

Safety information

Failure to comply with the basic safety norms of precautions may lead to accidents during operation, maintenance or repair of the equipment.

It is often possible to avoid accidents by recognizing potentially dangerous situations before they occur. The operator must be aware of potential dangers and possess the training, competence and the equipment necessary to correctly carry out his work.

Improper use of the equipment during operation or maintenance may be damaging and cause serious accidents.

Do not use the equipment or undertake maintenance until all the instructions have been read and understood.

The safety precautions and warnings are indicated in the manual and on the equipment by means of visual messages.

Failure to pay attention to these danger messages, may jeopardize the safety of the operator with serious consequences for the same and for other people.

The safety messages are displayed with the following symbols:



The IMPORTANT messages are displayed before procedures which, if not observed, may cause damage to the operator.

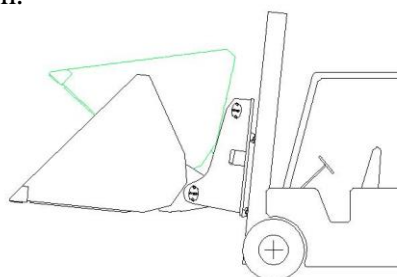


The WARNING messages are displayed before messages which, if not observed, may cause damage to the equipment.

CAM S.r.l. cannot envisage each possible circumstance that may result in danger. Therefore the warnings given in this publication and which appear on the equipment are not exhaustive.

In the event that equipment, procedures, work methods or working techniques are used that are not specifically advised by the **CAM S.r.l.** company it is necessary to make sure that there is no danger to the operator or other people.

The information, specifications and illustrations in this publication are based on the information available at the time of preparation.



As well as safety regulations described in this section please take note of all the information provided in the manual of the lift truck onto which the hydraulic scoop are to be mounted.



Safety cautions

CAM S.r.l. cannot under any circumstances be made responsible for accidents or damage resulting from the use of the equipment by inadequately trained personnel or if inappropriate use has been made of the same, as well as the, even partial, non-observance of the safety norms and the intervention procedures contained in the present manual and in that of the lift truck.

Before using the equipment carefully read the use and maintenance manual. Should certain parts not be clear consult the constructor.

NOT INTENDED FOR USE IN AREAS AT RISK OF EXPLOSION AND FIRE

Do not wear flapping garments or with belts, cuffs, large sleeves, do not wear scarves, shirts or anything else that may get caught up in the moving parts.

In the event of injury caused by oil escape under pressure, immediately seek medical assistance.

The equipment is complete with warning plate; disposal and non-respect of these plates may result in serious injury.

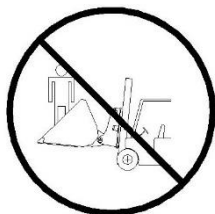
In the event of non-envisaged workmanship or intervention, or following a procedure different to that indicated in the manuals, consult **CAM S.r.l.** before proceeding in order to ascertain its feasibility.

Before beginning any maintenance or any other operations on the equipment, switch off the lift truck and remove the key from the board.

Use tools and equipment suited to the work to be undertaken.
Do not rest any tools or equipment on any part of the machine.

Do not use the hydraulic scoop for any other purposes than those that have been intended. Do not use the truck unless in perfect working order.

Do not use the hydraulicscoop to transport people.



Do not exceed the maximum capacity as indicated on the identification plate.

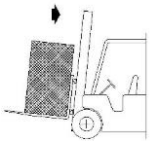
Do not undertake operations whilst the truck is moving.

Do not leave the truck unguarded without having firstly lowered the load to the ground, pulled the hand brake and switched off the motor.



Standing under the load is severely forbidden.

Never pass the arm through the upright. Remain inside the driver's cabin.



Approach ramps or climbs backwards. Driving downhill with the load in front reduces load stability.

Lift the load to be transported 200 mm from the ground and do not proceed without having traversed backward.

Transportation of non-permitted material is forbidden.

Safety plates and symbols

Self-adhesive stickers with safety symbols and/or messages are applied to the equipment. These pages explain their precise location and the nature of the danger.

