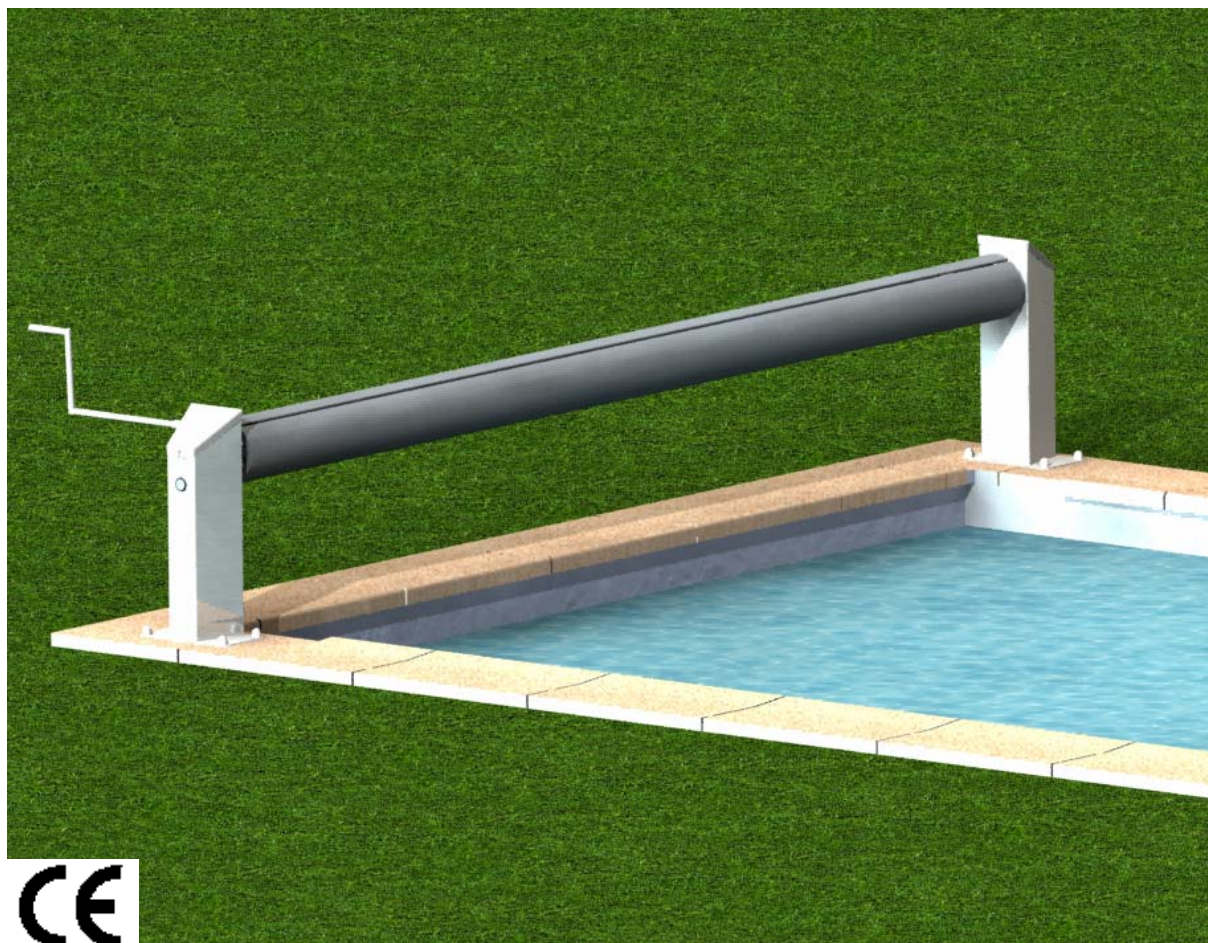


## ***ABOVE-GROUND AUTOMATIC POOL COVER***

### **MANUAL CARLIT MODEL**



***INSTALLATION AND MAINTENANCE MANUAL***



Serial N°:

Revision number: 001-2008-01-14

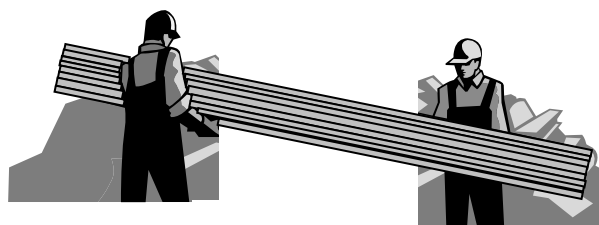
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- Personnel and material required for unloading and assembly	Page 02/15
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## UNLOADING



OR



## TOOLS REQUIRED FOR ASSEMBLY



Drill and drill bits for concrete Ø 6 and Ø10

Flat head screwdrivers

Phillips screwdrivers



Spirit level

10 - 13 – 17 wrench

Nippers



Wire strippers

5 and 6 mm Allen wrench

Hammer



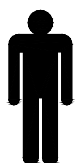
Standard and long (10 m) measuring tape

Grease

Metal saw\*

Grinder with material disk

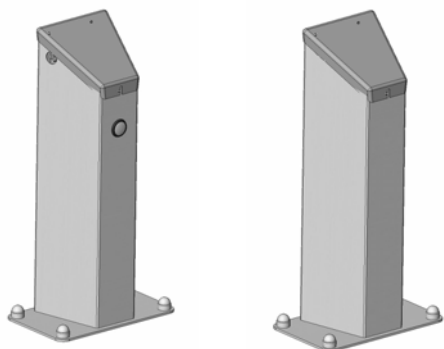
## UNLOADING TIME



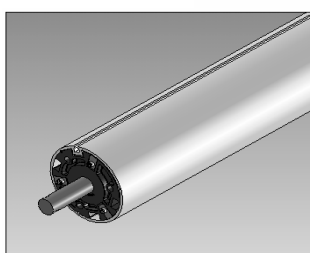
## ASSEMBLY TIME



## COMPONENTS OF THE AUTOMATIC POOL COVER



**2 Winder stands**



**Roller Shaft**



**Slats and fixing Brackets assembly**



**Manual reductor**



**Articulated crank**



Installation Instructions  
Operation, care, winterising and maintenance instructions.

## MOTOR SIDE ASSEMBLY

### Phase 1:

To lubricate the shaft (1) and the reductor. To introduce the shaft into the reductor.

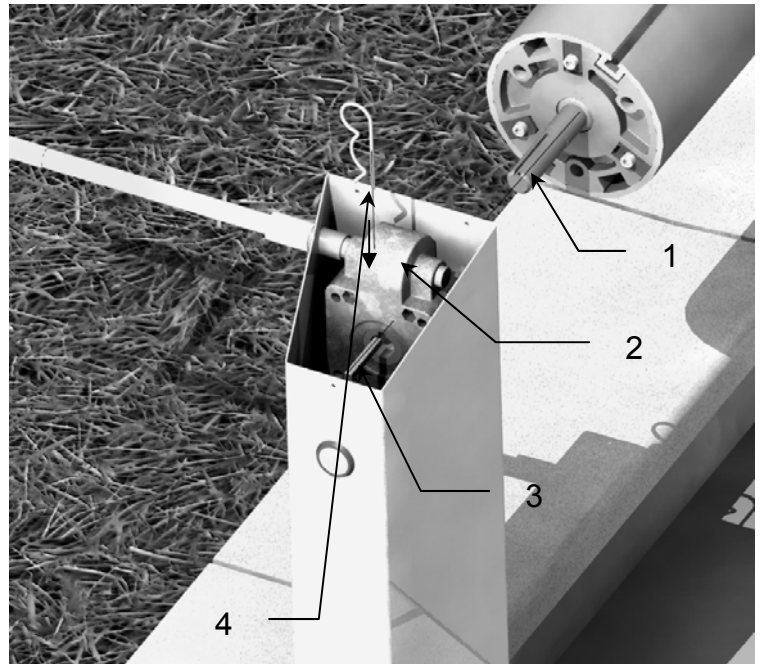
### Phase 2:

To lubricate the cotter pin (3). To adjust the rabbet of the shaft with that of the reductor.

