

Service connection tapping

- 5.8 Service connections are generally tapped to a distribution main using ferrules of size 15, 20, 25, 40 and 50mm by installing the polyethylene service connection pipe (including all auxiliary fittings) from the tapping point up to the consumer Entry Point.
- 5.9 Saddle straps with a flat boss shall be installed on the main water pipeline. The tapping to the pipeline shall be done through the saddle strap using a tapping machine approved by the Distribution Company. Screw-down ferrules shall be fitted to the saddle straps. The ferrule valve shall be closed until the service connection work is completed and tested.

Water service connection pipes

- 5.10 Water service pipe material is classified to two nominal sizes; up to 50mm nominal diameter and 65mm and above. The requirements in respect of pipes and pipe specifications are included in Annex B. The Distribution Company's approval is needed prior to making any pipe material selection from the list below.
- (a) Water service pipes of 50mm diameter and smaller shall be of one of the following:
- (i) Medium Density Polyethylene Pipes (MDPE) PE 80 (The most common type of service connection pipe used by the Distribution Companies);
 - (ii) High Density Polyethylene (HDPE) PE 100 may be used in high-pressure systems;
 - (iii) Polypropylene random copolymer (PP-R) pipes;
 - (iv) Cross-linked polyethylene (PE-X) pipes and fittings; and
 - (v) pipes of higher specification e.g. stainless steel, subject to their being approved by the Distribution Company or the Bureau.
- (b) Water service connection pipes of 65mm diameter and larger shall be of one of the following:
- (i) High Density Polyethylene (HDPE) pipes and fittings to ISO 4427 Parts 1, 2, 3 and 5 type PE 100 and ADWEA Standard Specification for Water Works No. W-P-SS-005. Medium Density Polyethylene Pipes (MDPE) PE 80 may be used in low-pressure systems;
 - (ii) Ductile Iron (DI) pipes and fittings to ISO 2531 or equivalent; and
 - (iii) pipes of higher specification e.g. stainless steel, subject to their being approved by the Distribution Company or the Bureau.
- 5.11 Polyethylene pipe shall be laid without joints or unnecessary bends from the ferrule up to the consumer Entry Point. Connectors, bends and adaptors shall be provided