CIVILS INSTALLATION OF NAL RS RETENTION SOCKETS

For non-illuminated retention sockets

STEP 1

Ensure top of Retention Socket is at correct height with surrounding ground. Please see reverse for instructions on installing with or without a kerb wedge.

Twist the head of socket into the required orientation.

If required depth for Retention Socket cannot be achieved, units can be shortened on site by cutting the connecting shaft. - (This can only be done with Local Authority approval) - Please telephone technical support on 01905 427100 for further information.

STEP 2

Remove Pedestrian Plug and insert levelling pole into Retention Socket. Remove side locking chamber lid.

Tighten the levelling pole in place with the bolts in the side locking chamber.

Surround with the required amount of minimum grade ST4 concrete. (Please see foundation matrix inside for concrete surround measurements).

Use levelling pole to achieve the vertical level. (This pole can be used as a lever to achieve vertical level).

(Levelling Poles and Spanners are sent out with every order. If you have not received any, please contact NAL before starting installation on 01905 427100).

Compact concrete and re-check the vertical level.

STEP 3

Once concrete has begun to cure, carefully remove the Levelling Pole and replace the pedestrian plug.

Replace the locking side chamber lid and secure in position. Finish footway with required surface.
Solid Ground (Cat IV, Wind 26m/s) - Retention Socket Foundation Details

<table>
<thead>
<tr>
<th>Retention Socket Size</th>
<th>Post Height calculated</th>
<th>Foundation Width mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS48/50X50/50x60</td>
<td>Guardrail</td>
<td>450 x 450</td>
</tr>
<tr>
<td>RS60/RS76</td>
<td>4m</td>
<td>750 x 750</td>
</tr>
<tr>
<td>RS89</td>
<td>5m</td>
<td>920 x 920</td>
</tr>
<tr>
<td>RS115</td>
<td>6m</td>
<td>1200 x 1200</td>
</tr>
<tr>
<td>RS140/RS145</td>
<td>8m</td>
<td>1410 x 1410</td>
</tr>
<tr>
<td>RS165/168/177</td>
<td>10m</td>
<td>1700 x 1700</td>
</tr>
<tr>
<td>RS194/RS202</td>
<td>12m</td>
<td>2040 x 2040</td>
</tr>
<tr>
<td>RS219/RS226</td>
<td>12m</td>
<td>2210 x 2210</td>
</tr>
<tr>
<td>RS245</td>
<td>12m</td>
<td>2730 x 2730</td>
</tr>
</tbody>
</table>

LOOSE GROUND

Soft Landscaping sites

Foundation Width sq mm

Foundation calculations designed to EN40, wind speed 26m/s and max post height indicated. These are generic foundations, please contact us for bespoke foundations for signs. Other EN40 variables and BD94/07 Calculations available on request.

For technical enquiries - Tel: 01905 427100 or Email: sales@nal.ltd.uk
Retention Socket in tapered flexible paving (tarmac) without Kerb Wedge

Centre of socket is 15mm above string line

String line from kerb to back of footway

Levelling Pole

Black top

Edging

Concrete

Kerb

Side chamber with 2no. stainless steel securing bolts

150mm

50mm

250mm

125mm

Kerb wedge is bolted to Retention Socket

Retention Socket in tapered paving with Kerb Wedge

Levelling Pole

Black top

Concrete

Kerb

Paving

Retro fit wedge

Standard wedge

Side chamber with 2no. stainless steel securing bolts

150mm

50mm

250mm

125mm