



Cable Protection

Steel Ducting



Applications:

Traffic Signals, Street Lighting, Motorways

The NAL innovative Steel Ducting System has been designed to enable the installation of highway ducting systems in areas where the standard duct depth cannot be achieved.

The systems superior crush strength allows the duct to be installed with a minimal 200mm cover. This offers an off the self solution to traditional problems which occur frequently in urban projects today.

The System is available to suit 63mm and 110mm diameter ducting and can be installed in various lengths up to 3 metres. A wide range of jointing couplers, bends and spigots allow the system to be installed in any location regardless of the restrictions.

Once installed traditional flexi duct is fitted into the Steel Duct System to ensure it has a smooth inner bore and eliminates any risk of cable snagging.

Advantages

- ◇ High crush strength
- ◇ 200mm depth carriageway installation
- ◇ Couplers and bends eliminate cable snagging
- ◇ Complete system with full range of components



A CRH COMPANY

Steel Ducting Specification

Steel Duct to be manufactured with a minimum bore capacity to that of a 63mm, 110mm or 150mm traditional duct O/D.

Steel Duct to be manufactured to a loading of EN124 class D400 as a minimum enabling it to be installed in both carriageway and footway applications.

Steel Duct to have a crush strength which enables it to be installed 200mm from surface level.

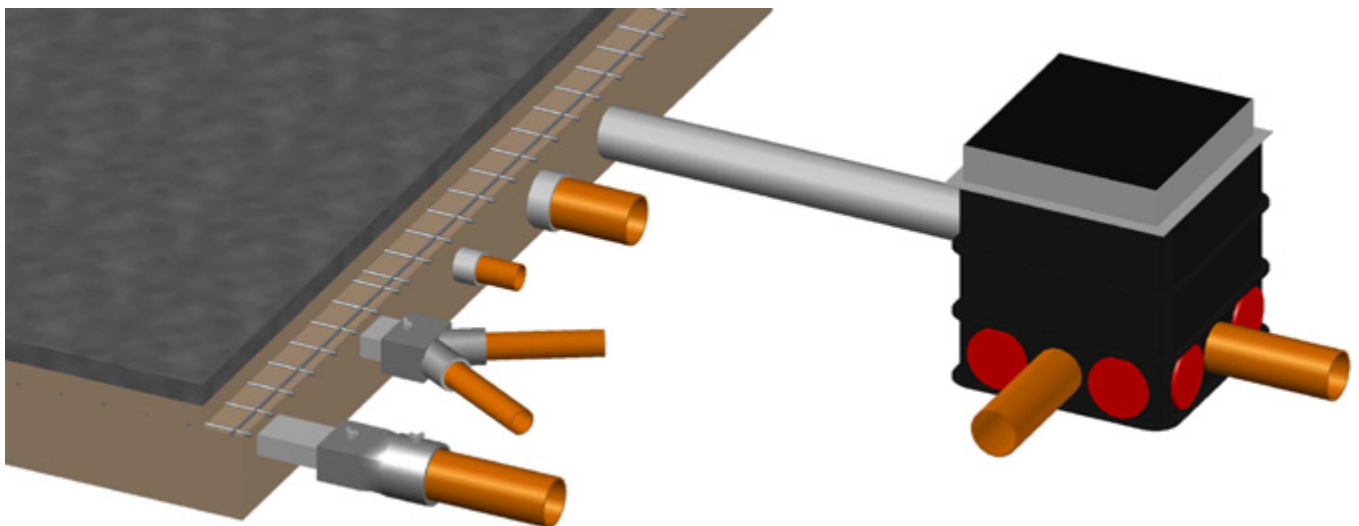
Steel Duct to be hot dipped galvanised to BS EN ISO 1461:2009.

Steel Duct to be supplied with appropriate jointing and bend accessories.

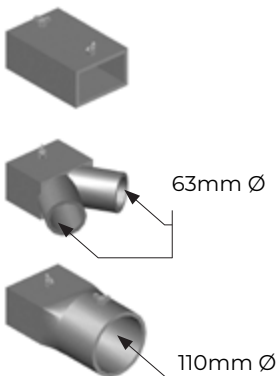
Steel Duct must be surrounded with a ST4 compacted Carriageway Surface minimum 100mm, Steel Coupler / Joint concrete.

Steel Duct must be laid with a minimum gap of 80mm between each duct to allow appropriate concrete surround.

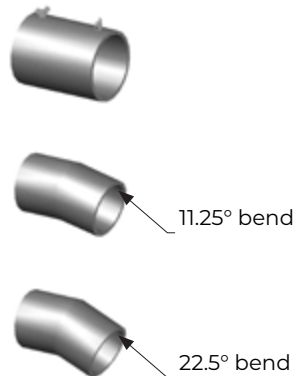
Steel ducting to be supplied by NAL Ltd, to the above specification.



Rectangular coupler



Circular coupler



Typical installation

