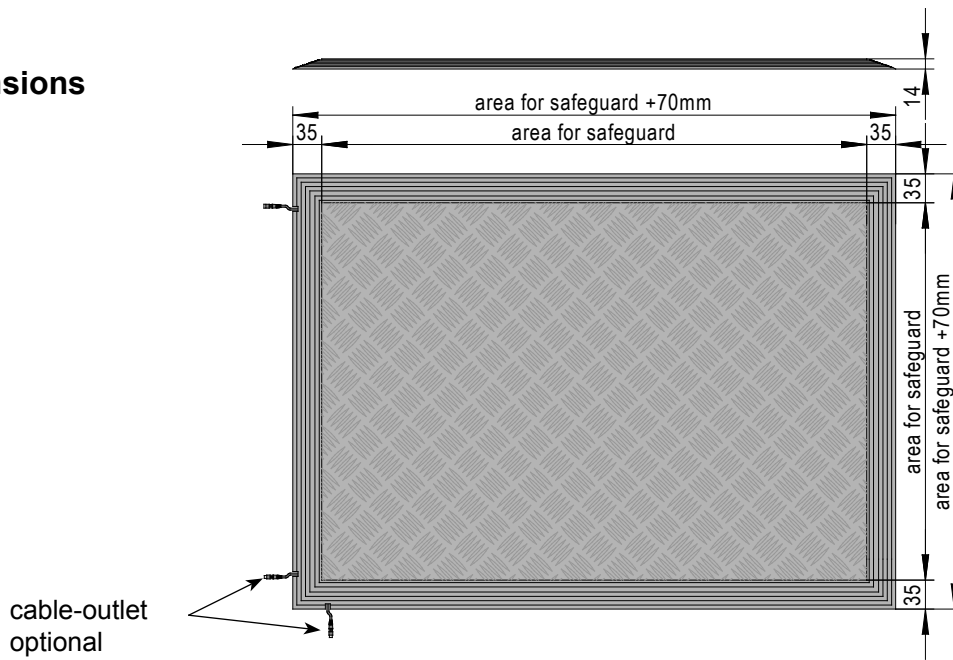
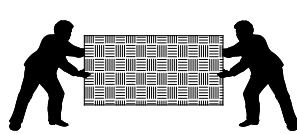


1. Dimensions

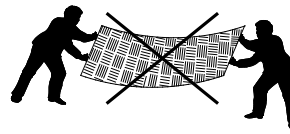


2. Handling

Safety Contact Mats may not be broken or bend.



correct !



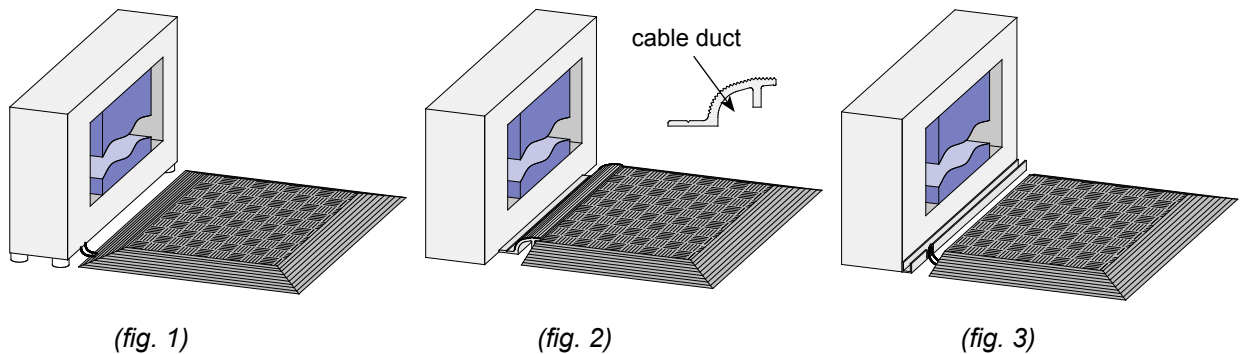
incorrect !

3. Assembly Information

The mounting surface must be absolutely even, clean and dry.
All cables must be laid protected against damage (squeezing, shearing, etc.).

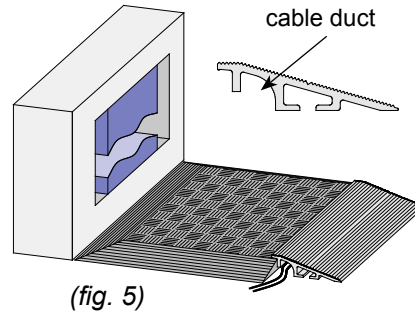
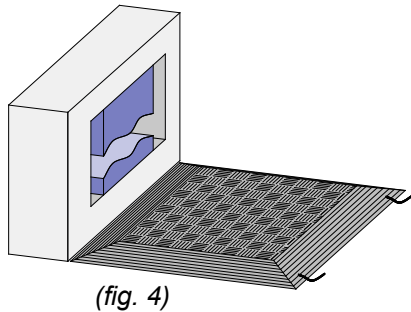
3.1 Possibilities of cable laying at machine side

