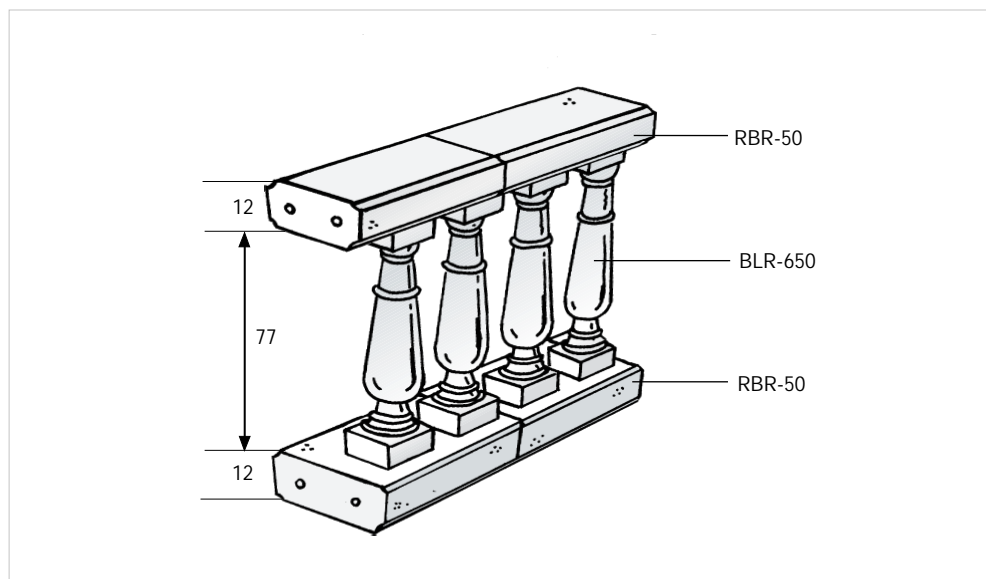


INSTALLATION INSTRUCTIONS

Serie-650, 650 TOP and 770 Balusters. Stairs. Round balcony.

• Baluster Fences:

The Serie-650, 650 TOP and 770 permit the construction of higher balustrades, thus increasing the security of fences and handrails.



Proceed in the same way in both series. The only difference in the Serie-770 is that the Classic Pier PBR-770 must be supplemented at the bottom and crowned with the right Classic Pier Cap, CBR-300N for classic piers located in the middle of a fence, CBR-300A for piers located in an angle, CBR-300U in ending piers.

Preparation before installing:

- A general diagram of the fence should be made. For fences over 2 m in length, it is advisable to reinforce the foundations with rods.
- The maximum distance between piers is 5 m.
- Install between 4.5 and 5 balusters per linear metre.

Material to be used:

