BELL BLOCK INSTALLATION PROCEDURE

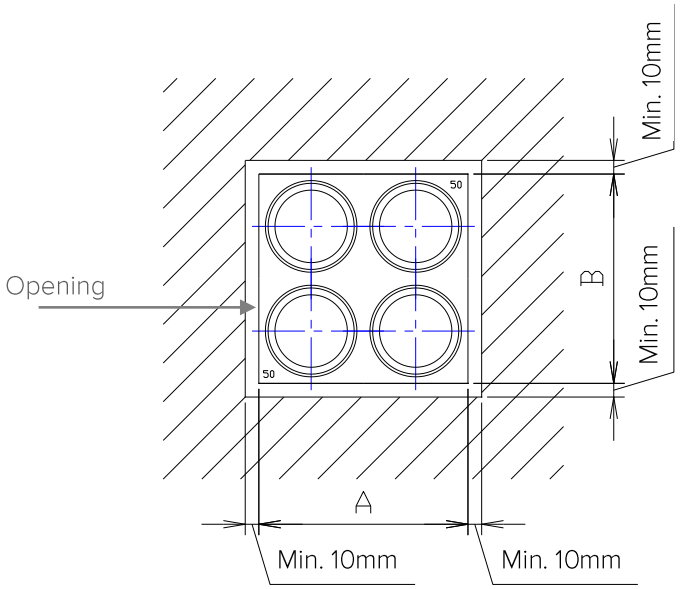
This concrete resin Bell Block can be used as an interface between EFLEX and concrete or polymer chambers/catchpits.

Available in 1, 2, 3, 4, 5, 6 and 9-way profiles. Built-in female connectors.

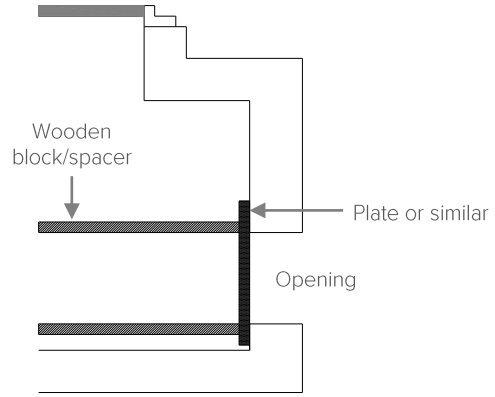
INSTALLING INTO CONCRETE CHAMBER

1 Cut an opening in the chamber according to fig.1

fig.1

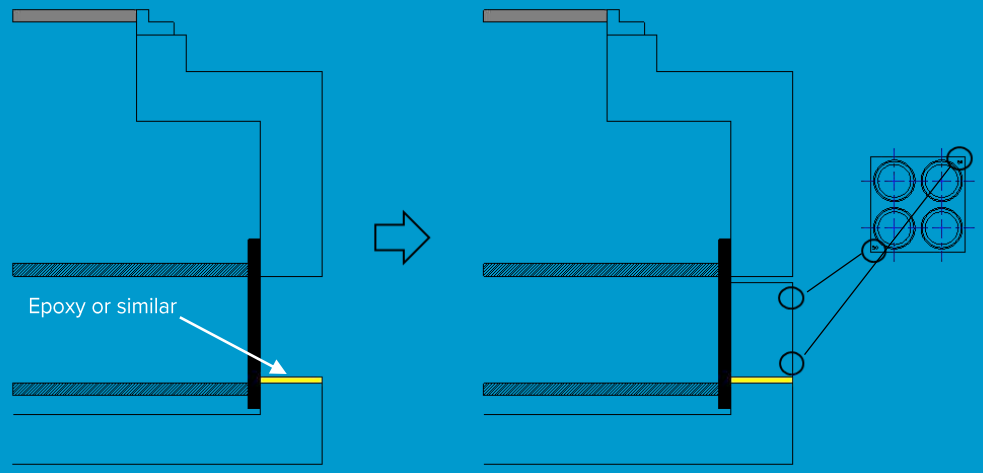


2 Cover the single opening on the inside of the chamber with a plate or similar and hold it in place with a wooden block/spacer or similar, while work is carried out.