To manually insert cotter pin (3) into the rabbet without any tools.

### Phase 3:

Engage the safety pin (3) in the emerging shaft (1).



## SHAFT SIDE ASSEMBLY

### Phase 1:

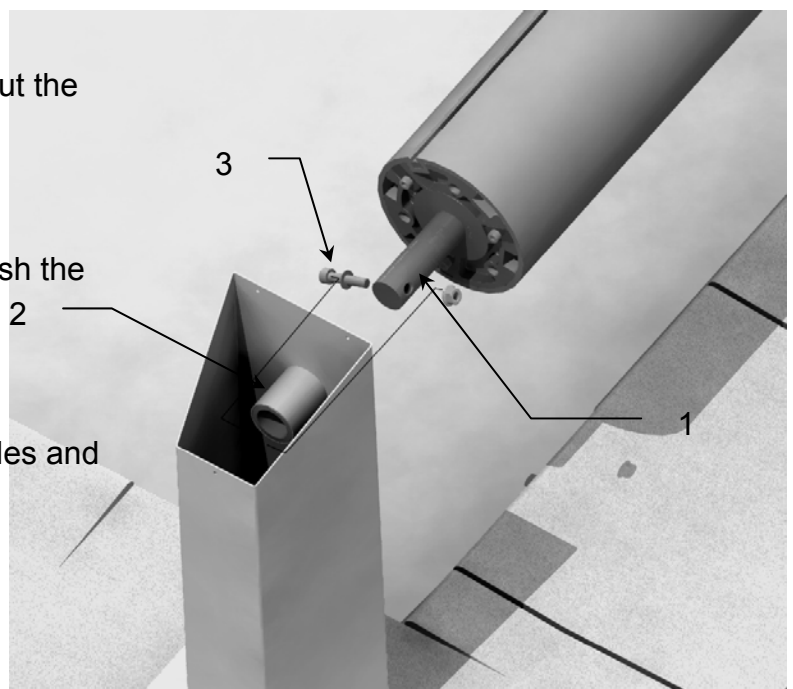
Push backwards the bearing (2) and put the pin (1) in the roller Shaft.

### Phase 2:

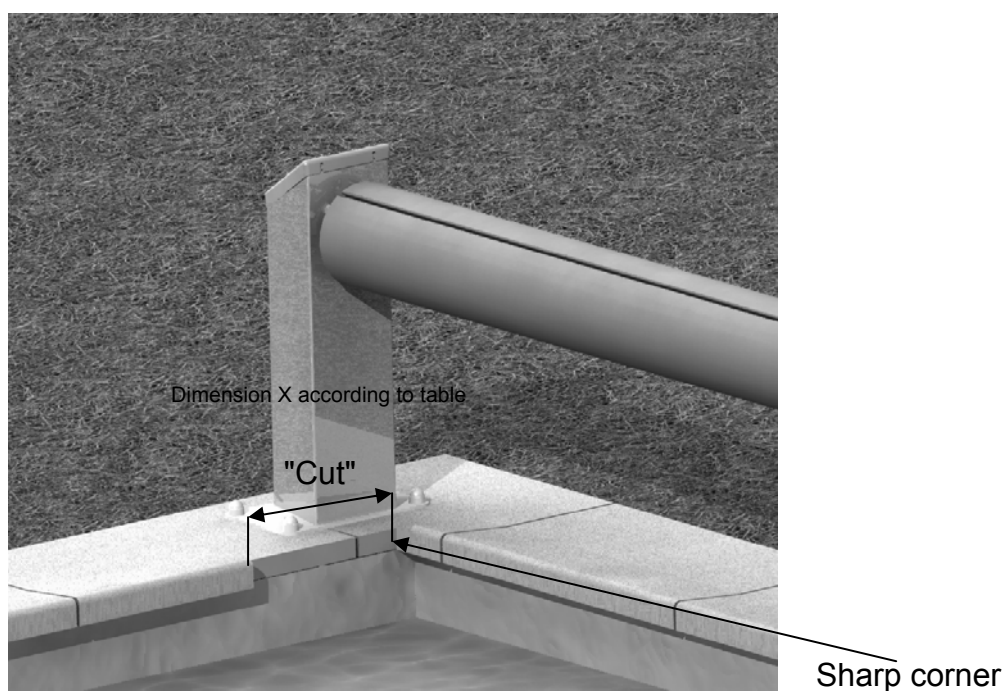
Put the bearing against the pin and push the whole Shaft in the stand.

### Phase 3:

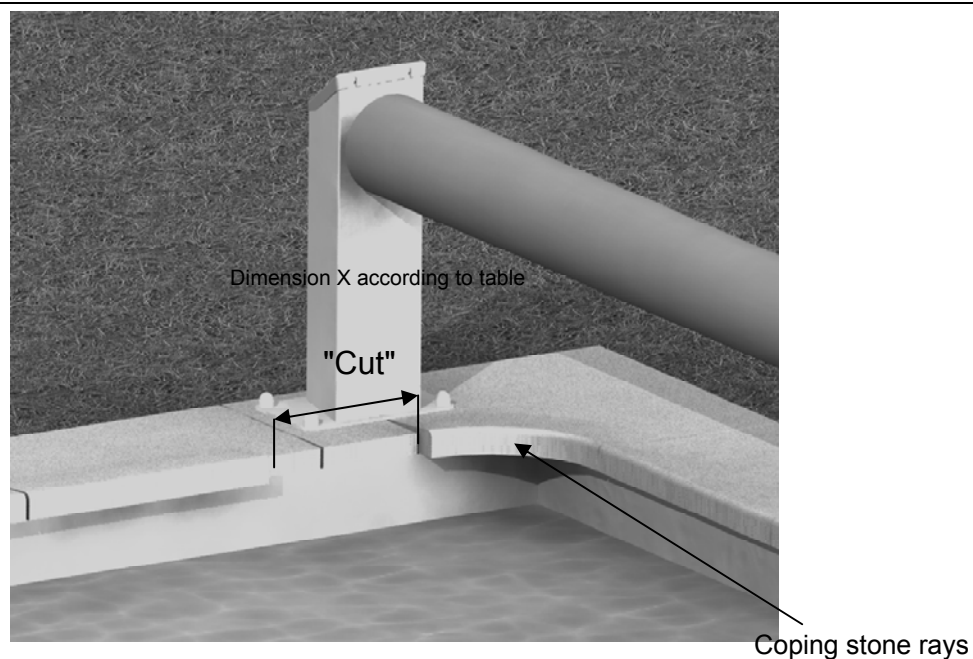
Put the two screws in the bearing wholes and fasten



## POSITIONING WITH SHARP CORNERS



## POSITIONING WITH RAYS

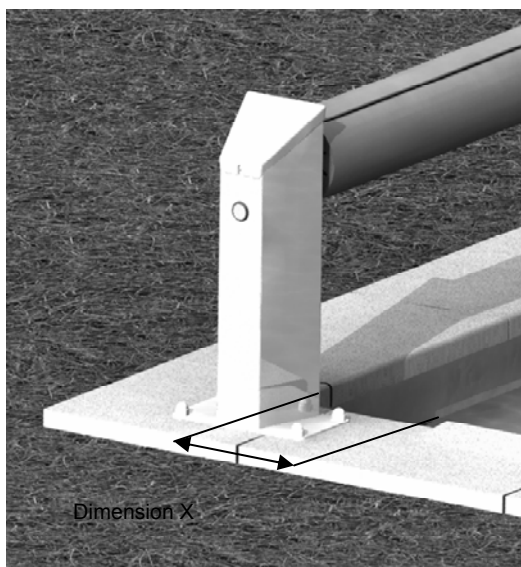


	POOL LENGTH						
Pool slats length	4 m	5 m	6 m	8 m	10 m	12 m	14 m
Dimension X in mm	210	210	250	250	300	300	310

**Dimension X:** Cut a piece of coping stone of variable length according to the diameter of slat roller, upon the roller shaft.

