowing users to use it for various purposes, such as transporting, lifting, lowering slab materials in different heavy-duty conditions. The user can attain the height adjustment of the crane by using hand-wind handles supplied with the crane or using a battery-powered drill.

March, 2022

GENERAL SAFETY OPERATIONS

The user's manual for the Portable Gantry Crane (AGC-1000) must always be available at the operation site. The instructions mentioned in this manual must strictly adhere. Furthermore, supplementary to the instruction manual must enforce the statutory regulations governing general accident prevention and environmental protection.

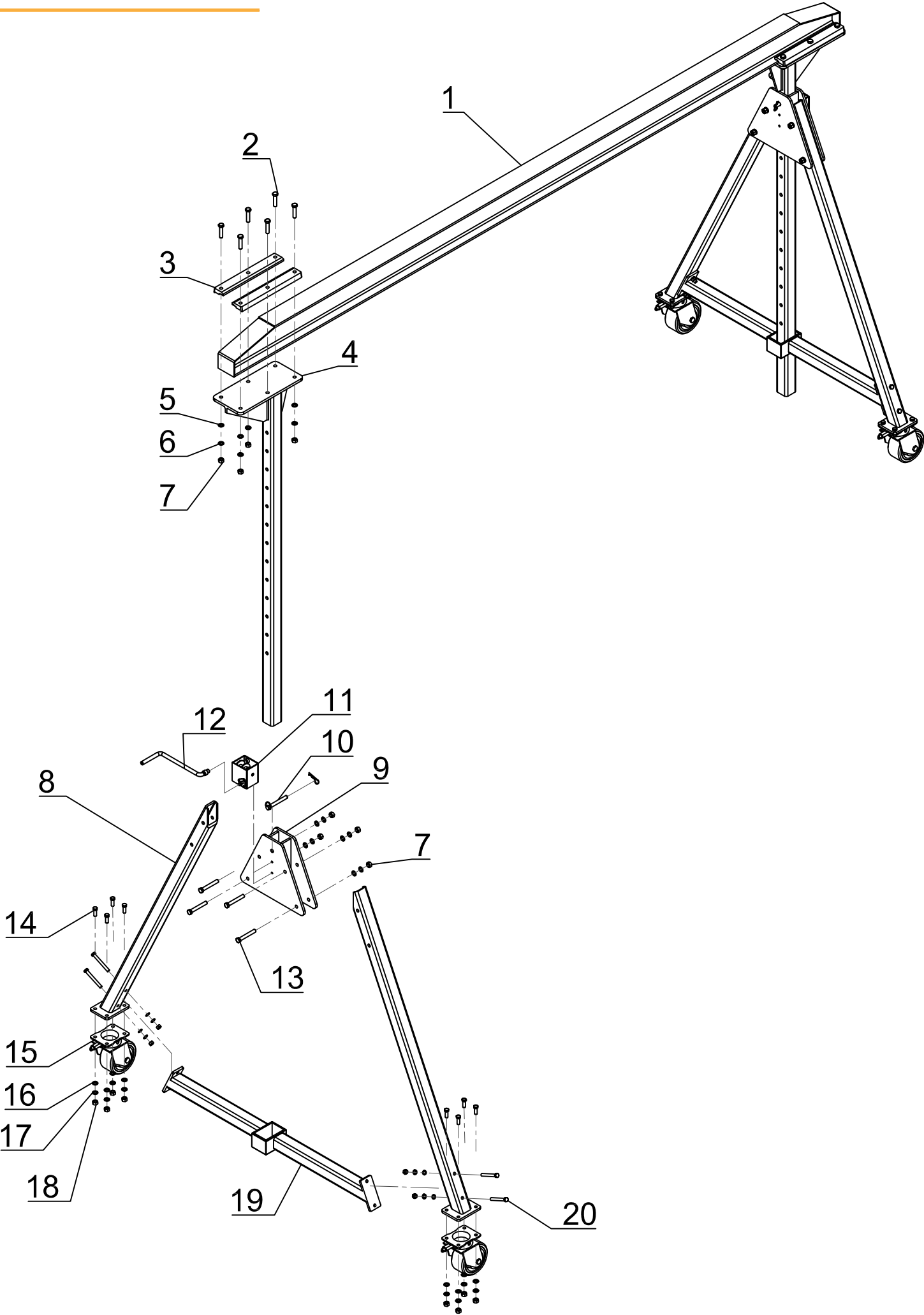
Before starting, the operating and maintenance personnel must have read and understood the operator's manual, particularly the safety instructions, before starting work. Protective equipment must be made available for operating and maintenance personnel and worn at all times. The user or his representative is responsible for supervising operating personnel and ensuring they know the hazards and safety implications of working with the Portable Gantry Crane.

