Aluminium Traffic Signal Poles - Punch

- Light weight aluminium, easy to install
- 50 year design life
- Passively Safe, FULLY crash tested and endorsed by a Notified Body – NE rating

Traffic Signal Poles give you the green light

Pole Products has developed a range of Traffic Signal Poles, called Punch. The poles retro-fit in a standard 114 socket/root section which is often the existing situation in case of replacements / renovations – 145mm above ground to enable standard door size to be used (protected solution).

Because of the material aluminium the Traffic Signal Poles have a low weight, which makes them easy to install. The poles can be supplied with a low-level door to easily access the electricity functions.

Raise & Lower versions of the Punch overcome the problems of the Working at Height regulations (centre island applications).

Local technical support available in the UK. Advice on e.g. the foundation of the pole according to the sign structures guide (SSG2010).

In compliance with standards and regulations:
- Design in accordance with the British standard BS-EN 40-6
- Calculations according to the British standard BS-EN 12899
- Passively safe according to BS-EN 12767 – see certificate EN 40

Installation options:
- Planted in the ground
- In a socket

Passive Safe classifications:
- 70NE2 / 100NE2
- 70NE3 / 100NE3
Traffic Signal Poles - Punch

Traffic Signal Poles – Punch configurations

Traffic Signal Pole - Punch 165/145

Cranked Traffic Signal Pole - Punch cranked 114/145

Raise & Lower Traffic Signal Pole – Punch including hinge tool

Traffic Signal Poles – Punch Selection Matrix*

<table>
<thead>
<tr>
<th>Dimension bottom - top</th>
<th>Push button pole</th>
<th>TSP</th>
<th>Cranked TSP</th>
<th>TSP (heavy version)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DM (in mm)</td>
<td>114 - 120</td>
<td>114 - 145</td>
<td>114 - 145  (swan neck)</td>
<td>165 - 145**</td>
</tr>
<tr>
<td>Length of pole</td>
<td>M 2</td>
<td>4 / 6</td>
<td>4,2</td>
<td>4,2 / 6</td>
</tr>
<tr>
<td>Passive Safety</td>
<td>70NE2 / 100NE2</td>
<td>70NE2 / 100NE2</td>
<td>70NE2 / 100NE2</td>
<td>70NE2 / 100NE2 or 70NE3 / 100NE3 (with shear off)</td>
</tr>
</tbody>
</table>

* Other types on demand
** D165 can be upgraded to bigger diameters up to d250 if more strength is needed. In those cases, a shear-off inside the column is always needed to become passive safe (class 70NE3/100NE3).

Technical characteristics:

- Seamless tube made of aluminium extrusion;
- Alloy EN AW6060 T66;
- 100% recyclable;
- Flush fitting door with 2 triangular locks (anti-vandal optional);
- Welded reinforcement profile at the inside of the door section, complete with mounting rail (2x M6 slip nuts + 1x M8 earth nut);
- Extra earth nut M8 at the inside of the door;
- Factory drilled for signal heads on four axis (0, 90, 180, 270 degree);
- CCTV - Raise and Lower versions available. Raise and Lower versions are designed for separate PBU units only;
- Fitted with a vented top cap;
- Finishes available in a range of RAL colors, typically Grey/Black or brushed finish.

Hydro is not liable for incomplete or incorrect information provided on this product sheet.