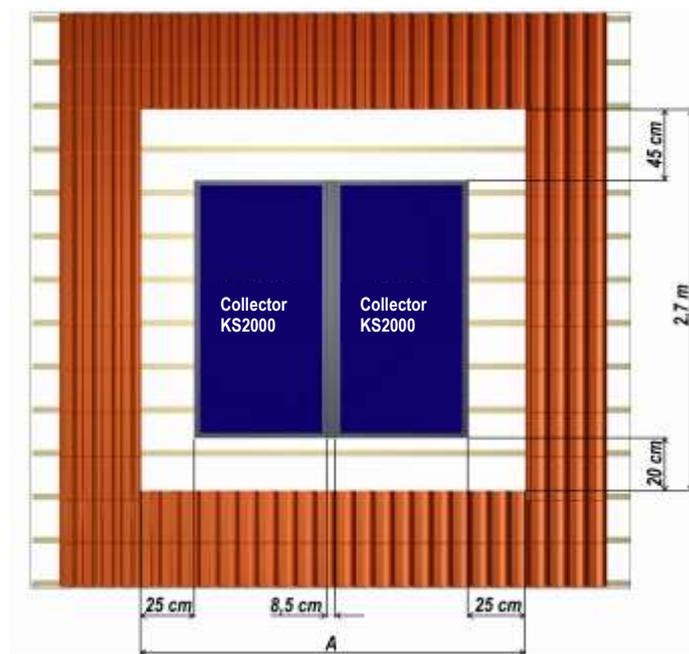


INSTRUCTION FOR THE MONTAGE OF ROOF FLASHING FOR KS2000 COLLECTORS



1. Roof area.

Picture and table describe the amount of place needed for mounted collectors and flashings.

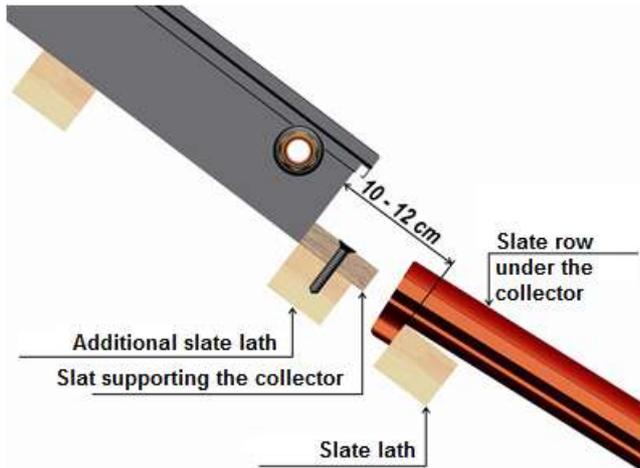


Measurement [m]	Number of collectors in a battery						
	2	3	4	5	6	7	8
A	2,6	3,7	4,8	5,9	7,0	8,1	9,2

WARNING

- Flashing delivered is adjusted to montage of collectors directly on laths and boarding, used for fastening the roof covering (slate, plate, bituminous covering).
- Noticing the necessity of keeping proper conditions of water flow on the flashing, which decides about its tightness, the delivered flashing must not be mounted on a roof with slope lower than 30°.

2. Montage of the bottom support for collectors



Before placing collectors on the roof, there should be an additional wooden lath put in the place of their installation.

Next, a slat (6cm x 2cm) is screwed on the lath, which supports the collectors underneath.

WARNING

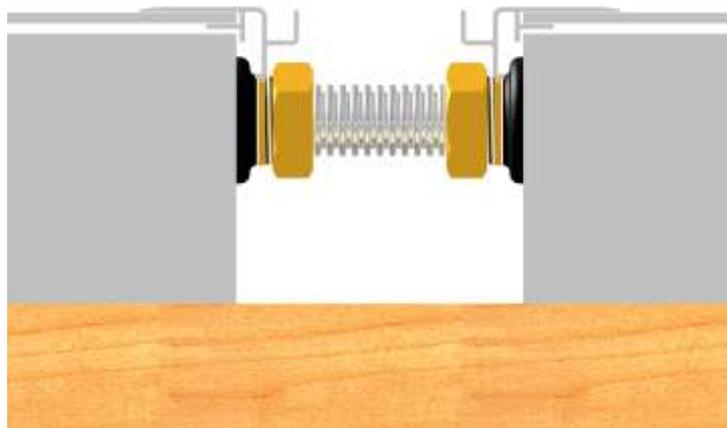
The length of additional lath should be determined by the rafter distance as well as the amount of collectors in the battery.

