

WARRANTY EXCLUSION CLAUSE AND PROHIBITION

- Warranty conditions will be automatically decayed if ramps are used for loading steel/iron tracked machines devoid of rubber stripes protections (available only on demand, but compulsory for steel tracked machines)
- Warranty conditions will be automatically decayed if ramps are either partially or completely use in an improper way not complying with instructions before described or with LOTUS Service Centre indications
- If ramps are used without being fixed to the loading platform as per previously described instructions, you are not entitled to claim for reparation or replacement under warranty
- Warranty conditions will be automatically decayed in case of changes or reparations made by the customer itself or by third parties
- It is forbidden to use ramps horizontally like gangways or bridges
- It is forbidden to put support under the ramps or to use any system with the aim of increasing capacity
- It is forbidden to drive over the edges (when existing) or over welds between sidebar and flooring (in case of ramps without edges)
- It is forbidden to use ramps at loading heights different from those shown in LOTUS official catalogues and however not before having informed LOTUS Technical department
- It is forbidden to drive up and down the ramps at a speed higher than 1,4 km / h (0,4 m / sec)

For any other question, information, explanation or complain, please address it to:

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ALUMINIUM LOADING RAMPS

INSTRUCTION MANUAL AND WARRANTY CONDITIONS

WARNINGS

- BEFORE USING THE RAMPS REMOVE EXISTING STONES, DEBRIS OR MOULDS BOTH FROM RAMPS AND FROM TIRES/RUBBER TRACKS OF THE MACHINE TO BE LOADED
- IT IS STRONGLY SUGGESTED TO LET YOUR RAMPS UNDERGO AT LEAST ONCE A YEAR TO A TECHNICAL AS WELL AS VISUAL INSPECTION CARRIED OUT BY LOTUS ASSISTANCE CENTRE
- ACCIDENT PREVENTION REGULATION:
 - It is always compulsory to use your accident prevention equipments (gloves, shoes, helmets etc.)
 - Use suitable lifting gears in order to handle ramps heavier than 25 kg each
 - Do not lean ramps on tools or electric cables
 - Always handle ramps with care, do not drop them down and do not use them otherwise
 - If you doubt about the integrity of the ramps, call LOTUS technical department
- KEEP INVOICE PROVING PURCHASING DATE
- READ THIS INSTRUCTION MANUAL CAREFULLY AND STORE IT FOR REVIEW PURPOSES

LOADING / UNLOADING

Prior to starting loading/unloading

- Clear out or remove existing equipments or blades fixed on the vehicle to be loaded. Always remove debris, moulds or stones from tires/rubber tracks.
- Approach the vehicle to the ramps as much slowly as possible
- Be sure that tires and tracks drive over the centre of the ramps flooring. In case of ramps with borders do not drive on borders **FIG: 3**
- Operators on the ground must stay out of a range of 5 m. while loading/unloading vehicles
- Drive slowly at constant speed
- Do not break abruptly and do not make adjustment actions in transit
- *Climbing:* reduce speed at the top of the ramps in order to avoid putting harshly the vehicle on the truck platform
- *Descent:* before starting, be sure that tyres/tracks are gradually and softly laid down onto the ramps

Vehicles with steel/iron tracks

- If the machine to be loaded is equipped with steel/iron tracks it is necessary to check that rubber protection stripes are complete and well bolted on the ramps

Inspection procedure

- Check that the whole weight (operator, fluids and ancillary equipments included) is well distributed on both ramps according to the wheelbase of the machine to be loaded and that it is within the capacity parameters indicated on the stickers on the ramps (**Fig. 1**)



Fig. 1

- Check if the height of the loading platform is compatible with the length of the ramps
- Check if the width of the ramps is compatible with tyres/tracks width. 3-5 cm. max. empty space must be kept between each edge and the tyre/track (**Fig. 2**)