The user must only operate equipment on a level, clean, and in a location that will allow the user to stay in a safe position, not under or near the load on the equipment. The user operates from a place that will not be hazardous to the operator or present dangerous conditions. from a place that will not be hazardous to the operator or present complex conditions.

The Portable Gantry Crane from Aardwolf has innovational designs to reduce risks, which might occur during the lifting process. Operators must adhere to the safety guidances listed below:

- Carefully read this user manual before using the Portable Gantry Crane.
- Do not carry out any working operations if any issues are found.
- Apply the load evenly. Do not jerk or bounce a load or allow a load to swing. Avoid violent motions, shock loads, or any other loading for which the equipment is not rated.
- Make sure that all the bolts are securely tightened.
- Select only the proper size, type, and weight of materials to lift.
- Check the aluminum I beam, lock washers, nuts, leg weldments, leg holders, winch assembly, swivel wheels, tendon bars are in faultless conditions. If they have any damages or are defective, replace them with the original parts from Aardwolf.
- Perform a test for the Portable Gantry Crane before working with the material.
- Wear safety equipment, like a helmet, gloves, and safety boots.
- Move slowly to avoid shock loading.
- Do not use the crane to lift loads that exceed the loading capacity of 1000 kg (2204 lb).
- Do not carry out any lifting operations if any issue is found.
- Do not use the Portable Gantry Crane for other purposes that it is not designed.
- Do not make modifications to the Portable Gantry Crane.
- Never operate the crane if it is damaged, malfunctioning, or has missing parts.
- Never leave a lifted load unsupervised.
- Never lift and move a load over people.
- Never use the crane in dangerous environments.
- To avoid injury, no one can stand under the load.
- Follow the general safety operations in this operation manual.
- Store in a well-ventilated place, avoid places with high heat or humidity.