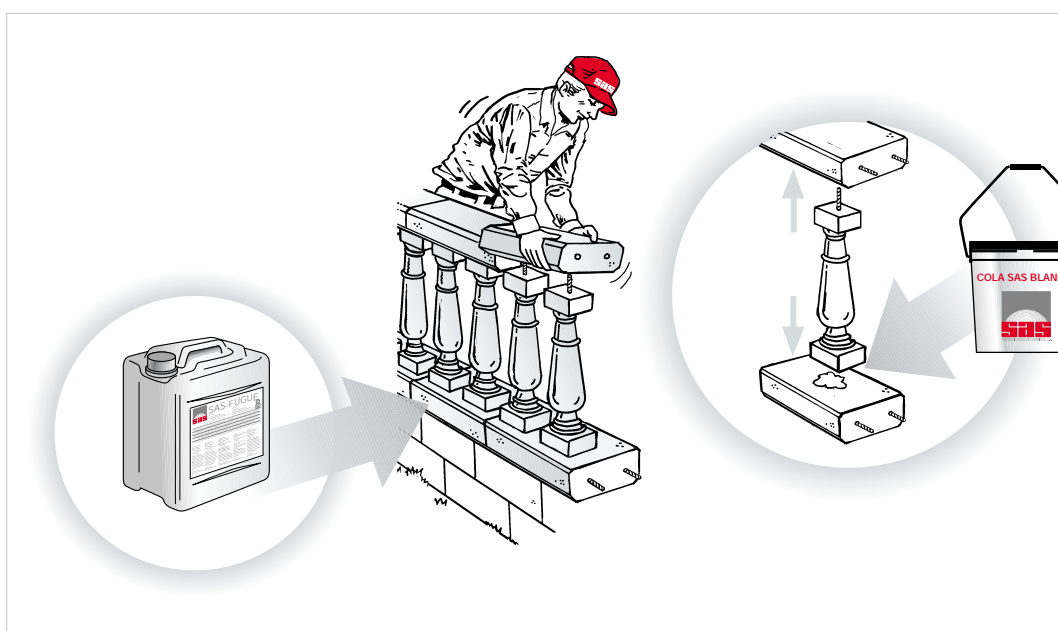
- For the balusters any model of the Serie-650, 650 TOP and 770.
- Classic Pier: Comprises four PBR-770 pieces.
- Pier caps: CBR-300 N, CBR-300 A, CBR-300 U, CBR-300 S, depending on whether it is an ending, angle, continuation, etc.
- Rail RBR-50, which may be installed as a plinth or handrail.
- Wedge block CBLR-2 which supplements the round baluster in

the building of stair handrails or sloping fences.

- RBR-5 is a 5 cm piece which supplements the RBR-50 rail where it fits the classic pillar, avoiding cuts with the grinder.
- Dowel pins: Ref. ARBR-50. They are used to join the RBR-50 rails, they are 55 mm long and 8 mm diameter.

Recommended products:

- "COLA-SAS" Tile Cement: It comes ready for use in our tins, just add water. Yield: Approximately 1 to 1.5 Kg. per linear metre of balustrade. Colour: Made only in white.
- We recommend the grey type A mortar to fill the classic pillar.
- SAS-FUGUE waterproof surface sealant: To provide extra protection after installation.



INSTALLATION INSTRUCTIONS

Installation:

1. The pieces of the CLASSIC PIER are installed wet. With the aid of the OUPBR tool, dry-mount the Classic Pier with 4 units of model PBR-770. The SAS mark inside each piece must be at the

300 N (for continuation Piers), or CBR-300 U (for end piers). Drill the RAILS that act as handrail and install them on the balusters after attaching the ARBR-50 dowel pins to them. The RBR-50 rails must be joined to each other using the ARBR-50 DOWEL PINS and the COLA-SAS tile cement.

RBR-5 is a 5 cm piece which supplements the RBR-50 rail where it fits the CLASSIC PIER, avoiding cuts with the grinder.

7. Once the balustrade is complete, point all joints with COLA-SAS. Allow 4 or 5 hours to pass and clean with a brush and damp cloth. Stick adhesive tape to both sides of the joints to protect the parts.

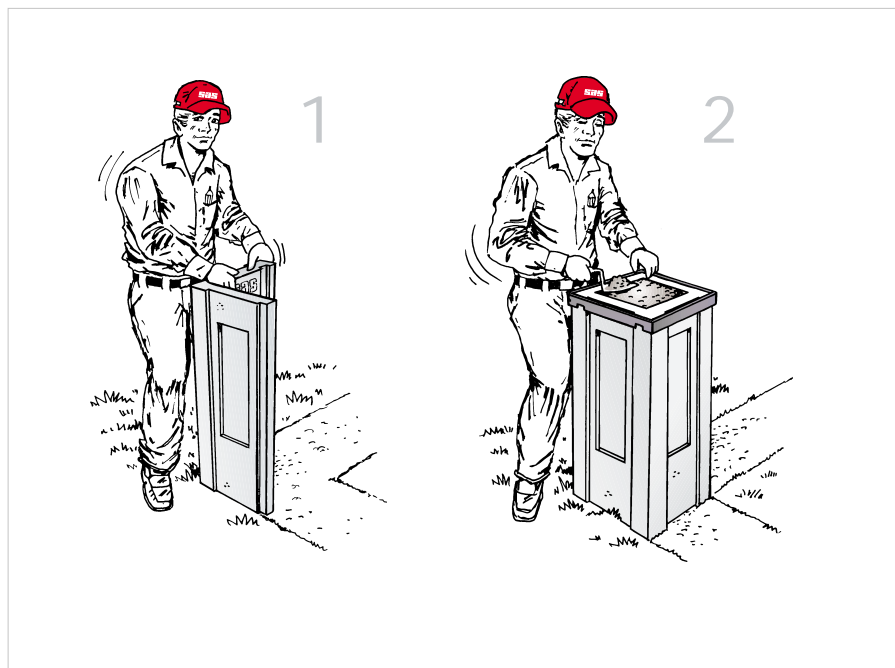
• Precautions to be taken into account:

