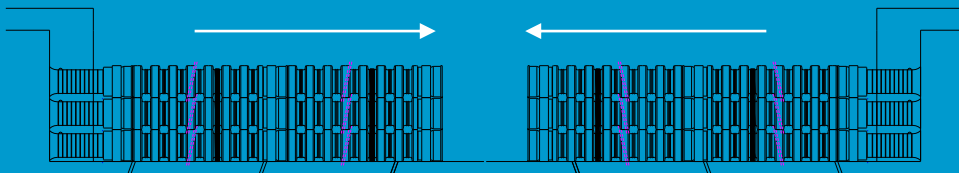


EFLEX SQUARE DUCT INSTALLATION

- 1 Dig a trench according to the EFLEX Square size and stack configuration. The trench width and burial depth is determined by the installer and project requirements.
- 2 Prepare a 50mm deep bed of sand or fine soil in the base of the trench and compact to a flat level surface. Ensure that the floor of the trench is at the same level as the access chamber/catchpit interface.
- 3 EFLEX Square units should be connected to the chambers or termination points at either end of each section first. Installation is made in a direction from the termination points to the centre of the duct section, so that the EFLEX Square units meet at the centre point.



NOTE

- Ensure that the sand/soil underneath the EFLEX Square ducts is sufficiently compacted. If the pressure is insufficient, the ducts may bend after backfilling, and the test rod or cable may not pass through.

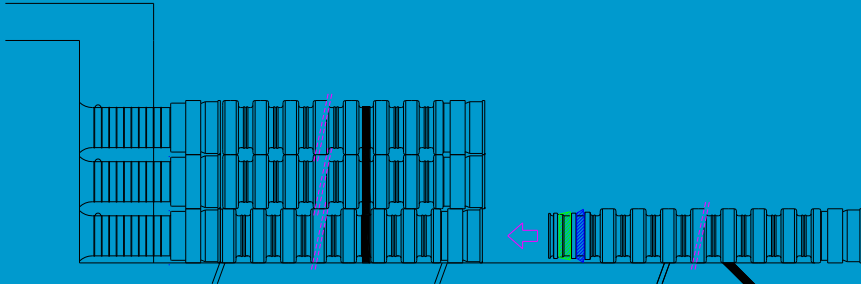


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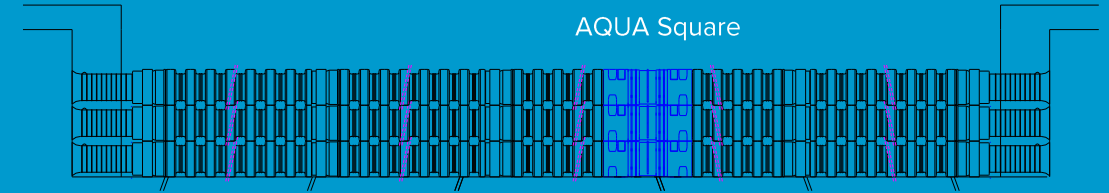
4 A nylon wire or string should be placed on the bottom of the trench at 1m intervals. Once a 5.25m stack is completed this wire is used to hold the stack securely in place until backfilling.

5 Connect the male end of EFLEX Square to the chambers or termination points using the required accessory (AQUA Connector, Long Bell Mouth etc). Always start with the lowest duct first, building the stack from the bottom up.

6 Build a 5.25m stack according to the project and desired stack configuration, secure with the nylon wire/string and repeat the process for the next 5.25m section.



7 When the EFLEX Square ducts meet at the centre point of the section, the length can be adjusted and the AQUA Square accessory is used to complete the installation (see AQUA Square connection procedure on page 9).



8 Backfilling and compaction

We recommend backfilling after 3-4 layers of EFLEX Square are installed. If installing more EFLEX Square layers on top of an installed 3-4 layer stack, clear the sand/soil from the top surface of the installed stack and begin installing the next layers.