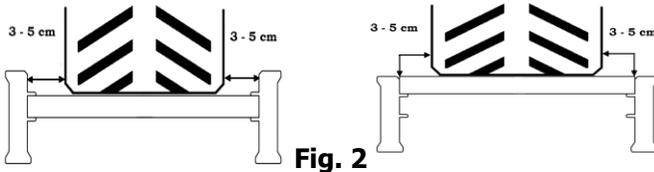


Fig. 2

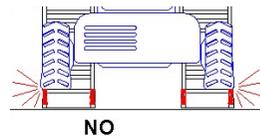


Fig. 3

- In case of ramps without borders, this criteria must be respected as well in order to avoid driving over linking welds between flooring and sidebars of the ramps (**Fig. 3**)

Setting of means of transport

- Be sure that the mean of transport lays on a levelled surface and that tyres are braked and blocked (**Fig. 4**)

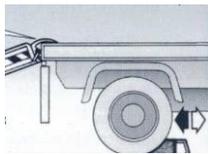


Fig. 4

- If necessary, use standard stabilizers of the truck (jacks, suspensions block, etc..)
- In case of dumper truck, be sure that the platform is strictly fixed in order to prevent it from bending and causing ramps unhook
- Check the solidity of the mean of transport, especially where ramps will be hooked

WARRANTY

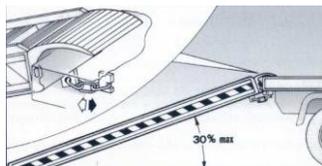
- A pair of ramps is always meant to be made by 2 ramps of the same model and carrying the same serial number
- Each pair of ramps is granted for 2 years starting from the purchasing/invoice date
- Warranty conditions refers **ONLY** to material and manufacturing defects
- Mechanical operations for presetting ramps and means of transport are always at customer's own charge and are always excluded by warranty conditions
- Warranty acceptance by LOTUS is meant to be free replacement of ramps or free repairing of defecting components. In case of not repairable damage, LOTUS will replace either the components or the whole ramp according to its own unquestionable judgement
- Deterioration due to consumption, unauthorized changes, damages during transport or because of circumstances not directly caused by manufacturing defects are **EXCLUDED** from warranty conditions
- LOTUS is not responsible in any case fro damages, loss or additional expenses due to the impossibility of using ramps as the warranty is limited to defecting components reparation or replacement of them or of the whole ramp
- LOTUS declines any responsibility for damages to things or injuries to people or animals caused directly or not by improper use or installation of the ramps and/or by non compliance with rules and instructions described in this operator and maintenance manual

HOW TO MAKE A CLAIM

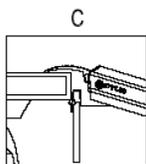
- Before asking for replacement or reparation under warranty it is necessary to send an official claim by post/fax/e-mail to LOTUS Service Centre indicated by the reseller where ramps were bought.
- The claim must be done within 8 (eight) days from the discovery of the defect
- The claim must be sent together with a copy of the purchasing invoice and serial number of the ramps must always be written
- Ramps check is always carried out only by LOTUS Service Centre through direct analysis of skilled and qualified personnel
- Coming back of defecting ramps can be agreed with LOTUS Service Centre. Additional pictures or information about the dynamic of the fact may be asked by LOTUS at any time. This request does not correspond to any acknowledgement of the complain
- LOTUS Service Centre will transmit the result of the analysis and will ask for customer's clearance if additional surveys are needed
- Freight and special technical surveys are at customer's own charge
- In case of replacement, defecting ramps are LOTUS' own property.
- For any other complain LOTUS Service Centre is always willing to support its customers giving additional explanation or suggestions even following to negative analysis results to the aim of providing a whole after-sale service which allows customers to use the new or repaired ramps in a proper and more efficient way

Fixing procedure (for each ramp)

- Once put the ramps in a ready-to-use position, ensure that hooking points correspond to ramps centre line. If this is not possible ask to LOTUS technical department or choose another fixing system among those available
- Hook the spring-clip/strap to the rounded plate welded under the ramp
- Fix the other end of the chain/rope to the hooking point on the truck (Fig. 10)
- Ensure that chains/ropes are well fixed and that rounded plate under the ramps are undamaged and without deformations or cracks


Fig. 10
FIX C (on demand only): clamp
Equipments

- Each ramp is provided with a removable clamp fixed on two aluminium plates welded on the lower part of the flooring of the ramps (Fig. 11)
- Just in case clamps may be shifted for some centimetre along the pivot between clamps and plates. This pivot is provided with two cotter pins on both ends


