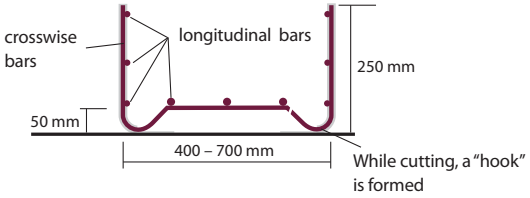
The foundation moulds are suitable for those who

- do not want to spend several days in the foundation trench;
- already at the beginning of the construction want to be winners in terms of time and money.

Technical details

- length 5.0 m, in case of a special order 6.0 m;
- width: 400, 500, 600, and 700 mm, in case of special orders can be more;
- height 250 mm;
- the foundation reinforcement height above the ground surface is 50 mm;
- yield strength of reinforcement bars 3 x Ø 8 mm is 500 N/mm2;
- crosswise bars Ø 6 mm, step 200 mm.



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VMS GROUP

3D FOUNDATION MOULDS

Fast and rentable solution

INSTALLATION GUIDANCE

For installation of foundation moulds you need

Reinforcement cutting tools, a knife, a bonding hook and a bonding wire, a measuring-tape and some hours of spare time. Buying 3D- foundation moulds, you must allow for additional costs amounting to approx. 10% for connections and overlaps.

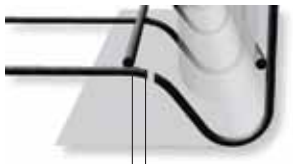
- mark the emerging building's foundation lines with colour on compacted crushed rock;
- start installation from the far corner;
- install the moulds in full length and then install the missing sections;
- close the connections;
- place the bottom part of the plate under the moulds;
- mark the concrete flow height on the inner edges of the moulds;
- pour the concrete up to the height-mark.

3D-foundation moulds are designed for a pour of concrete of 20 cm; in case of a thicker layer the moulds must be wider for approx. 3 cm. You must allow for additional costs of concrete amounting to approx. 0.5 m3 per 100 m of the moulds. In the pictures you can see some common connectivity solutions. You can also create steps, slopes, bows, and extensions (a stack base, etc.).

The pluses in comparison with modular moulds

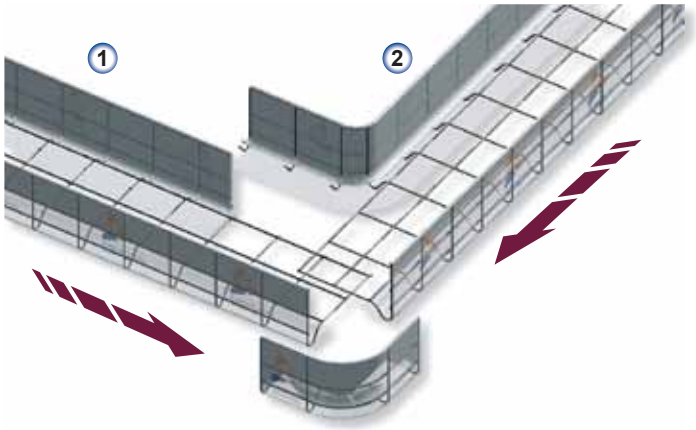
- faster installation;
- more rentable;
- the moulds are more lightweight alternative;
- the moulds must not be dismantled later;
- the construction site is clean.

Place for cutting of the crosswise bars



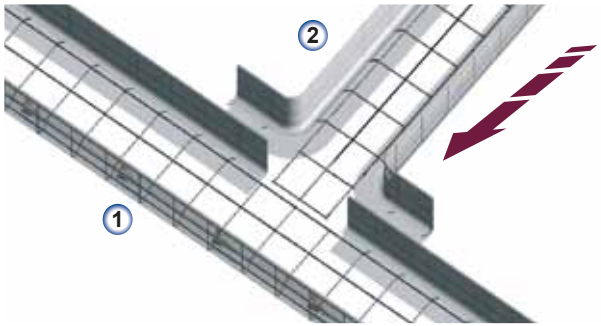
the place for cut of the crosswise bars is 5-10 mm from the outer longitudinal bar

Corner connection



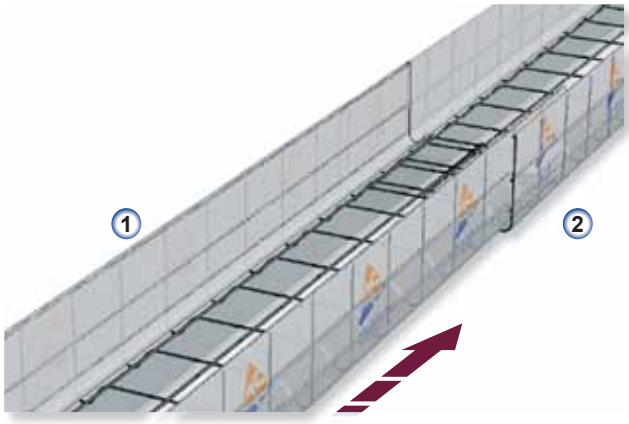
- place the foundation mould on the relevant foundation lines to see the required cutting and bending places;
- cut and bend as shown in the picture (taking intoaccount the place for cutting of the crosswise bars);
- place the foundation mould 1 on the foundation mould 2
- place the cut-out section with the external corner down so that the hooks of the crosswise bar remain below the foundation mould.

T-connection



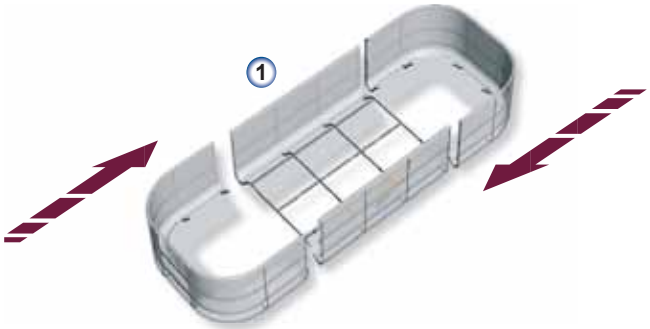
- place the foundation moulds on the relevant foundation lines to see the required cutting and bending places;
- cut and bend as shown in the picture;
- place the foundation mould 2 under the foundation mould 1.

Connection of straight sections



- Make a cut in the middle of the two first crosswise reinforcement bars of the foundation mould 2;
- Place the foundation mould 1 into the foundation mould 2 with a overlap of 30 cm;
- Push in until it reaches the foundation.

Footing mould



- Cut out a section of the needed length;
- In addition to the needed length of the foundation mould cut out an additional section of at least 50 cm for formation of the ends;
- Form the ends as shown in the picture;
- Place the ends under the foundation mould.