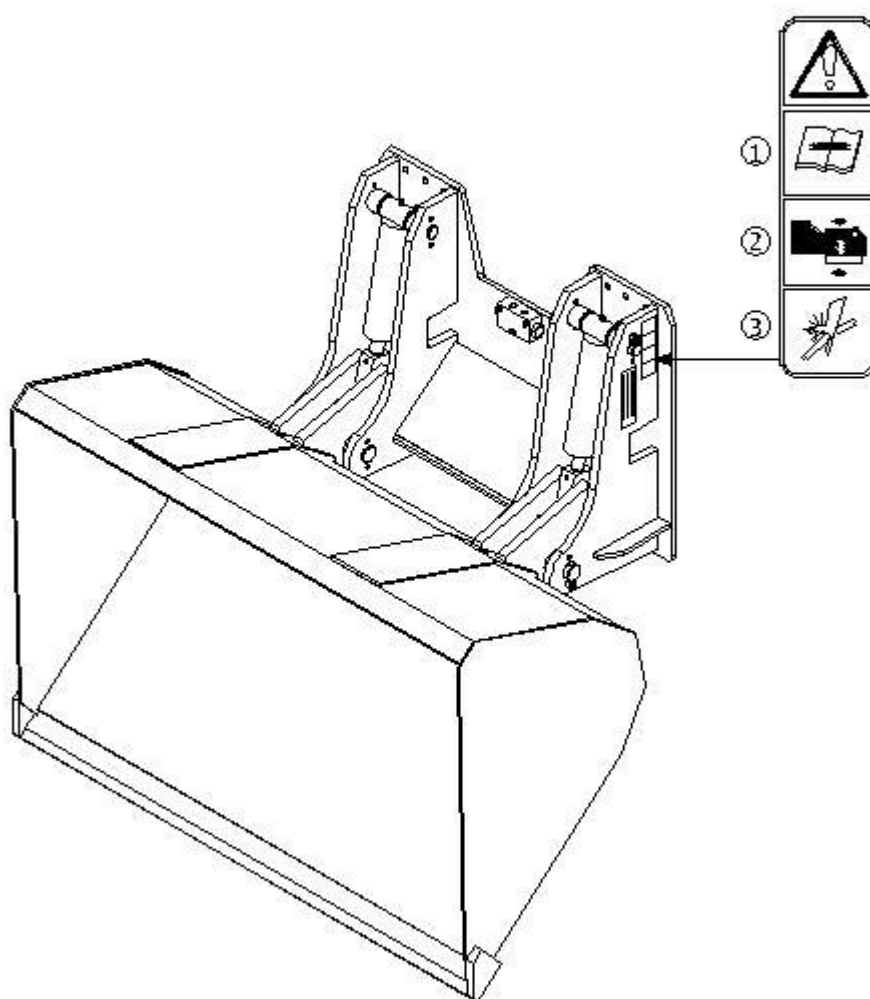


IMPORTANT!

Make sure that all the safety messages are legible. Clean using a cloth, soap and water. Do not use solvents, nafta or petrol.

Replace damaged stickers asking the constructor for new ones.

If the part to be replaced bears a sticker, ensure that a new sticker is applied to the new part.



1 - **Important:** carefully read the manual before using the equipment and undertaking the maintenance operations.

2 - **Important:** risk of limb crushing.

3 - **Important:** pressurized liquids.

