Leviat
A CRH COMPANY

PLAKA

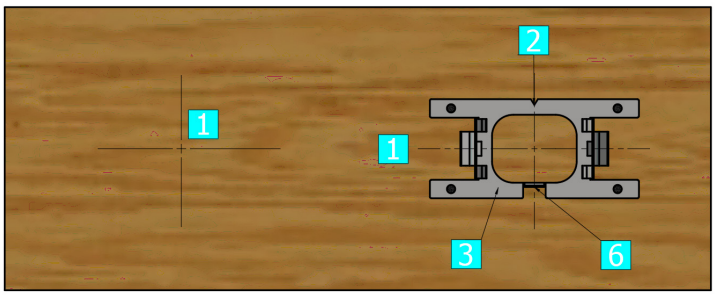
Plaka Titan – Dowel for transferring shear load in expansion joints ATec n° 3.1/15-819_V2

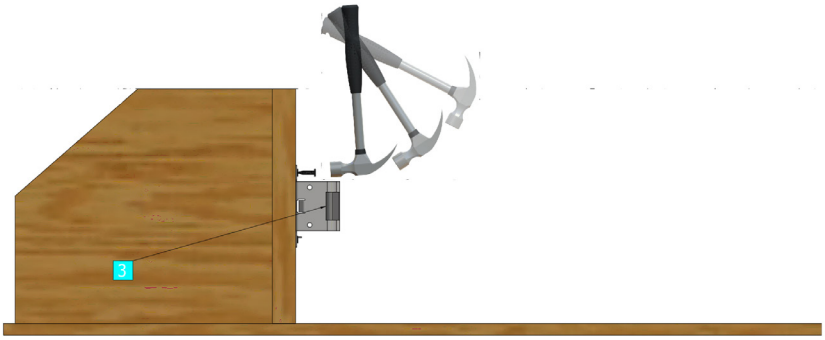
Installation instructions

Step 1

First phase of concreting; nailing of fastening flange

- Level and secure the abutment formwork.
- Mark the axes 1 and nail the flange 3 to the mark 2 ; stop 6 facing downwards.

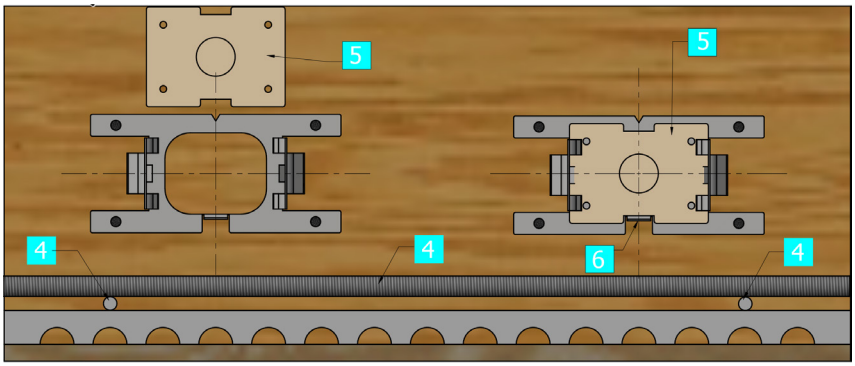




Step 2

First concreting phase ; installation of sleeves

- Lay the lower reinforcement for slab 4.
- Slide the sleeves 5 without removing the labels, into the flange guides as far as the stop 6.



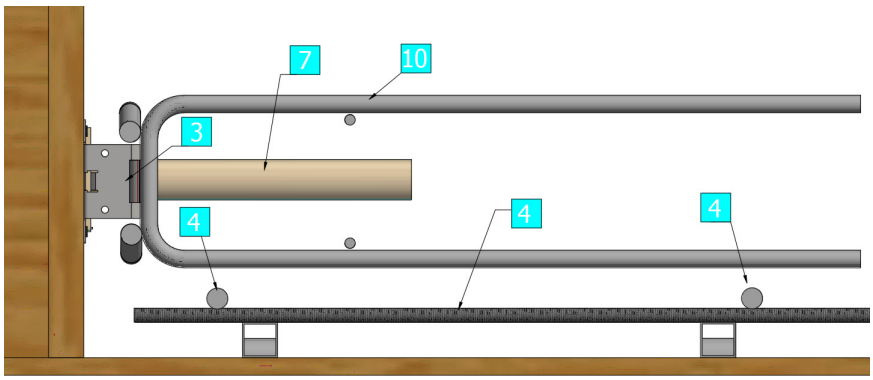
Plaka Titan

Installation instructions

Step 3

First concreting phase; installation of TITAN integrated reinforcement on flange – if applicable

- Slide on the TITAN integrated reinforcement 10 and clip it onto the flange 3.
- The levelness of the sleeve 7 will be checked.
- Install the remaining reinforcement and pour concrete on the sleeve side.



Step 4

Second concreting phase

- Remove the abutment formwork and lay the compressible material 11.
- If needed, create a perforated section at the bottom of the compressible panel to fit the dimensions of the fire stop seal.
- Lay the lower reinforcement for the slab.
- Insert the TITAN dowel 12 up to the sleeve depth stop.
- If applicable, clip the TITAN integrated reinforcement 10 on the flange 3 equipped with its centring capsule, slide the assembly onto the dowel 12.
- Install the other recommended reinforcement and, if an integrated TITAN reinforcement is used, tie it to the slab reinforcement before concreting the second phase.
- If necessary, remove the lower portion of the compressible panel after dismantling the formwork to create a recess where the firestop seal will be inserted, following the installation instructions.