Make a diagram with measurements before starting.

Do not install balustrades on freezing or very hot days.

Wet the whole unit 8 hours after installation and repeatedly for two days.

One week later, the whole unit may be painted with our SAS-FUGUE colourless surface waterproof sealant to afford it extra protection.



top. A Classic Pier should be installed every 5 m.

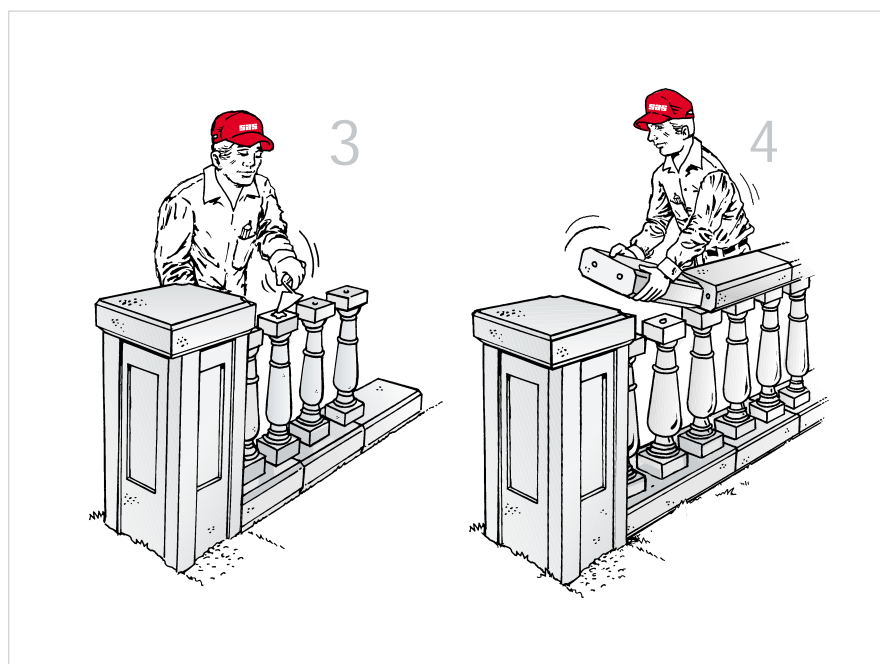
2. Fill the Classic Pier with type A mortar. If the mortar leaks out of the Pillar, clean it with a hose or clean water while it is soft.

3. Install the plinth with the RBR-50 RAIL, duly levelled, immediately. Install another CLASSIC PIER at the distance established.

4. Distribute the balustrades to be installed between the CLASSIC PIERS. We suggest a minimum of 4.5 pieces per linear metre. Install the balusters on the plinth with the help of the COLA-SAS tile cement.

5. Dispose, next to the plinth already in place, the RBR-50 rails, which shall be used as handrail in order to mark the holes to join the balusters. Use ARBR-50 dowel pins.