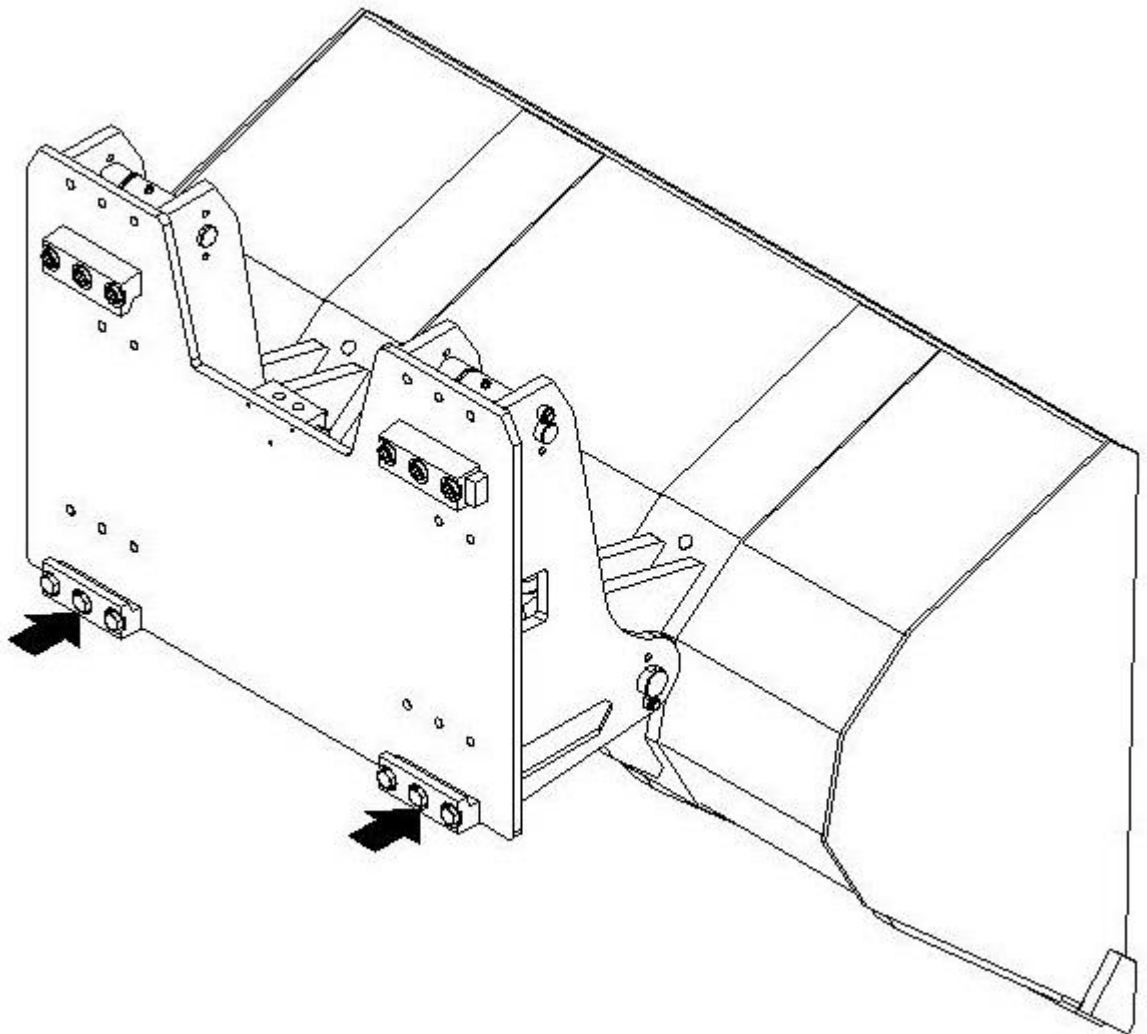
Installation

The equipment functions according to the technical parameters envisaged providing that it has been correctly mounted on the lift truck.

Before installing the equipment, a careful visual check must be made in order to make sure that no damage has occurred during the transportation and handling stage.

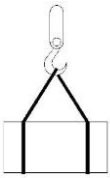
In the event that one or more components are found to be damaged it is necessary to notify it to CAM S.r.l. and agree on the measures to be taken.

- Remove both the two bottom hooks with their screws, bolts and washers.



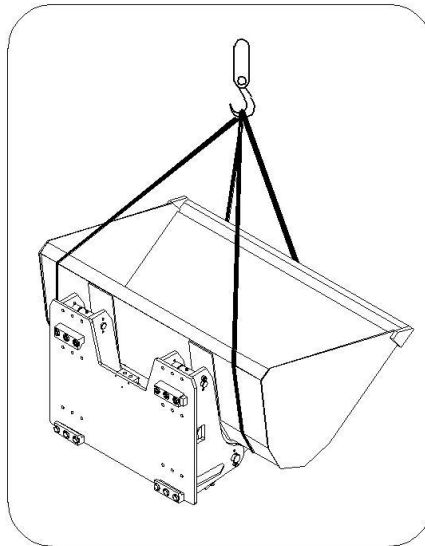
IMPORTANT!

Before lifting the equipment make sure that the lifting device (ropes, cables, hooks, etc) are adequate for the weight of the equipment (see identification label).

