



Safe Use Instructions

Block Grab

Suggested Safe Use Instructions for Block Grab

The method of equipment safe use described is only a suggestion, the ultimate safety and responsibility of using the Block Grab is with the company/responsible person using it.

Technical Data

Opening Width	Depth	Gripper Length	SWL	Dead Weight
390 – 1145mm	225mm	1200mm	1800kg	182kg

General

Authorized Use

- (1) The device is only designed for the use specified in this documentation.
- (2) All relevant safety regulations, especially regulations of the declaration of conformity, and additional local health and safety regulations have to be observed.
- (3) The grab is specially designed for the gripping and transportation of vertically steel strapped packs of paver blocks, kerb stones, slabs and wall blocks.
- (4) Transport of non rectangular gripping goods is not allowed, because they could slip from the grab, and fall down.
- (5) Every other use is unauthorized and therefore forbidden.

General

- (1) The use of the device is only permitted in proximity to the ground. Do not swing it over peoples heads.
- (2) While using the device be sure that there are no persons in the working area.
DANGER TO LIFE
- (3) The operator is not allowed to leave the control unit as long as the device is loaded with the load. The load must always be in the range of vision of the operator.
- (4) Do not jerk the grab when carrying load.
- (5) Do not lift any components off-centre they could fall down.
- (6) The device should not be opened if the opening path of the gripping arm is blocked by a resistance (e.g. other concrete blocks or the like) !
- (7) The capacity and the nominal width the device has, are not allowed to cross over.
- (8) Avoid quick or jerky movements with the device. E.G caused through driving fast over uneven ground/site is forbidden. Because the load will fall out.

Personnel Requirements

- (1) Only authorized and trained personnel are allowed to operate the Block Grab.
- (2) Each operator must have read and understood the operating instructions.
- (3) The manual guiding is only allowed for machines with handles. For jaws and grippers manual guiding is strictly forbidden.

Protective Equipment

The minimum protective equipment to be worn when operating the block grab is as follows:

- Protective Eyewear
- Gloves
- Boots
- Protective Clothing
- Dust Mask

Accident Prevention

- (1) The operating range has to be covered for unauthorized persons, especially children.
- (2) A careless workplace increases the danger of accidents.
- (3) The workplace has to be sufficiently illuminated!
- (4) Be careful when working with the block grab as atmospheric conditions under 37.5° F is forbidden! Reason-The goods could fall down caused by dampness or freezing.
- (5) Take care when handling wet, dirty and not solidified components.
- (6) Pay very close attention to the dangers posed by quickly changing weather conditions.

Operating and Visual Inspection

- (1) Before using the device check the functions and the working condition.
- (2) The block grab and the lifting equipment/forklift have to be checked each time before they are used.

- (3) Maintenance and lubrication are only permitted when work has ceased, and you are in a safe area.
- (4) Do not use the grab/machine, until all faults which can cause safety hazards are removed.
- (5) Unrecognisable data plates have to be replaced.
- (6) Worn and broken grippers have to be replaced.
- (7) The operating instructions must be available and observed in the workplace at all times.
- (8) Do not remove the data plate of the machine.
- (9) If there are splits or damage at carrying parts of the machine, immediately stop using it.

Service Requirements

- (1) It is the contractors responsibility to ensure that the block grab is checked by an approved test and repair centre in periods of 6 months – (Puwer and Loler).
- (2) Any noted defects have to be rectified immediately.
- (3) All regulations of section IV VBG 9a have to be observed.

Primary Lifting Equipment/Forklift

- (1) The lifting equipment/forklift have to be in good, safe working condition, free of any defects.
- (2) Take care that the max. lifting capacity of the lifting equipment/forklift is not exceeded.
- (3) Only authorized and qualified personnel are allowed to operate the lifting equipment being used.
- (4) Any other item of lifting equipment being used in conjunction with the block grab must have current test certificates.

Description and Operation

Mechanical Construction

Adjustment

- (1) The block grab is wholly mechanical and can be attached to any lifting equipment by means of the eyelet. The lifting equipment must accord with the stated weight bearing capacity of the chain grab.
- (2) The block grab works by means of pressure from outside inwards. It is important to make sure that the goods are defect-free and able to withstand the pressure. Any stress fractures in the concrete could lead to a total split of the part.
- (3) The block grab can be used to lift different sizes of products by altering the opening width.
- (4) Before the product can be lifted and transported, the opening width has to be adjusted to the dimensions of the product.

- (1) The block grab is connected to the lifting equipment correctly and safely.
- (2) Ensure the block grab is set correctly to grip the blocks, pack size.
- (3) The block grab is placed over the product, set down, the block grab closes round the product and it can be lifted.
- (4) Set down on the ground again, the block grab opens automatically, the automatic release locks it into position so that the grab can be lifted without closing up.
- (5) Placed over the next product, the automatic release disengages itself and the product can be lifted. The block grab therefore is a **ONE-MAN-MACHINE**.

Unauthorized Transportations

The following unauthorized transportations with the device are not allowed:

- Transportation of people and animals.
- Transportation of other loads and material than described in this manual.
- Transportation of non rectangular goods, because they could fall down.
- Transportation of material with “feet”, “bellies” and “blind spacers”.

Unauthorized Alterations

Unauthorized alterations of the block grab or the use of any self-made additional equipment could cause danger and is therefore forbidden.