

Guide for laying Gas Ducting



Northern Gas Networks will allow gas services to be ducted so that paths and roads in private ground do not have to be disturbed. You will lay the duct and Northern Gas Networks will then insert the service pipe into the duct.

Before carrying out any excavations you must comply with safe digging practices and the Health & Safety document HSG 47 entitled 'Avoiding Danger from Underground Services' will provide the necessary information.

GENERAL GUIDELINES

Please read these guidelines in conjunction with the "Guide to Excavation" document.

Gas ducting must be yellow in colour, perforated, vented appropriately and must comply with BS4962. Gas marker tape must be laid 200mm above the duct to avoid interference damage to gas pipes. Polyethylene (PE) gas, water or cable pipe must not be used as a duct.

Ducting must be laid in a straight line.

Care should be taken to ensure ducting is not kinked or obstructed. If the ducting is blocked or laid incorrectly you will be asked to remove the blockage/obstruction and/or relay the ducting.

Keep a clearance of at least 250mm between gas pipe/fittings being installed alongside, or crossing, the known position of other utilities' plant.

For ease of insertion, the internal diameter of the duct must be sufficient to allow insertion of PE pipe without damage
See Table 1 for minimum duct sizes.

You must ensure that sufficient room is left at each end of the duct to allow access to make the connection to the main and service termination point. Sufficient duct must be left exposed to receive the service pipe and you must allow a minimum of 1m at the entry point to allow us to assemble the required fittings. A drawstring must be inserted into the duct to allow the service pipe to be pulled through. You must also leave sections of the ducting exposed to prove the depth of cover of the service. e.g. via small trial holes.

The ducting must be laid on a prepared bed or soft ground and the first 100mm backfilled with imported finefill.

PURCHASING DUCTING

Appropriate ducting for gas services can be purchased at most reputable building suppliers and merchants.

Service Pipe Size	Minimum Duct Size
32mm	60mm
63mm	100mm

Table 1. Ducting Sizes.