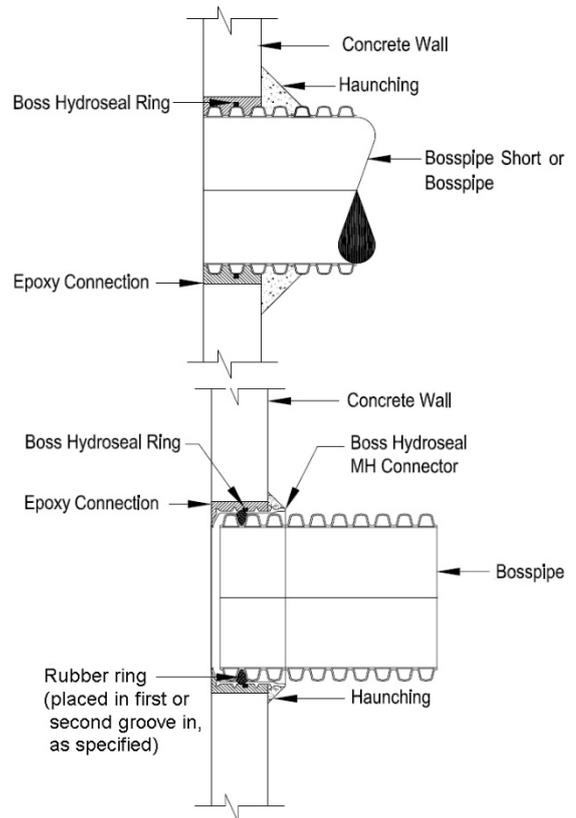


Where a watertight connection to concrete structures (manholes) is required, Waters & Farr offer two options of jointing:

- Using a Boss Hydroseal Ring fitted on Bosspipe corrugation, or on a Bosspipe short where flexible connection is required in the vicinity of manhole.



- Using a Boss Hydroseal MH Connector,



Jointing is performed as follows:

- Make a hole in the manhole wall, preferably coaxial with incoming pipe/fitting spigot, using a drill or a power saw.
- Clean all work surfaces thoroughly. Remove all grease.
- Fit a Boss Hydroseal Ring on top of an appropriate corrugation (usually second or third ridge in) when using Bosspipe itself or a Bosspipe short.
- When using a Boss Hydroseal manhole connector, join the connector and a Bosspipe length or a short fitted with a rubber ring (see BP Jointing) before inserting the connector in manhole wall (to ensure correct positioning of the connector).
- Insert Bosspipe (Bosspipe short) with fitted Hydroseal Ring or manhole connector to a specified projection past inside wall of the manhole.
- Seal all annular gaps by caulking an approved bonding agent (e.g., epoxy mortar) to completely fill all gaps and to form haunches on all sides. **NOTE:** when using Boss Hydroseal connection options, ensure that haunches fully enclose the Hydroseal ring with at least 50 mm thick layer of mortar (or at least 40 mm of higher strength epoxy mortar).
- Join Bosspipe short to the next pipe line using a coupler or an integral pipe socket (see BP Jointing).
- Bed the connection using the correct embedment material ensuring bedding support for the incoming/outgoing pipe/connector.

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