3. Connecting the collectors and fastening to the construction on the roof.

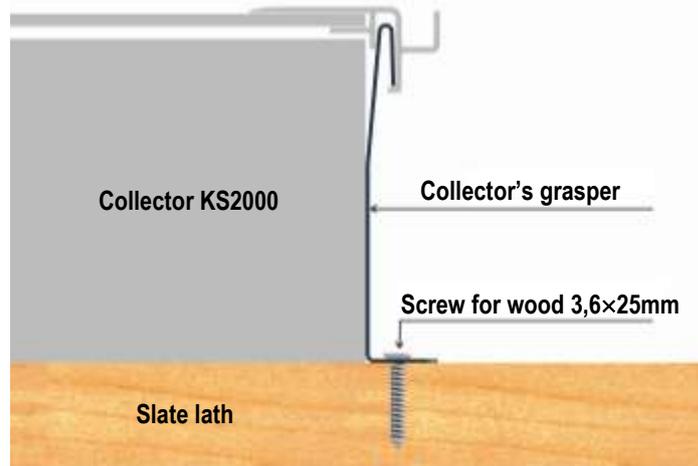
- bring the collectors to the roof and put them in the montage place
- install graspers in the side profile of the collector
- connect collectors using the gaskets and pipe unions delivered, noticing the proper location of collectors in their montage area

WARNING

Turning the sleeve may cause a permanent damage to the collector. **Maximum torque-switching elements with no coupling of the collector can hold is 5 Nm.**



- Using the possibility to move graspers along the collector, place them and screw on to chosen laths