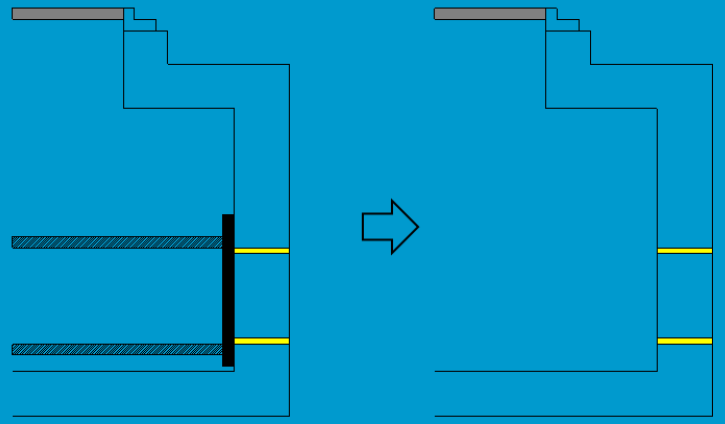


EFLEX SQUARE
A FURUKAWA ELECTRIC PRODUCT

3 Ensure the area is free from dirt/debris and apply epoxy putty or similar to the base of the opening (highlighted yellow) and insert the Bell Block ensuring that the side that has the diameter markings is on the outside.



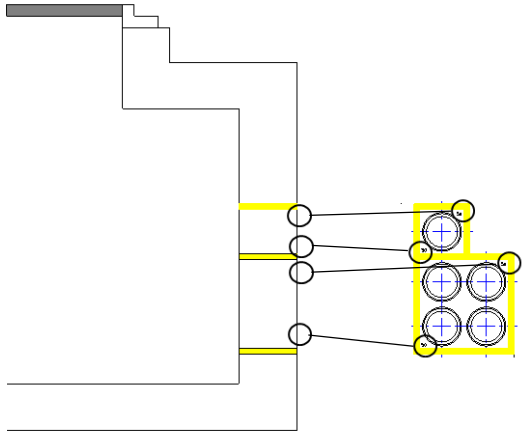
4 Fill the gap above the Bell Block with epoxy putty or similar. It may be necessary to use a space to fill the gap if too large. Ensure that the bell block connectors are free from putty to ensure a secure connection to EFLEX Square. If a watertight seal is required apply epoxy putty or similar around the edge of the Bell Block on both the inside and the outside of the chamber. Masking tape can be used to prevent concrete entering the bell block connectors.



INSTALLING MULTIPLE BELL BLOCKS INTO CONCRETE CHAMBERS

NOTE

When installing a Bell Block directly above another, use epoxy putty or similar between the bell blocks. Ensure that there are no gaps to maintain water tightness if required. Ensure that the bell block connectors are free from putty to ensure a secure connection to EFLEX Square. Insert the Bell Blocks ensuring that the side that has the diameter markings is on the outside.



NOTE

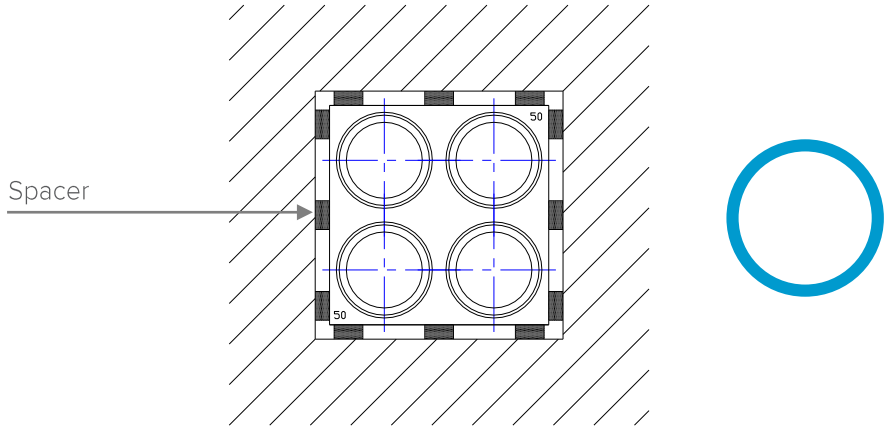
- Ensure that the bell block is not chipped or broken during and following installation.
- Ensure that the epoxy putty and debris does not adhere to the inside of the bell block female connectors.
- Pay attention to the orientation of the bell block when installing. The surface which displays the nominal diameter (50 – 150) should be on the outside of the chamber.
- If the bell block and chamber wall are a different thickness. Additional procedures will be required. Please contact us in such scenario.