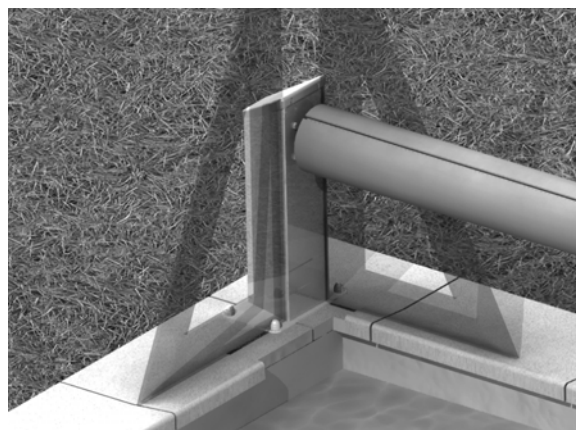
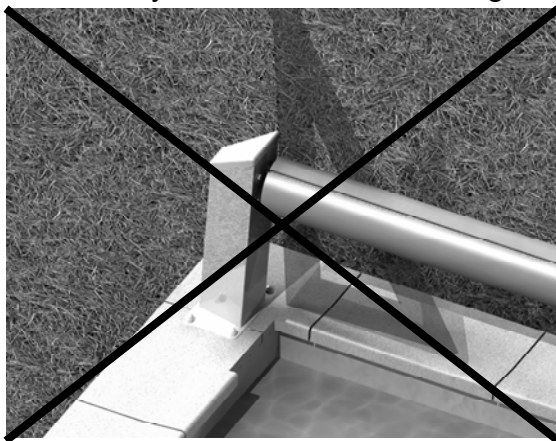
## ROLLER INSTALLATION

- Position the roller as indicated in the diagram, making sure it is properly centred with respect to the pool. **It must be perfectly horizontal when installed (diagonals dimensions)**.
- If there are rays, the roller should be pushed forward to the pool to enable the slats to lower properly in its full width.



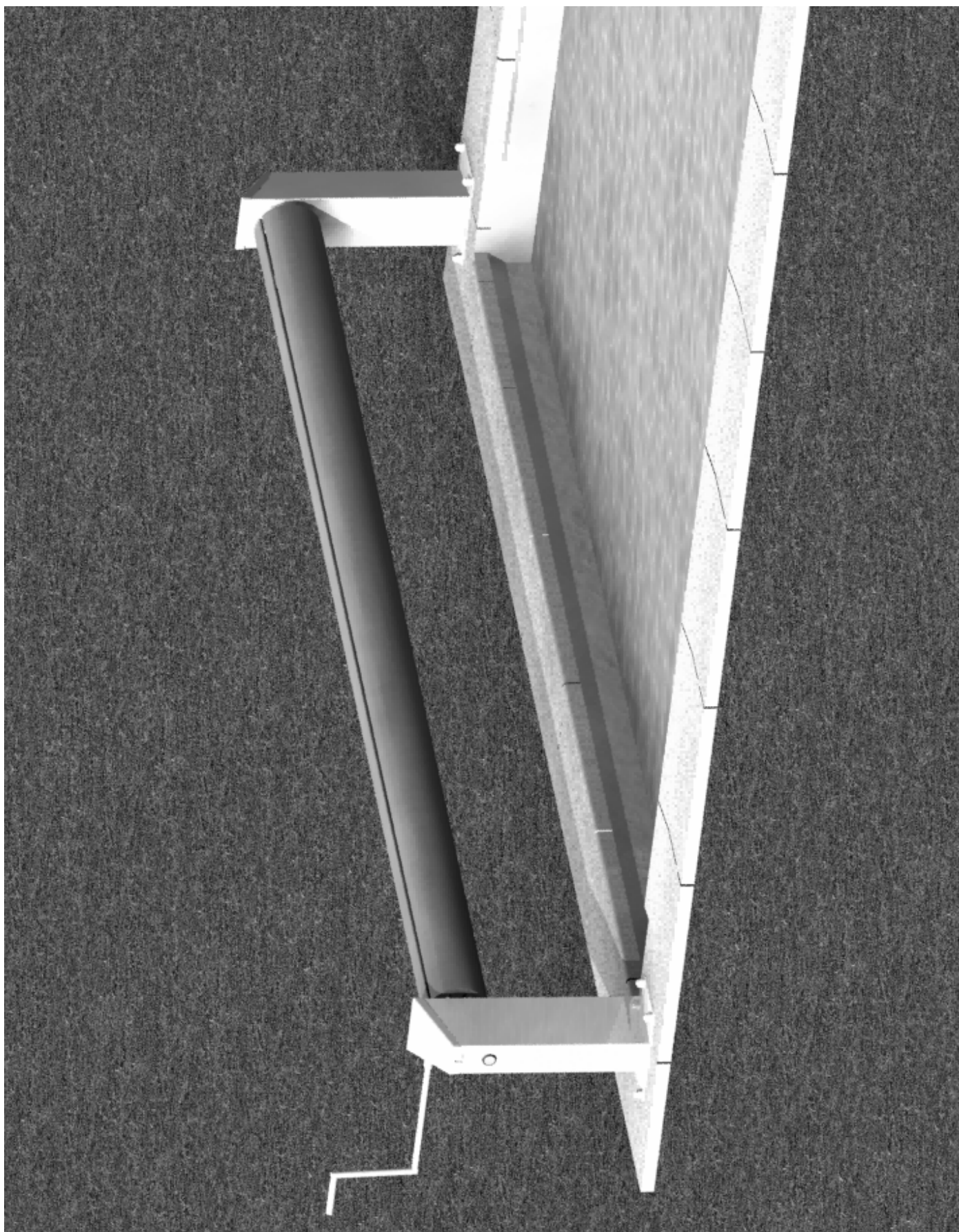
- Mark the position of the roller stand and polish or flatten the coping stone to obtain a flat horizontal, even surface for placing the stands.
- Cut the coping stone (dimension X) to make it easier for the slats to be lowered over the pool. Dimension X may vary according to the length of the pool; roller (roller diameter on the roller shaft). (See page 05/18 table dim. X).
- After assembling the roller and making the adjustments, position the two roller stands to the final position on the coping stone, using M10×75 Stainless Steel Bolts.

**Note:** If the skimmers are fixed along the length of the pool, we recommend replacing their existing flanges with 2 mm thickness Stainless Steel flanges to easier the slats way and avoid their blockage.



**Caution!** A forcing of the stands to bring back them level by the fastening bolts can hurt/destroy the back part of the motor reducer.