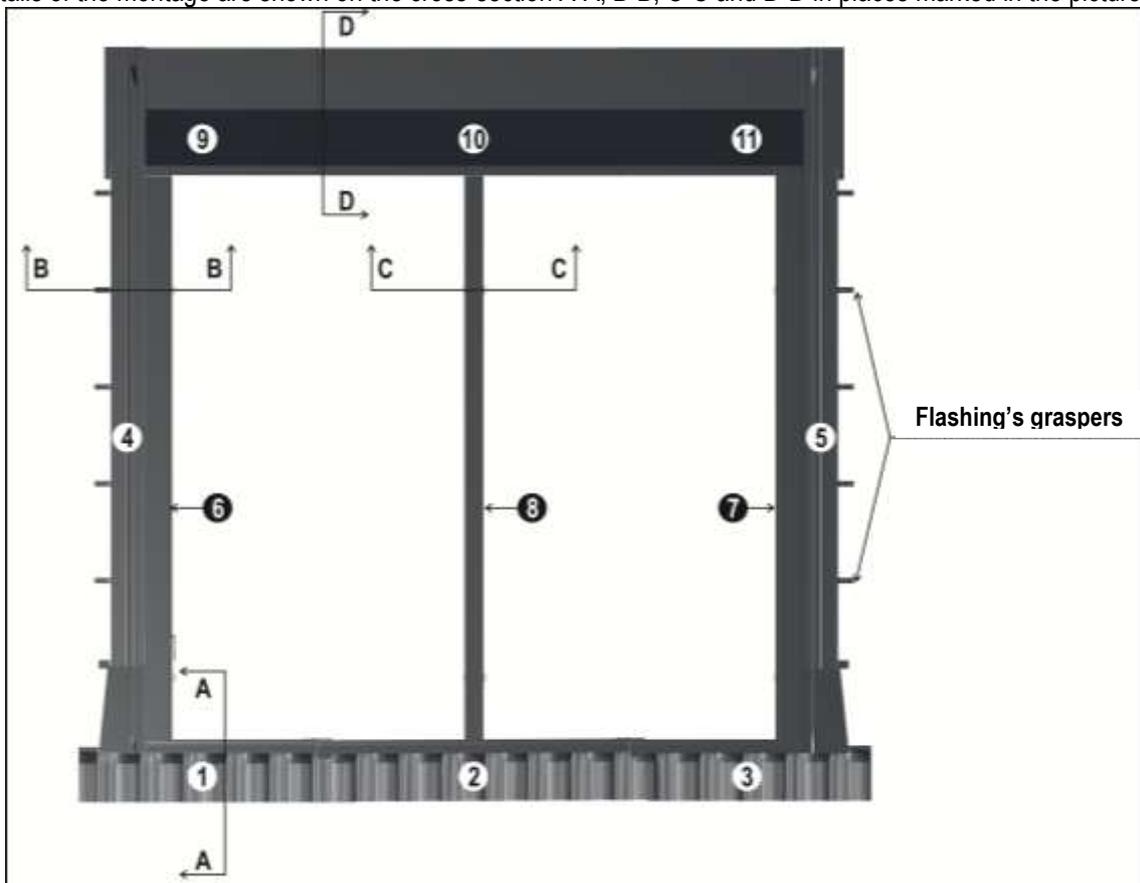


WARNING

Noticing the profitable access after accomplishing points 1-4, we should now mount the armature connected with joining the collectors with the installation (plug, venting, pipe terminal for the installation, temperature gauge for the regulator). Flashing`s construction makes it possible to do all of the works above after demounting the side covering described later.

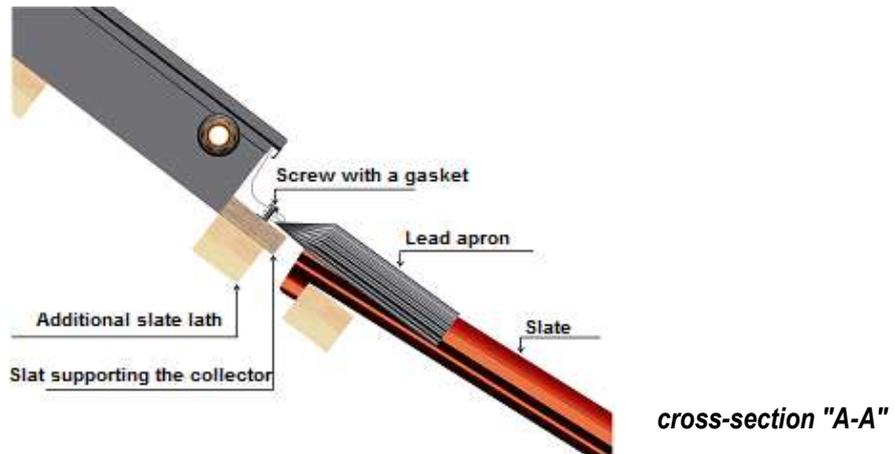
4. Montage of the flashing.

Montage of the flashing should be executed according to the numerous denotations of the elements. Details of the montage are shown on the cross-section A-A, B-B, C-C and D-D in places marked in the picture.



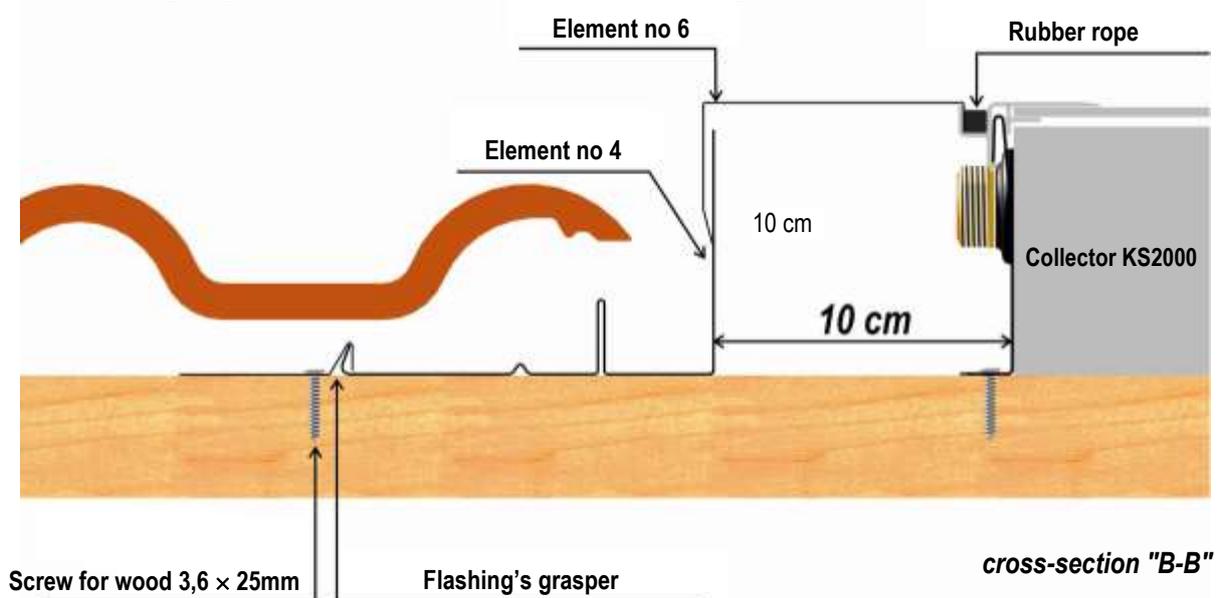
1.1. Fastening of elements no 1, no 2 and no 3.