6. Install the PIER CAPS for CLASSIC PIER model CBR-300 A (for angle piers), CBR-

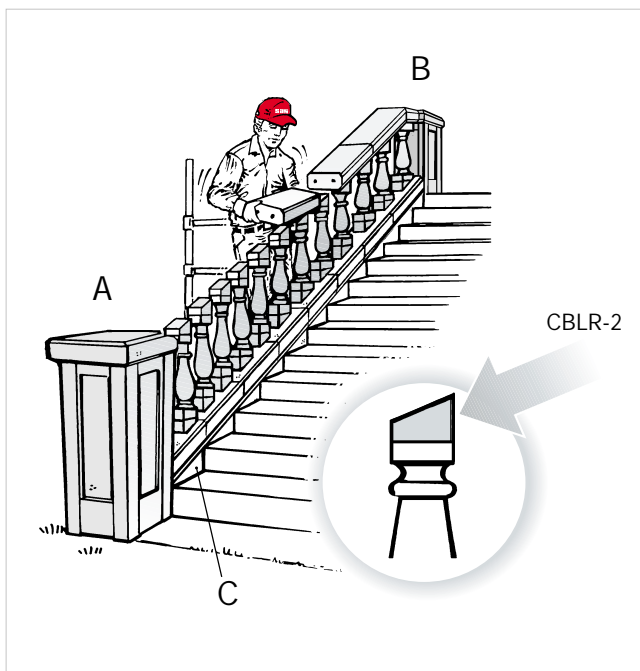


INSTALLATION INSTRUCTIONS

• Stairs:

Building a stair rail of the Serie-650 and 650 TOP:

1. Mount the top Classic Pier (B) first, placing it at the end of the last step. It must be reinforced if the height of the floor is more than 2 metres.
2. Install the RBR-50 Rail, which acts as plinth. Fit it to the vertices of the steps and fill space C with mortar. Use a grinder to cut the



Rails of the edge with the angle suited to the slope, so that they can be joined to the classic piers.

3. Join the rails by filling the holes with COLA-SAS tile cement, so that the dowel pin is totally embedded (ARBR-50).
4. Distribute the balusters to be installed for the stretch of stairs. Use Tile Cement to install the wedge blocks on Rail RBR-50 which acts as a plinth.
5. Once the wedge blocks are secured to the Rail (wait for at least 3 hours), place the balusters on the wedge blocks.
6. On completing the aforementioned operation install the top wedge block on the capital of the baluster.
7. Mount the Classic Pier (A). Reinforce it if necessary.
8. Install the classic Pier cap of Pier A
9. Once the whole ensemble of wedges and balusters are secure, install the top Rail RBR-50 and reinforce it to the classic pier cap.

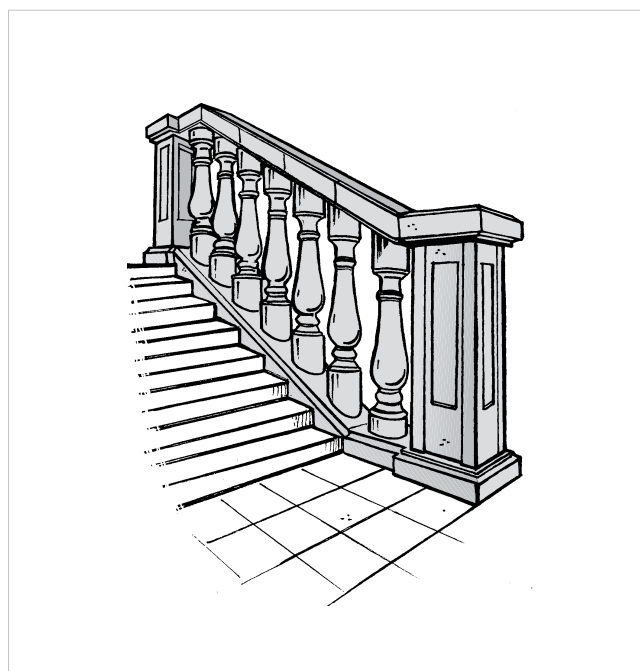
Building a stair rail of the Serie-770:

To build a stair rail of the Serie-770, install a classic Pier Cap piece as the plinth of the Classic Pier and proceed as in serie-650.

