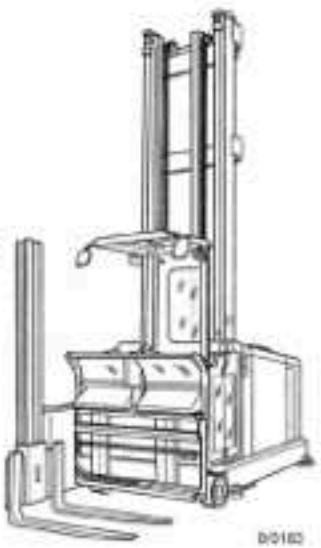
Workshop Manual MX15-4

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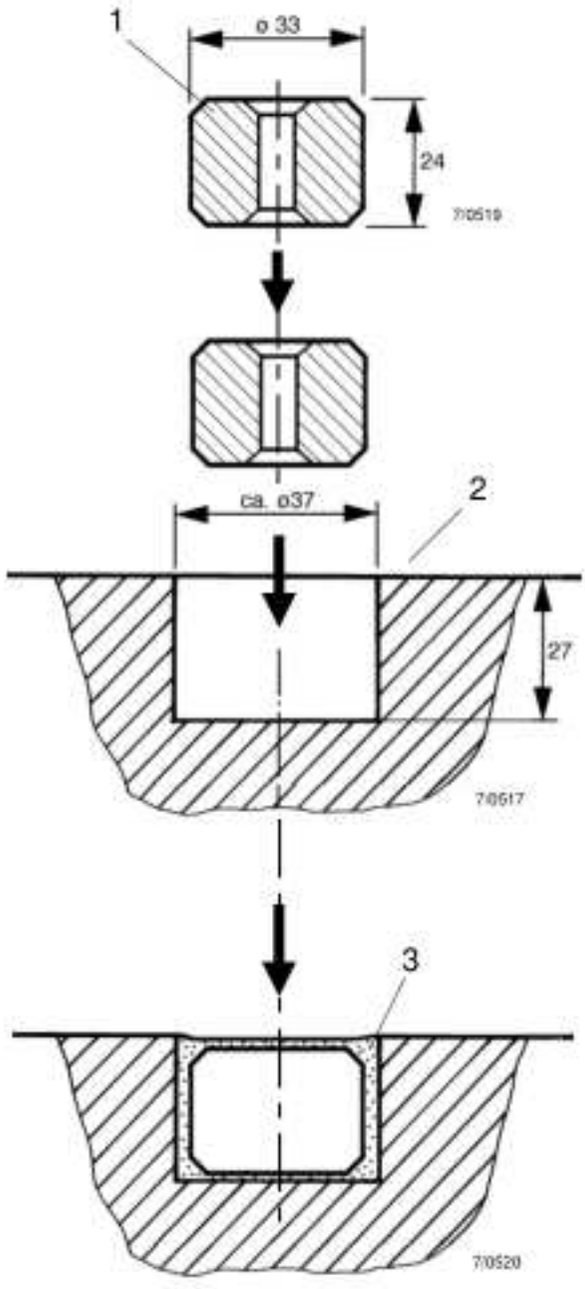
Automatic end-of-aisle braking with magnetic switches

Switching magnet

Id. no. W8 401 006

Description

The permanent magnets (1) have a north pole on one of the round surfaces and a south pole on the other. The south pole is stamped with an "S" about 3 mm in size for identification purposes.
The mounting hole (2) must be made with the specified dimensions.



Remarks on handling

- Permanent magnets may only be fastened in place with flat-headed screws made of brass, aluminium, V4A steel or plastic.
- When magnets are sunk into their mounting surface, the magnet laid in the drill hole can be cast into synthetic resin or sealed with silicone (3).
  It is not then necessary to fix them with a screw.
- It is possible to sink the magnets in iron. It is, however, necessary to leave a gap of at least 2mm, and preferably 3 mm, right around the magnet.
- Permanent magnets are very brittle. For this reason, it is important to avoid levering or hammering them when handling.

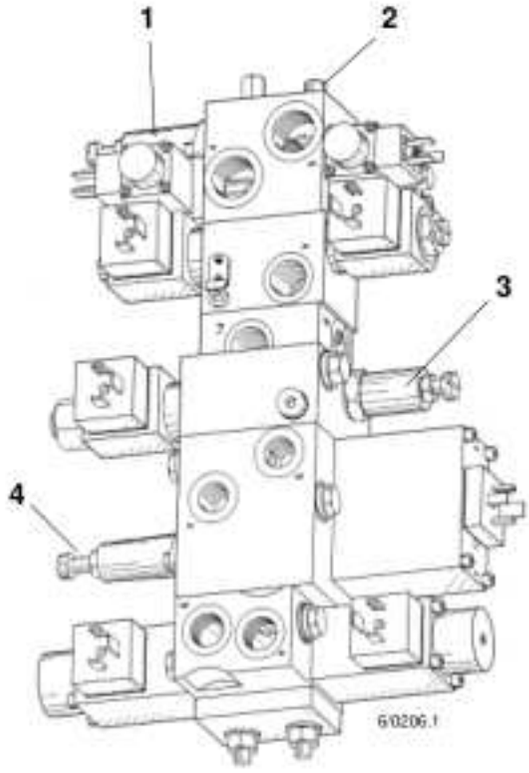
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Continued:
Valve block attachment

Adjustment work

Pressure relief valve (1)
Select "raise additional lift" and move it to the end stop. Now set the maximum parameters for the additional lift pump speed and adjust the pressure by turning the pressure relief valve (no. 1). Turning the valve to the right increases the pressure. The pressure value that is to be set must be 10-15 bar higher than the maximum set pressure at the chassis valve block.



Lowering speed (2)
The lowering speed can be set with the mechanically adjustable throttle of the lowering valve. When full current is applied to the coil of the lowering valve but the lowering speed of the additional lift is still too slow, adjusting this screw can remedy the situation. Turning the screw to the left opens the diaphragm. This increases the lowering speed (the maximum lowering speed = 40 cm/sec.). Before this adjustment can be made, the seal lock nut must be loosened (by at least one turn).

Back-pressure valve for syncronized rotate (3)
Screw the valve adjusting screw (3) right out by turning it to the left. Select syncronized rotate, measure the pressure and increase the measured pressure by 30 bar by screwing in the valve adjusting screw (3).

Back-pressure valve for rotation (4)
Set the parameters for the rotation pump-speed, marker word 13, to a maximum of 30. Screw the valve adjusting screw (4) right out by turning it to the left. Select rotation, measure the pressure, and increase the measured pressure by 30 bar by screwing in the valve adjusting screw (4).

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