

Barriers MAGSTOP

Guidelines for foundations

Foundations for Barrier MIB and Control column MEC

In order to ensure the stability of the barrier, the foundation is to be constructed as agreed with the TÜV ("Technical Monitoring Association, Test Centre for Appliance Safety") and in accordance with the following guidelines.

1. Excavate a hole for the foundation to frost-line depth (at least 800 mm). The dimensions of the foundations at the boom must be at least 500 mm x 600 mm for the MIB series barriers and MEC 10N/H/L control column (Figure 1) and 350 x 350 mm for the MEC 10M/E control column (Figure 3).
On the road side, the foundation is to be 100 mm larger at the bottom than the top (Figure 1).
2. Lay separate conduits of 29 mm diameter for the power supply and control lines. An additional conduit with of 29 mm diameter is to be inserted at road level for loops (Figure 1).
3. Concrete the foundation hole using BH PC 250 concrete (concrete strength $W = 25 \text{ N/mm}^2$). For barriers, the concrete must be reinforced (Figure 2).
4. A smooth finish must be provided in the housing area, so that the barrier housing sits flat level and stable.
5. Drill the bore holes for the anchor bolts in accordance with the layout plan when the concrete has hardened sufficiently. For the MIB barriers, MEC control column, bore hole $\varnothing 10 \text{ mm}$, $A = 80 \text{ mm}$ deep (Figure 1).
6. Set the appropriate anchor bolts into the bore holes (Figure 1) and assemble the barrier housing in accordance with the assembly instructions:

MIB 20/30/40	581E,5000
MIB 10	580E,5123
MEC 10N/H/L	580E,5201
MEC 10M/E	580E,5203
7. Lay paving or other finishing material as required.

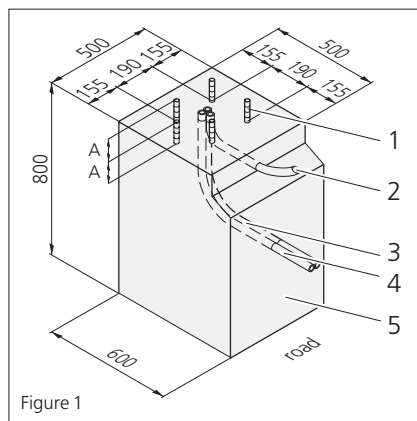


Figure 1

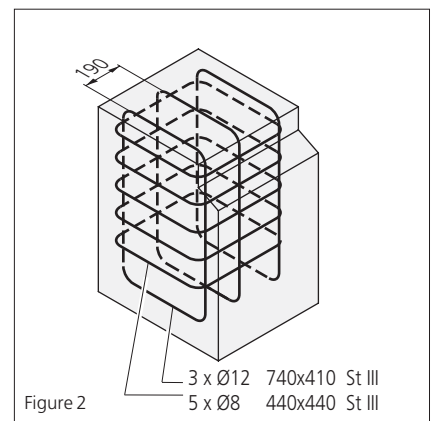


Figure 2

- 1 masonry anchor (four in total)
- 2 empty conduit for induction loop connections
- 3 empty conduit for power supply cable
- 4 empty conduit for control cables
- 5 concrete foundation

Foundation for Support post (Fig. 4)

The Magnetic support post is used with boom lengths which exceed 3,5 m, to support the boom in the horizontal position.

When preparing the foundation, it should be ensured that the barrier and post foundations are at the same level. The bottom of the foundation should measure about 300 x 300 mm, and should be located at the frost-line depth of 800 mm.

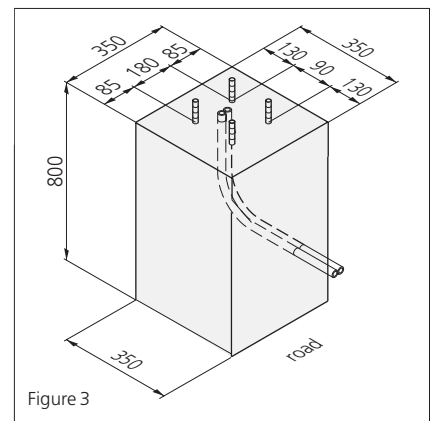


Figure 3

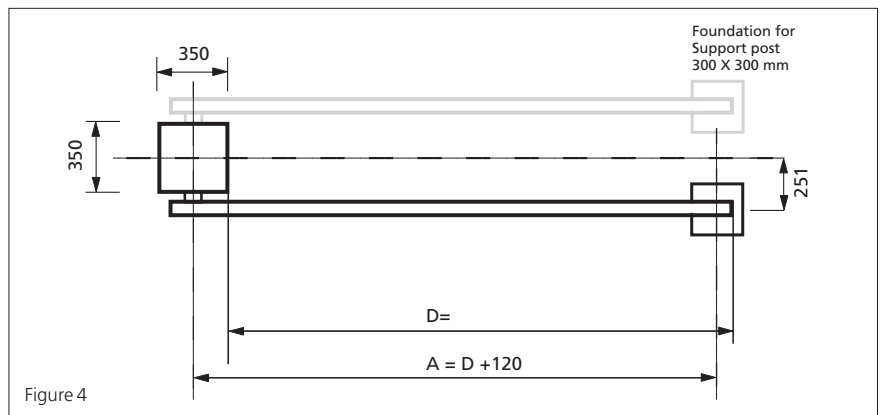


Figure 4

Foundations for Barrier MTS 6/8

In order to ensure the stability of the barrier, the foundation is to be constructed as agreed with the TÜV ("Technical Monitoring Association, Test Centre for Appliance Safety") and in accordance with the following guidelines.