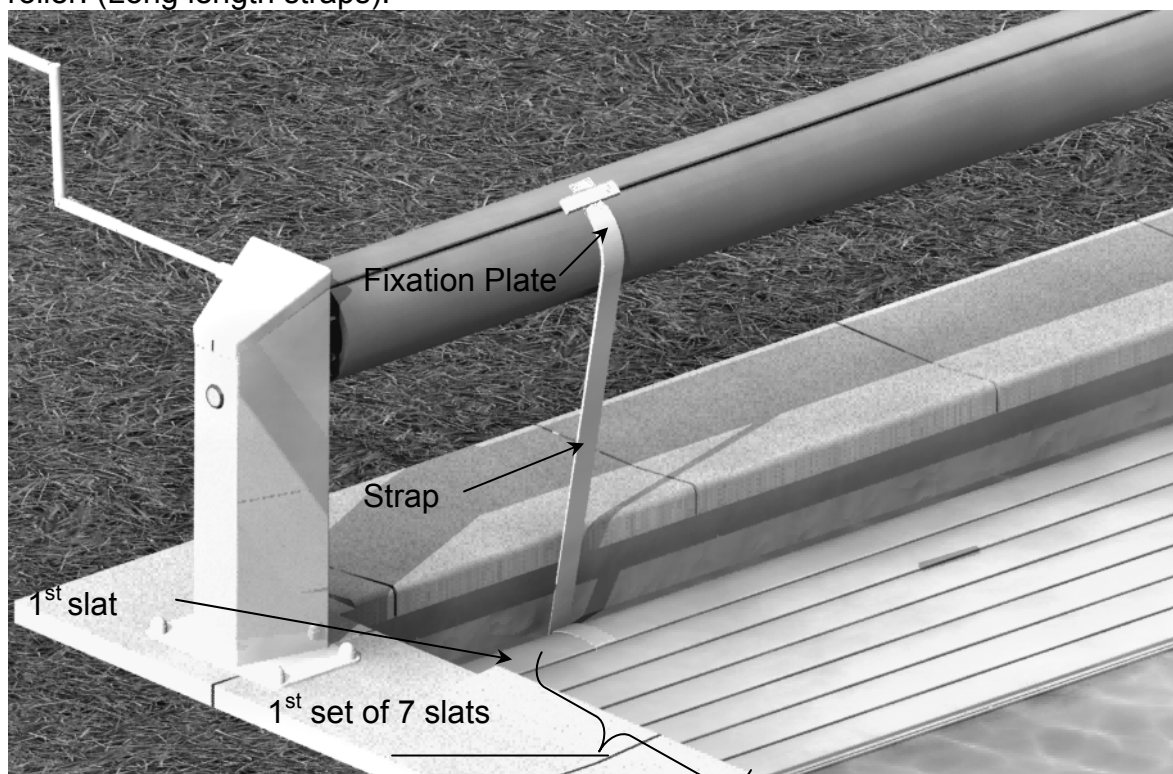






## SLATS ASSEMBLY

- \* Immediately after taking the slats out of the packaging, they should be put into the water to prevent any possible deformation.
- \*The number of slats has been determined according to the length of the pool, though there are 4 extra slats.
- \* The first set of slats is easily recognisable as it has the straps to be fastening to the roller. (Long length straps).



- \*Slide the strap under the fastening plates; tension it without pulling the slat out of the water
- \*Centre the cover in the pool leaving enough space on both sides.
- \*Tighten the attachment plates with a screwdriver



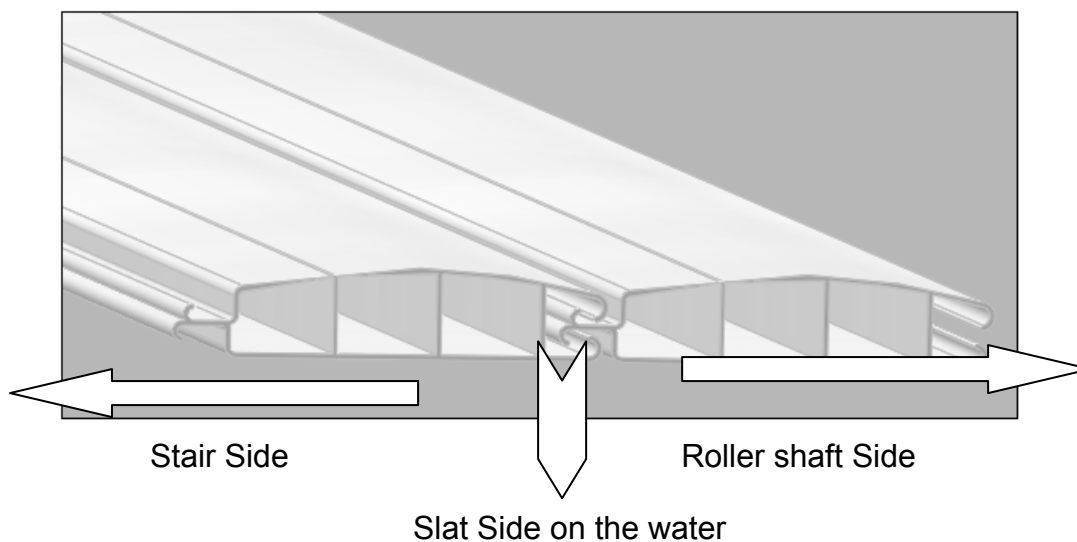
- \* Bring closer the set of 7 slats to assemble them.

**Note:** Slats should go down from the front of the roller shaft.

## SLATS DIRECTION

- \* Identify the upper side of the slats (curved side).
- \* Identify the slats direction:

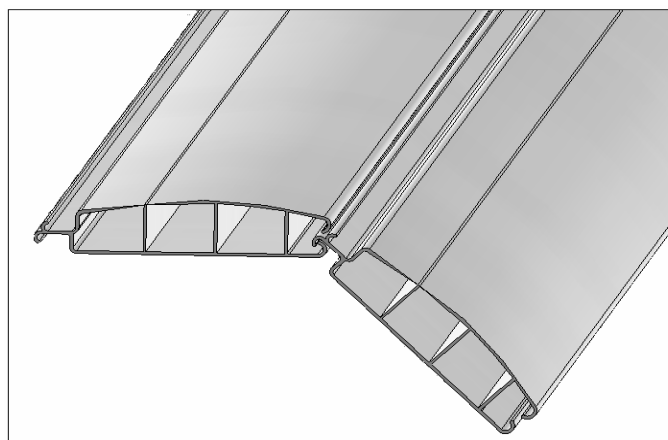
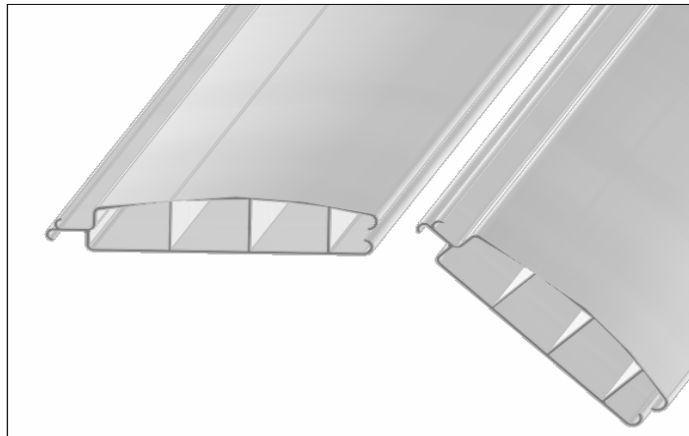
- Wing to the stair
- Groove to the roller shaft



