

BOOM Type 940

INSTRUCTIONS MANUAL FOR USE in compliance with the EEC COUNCIL DIRECTIVE 2006/42/CE dated 17/05/2006

WARNING

Read this manual very carefully before starting-up the machine.

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1. USE AND UPKEEP OF THIS MANUAL

This "Instructions Manual for Use" (hereinafter called Manual) is issued together with the A.T.I.B. equipment – LOAD PUSH TYPE 490, in compliance with the EEC COUNCIL DIRECTIVE 2006/42/CE dated 17/05/2006 and further addenda.

The indications given below are essential for a correct use of the equipment and the personnel who will carry out installation, use, maintenance and repair operations must be informed thereof.

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This Manual must be considered as an integral part of the equipment and must be kept until the said equipment is dismantled in an accessible, protected and dry area and it must be available for a rapid consulting.

Should this manual go astray or get damaged, the user may ask the machine builder for a copy.

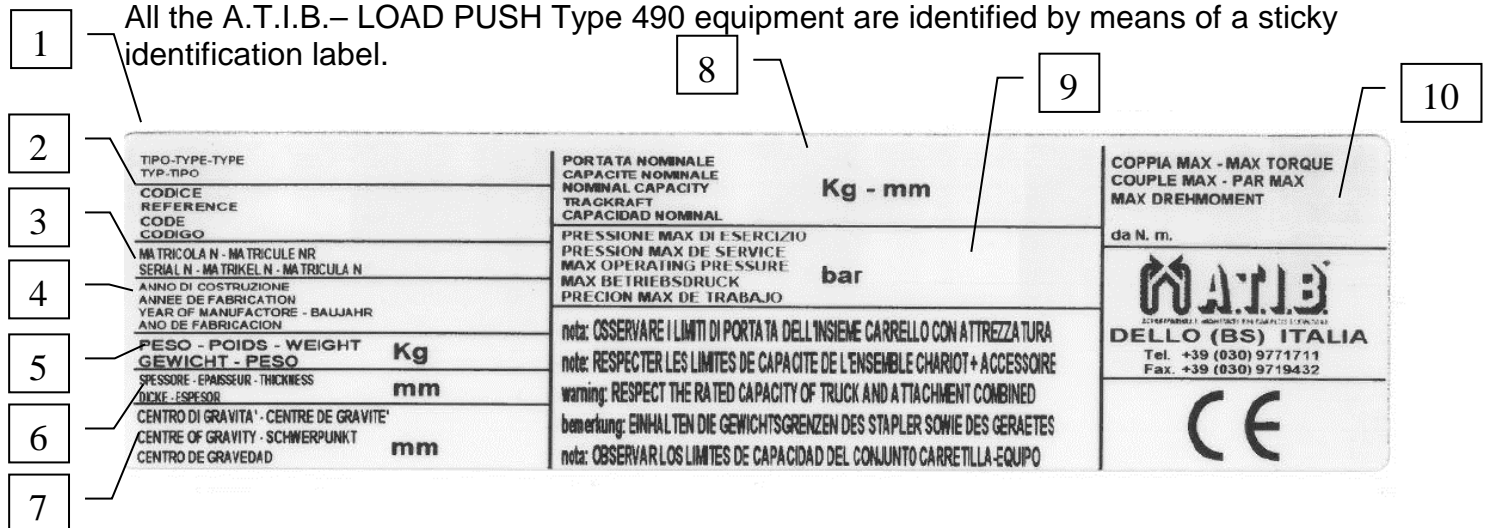
The machine builder reserves the right to modify this manual without warning and without being under the obligation of updating the previously distributed copies.

The machine builder considers himself relieved from all responsibility in case of:

- improper use of the equipment;
- use of the equipment carried out by untrained staff;
- use not accepted by national and international norms;
- lack of the expected maintenance operations;
- unauthorized operations or modifications;
- use of spare parts that are not original and/or not specified for this model;
- failure to adhere, either totally or partially, to these instructions;
- unusual events.

2. IDENTIFICATION OF THE EQUIPMENT

All the A.T.I.B.– LOAD PUSH Type 490 equipment are identified by means of a sticky identification label.