- Position of the safety mat directly under the machine body. (fig. 1)
- Using the ASO-mounting rail BS 14 (ramp rail of mat is cut off) (fig. 2)
- Using a cable duct (ramp rail of mat is cut off) (fig. 3)



3.2 Possibilities of cable laying at machine opposite side

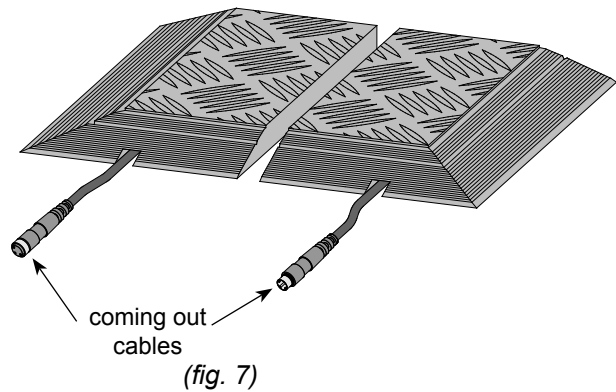
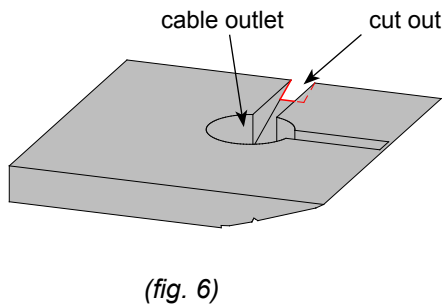
- Position of the safety mat directly at the machine body (fig. 4)
- Use the ASO-ramp rail RS 14. (ramp rail of mat is cut off) (fig. 5)



4. Assembly

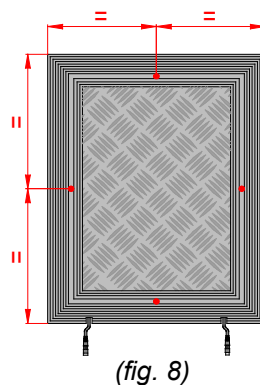
4.1 Cable outlets

- Cut out the cable output at appropriate side (fig. 6) in that way that the coming out cables are not squeezed or sheared while placing the mat afterwards. (fig. 7).



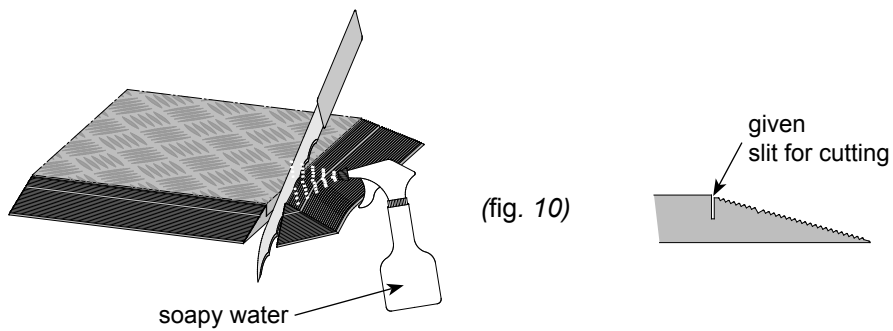
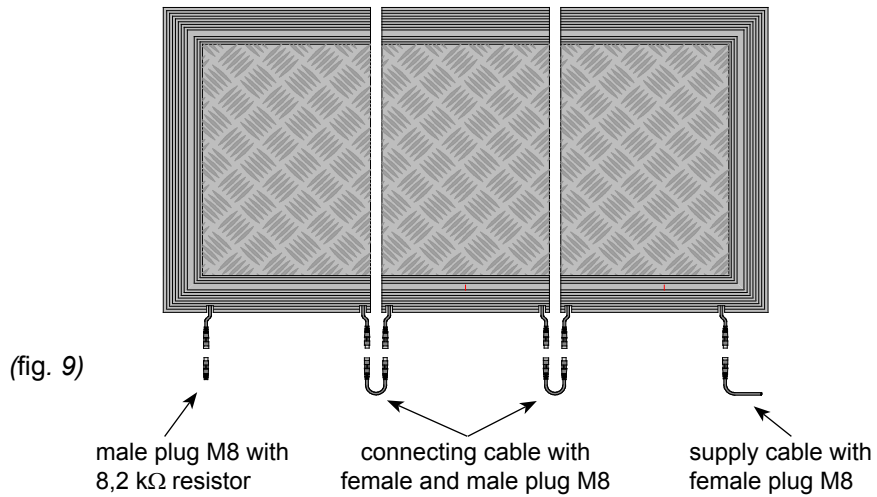
4.2 Placing a single mat

- Place and adjust the mat at appropriate place.
- To provide against slipping use suitable screws and dowels on each side of the mat. (fig. 8)