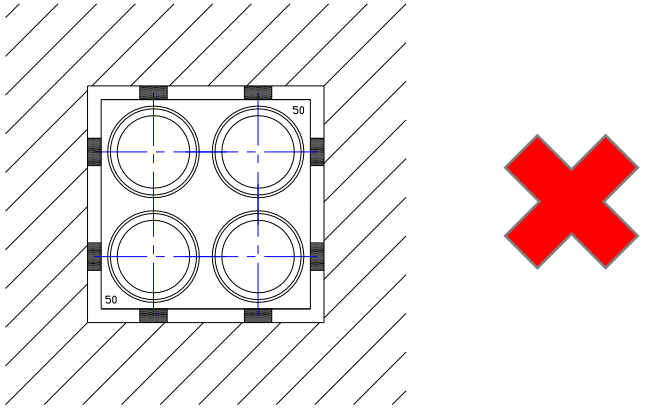
EFLEX SQUARE
A FURUKAWA ELECTRIC PRODUCT

INSTALLING A BELL BLOCK INTO CONCRETE CHAMBERS USING SPACERS

NOTE

When using spacers to hold the bell block in place while work is completed, ensure that the spacers are inserted next to the thickest sections of the Bell Block to avoid unwanted damage.

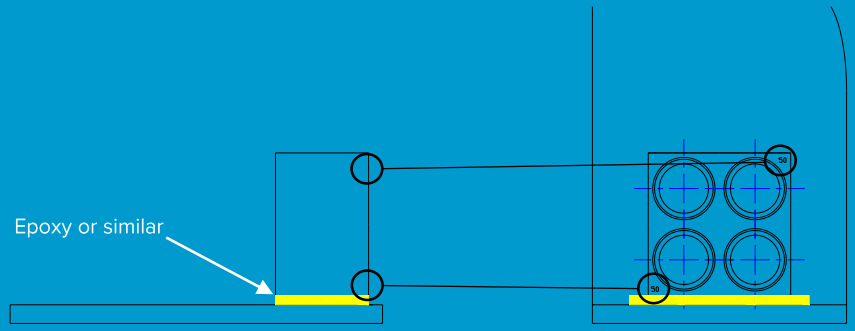




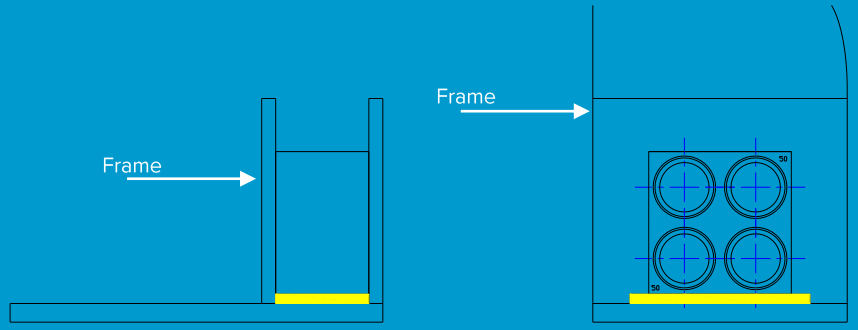
EFLEX SQUARE
A FURUKAWA ELECTRIC PRODUCT

INSTALLING A BELL BLOCK IN CONCRETE (TUNNEL EXAMPLE)

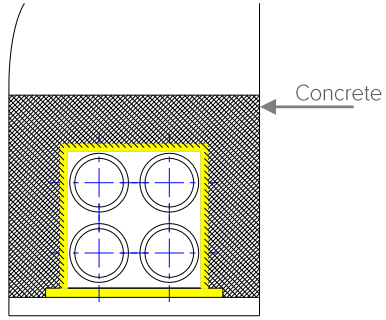
1. Place the bell block in the desired position. Apply epoxy putty or similar to the ground surface (highlighted yellow), ensuring even application. The diameter markings on the bell block should be on the outside of the construction.

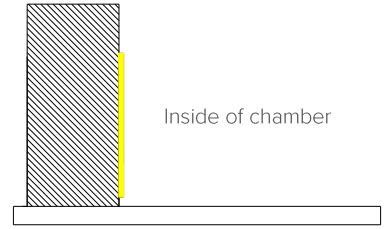


2. Set a frame, to sandwich the Bell Block. Ensure the frame is flush with the Bell Block and that there are no gaps. If necessary mask off the female connectors on the Bell Block to stop dirt/debris or concrete entering the connectors. Ensure the bell block does not move during concrete curing.



3. Pour concrete into the frame and ensure there are no leaks. When cured, remove the frame. If a watertight seal is required, apply epoxy putty or similar around the edge of the Bell Block on both the inside and outside of the construction (highlighted yellow)





NOTE
- Check the Bell Block for cracks or damage during and after installation.
- Pay attention to the orientation of the bell block when installing. The surface which displays the nominal diameter (50 – 150) should be on the outside of the chamber.
- Avoid strong impact forces.

EFLEX SQUARE
A FURUKAWA ELECTRIC PRODUCT