

# Cadent

Your Gas Network

# Ducting

## Specifications and guidance



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# About this document

Cadent's preferred option is to lay gas service pipes in open trenches. However, we will allow developers to install ducting to allow polyethylene pipe to be inserted at a later date.

This document provides guidance on the specifications for the duct.

Please note that **we do not supply ducting**. This can be purchased at most reputable building suppliers and merchants.

## Ducting dimensions

This table shows the minimum ducting size required to allow safe insertion of pipes up to 180mm in diameter:

Pipe diameter	Minimum ducting size
32mm	60mm
63mm	100mm
90mm	150mm
125mm	200mm
180mm	250mm

**Table 1: Minimum ducting dimensions**

## Installation guidance notes

- Polyethylene (PE) pipe may be inserted into a pre-laid duct that is external to the building.
- The gas ducting must be **yellow and perforated**.
- Gas ducting must be to **British Standard BS4962**.
- For ease of insertion, the internal diameter of the duct should be sufficient to allow insertion of the PE pipe without damage (see **Table 1** above).
- Gas Marker tape should be installed a minimum of 75mm above the duct and should be placed at a convenient depth between the backfill and sub-base layers in road or footpath constructions, or 250mm above the crown of the main in unmade ground.
- Ducting must be laid in a straight line with services running perpendicular to the mains pipe. (The line of the service route should take the shortest possible route but may require a Cadent team to divert pipework to accommodate any obstructions.)
- A clearance of at least 250mm should be maintained between gas pipe/fittings and the known position of other utilities plant being installed alongside, or crossing, the service.
- Ducts must terminate a minimum of 1m from the service entry point to allow for assembly and installation of the service entry fittings. An open excavation must be left at this point.

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- The duct should terminate at a position which allows insertion of the service pipe and assembly of the mains connection fittings.
  - A drawstring must be inserted in the duct to aid the insertion of the PE pipe.
  - Sections of the ducting should be exposed to prove the depth of cover of the service e.g. via small trial holes.
  - Care must be taken to ensure the duct is not kinked, obstructed, or crushed when backfilled. It is recommended that imported fine fill is used up to 100mm above the duct.

If you require any further assistance, please contact us on **0845 3666 6758**.