## SLATS ASSEMBLING

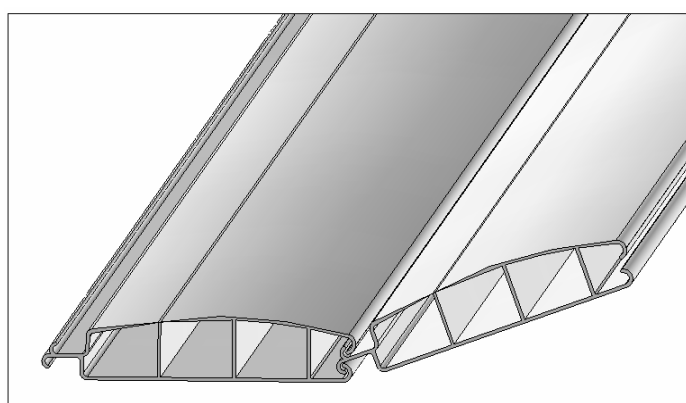
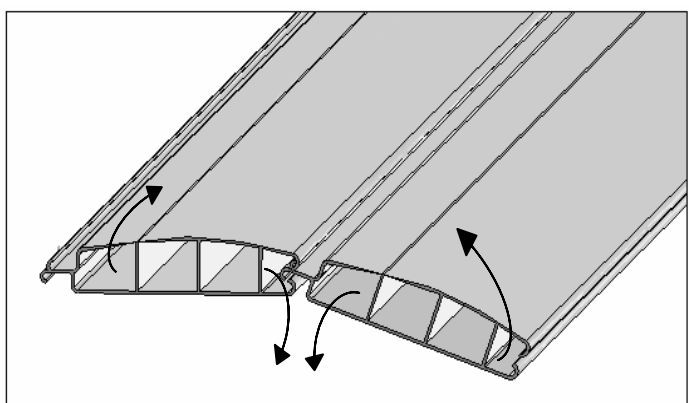
**Phase 1:** Join the slats

**Phase 2:** Join the wing to the groove

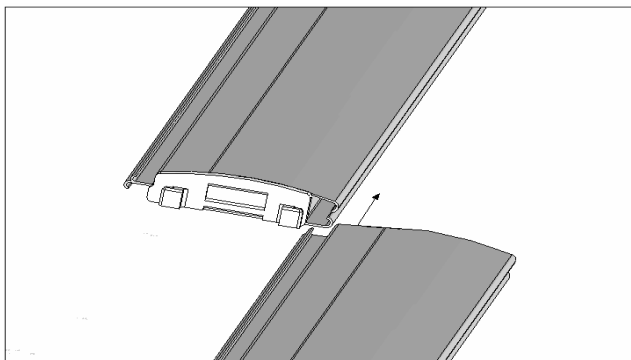


**Phase 3:** Move both slats down

**Phase 4:** Move them up and carry on with it until slats are perfectly engaged.

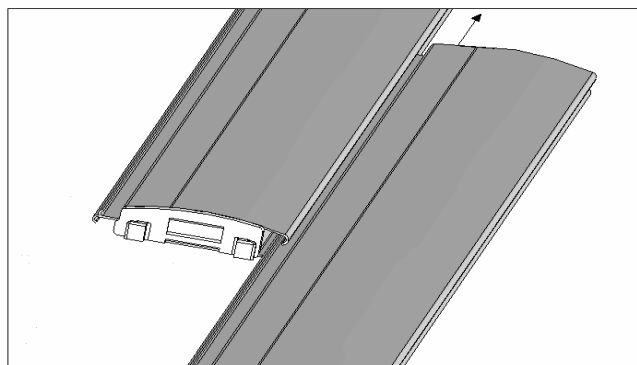


# ASSEMBLING OF SLATS WITH MELTED CAPS:



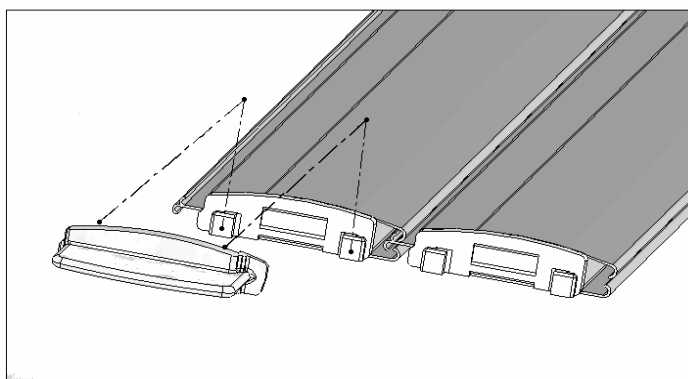
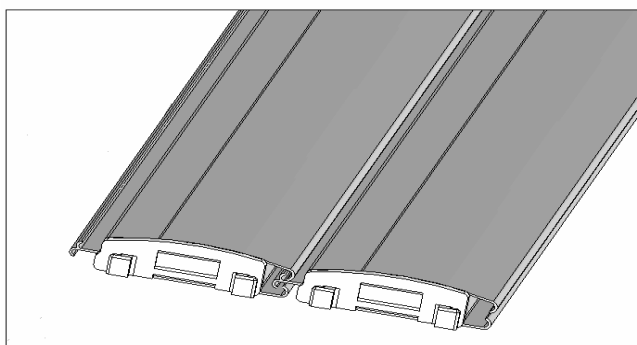
## **Phase 1:**

Place both slats (see above) wing to groove. Be careful with the slats direction.



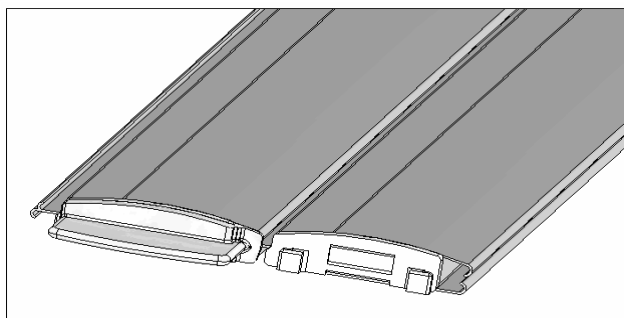
## **Phase 2:**

Slide the slats along. Stop it at the when the edges of of the slats are on line.



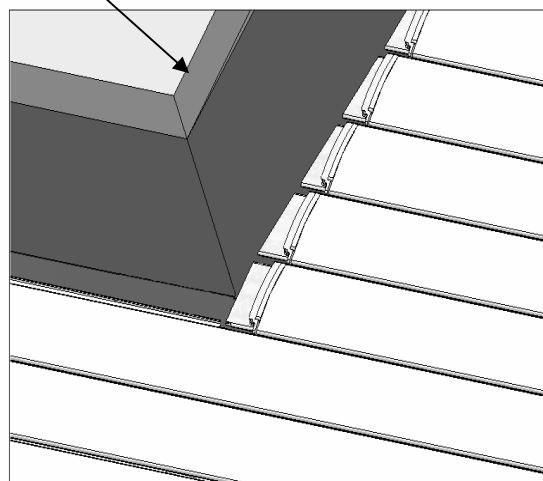
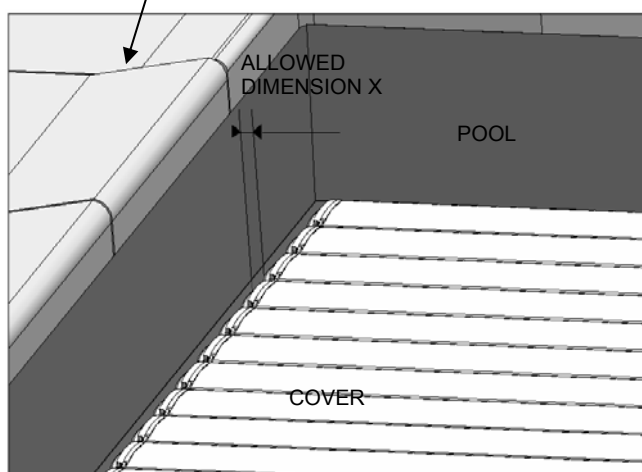
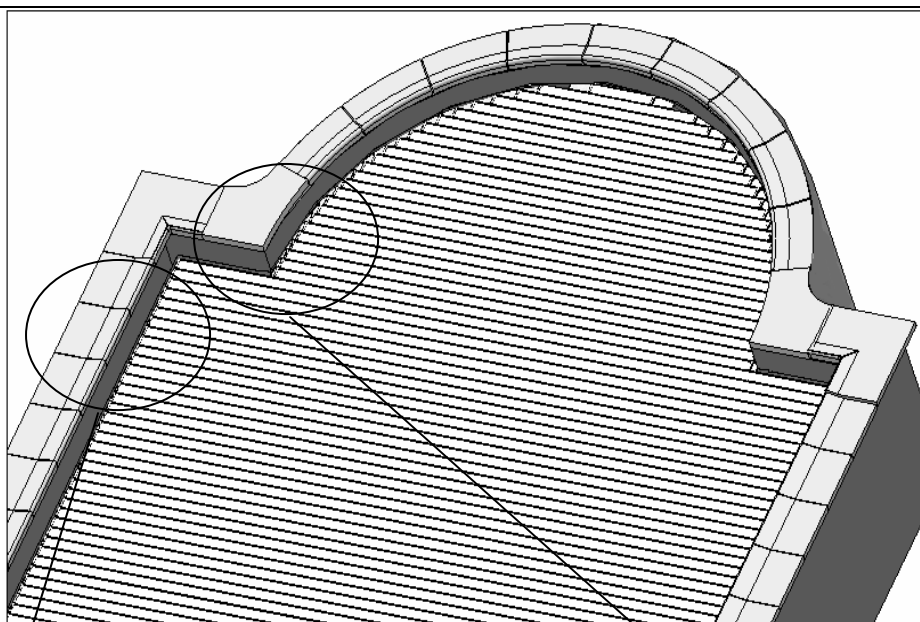
## **Phase 3:**

