

## **Practical information on dividing and walling in masonry arches**

- An abutment must be created for the arch when walling the side pillars, which means that the top two layers are set back by 1.5 mm each.
- The arch sticks are provided with a “stitch” (approx. 3 mm per m span) and 1 cm shorter than the opening width, and clamped on the side with a clamb or wedges.  
(Take a look at the pictures.)
- If the arch is placed on timber supports, double wedges must also be placed under the supports.
- The educational arch must be set up so that the top edge of the masonry arch is flush with the top layer on the abutment.
- When dividing the layers on the arch gauge, make sure that you can work with an odd number of layers, but the joints must not be thicker than 2 cm. (Take a look on the calculation of the layer measure of the arch.)
- When walling in the arch, make sure that all bricks have a slight inclination to the abutment.
- The arch stick must not come into contact with mortar when it is walled in, therefore no mortar joint is to be specified on the lower quarter of the bricks. The bricks are to be aligned with a mason hammer.

Wall evenly from both sides towards the middle of the arch.

- The final joint must be firmly inserted with a joint iron.