- Use sand or high-quality soil for backfilling. Once the EFLEX Square is covered, the original excavated earth/soil can be used to fill the remainder of the trench.
- Do not introduce large amounts of backfilling material at once. Fill the material from both sides of the ducts in a balanced manner gradually to ensure that the ducts do not move, ensuring the sand/soil surrounding the stack is well compacted to maximise stability.
- The immediate surrounding sand/soil should have an amount of water content to ensure all gaps/voids are filled.
- Ensure that the wet sand/soil is compacted well to further ensure there are no voids around the EFLEX Square ducts.
- Use a vibrating roller or plate to compact the soil on top of the ducts to a minimum of 300mm. If compacting to less than 300mm, only a vibrating plate should be used to ensure the ducts are not damaged.

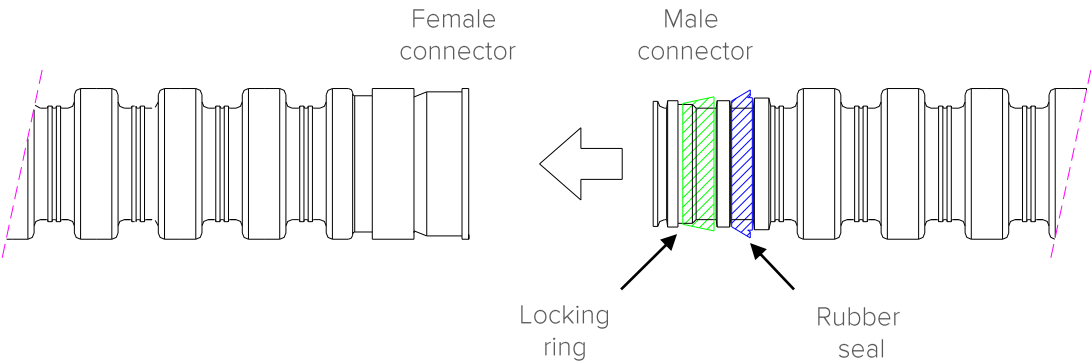
NOTE

- It is recommended that a compactor is used to ensure a firm and flat trench bed.
- Do not overbend EFLEX Square
- Do not use metallic products as the wire or string.
- If water accumulates in the trench, the ducts may float. Please backfill as soon as possible after installing.



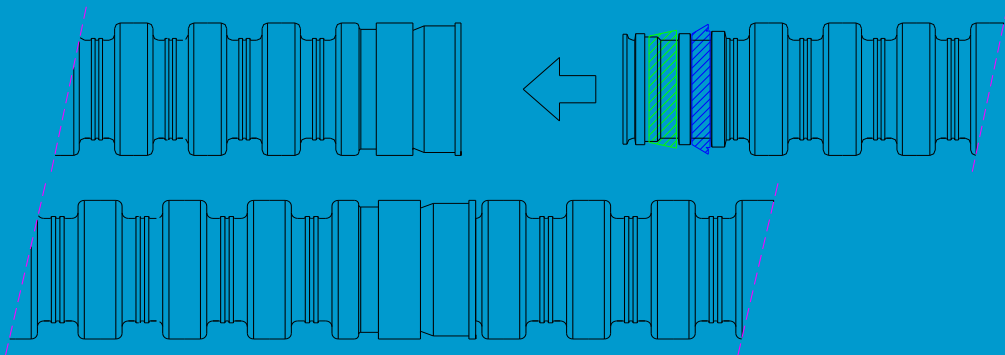
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EFLEX SQUARE CONNECTION PROCEDURE



- 1 Remove the protective cap from the male connector.
- 2 Apply lubrication to the rubber seal on the male connector and the inside of the female connector, to ensure the rubber seal is seated correctly. When completed the rubber seal creates a watertight connection.
- 3 Ensure the connectors are free from dirt and debris. Insert the male connector into the female connector.

Make the connection in a straight line and check that the connection is secure by pulling by hand in the opposite direction.



NOTE

- Connection is permanent and cannot be disconnected
- Do not apply lubrication to the locking ring.



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