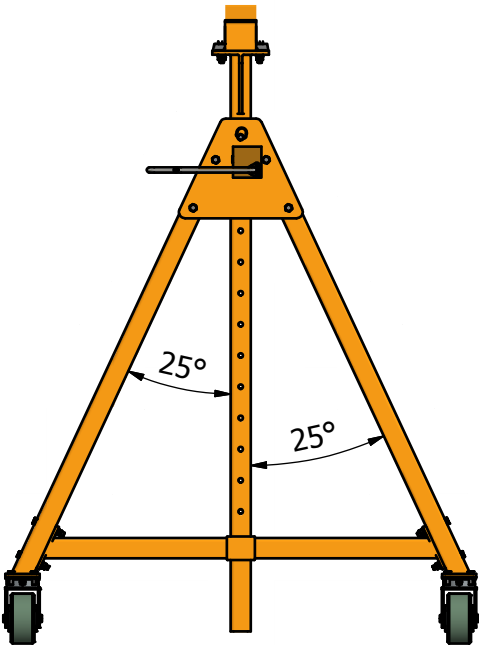
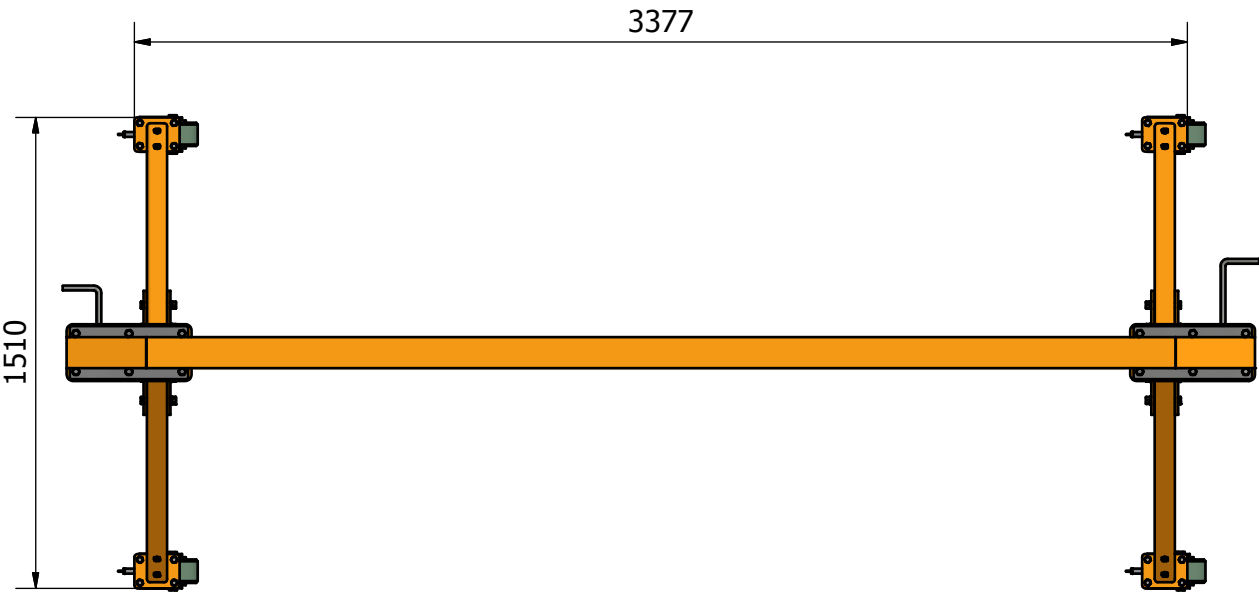
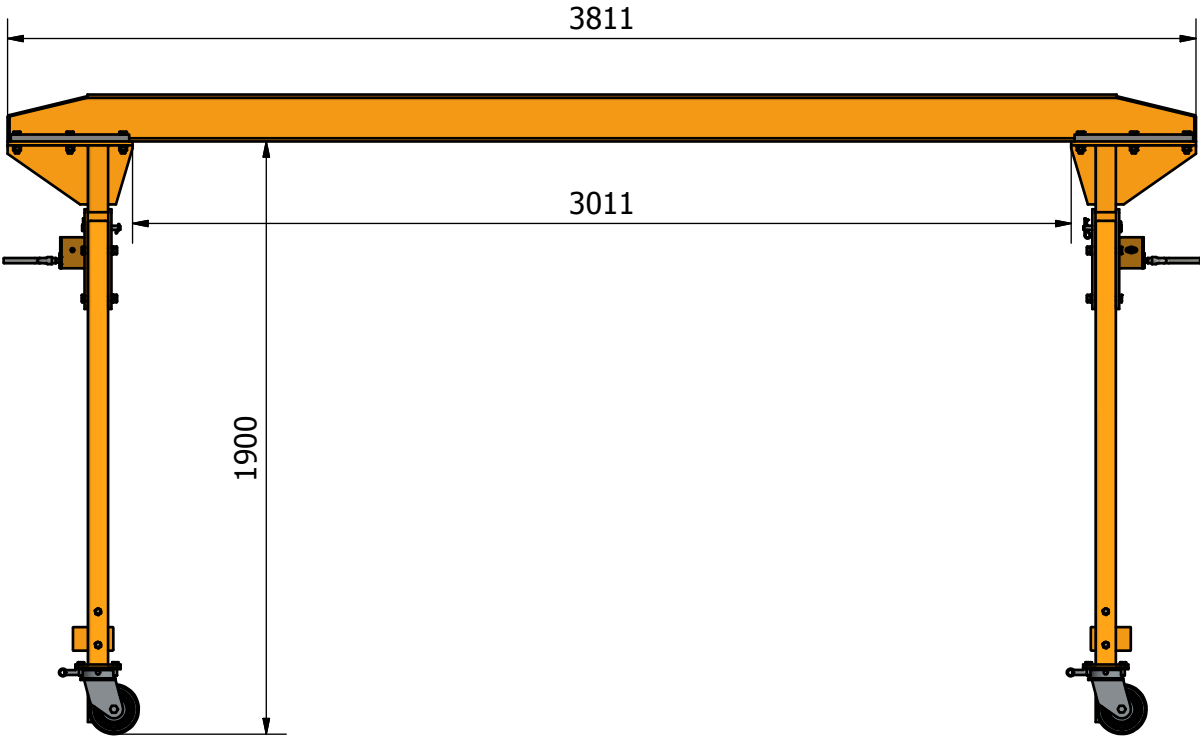
DRAWING LIST



PARTS LIST

No.	Code	Part Number	Q'ty
01	AGC1000-01	Aluminium I Beam	01
02	AGC1000-02	Bolt M14 x 60	12
03	AGC1000-03	Lock Washer	04
04	AGC1000-04	Telescoping Beam 65 x 65 x 7	02
05	AGC1000-05	Washer M14	20
06	AGC1000-06	Spring Washer M14	20
07	AGC1000-07	Nut M14	22
08	AGC1000-08	Leg Weldment	04
09	AGC1000-09	Leg Holder	02
10	AGC1000-10	Long Pin M14	02
11	AGC1000-11	Winch Assembly	02
12	AGC1000-12	Wrench Handle	02
13	AGC1000-13	Bolt M14x110	08
14	AGC1000-14	Bolt M12x35	16
15	AGC1000-15	Swivel Wheel Ø200	04
16	AGC1000-16	Washer M12	24
17	AGC1000-17	Spring Washer M12	24
18	AGC1000-18	Nut M12	20
19	AGC1000-19	Tendon Bar	02
20	AGC1000-20	Bolt M12x90	04

DIMENSIONS



FEATURES

- **Portable:**
The Portable Gantry Crane can reach all corners of the plant. Attach to lifting equipment, and the crane is easy to lift heavy loads.
 - **Adjustable:** The height of the Gantry Crane is adjustable up to 3.1m. This gives operators flexibility in operation.
 - **Versatile:** Thanks to its ability to be easily and quickly assembled and disassembled, the Gantry Crane is easily transported or relocated, making it ideal for workflow changes.
- Note:** The price does not include an electric chain hoist with a manual hoist trolley.