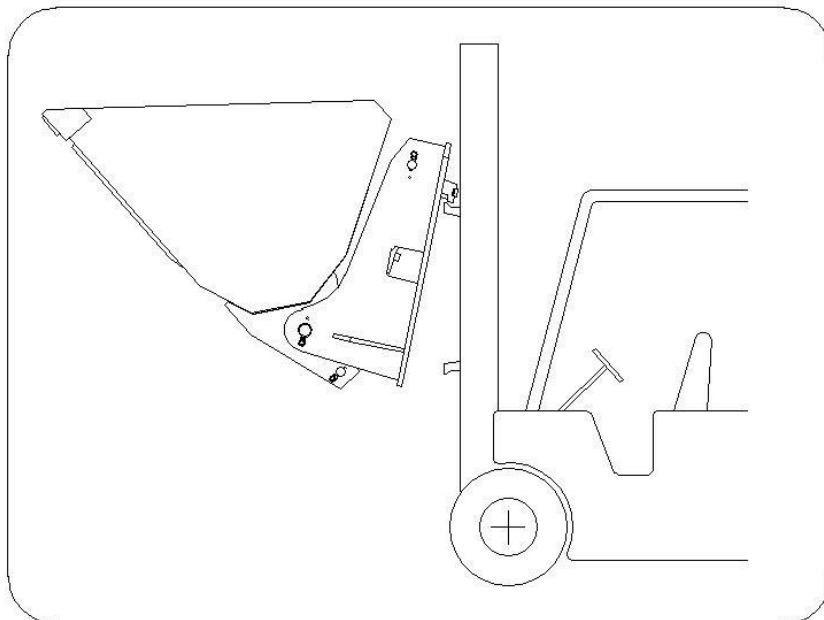


Check the stability of the equipment before lifting.

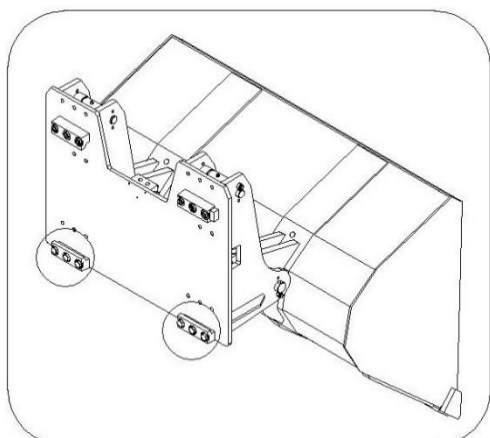
- Harness and lift the hydraulic scoop as indicated in the figure.



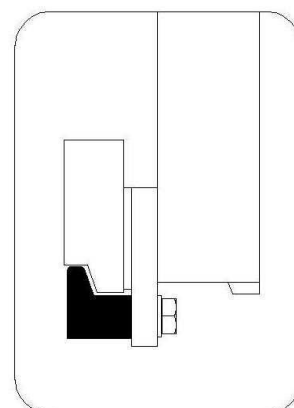
- Place side by side the hydraulic scoop to the truck.



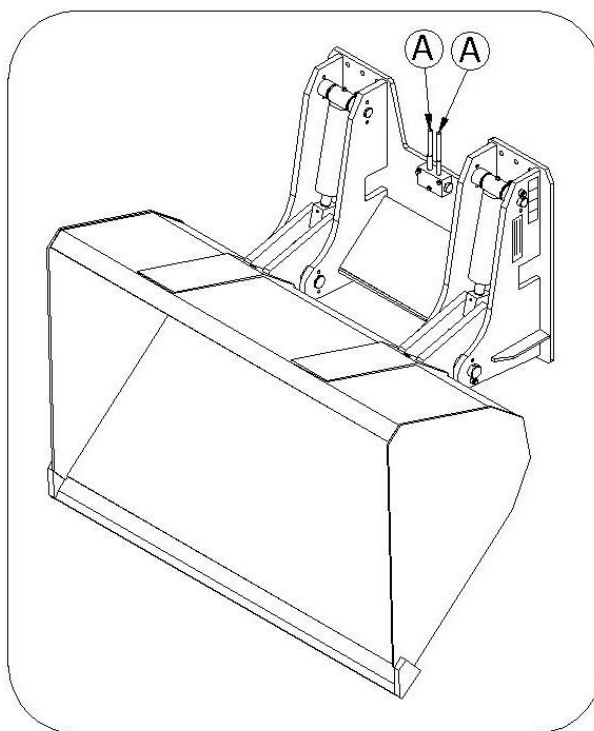
- Lift the hydraulic scoop together with the truck plate and set the two bottom hooks, clamping them with their bolts and their plates.



Screw dimension	Driving torque Nm
M8	25
M10	48
M12	85
M14	130
M16	200
M20	400



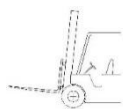
- Connect the two oil tubes A.