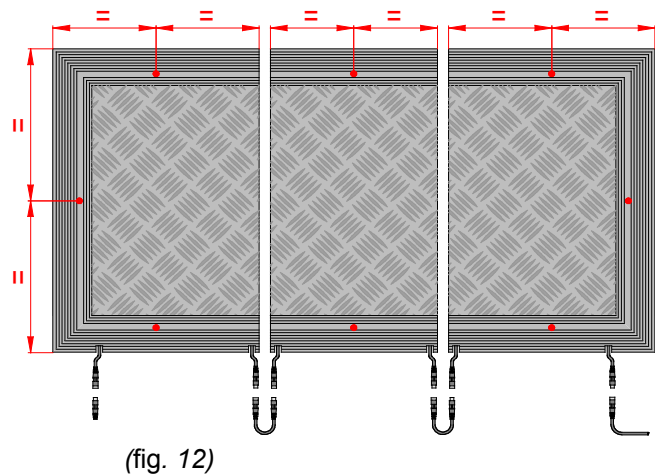
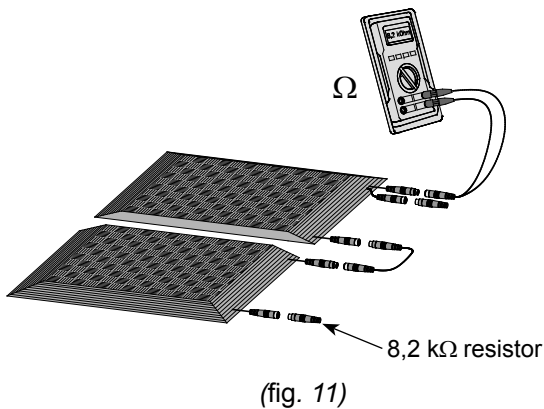


4.3 Placing several mats side by side

For placing several mats side by side (fig.9) the relevant molded ramp rails have to be cut off (fig.10).

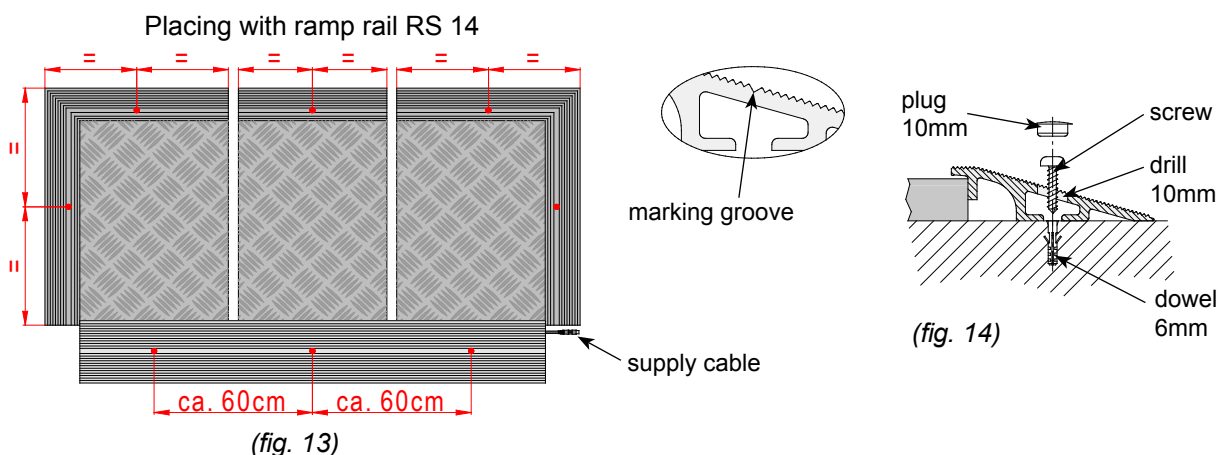


- Place and adjust the mat at appropriate place.
- Then connect that mats electrically and check the resistance value.
 The resistance value has to be $8,2 \text{ k}\Omega \pm 2\%$ with not actuated mat. (fig.11)
- To provide against slipping use suitable screws and dowels on each possible side of the mats. (fig. 12)



4.4 Placing several mats side by side by using the ramp rail RS 14

- Preparation as stated in 4.3.
- To provide against slipping use suitable screws and dowels on each possible side of the mats. (fig. 13)
- Move the ramp rail laterally to the mat. Mark the fastening points along the marking groove on the rail and pre-drill 10 mm for the intended plugs. Fasten the rails on the bottom with 6 mm dowels and suitable screws (approx. all 60 cm) and close the openings with the plugs (fig. 13 + 14).
- Bring out the supply cable laterally and attach it to the controller.



4.5 Placing several mats side by side by using the mounting rail BS 14

- Preparation as stated in 4.3.
- To provide against slipping use suitable screws and dowels on each possible side of the mats. (fig. 15)
- Move the mounting rail laterally to the mat. Fasten the rail to the bottom with 6 mm dowels and suitable screws (approx. all 60 cm). (fig. 16)
- Bring out the supply cable laterally and attach it to the controller.

