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Safe Use Instructions
SEL Kerb Lifter

Suggested Safe Use Instructions for SEL Kerb Lifter

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

Technical Data

Opening Width	Depth	Gripper Length	SWL	Dead Weight
0 – 600mm	195mm	420mm	400kg	55kg

General

Authorized Use

(1) The Kerb Lifter is for use with prefabricated concrete products and must only be used for the purpose, described in this manual and in accordance to all relevant safety regulations , especially section iV of VBG 9a regulations have to be observed.
(2) Any additional local health and safety regulations have to be observed also.
(3) The grab for prefabricated concrete products must only be used in close proximity to the ground.
(4) The Kerb Lifter is suitable for lifting and transfer of prefabricated concrete products in road construction, civil engineering and landscaping project, natural stone components or prefabricated products bus and railway, which do not exceed the opening width and the weight-bearing capacity of the grab.
(5) Only rectangular goods can be lifted with the Kerb Lifter, as conical goods could slip from the grab.
(6) Any other use of the kerb grab is unauthorized and therefore forbidden.

Safety

Personnel Requirements

(1) Only authorized and trained personnel are allowed to operate the kerb lifter.
(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 kerb lifter 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) Take care when handling wet, dirty and not solidified components.
(5) Pay very close attention to the dangers posed by quickly changing weather conditions.

Operating and Visual Inspection

(1) The kerb lifter and the lifting equipment/forklift have to be checked each time before they are used.
(2) Maintenance and lubrication are only permitted when work has ceased, and you are in a safe area.
(3) Do not use the machine, until all faults which can cause safety hazards are removed.
(4) Unrecognisable data plates have to be replaced.
(5) Worn and broken grippers have to be replaced.
(6) The operating instructions must be available and observed in the workplace at all times.
(7) Do not remove the data plate of the machine.
(8) If there are splits at carrying parts of the machine, immediately stop using it.

Service Requirements

(1) It is the contractors responsibility to ensure that the kerb lifter 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 must have current test certificates.

Description and Operation

Mechanical Construction

(1) The Kerb Lifter 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.

Adjustment

(1) The kerb lifter 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 kerb lifter 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 factures in the concrete could lead to a total split of the part.
(3) The kerb lifter can be used to lift different sizes of products by altering the length of the restrictor chain at the top of the kerb grab. Ensure the grab is set correctly before you commence any lifting operation.
(4) Before the product can be lifted and transported, the opening width has to be adjusted to the dimensions of the product.

Operation

(1) The kerb lifter is connected to the lifting equipment correctly and safely.
(2) Before lifting the opening width has to be adjusted.
(3) The opening-width is adjusted as follows:
    - Close the grab down, and lift the restrictor chain off the hook, which is located on the middle bar.
    - Loosen or tighten the restrictor chain as per the size of kerb you are lifting.
    - Firmly secure the chain back on the hook.
(4) The kerb lifter is placed over the product, set down, the kerb lifter closes around the product and it can be lifted.
(5) Set down on the ground again, the kerb lifter opens automatically, the automatic release locks it into position so that the kerb lifter can be lifted without closing up.
(6) Placed over the next product, the automatic release disengages itself and the product can be lifted. The kerb lifter therefore is a **ONE-MAN-MACHINE.**

Unauthorized Alterations

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