It may also be that the balusters of the stair are located directly above the step and no bottom wedge block is needed. In this case, fit the balusters to the step and place the top wedge on the capital. Finally, once the whole ensemble of wedges and balusters is secure, install the top Rail RBR-50 and fix it to the classic Pier Cap.

• Precautions to be taken into account:

- Make a diagram before starting.
- Wedge blocks work well for stairs between 25/35°. The joint will be the medium for adjusting them to the slope of the stairs.
- Do not install in very hot or very cold days.
- To reinforce the classic Piers use 10/12 mm diameter reinforcement bars.
- Wet the Classic Piers 8 hours after installing them.
- After a week, and once the whole fence is dry, paint the unit with our SAS-FUGUE colourless surface waterproof sealant.
- See our installation instructions for round balusters and accessories.



INSTALLATION INSTRUCTIONS

• Round balcony:

Building a round balcony with the Series-650, 650 TOP and 770:

• Our RBR-25-R RBR-100-R RBR-300-R round rails form an inside circumference with a diameter of 50, 100 and 300 cm, respectively. In any case, different larger or smaller diameters can be obtained by playing with the joints.

• We shall begin by installing the bottom round Rail (RBR-25-R, RBR-100-R, RBR-300-R) which acts as a plinth. Join the rails by filling the holes with tile cement, so that the dowel pin is totally embedded (ARBR-50).

• Use the joints or cut the pieces to adjust the circumference arc we require.

• Mount the Classic Piers.

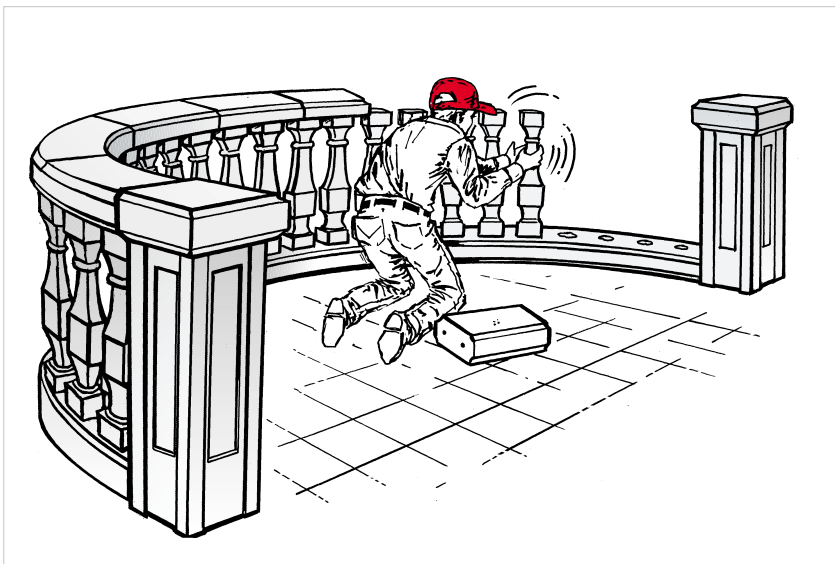
• Distribute balusters to be installed between the piers.

• Once the balusters have been secured to the plinth install the top Rail which is to be joined to the Classic Pier Cap.

• Join the Rails with tile cement, so that the dowel pin is totally embedded.

• Precautions to be taken into account:

- Make a diagram before starting.
- Do not install in very hot or very cold days.
- To "reinforce" the Classic Piers use 10/12 mm-diameter corru-



gated rods.

- Wet the Classic Piers 8 hours after installing them.
- After a week, and once it is dry, paint the unit with our SAS-FUGUE colourless surface waterproof sealant.
- See our installation instructions for balusters and accessories.