Fig. 11 **Warning!! Use only on ramps with 8000 kg max. capacity**
Means of transport presetting

- No mechanical operations on the truck are needed for a correct installation of the device

Fixing procedure (for each ramp)

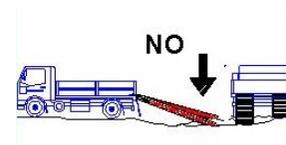
- Put the ramps in a ready-to-use position paying attention that clamps do not hit bank's zip
- Insert the clamps between bank and loading platform
- Ensure that both bank and its zips are undamaged, solid and well fixed

Ramps: inspection procedure before using

- Be sure that the ramps have no cracks or deformations and that welds are intact. If not, capacity may be seriously compromised
- Ensure the integrity and correct working for the requested fixing system

Ramps positioning

- Ensure that the terminal at the top lays completely on the loading platform without hurting the tip-up bank, if present. In case of collision, remove the bank.
- Ensure that the feet of the ramps lay on the same levelled ground, are parallel to each other and at the same height (Fig. 5)


Fig. 5

- Ensure that the ground on which the ramps are laid is stable and solid
- Fix the ramps using the fixing system previously chosen

FIXING SYSTEMS*
STANDARD FIX (included): bolt and passing hole
Equipments

Ramps are equipped with a pair of bolts (M12x100) and their nuts

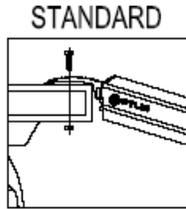
Means of transport presetting

- Make a passing hole in the centre of the terminal of about 15 mm diameter
*The exact point where the hole can be made is a central square of min 40mm by side
If the hole must be done outside this square, contact LOTUS technical office or change fixing system*
- Repeat the procedure on the second ramp
- Put the ramps in ready-to-use position
- Make 2 holes on the platform in correspondence to the holes made on the ramps terminals

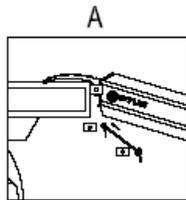
* Instructions of the following chapter refer ONLY to ramps equipped with Standard terminal

Fixing procedure (for each ramp)

- Once put the ramps in a ready-to-use position, insert the bolt from the upper part of the terminal and let it come out from the bottom part of the platform **(Fig. 6)**


Fig. 6
FIX A (on demand only): stopper and clamps
Equipments

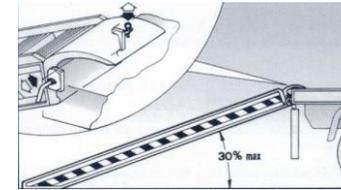
- Ramps are equipped with:
- 4 clamps with holes to be welded to the truck
 - 2 pivots with cotter pins **(Fig. 7)**


Fig. 7
Means of transport presetting

- put the ramps in a ready-to-use position
- Draw on the rear part of the platform the maximum width of each ramp plus 10 cm. in this way it will be possible to adjust the distance between ramps to different truck platform width.
- Weld the clamps to the mean of transport

Fixing procedure (for each ramp)

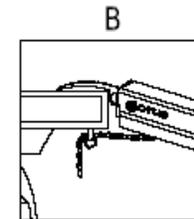
- Once put the ramps in a ready-to-use position, insert one of the cotter pins to one end of the pivot
- First insert pivot into the hole of the external clamp, then into the eyelet under the terminal of the ramp and finally into the hole of the internal clamp **(Fig. 8)**


Fig. 8

- Put the other cotter pin onto the other end of the pivot
- Ensure that pivots can not come out from their seats and that the structure where they are fixed on is undamaged and without deformations or cracks

FIX B (on demand only): eyelet for chain with strap (chain and strap not included)
Equipments

Each ramp is provided with a small rounded plate welded under the flooring **(Fig. 9)**


Fig. 9
Means of transport presetting

- No mechanical operations are needed on the truck for a correct installation of the device
- It is enough to have two chains or steel ropes having the right length and capacity supplied with their straps/spring-clips on one end (materials not included in standard supply)
- The mean of transport must have proper hooking points on which chains/ropes can be hooked