Place the removable wing on to the slat and assemble the wing on to the cap

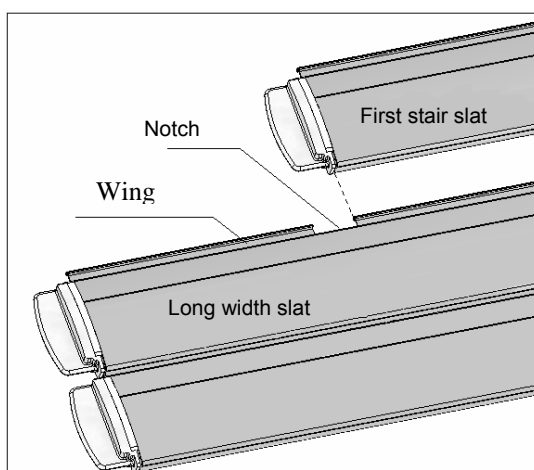


Do the same for the following ones.

## STAIR SETTING



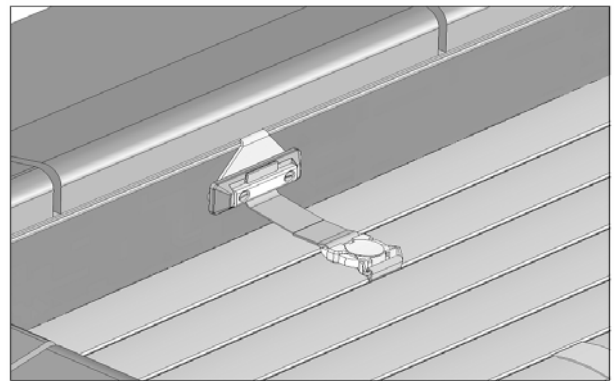
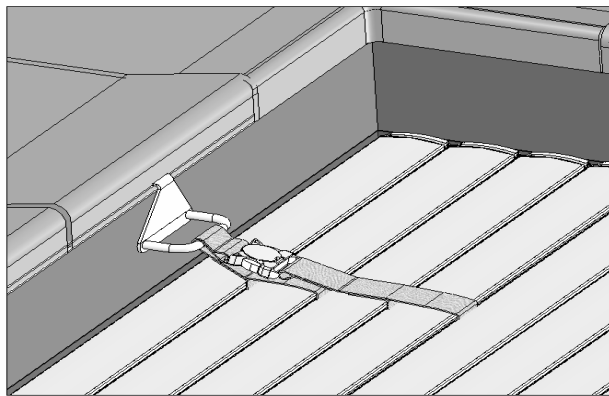
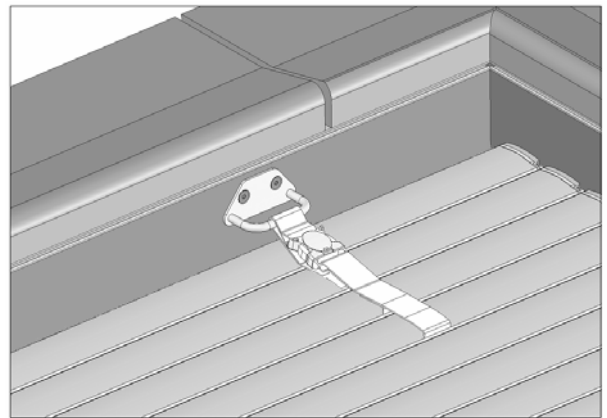
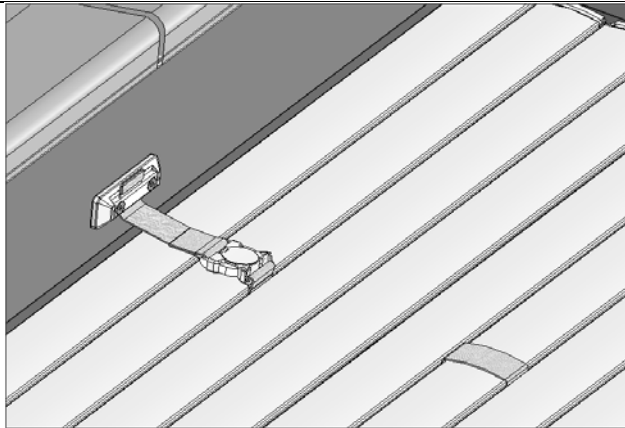
- 1°) Put the stair slats on the water
- 2°) Assemble the slats until the stairs are completely assembled.
- 3°) Centre the big width slats in the pool (allowed dimension X: from both sides of the pool)
- 4°) Centre the stair using this slat.



To assemble the stair slats to the pool slats, proceed as follows:

- Mark the position of both cap edges of the stair slat on the wing of the long width slat.
- Make two notches of a cap dimension on both sides of the stair on the wing of the long width slat without hurting the waterproof of the slat.

