# Lateral Connections into AquaSpira pipe

Lateral connections can be created quickly and easily into AquaSpira pipes with our purpose made Lateral Connectors (LTC). The LTC is placed inside a pre-drilled hole and the lateral pipe is then inserted and clamped into position, providing a neat, sealed connection in a matter of minutes.

The LTC's are manufactured from 9mm thick, high quality EPDM rubber in accordance with BS EN 681: Part 1-1996 'Specifications for elastomeric joint rings for pipework and pipelines – drainage' and are fitted with a stainless steel clamping band.

Complete product, dimensional and installation details are set out below.
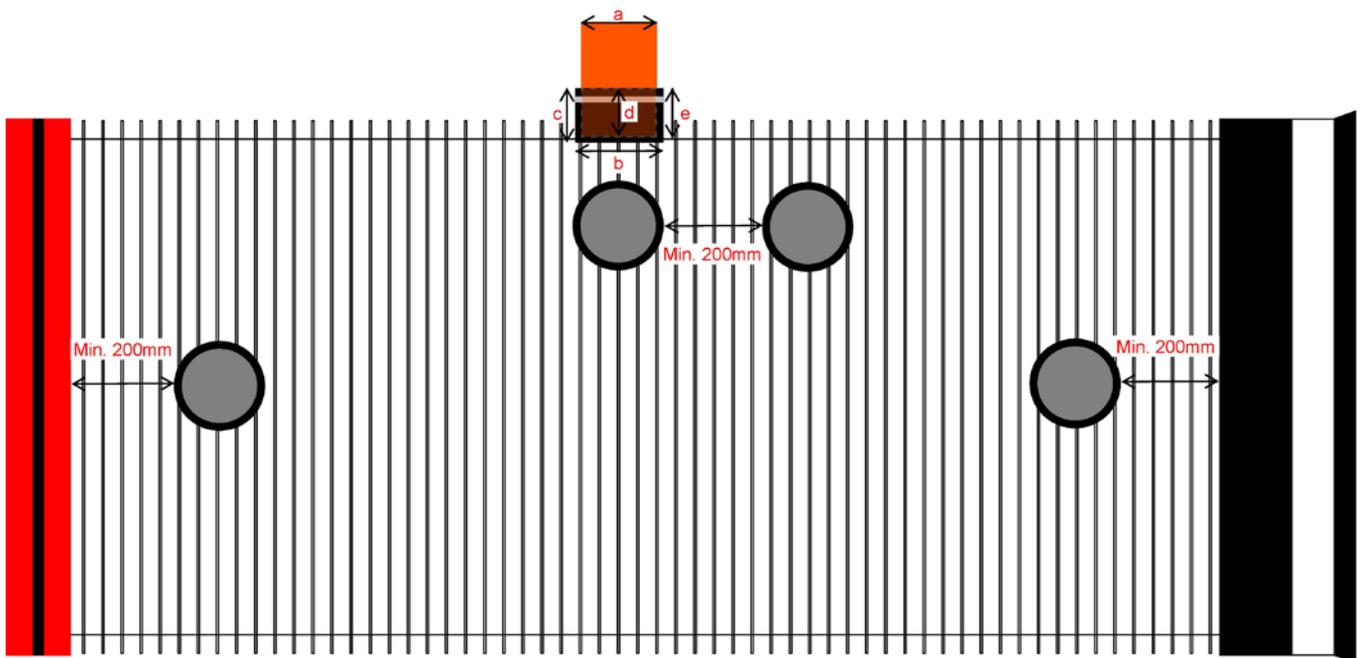
Product Description:	LTC 110 Lateral Connector for 110mm pipe	LTC 160 Lateral Connector for 160mm pipe
Product Code:	P5011000	P5016000
OD of incoming lateral pipe (a)	110mm	160mm
OD of LTC sleeve and Ø of hole required (b)	127mm	177mm
Overall height of LTC sleeve (c)	90mm	90mm
Insertion depth of incoming pipe (d)	80mm	80mm
Height of LTC sleeve from outer pipe wall (e)	74mm	74mm

Lateral Connections – Installation procedure

110mm and 160mm connections can be made into AquaSpira pipes quickly and easily with our Lateral Connectors (LTC).

1. Holesaw blades and LTC's to the correct specification should be obtained from AquaSpira.

2. Drill hole 90° to the pipe axis. Where possible it is better to drill holes from inside the pipe however, holes can also be drilled from the outside.

3. Ensure hole is clean.

4. Fit the LTC into the hole such that the steel band remains above the level of the ribs, whilst ensuring that the bottom of the LTC protrudes into the pipe by 2-3mm (in line with small non-return flange).

5. Mark the pipe/bend to be connected with a line 80mm from the end of the pipe/bend to indicate correct depth insertion.

6. Lubricate the inside of the LTC and the pipe/bend.

7. Insert the pipe/bend into the LTC until the depth insertion marker is level with the top of the LTC.

8. Tighten the clamp on the steel band to approx. 6Nm.