

ROPS/FOPS PROTECTION STRUCTURE

1.General Features

The structure is suited to installation only on the vehicle AL 150.

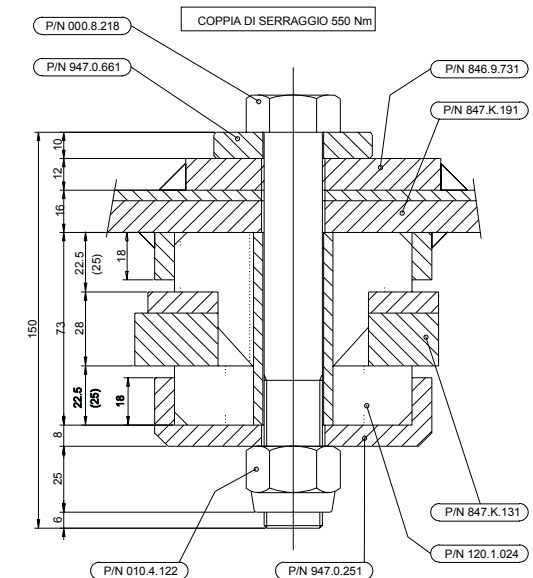
It has been sized for a maximum weight of 11,300 kg. The structure is composed of uprights with a 4 mm thick plate welded to the top.

The structure is bolted to the frame.

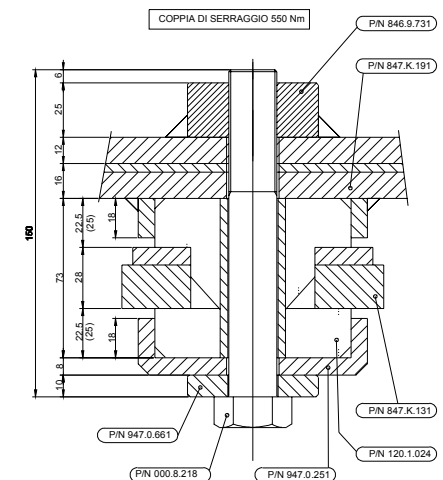
AHLMANN BAUMASCHINEN GmbH	
Rendsburg	
⊕ ROPS-Typ:	<input type="text"/>
Fzg.-Typ:	<input type="text"/>
zul.Ges.Gew.:	<input type="text"/> kg
ROPS-Prüfung nach DIN ISO 3471	

The structure is fastened to the frame as shown in the assembly drawing below:

Front Fasteners



Rear Fasteners



GB

2. Safety standards

The operator must observe the following rules of general safety. The structure guarantees the protection of the operator against the risk of overturning and falling objects:

- operate the vehicle always and only from the driving position;
- fasten the seat belt immediately upon entering the vehicle - refrain from making applications to the vehicle that may alter the characteristics of maximum weight;
- refrain from performing modifications on the vehicle that may weaken the protection structure or its anchor points;
- if the vehicle overturns, permanent deformation may be made to the protection structure in the parts connecting to the main frame;
- and/or cracks in the welding seams; in this case, the protection structure's ROPS/FOPS will no longer be valid. Consult the Manufacturer of the vehicle or his authorised agent before performing any repairs on the protection structure;
- if the vehicle ever catches fire, proceed to an accurate inspection of the protection structure to make sure that no permanent deformation has been caused by high temperature;
- refrain from operation under dangerous conditions and respect the local safety standards in force and any general safety rules adopted;

The maximum permissible weight of the vehicle is 11.300 kg.

3. Installation

The structure is suited to installation only on the vehicles listed in Point 1.



Assembly must be performed only after first positioning the vehicle and the protection structure on a level surface and making sure that there is sufficient space to manoeuvre the structure and that there are no people in the radius of operation of the lifting equipment.



In order to lift the structure and position it beneath the vehicle, lifting equipment of adequate capacity must be employed. Sling the protection structure using the lifting eyebolts foreseen for the purpose.

Make sure that all the lifting accessories (cables, slings, grates, etc.) are suited to the weight to be lifted and in good condition. Lift the structure and position it on the vehicle near the anchor points. Connect the structure using the bolts supplied and screw them into place using a tightening torque of 550 Nm.



Use only the bolts supplied by the Manufacturer together with the structure. The Manufacturer declines all liability for the damages caused by the use of non-original bolts.
Bolt tightening torque: 550 Nm.

4. Maintenance

The structure must be regularly checked in order to guarantee the safety of the operator. Check the following each day before starting to work:

- The structure's welding does not show signs of cracking;
- The anchor point supports on the frame and the respective welding seams do not show signs of or breaking or cracking;
- The anchor bolts have been tightened to the correct tightening torque.

Each month, check the following:

- The support structure of the anchor points to the frame and the respective welding have not been rusted or corroded whenever the vehicle operates in a salty environment.
- There are no unpainted parts on the structure. If necessary, touch up all unpainted parts to avoid the formation of rust.

Every one thousand working hours, check the following:

- The protection structure, the frame anchor point supports, and the respective welding do not show signs of breakage that may compromise integrity.