PRE INSTALLATION CHECK LIST

- Verify that the travel of the lift corresponds to the plunger stroke, in accordance with the general arrangement drawing.

- Inspect the external surface of the piston. Verify not to find dents on the cylinder, that the painting is in good condition, the top flange fixing screws must be well tightened and no rust on metallic parts must be detected.

- Check that the airbleeder is tightened on its hole.

INSTALLATION OF DIRECT ACTING CYLINDER (type 1000):

- Remove all dust and grease on the cylinder. In order to protect against chemical or electrical corrosion acting, the cylinder should be wrapped with PVC protective tape.

- Lower the cylinder into the hole until the swivel plate corresponds to the required measurement.

- Unwind the nylon rope from the top of the piston and fasten it to the highest point of the hoistway keeping the same dimensions as previously employed.

- Adjust the piston position in order to place the nylon thread in the centre of the hole of the screw.

- Fill the hole, in which the piston has been lowered, with fine sand.

- Car frame assembly must be executed with the piston fully lowered into the cylinder.

DIRECT/INDIRECT SIDE ACTING PISTON INSTALLATION (type 1001 and 1008)

Assemble the piston on its pillar and check the parallelism to the yokes on the both directions for the entire length of the piston.

NB: After having installed the piston, disassemble the head flange and verify the gasket condition. If necessary replace it.

PISTON FILLING UP (AFTER HAVING INSTALLED THE POWER UNIT)

- Thoroughly clean external piston surface.

- Check the proper working of the oil return receptacle by flowing oil on it.

- The ram must be lubricated by the oil.

- Check for no damages on the ram surface (if any remove scratches and/or roughness with a fine abrasive cloth). Direct the grooves at 45° in comparison with the ram axis.

- Assembly oil return pipe trying not to meet ascensional points during its path till the oil return receptacle.

INSTALLATION OF SINGLE STAGE JACKS

data sheet : 06.001 - 1/3
date : 01.06.1993

GMV
INSTALLATION OF SINGLE STAGE JACKS

data sheet: 06.001 - 2/3
date: 01.06.1993

- Nylon rope
- Ram head screw
- Car guide rail
- Swivel plate
- Support plate
- Sealed P.V.C. tube
- Sand ballast
- Vertical dimension (E)
- Horizontal dimension (E1)

Note: Dimensions and details are measured from the schematic representation.
INSTALLATION OF PISTON TYPE 1010 (DOUBLE CYLINDER).

For fitting, follow the instructions concerning direct acting piston (type 1000) shown in the previous page. It is not necessary to compact the earth around the cylinder.

After having installed the piston, fill the hollow space as follows:

- Remove the air bleeder and the oil level dipstick from the plate.
- Flow the oil from the hole plate till the top notch (filling up level)
- On every 6 months control the oil not be inferior the minimum level.