## BRACKET AND STRAP POSITION

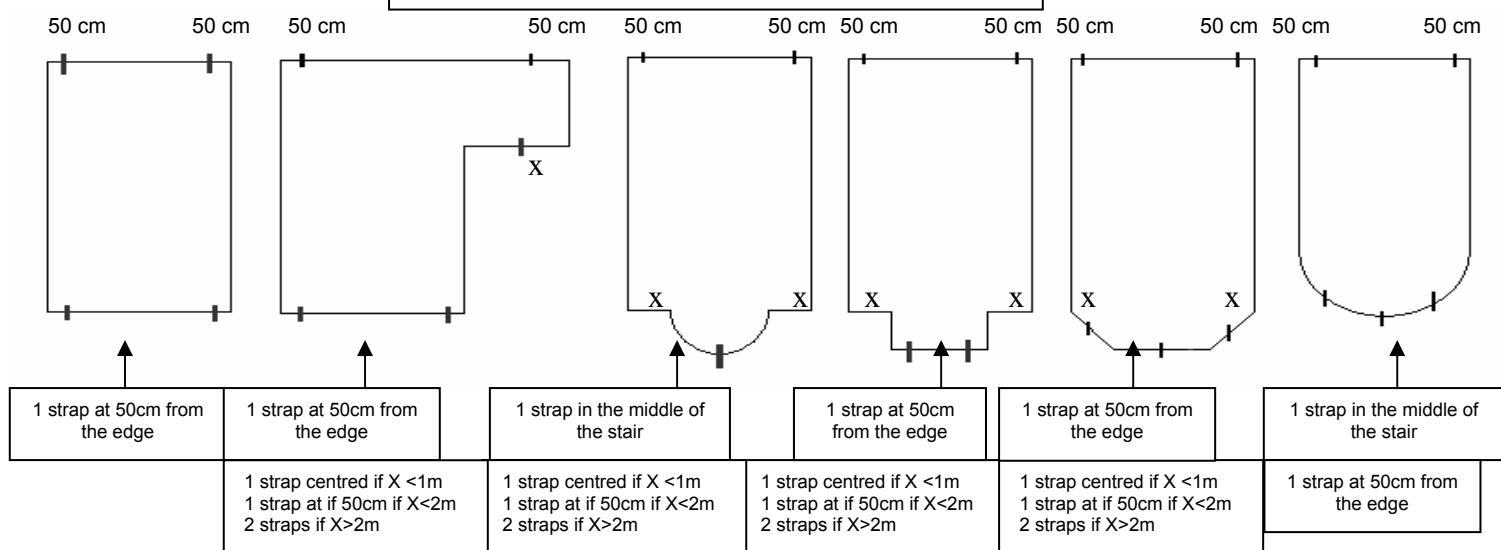


**Warning:** The position of the brackets is subject to the position of the skimmers in the pool. If these lasts bother the positioning of the safety Brackets, the positioning of the Brackets will be done taking into account the safety Brackets on the slats panels (If necessary move the straps)

## POSITION OF THE BRACKETS AND THE STRAPS

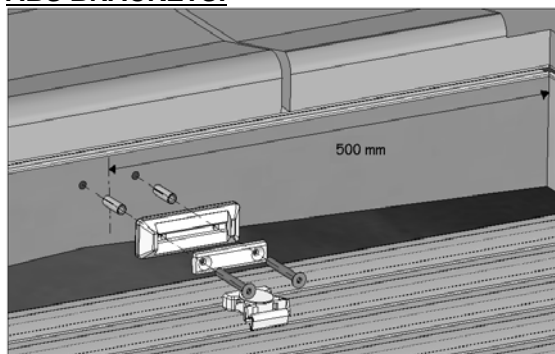
Fixed dimensions for all pools

Dimension width less or equal to 3m = 2 straps  
 Dimension width from 3 to 5m = 3 straps  
 Dimension width from 5 to 7m = 4 straps  
 Dimension width superior to 7 m = 5 straps

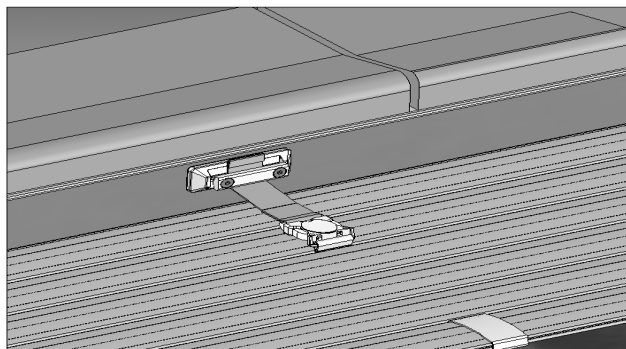


## SAFETY BRACKETS POSITIONING:

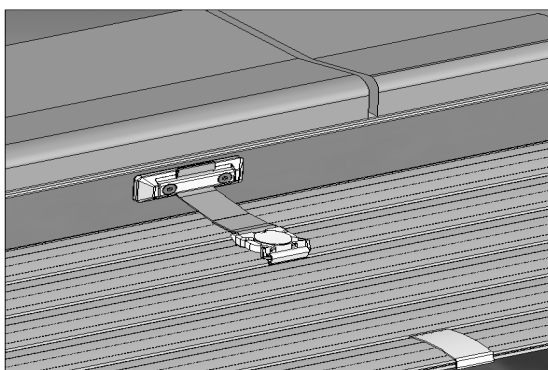
### ABS BRACKETS:



1) When positioning the brackets make sure the shaft of the brackets is placed at 500 mm from the edge of the pool.

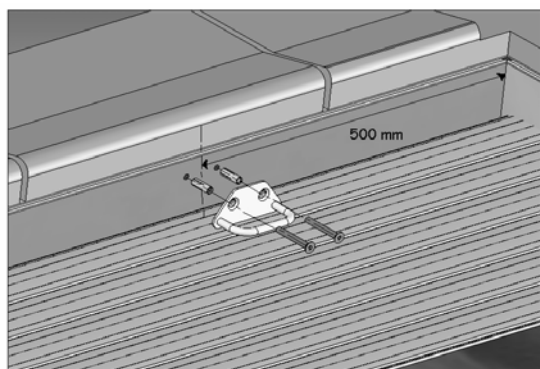


2) Pin the supports. Put the strap between the fixation plate and the bracket and keep the strap tense.

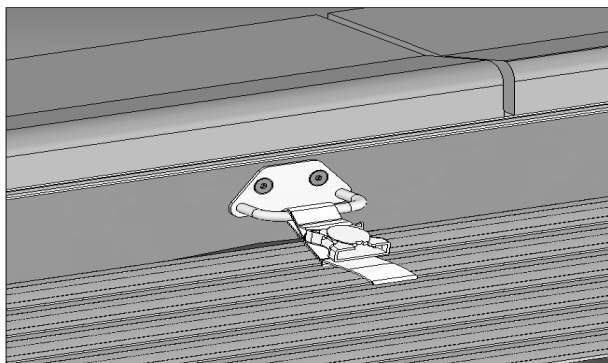


3) Tighten the screws until complete closing of the brackets.

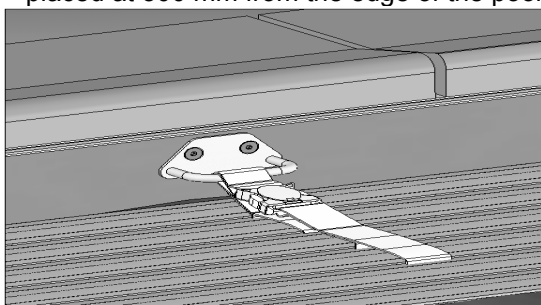
### Bracket Inox to be fixed to the wall + screws:



1) When positioning the safety brackets the shaft of the brackets must be return type placed at 500 mm from the edge of the pool.



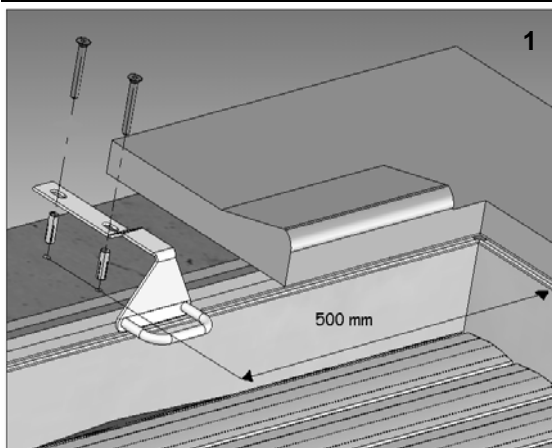
2) Screw the supports.  
Put the return safety strap.



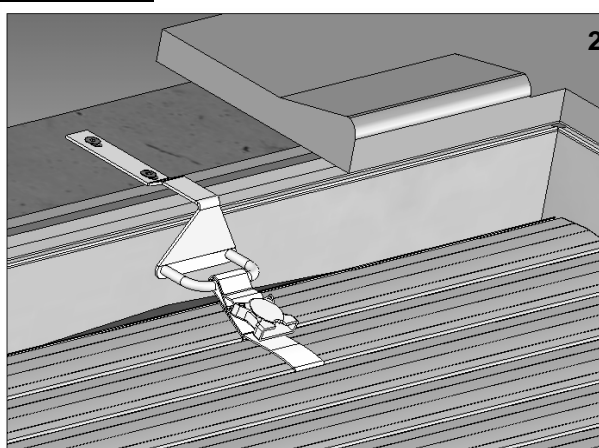
3) Clip both sides together.