- left bottom corner (1) should be placed properly with keeping the distance of 9cm (cross-section B-B), and put from the bottom under collector's frame,
- to prevent protruding and falling of the corner mounted, it should be screwed on using screw with a gasket to the slat which supports collectors in a place indicated on the cross-section A-A,
- detach the paper which prevents the sticking substance in the right part of the corner (1) and put the middle element on it (2),
- in a place of the overlay, again screw on the flashing with a screw to the slat under the collector,
- analogically mount the element (3)

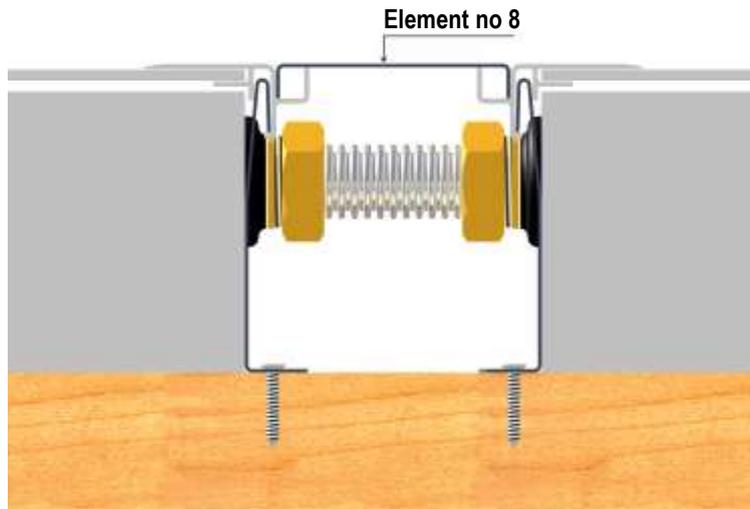


2.2. Fastening of elements no 4, no 5, no 6, no 7, no 8.

- Side element of the flashing (4) should be put on the overlap on built up corner (1) after keeping the distance of 9cm (cross-section B-B), in the upper part of the collector should be fastened using graspers for flashing and screws for slate laths,
- Again, using a rubber rope, fasten side fish-plate (6) in the side trough of the collector,
- Analogically mount elements on the other side of the battery (5), (7).



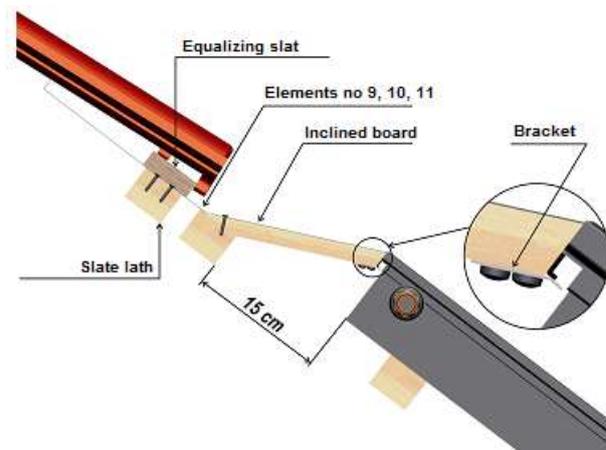
- next mount cover between the collectors (8)



cross-section "C-C"

4.3 Fastening elements no 9, no 10, no 11.

- above the collectors, in the distance of 15cm (given on the cross-section D-D), build up additional lath used for supporting upper part of the flashing,
- delivered inclined board should be leaning on the frame in the middle part of the collector, so that the catch of cantilever can be put in under the frame and after boring holes, fasten using two screws to additional slate lath,
- put the corner (9) so that it overlaps previously placed side element (4), upper part of collector`s frame and leans on the fastened inclined board,
- on the left side fasten the corner to slate laths using graspers for flashing and screws,
- after putting on the sealing up substance in a place of upper elements` overlay of flashing and proper placing the element (10) we should perforating holes ϕ 3,5mm and then using screws with rubber gaskets fasten to the inclined board
- analogically mount the element (11)
- to the upper elements of the flashing screw on a slat which levels placing of declining to the flashing slates, height of the slat "h" should be chosen accordingly to thickness of the slate



cross-section "D-D"

WARNING

While placing slate around the flashing it should be properly cut and well-fitted.