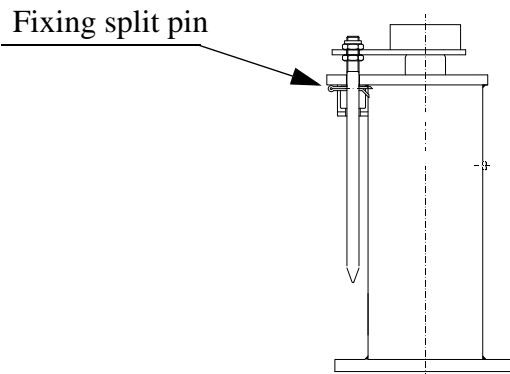


OIL BUFFER INSTALLATION

This paragraph shows some usefull informations for the installation of Hydronic Lift oil buffers type OBA.

1 OIL BUFFER SHIPMENT

The oil buffer OBL are shipped in compressed position.

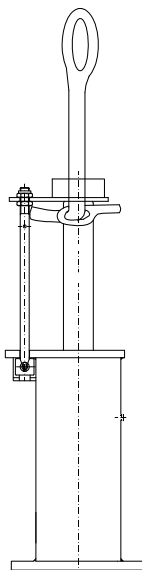


For the extention of the oil buffer remove the split pin, **pay attention to the upper movement of the oil buffer ram.**

NOTE: during the transport and handling, the oil buffer **MUST** keep vertical position to avoid oil leakage.

2 OIL BUFFERS LIFTING

Use a textile rope for lifting so the oil buffer surface does not get damaged. Hook up the buffer as showed in the picture.



Pay attention during the handling to avoide damages of safety switch

3 FILLING AND CHECKING OF OIL LEVEL

Oil buffers OBA are supplied filled with oil.

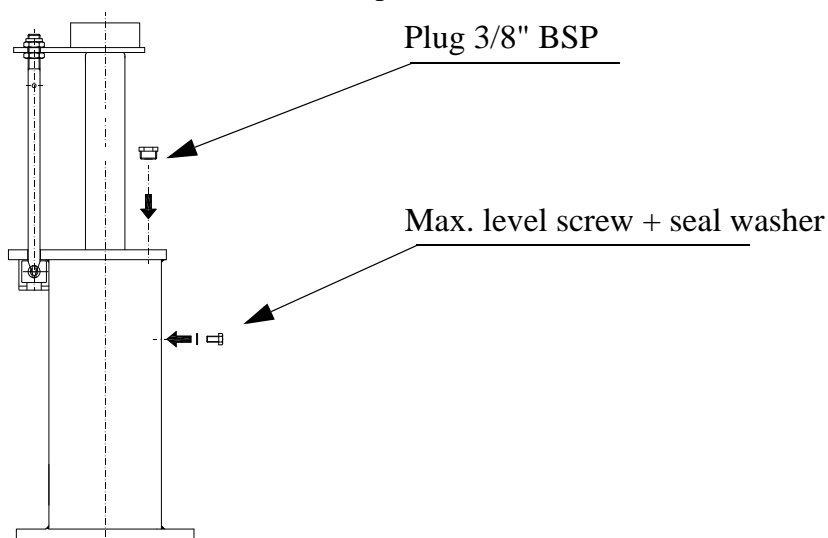
In the case of filling or checking of the oil level, proceed in the following way using OIL ISO VG 46 MINIMUM VISCOSITY INDEX 104

Complete filling of the oil buffer:

- Remove the 3/8" plug from the head of the buffer.
- Provide to dry the oil leakage from the hole of the max. level screw.
- From the 3/8" hole, fill the buffer with the quantity of oil showed in the table and with one more small quantity of about 0,05 liters.
- Wait some minutes in order to fill all the buffer chambers with oil.
- Remove the max. level screw and the seal washer from the side of the buffer.
- The extra oil will go out from the maximum level hole on the side of the buffer.
- Mount the 3/8" plug and the max. level screw complete with the seal washer.

Filling and checking of oil level

- Remove the 3/8" plug from the head of the buffer.
- Provide to dry the oil leakage from the hole of the max. level screw.
- From the 3/8" hole, add in the buffer a small quantity of oil.
- Remove the max. level screw and the seal washer from the side of the buffer.
- The extra oil will go out from the maximum level hole on the side of the buffer.
- Mount the 3/8" plug and the max. level screw complete with the seal washer.



	OBA 16	OBA 18	OBA 20
OIL QUANTITY	1.42 liters	1.65 liters	2.2 liters

4 ALIGNEMENT OF THE OIL BUFFER

Check that the oil buffer is plumb; the deviation of the buffer from the plumb line can be maximum 1mm.

5 WORKING CONDITION

Temperature: -5/45°C; (For different Temperature range ask to Hydronic Lift)

Humidity: less than 95%

Medium has no explosion risk, no risk of corroding metal and destroying insulation

Pit is clean and no ponding.

6 LIFE TIME

The life of the unit is assessed only on "condition monitoring" practice.

As an example, the replacement of the units will be made if:

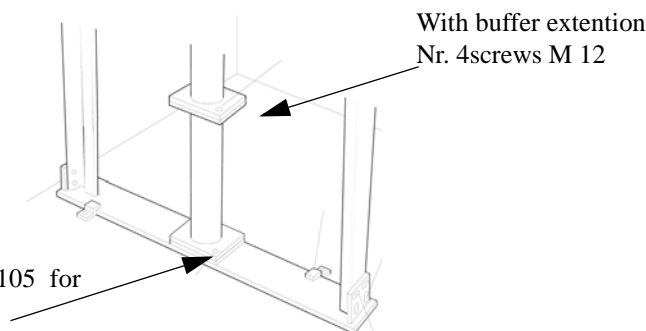
- during planned checks, if presence of corroded metal parts are noted
- Following occasional events that may have compromised the integrity and functionality of some components of the hydraulic damper, such as flooding of the pit or a fire.

7 FIXING DETAILS

Base plate fastening

Nr. 4screws M 12 or

Nr. 4anchor bolt M 12 x 105 for direct fastening to the pit



Supports

The supports are installed according to the table and drawing

The clearance between the support (1) and the car must be 100...150 mm when the car is standing on the compressed buffer (see picture 3)

The buffer and the extension are fastened with steel clamps to the support

CL	HE	BB	support (1)	support (2)
< 2000	-	< 2000	-	-
≥ 2000	-	≥ 2000	X	-
< 2000	Δ 2000	≥ 2000	X	-
≥ 2000	Δ 200	≥ 4000	X	-
< 2000	Δ 2000	Δ 4000	-	X
≥ 2000	Δ 2000	Δ 4000	X	X
< 2000	Δ 2000	Δ 4000	X	X

