

Aluminium traffic signal poles (TSP) - Punch

- Light weight aluminium, easy to Install
- 50 year design life
- Passively safe, FULLY crash tested and certified by a Notified Body – NE rating



Pole Products has developed a range of traffic signal poles, (TSP) 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 12899-1
- Calculations according to the British standard BS EN 12899-1
- Passively safe according to BS EN 12767 – see certificate EN 12899-1

Installation options:

- Planted in the ground
- Sleeved (slide in oversized tube)
- In a socket
- Baseplate

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

Punch selection matrix*

	Push button pole	TSP	Cranked TSP	TSP heavy version and R&L version
Dimension bottom - top (mm)	114 - 120	114 - 145	114 - 145 (swan neck)	165 - 145 250 - 145**
Length of pole (m)	2	4 / 6	4,2	4,2 / 6
Passive safe classifications	70-NE-C-S-SE-MD-0 / 100-NE-C-S-SE-MD-0 70-NE-C-R-SE-MD-0 / 100-NE-C-R-SE-MD-0			70-NE-C-S-SE-MD-0 / 100-NE-C-S-SE-MD-0 70-NE-C-R-SE-MD-0 / 100-NE-C-R-SE-MD-0 50-NE-B-X-SE-MD-0 // 70-NE-B-X-SE-MD-0 / 100-NE-B-X-SE-MD-0 (with shear off) 50-NE-B-R-SE-MD-0 / 70-NE-B-R-SE-MD-0 / 100-NE-B-R-SE-MD-0 (with shear off)

* Other types on demand

** D250 always need a shear-off inside the column to become passive safe

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.