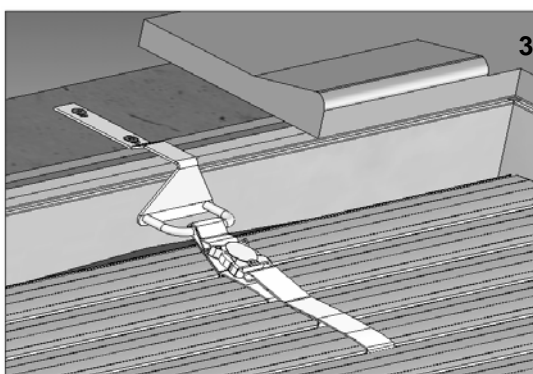
**Inox Bracket for model under construction + screws:**



1) When positioning the safety brackets, The shaft of the brackets must be put at 500 mm from the edge of the pool.

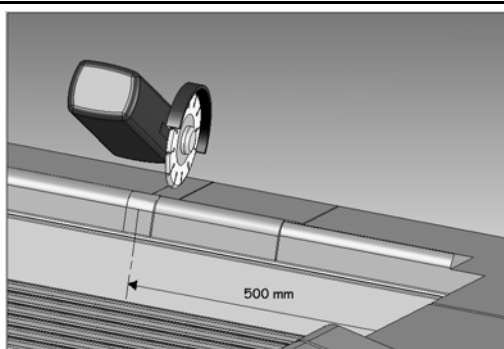


2) Put the pin M8 in the Ø10 wholes.  
Screw until complete closing of the brackets.  
Put the return safety strap in the brackets.

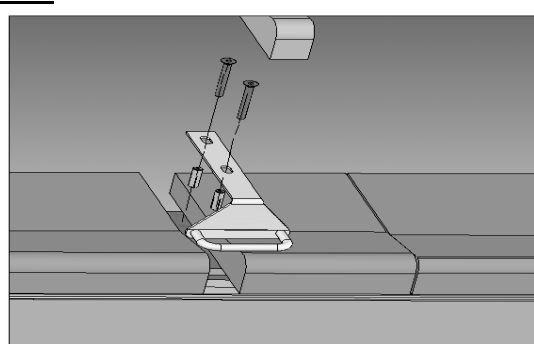
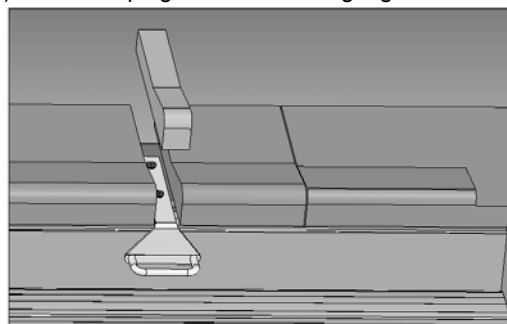


3) Clip both sides together.

**Inox Brackets for renovation model + screws:**

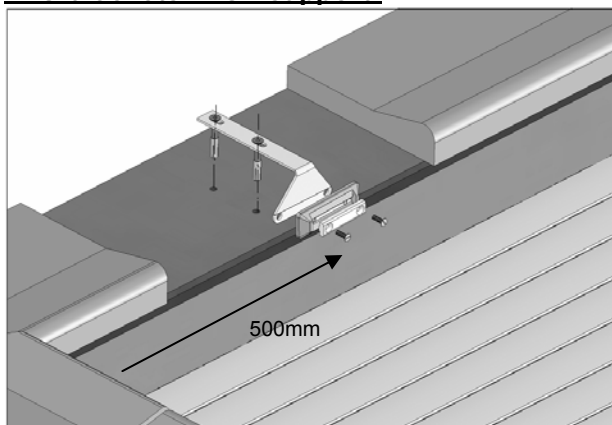


1) Cut the coping stone with a angle grinder

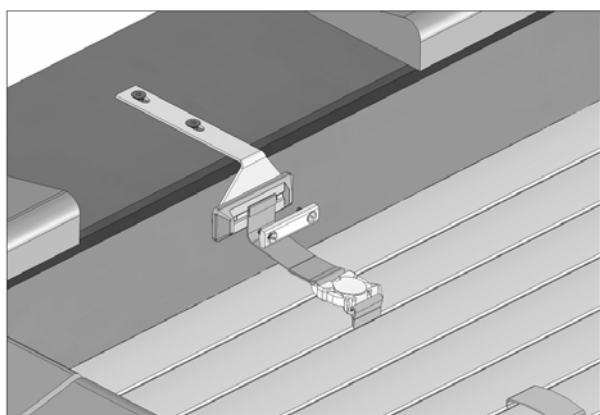


2) Make two Ø10 wholes. Place the M8 pin in the wholes. Screw until complete closing of the safety brackets.  
Put the straps through as per drawings 2 and 3.

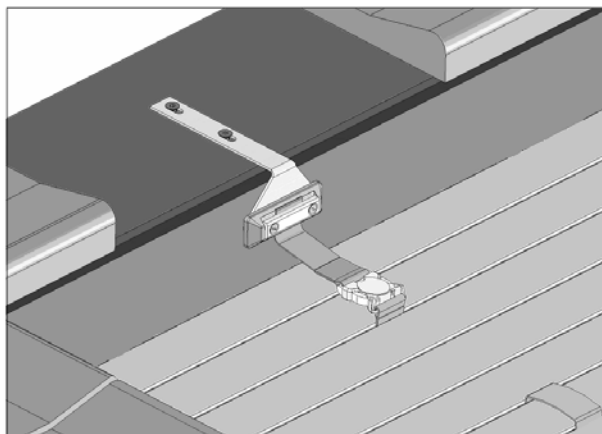
3) Replace the coping stone cut with an adequate product.

**ABS brackets INOX support:**

1) When placing the safety brackets, The shaft of the brackets must be placed at 500 mm from the edge of the pool.



2) Screw the supports. Put the strap through the fixation plate and the strap. Clip both sides of the strap and keep it tense.



3) Tighten the screws until complete closing of the brackets.



## ATTESTATION DE CONFORMITE

aux exigences de sécurité de la norme NF P 90-308 (mai 2004)

**Eléments de protection pour piscines enterrées non closes privatives à usage individuel ou collectif – Couvertures de sécurité et dispositifs d'accrochage**

*Certificate of Conformity with the safety requirements of NF P 90-308 (May 2004) Standard*

*Protective elements for in-ground, barrier-free, private or collective use swimming pools – Safety covers and securing devices*

Type de couverture de sécurité : **Couverture de type volet automatique**  
*Type of safety cover:*

Modèle : **CARLIT**  
*Model*

Fabricant : **EUROPEENNE DE COUVERTURE AUTOMATIQUE**  
*Manufacturer:* 661 rue J.B. Biot – Espace Polygone  
66000 PERPIGNAN

Demandeur de l'attestation : **EUROPEENNE DE COUVERTURE AUTOMATIQUE**  
*Applicant* 661 rue J.B. Biot – Espace Polygone  
66000 PERPIGNAN

Au vu du rapport d'examen sur dossier référencé **E020017/CQPE/6**, la couverture essayée est déclarée conforme aux exigences du document de référence.

*On the basis of the results contained in the report reference E020017 /CQPE/6, the safety cover tested is declared in conformity with the requirements of the above referenced document*



Trappes, le 2 novembre 2004

**Le Chef de la Division  
Produits pour l'Enfance**  
*Head of Childhood Products Division*



**Nicole COURCAULT**

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