1. Type

It identifies the model of the equipment as shown in the catalogue.

2. Code

It identifies the equipment order code.

3. Series N°

It progressively identifies the individual equipment.

The series number is stamped on the frame should if label go missing or be damaged. Always refer to the series number for any kind of information.

4. Year of construction

It indicates the year of construction.

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5. Weight

It indicates the Q weight of the equipment in kg.

6. Thickness

It indicates the thickness of the equipment in mm.

7. Centre of gravity

It indicates the distance in mm of the equipment CG center of gravity from the fork holding plate table.

8. Nominal capacity

It indicates the maximum P load applicable to the hoisting equipment and the maximum CC barycentric distance of the load itself.

9. Hydraulic working pressure

Not applicable to this equipment.

10. Max. couple

Not applicable to this equipment.

3 – DESCRIPTION OF THE ATTACHMENT

Attachment A.T.I.B – BOOM Type 940 has been designed and manufactured to allow lifting and transport of rolls (ex. Carpet rolls) or pipes (ex. Concrete pipes). Attachment hasn't movable parts and must be installed on fork lift carriage of the fork lift.

4. INSTALLATION

To move the attachment, you must use belts rolled up to external profiles. You must use belts with correct dimension and capacity as regards the attachment. Before the installation, check the situation of the carriage, check that it is straight and that it has a central notch for centering the attachment. Remove bottom hooks and hook the attachment to the fork carriage, placing the centering tooth into the central notch. Refit the two bottom hooks with bolts so that the attachment is safely mounted on the carriage, tighten bolts to the following torques.

Class	Thread	Torque
FEM I	M12	90 N.m
FEM II	M12	90 N.m
FEM III	M14	140 N.m
FEM IV	M16	220 N.m

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5 - USE

When using a new equipment it is a good rule to follow the indications listed below:

- avoid shifting loads by dragging them on the floor;
- respect the rated capacity of truck and attachment combined;

Every ATIB equipment is projected and constructed according to a load positioned (as regards its center of gravity) at a certain distance from vertical part of the fork. This data is written in the identification plate in the “nominal capacity” box (see img. 1, point 8).

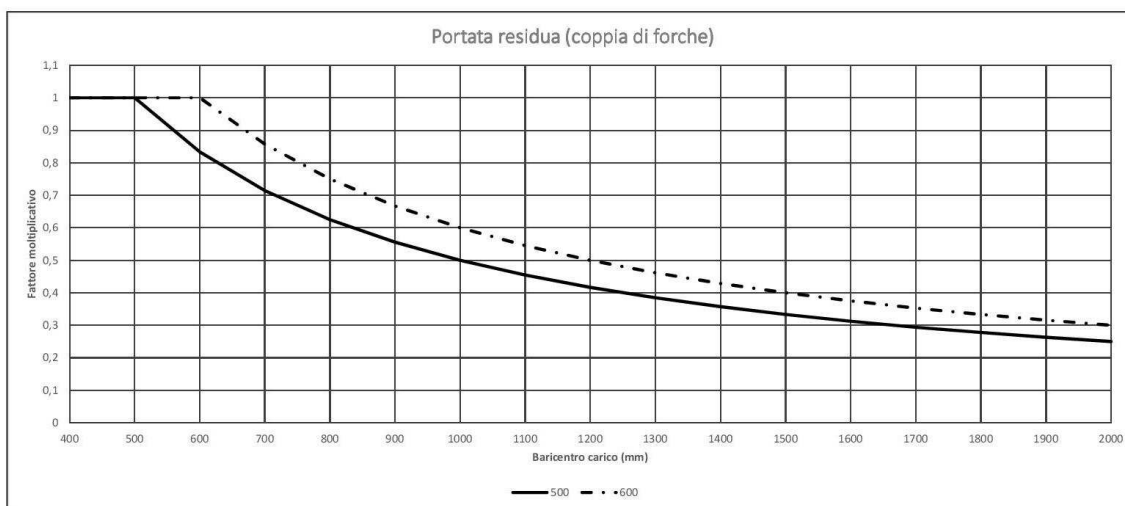
If you need to increase the distance of the center of gravity as regards vertical part of the fork you have to reduce the weight of the load.

