Chamber And Duct Systems
MULTIduct™

Applications: Traffic Signals, Street Lighting, Communications

The NAL MULTIduct™ system is an innovative duct system, used in the construction of carriageway crossings, bridge crossings and tunnel installations.

The system is manufactured from Nitrogen foamed high density Polyethylene, which offers a high strength to weight ratio, resulting in a product that has a high crush resistance but can be lifted by a single person.

The system is available in 2, 3, 4, 6, and 9 way formations or stacked to provide multiple duct banks. They are easily installed by connecting nominal one metre long section together, either by push fit or a steel clip system.

Advantages

◆ Crush Strength - the system can be installed as shallow as 300mm in the carriageway
◆ Speed – simple push fit assembly ensures it can be installed in minutes
◆ Safety – All sections within the one man weight lift limit
◆ Higher Duct Capacity - Square section enables less internal bore surface in contact with cable
◆ Economical – More cost effective than traditional duct installations for road crossings, bridges and tunnels
◆ Flexible – full range of accessories to overcome bends, break out of runs and interface with standard duct
◆ Environmental – Manufactured from 70% recycled material, and is completely recyclable
◆ Can provide multi use road crossing points reducing excavations in roads
MULTlduct™ has been extensively tested in order to determine the maximum loading on each unit section. These tests demonstrate the suitability of installing MULTlduct™ for road applications at various depths by simulating the highest possible loading, when continuously and point loaded at that depth.

**Point loading**

<table>
<thead>
<tr>
<th>Depth of Cover</th>
<th>100mm</th>
<th>200mm</th>
<th>300mm</th>
<th>400mm</th>
<th>500mm</th>
<th>600mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 way (160mm)</td>
<td>4 way (3x2)</td>
<td>6 way (2x3)</td>
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</tbody>
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Not suitable without structural backfill
Can be considered - consult technical support
Suitable for all installations

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**Accessories**

- Male and Female connectors
- 110mm duct connectors
- STAKKAbox Access Chamber connection

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**2 Way**

**4 Way**

**6 Way**

**9 Way**