SPECIFICATIONS

AGC-1000	Metric	Imperial
Maximum span	3100 mm	122 in
Working load limit	1000 kg	2204 lb
Net weight	154 kg	339 lb
Packaging dimensions	3915 x 580 x 620 mm	154 x 22.8 x 24.4 in

INSTRUCTIONS FOR USE

- The Portable Gantry Crane provides a portable overhead beam for lifting a load when a fixed shaft is unavailable.
 - Assemble the Portable Crane and adjust the height so that it is suitable for the material.
- NOTE:** The user adjusts the height of the Portable Gantry Crane when there is no load (material).
- The user installs the electric chain hoist to the Portable Gantry Crane for working.
 - Lock the wheels and attach the hook to the fabric to move it.
- NOTE:** Users can use the vacuum lifters from Aardwolf to move safely and quickly material.
- The load should be moved from one point to another by moving the electric chain hoist back and forth along the gantry I-beam while the portable gantry crane is stationary.
 - Turn the electric chain hoist on for already working.

INSTRUCTIONS FOR USE

- Use extreme caution when horizontally moving a load by moving the entire gantry crane. This method is **NOT RECOMMENDED**.
- The hoist moves the load straight up and down and suspends the material. Do not operate the electric chain hoist to move in any direction other than straight up and down. Any hoist will produce a mechanical force great enough to tip over the gantry crane if not correctly or carefully operated.
- When lowering the load into its desired position, must position the gantry I-beam, wheels, hoist, and load directly above the intended resting spot for the pack. The user must move the load only directly down to its desired location. Never force the load off to the side or end of the gantry crane when it is being lowered.
- When moving the load along the overhead beam, ensure the caster wheels are locked and that all movements are made slowly and with care. Do not allow the load or hoist to make forceful or violent contact with either end of the gantry or with other obstructions.
- When moving the load with the hoist, ensure the hoist track is free of any obstruction. Be sure the only force applied to move the hoist is in the direction of the length of the hoist track.
- Do not apply side force during the move. The load attachment must suit the material being lifted. It should securely retain the load in the desired position for the lifting operation. The user must inspect all load attachments regularly for possible deterioration. Load attachments must always be used in the fashion prescribed by their manufacturer and kept in excellent repair.
- When finishing the moving material, the user turns the power off the electric chain hoist.

INSPECTIONS, MAINTENANCE AND REPAIR

- There are two types of inspections - in-service and periodic.

IN-SERVICE:

Visual inspection before each use. This implies that the user has a good look over the Portable Gantry Crane to ensure no significant damage or wear and that the working load limit tag or markings are fitted and limit legible. If any defects are noted, the Portable Gantry Crane should be withdrawn from service and inspected by a competent person who can decide whether to use, repair, or discard the Portable Gantry Crane.

PERIODIC:

The Portable Gantry Crane should be checked and tested every 12 months by a competent person who has been trained and who can decide whether to use, repair, or discard the Portable Gantry Crane. These inspections also need to be adequately documented and are mandatory in many countries. Always use original spare parts when carrying out repairs or maintenance.

CE - DECLARATION OF CONFORMITY

We declare that the product is in conformity with the following standard: The Machinery Directive 2006/42/EC.

Note: It is the responsibility of the user to adapt to state or local laws. The end-user is responsible for using the equipment safely in a manner that it is designed for and within the unit's rated capacity.

WARRANTY

At the time of delivery, it is necessary to check that the Portable Gantry Crane has not been damaged during shipment. Any claims must be presented within eight days from the date of delivery. We grant one year warranty on the Portable Gantry Crane from the date of purchase.

Warranty coverage is not applicable:

- The user failed to comply with the instructions in the manual.
- Damages are due to inadequate maintenance and inspections.
- Damages are due to improper storage and/or usage.
- User performs the repairs without our permission.
- User uses the non-original spare parts.



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AND **AWESOME IDEAS** FOR YOUR BUSINESS



AARDWOLF PRODUCT VIDEO
www.youtube.com/user/AardwolfGroup



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