In this occasion, we suggest to control the chart here below where, according to the increase of the center of gravity (x-axis) there is a load reduction multiplying factor (y-axis). The multiplying factor, obtained based on desired load center position, will be multiplied with nominal capacity of the equipment.

The result of this multiplication will be actual capacity of the attachment.

Continuous line is for equipment with load center at 500 mm

Dotted line is for equipment with load center at 600 mm



NOTES:

- Chart is useful just to calculate residual capacity of the attachment.. To check the residual capacity of the combination fork lift – attachment please contact fork lift producer.
- This calculation is valid only for “stable” load, in case of movement of liquid material please contact the producer.



The condition of the soil, the quickness of the movement of the load and the lifting height can effect the hold of the load and must be taken into consideration as regards specific occasions.

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The affordable stroke can compromise the stability of the forklift. We suggest to consult the forklift manufacturer to check residual capacity of the combination forklift-equipment.

Nominal capacity of the combination fork lift – attachment is established by the producer of the fork lift and can be lower than the one indicated on the identification label of the attachment.

Check label of the fork lift (Directive 2006/42/CE)

6. MAINTENANCE

No observance of regular recommended maintenance causes poor performance of the attachment and a lapse of warranty.

Every 200 operating hours:

- check the bolts on bottom hooks are torqued properly:

All maintenance operations must be carried out with the forklift security immobilized and deactivated hydraulics.

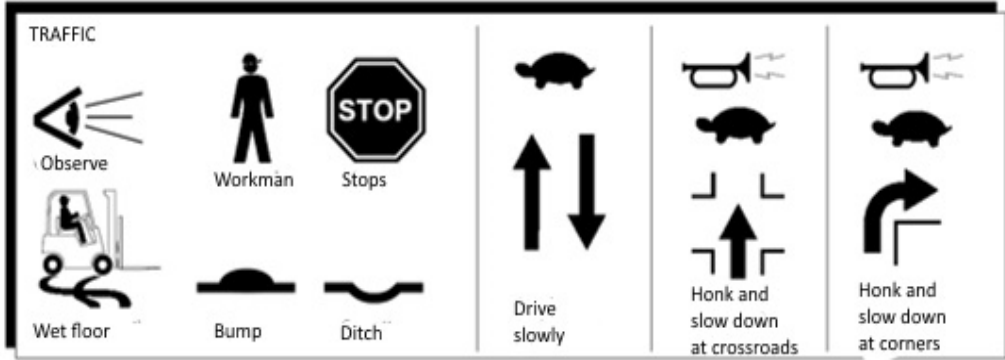
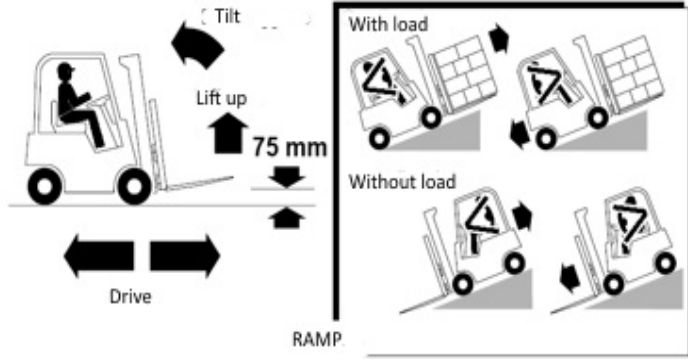
7 – BREAKDOWNS AND SOLUTIONS

BREAKDOWN	SOLUTION
Mechanical deformation	Mechanical repair

8 – SAFETY INFORMATION AND WARNINGS

- Operate the attachment from the driving position. One operator only.
- Do not operate the attachment when persons or animals are within the operating radius of the machine
- Every operation concerning installation, use and maintenance must be carried out by competent personnel equipped with the appropriate tools for the job in hand.
- Carry out maintenance and repair operations with forklift parked and hydraulic circuit deactivated. Wear adequate safety clothing (gloves, steel capped shoes etc.).

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