Load lifting

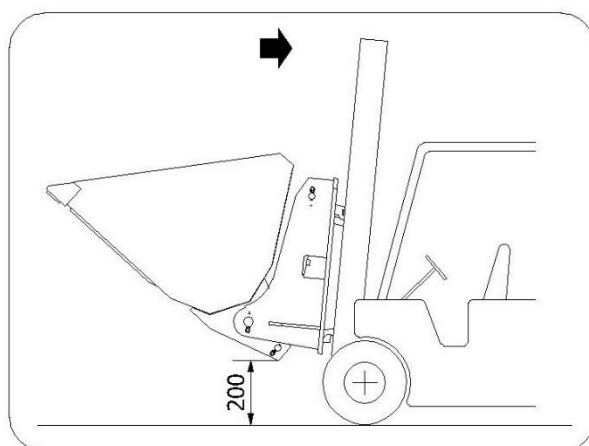
Before starting to work, operate the truck levers in order to find out which lever corresponds to what.

Before lifting a load, operate the hydraulic scoop several times in order to eliminate air from the circuit.

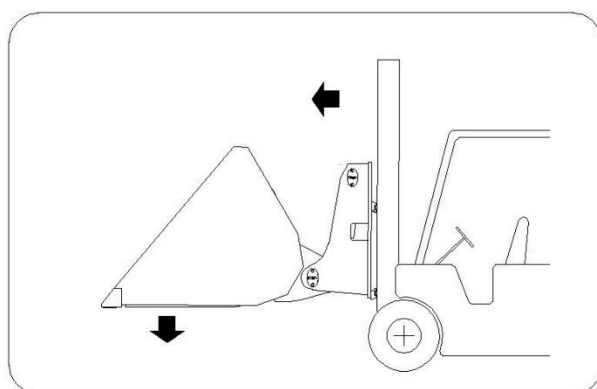


Before operating with the hydraulic scoop also carefully read the instructions of the lift truck manual.

Load handling



- When moving with the hydraulic scoop, lift the load 200 mm from the ground and the mast in backwards position.



- To unload, firstly bring the upright to a vertical position and then slowly lower the scoop.

Maintenance

In the event of problems or if operations are to be undertaken that are not specifically described in this manual, consult **CAM S.r.l.** or retailer.

Before undertaking maintenance work on the hydraulic scoop remove the key from the truck control panel to avoid any accidental movement and operate the levers to eliminate any hydraulic pressure.

For safety reasons arbitrary adaptation or modifications to the equipment are prohibited.

Daily

- Check the load retaining potential.
- Check that there is no oil leakage from the pipes, fittings or cylinders.

Weekly

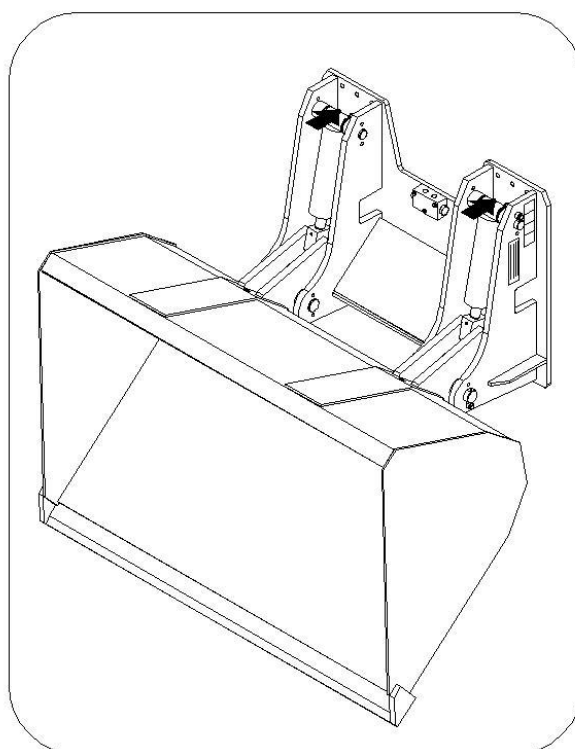
- Check that all the screws are well tightened and check the truck attachment jaws.

Monthly

- Perform complete lubrication, grease the three points indicated in the figure below with a special grease.



Do not use grease containing molybdenum bisulphide for lubrication.



Every 200 hours

- Check the wear of the packing seals and replace if necessary.

