

1088-BARRIER LIFTER



For safe and economic transportation and placement of road sections and other large concrete elements.

All-purpose and fully adjustable gripper with automatic switching of traction kinematics from clamping to non-clamping.

Jaws made of diamond-hard metal.

The gripper is constructed according to the technical work regulations of the trade association.

Item Code	SWL (Kg)	Opening Width (mm)	Internal Depth (mm)	Jaw Length (mm)	Weight (kg)
1088.1	6600	150-310	160	750	150

Other sizes may be available from stock at our European HQ or by bespoke fabrication, contact our team today for more details.

NOTES

The Barrier lifter FE 1088 is designed to lift and transport large concrete elements and road sections. All-purpose and fully adjustable gripper with automatic operations. The jaws are made of diamond-hard-metal. The gripper is constructed according to the technical work regulations of the trade association.

Do not exceed the load capacity. The barrier lifter may only be used to transport slightly conical loads, and only close to the ground. Any other use is prohibited! Operators must comply with all applicable safety and accident prevention regulations. The provisions of German UVV safety standard VBG 9a must be followed.

To prevent accident-related risks, do not:

- Exceed the load capacity.
- Transport steeply conical loads (Load may slip!)
- Allow persons anywhere beneath the load or within the danger zone.
- Transport loads with dimensions which do not correspond with the technical data of the barrier lift.
- Transport persons: Danger to life!
- Transport animals: Danger to life!
- Subject the grab to inclined stress or inclined lift loads.
- Pull off, pull, or drag loads.
- Jerk, jolt, or swing the load.
- Load unevenly

1. GENERAL SAFETY RULES

- Only persons familiar with the device may operate it.
- Every operator must read and understand the operating and safety instructions before using the device for the first time.
- The barrier lifter may only be used close to the ground.
- The barrier lifter may only be transported by the handles.
- Always be safety-conscious and situationally aware.
- Never exceed the specified load capacity.
- The operating instructions must always be kept on hand at the place of use.
- A disorganized working area increases the risk of accidents.
- Where any defects affect safety, stop using the device. Do not use it again until the defect has been rectified.
- Do not remove the rating plate. Replace illegible or damaged plates.
- The working area must be sufficiently lit.
- Unauthorized persons must not be able to access the working area.
- Personal protective equipment, such as protective clothing, helmets, gloves and shoes must meet safety requirements.

2. DUTIES OF THE HOIST OPERATOR

- The hoist and load bearing mechanism must always be in an operationally safe condition.
- Do not exceed the maximum load capacity of the hoist/load bearing mechanism.
- The operator is responsible for checking that the load is securely held and that no one is standing in the danger zone of the load.
- The operator must have the area of operation in full view. A guide must provide assistance if this is not the case.
- Only authorized persons are permitted to operate the hoist.

VISUAL INSPECTION AND FUNCTION TEST

- Check that the hoist, load bearing mechanism and barrier lifter properly and are in proper condition every time before use. Should any defect affect safety, the device must be taken out of operation until the defect has been rectified.
- Perform maintenance, repair and greasing of the clamp only when the it is not in use.
- Replace worn or torn jaws.
- Do not use the device if there are any cracks, deformations or other types of damage.

Installation and Use

The barrier lift are attached via shackle on the hoist.

Adjustment of the clamp range:

Before lifting a load, adjust the clamp range of the barrier lifter to fit the load with carriage bolt.

1. Position the barrier lifter above the load and lower it until the automatic open-close device unlocks.
2. Slowly lift the clamp until the jaws grab the load.

Operation

1. Attach the barrier lifter to the hoist.
2. Before each use, clean the jaws and make sure they are not worn.
3. Position the barrier lifter above the load. Make sure the rubber lining is well positioned, the clamp is unloaded and the automatic open-close device can unlock.
4. Lift the barrier lifter with the hoist until the clamp closes.
5. Make sure the jaws have a good grip on the load and the load is balanced. Transport the load to its destination, but only near the ground.
6. The barrier lifter unlocks when the load is set down, as soon as it is unloaded. The unloaded clamp may now be lifted again.

MAINTENANCE

Perform maintenance only when the clamp is not in use

Before each use:

- Check the stop nut of the spindle adjustment and tighten if necessary.

Weekly:

- Check the screws and bolts and tighten if necessary.
- Check whether the jaws are worn; clean them and replace them if necessary.
- Oil the automatic open-close device, do not grease it.

Monthly:

- Grease all bolts, joints and guides.

At least once a year:

- Check all hanging parts, bolts and plates.
- Check the clamp for cracks, rust, worn parts and make sure it functions safely

A specialist must check the clamp before it is put to use and perform maintenance regularly. Careful maintenance will increase the barrier lifter's life span as well as safety on the construction site.

TROUBLESHOOTING

In the event of equipment failure, check this table first:

Fault	Clearance
The barrier lifter does not open and close automatically	Clean or replace the automatic open-close device
The load slips	Make sure the jaws are not worn out Make sure the load is not too heavy Make sure the clamp range is well adjusted
The load hangs at an angle	Ensure the load is balanced

Please contact us if this table does not help you solve your problem.

REPAIRS

- Repairs may only be carried out by a suitably qualified person or the manufacturer.
- Only genuine spare parts may be used and no modifications or conversions of any kind are permitted, otherwise the warranty will be deemed to be void.
- Before recommissioning, a special inspection by a suitably qualified person is required.

INSPECTION OBLIGATIONS

The owner must ensure that the device is inspected by a suitably qualified person at regular intervals not exceeding one year in frequency and that all defects found in the inspection are remedied immediately.

Type	
Serial No	
Year Manufactured	
First Used	

Date	Findings of inspection	Name of qualified person	Signature of qualified person