1. Excavate a hole for the foundation to frost-line depth (at least 800 mm). The dimensions of the foundations at the bottom must be at least 600 mm x 600 mm for the MTS series barriers (Fig. 5).
2. Lay separate conduits of 29 mm diameter for the power supply and control-lines. An additional conduit with of 29 mm diameter mm must inserted at road level for loops. (The foundation frame must be suspended with 2 boards above the foundation hole.) (Figure 5).
3. Concrete the foundation hole with BH PC 250 concrete (concrete strength $W = 25 \text{ N/mm}^2$). The foundation frame must be concreted evenly and flush. Reinforcement is absolutely required for the barriers (Figure 6).
4. In the area of the housing, a smooth finish must be provided so that the barrier housing rests in a level, horizontal position.
5. As soon as the concrete has sufficiently hardened, the barrier housing must be installed according to the installation instructions.
6. Lay paving or other finishing materials as required

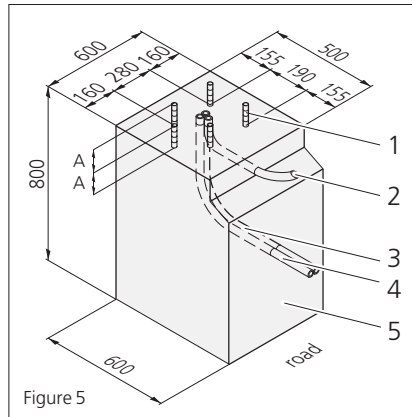


Figure 5

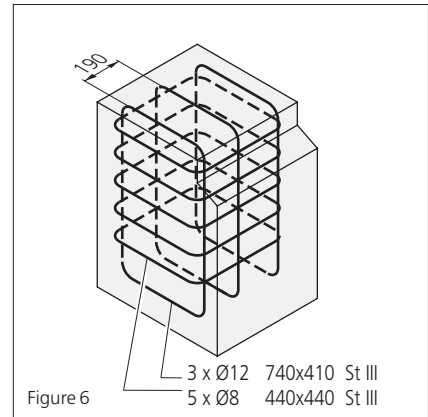


Figure 6

Foundation for Support post (Fig. 7)

The Magnetic support post is used with-boom lengths which exceed 3.5 m, to support the boom in the horizontal position.

When preparing the foundation, it should be ensured that the barrier and post foundations are at the same level. The bottom of the foundation should measure about 300 x 300 mm, and should be located at the frost-line depth of 800 mm.

Assembling the housing (Fig. 8/9)

The barrier housing is positioned vertically on the upper face of the foundation and secured using the fastenings from assembly set that is supplied with the system. (See Fig. 8). In order to be able to adjust the housing later, the nuts are only lightly tightened initially.

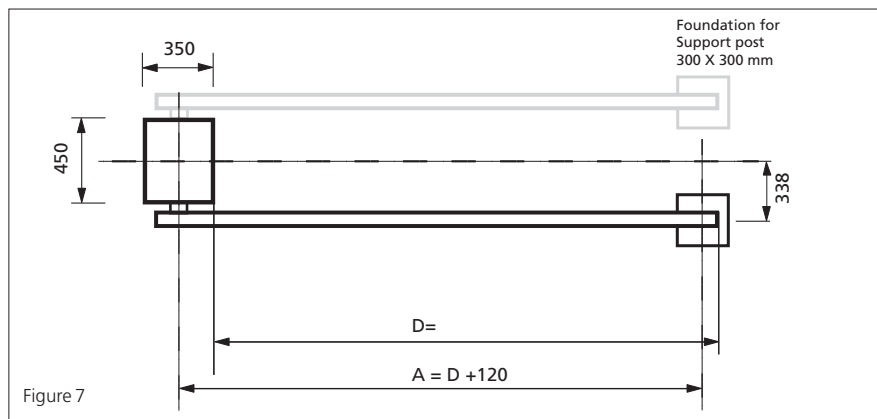


Figure 7

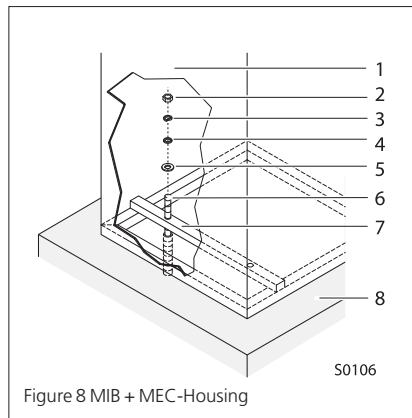


Figure 8 MIB + MEC-Housing

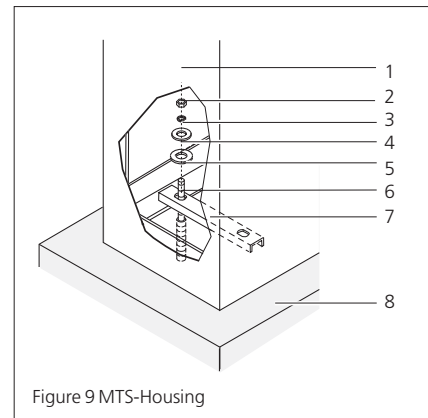


Figure 9 MTS-Housing

- | | |
|-------------------|-----------------------|
| 1 barrier housing | 5 plain washer |
| 2 nut | 6 masonry anchor |
| 3 split washer | 7 U-section |
| 4 plain washer | 8 concrete foundation |

- | | |
|-------------------|-----------------------|
| 1 barrier housing | 5 plain washer |
| 2 nut | 6 masonry anchor |
| 3 split washer | 7 U-section |
| 4 plain washer | 8 concrete foundation |