Aluminium NE passive safe poles

- Fully certified and endorsed by a Notified Body (CE + UKCA)
- TOPAS registered
- 100% recyclable

Non energy (NE) absorbing poles allow the vehicle to continue after an impact with a limited reduction in speed. They therefore represent a lower primary injury risk than energy absorbing support structures.

NE-D and NE-C poles are standard poles that often naturally exhibit passive safety qualities due to the material properties of aluminum and require no extra engineering solutions.

NE-B is the safest passive safe classification for the occupants for medium and high speed roads. The impact speed of non energy (NE) absorption combined with occupant safety level B demands special features from a pole. Hydro therefore developed a shear-off solution. This in-built construction is unique as it will shear-off in the event of a collision and is unaffected by the direction of the impact. The solution is based just above the ground level of the pole.

Local technical support available in the UK.

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 40-3-3
- Passively safe according to BS EN 12767 – see certificate EN 40

Available passive safe classifications:

- 100-NE-B / 70-NE-B / 50-NE-B (previously 100NE3 / 70NE3 / 50NE3)
- 100-NE-C / 70-NE-C (previously 100NE2 / 70NE2)
- 100-NE-D (previously 100NE1)
- All classes are multidirectional and no risk for roof indentation (-MD-0)

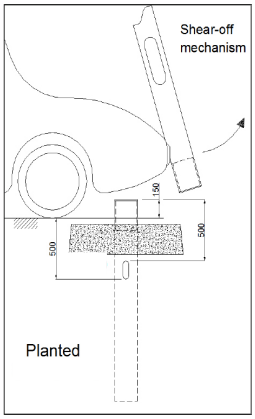
Bracket options (see PDSEN/UK.32.02.001)**:**

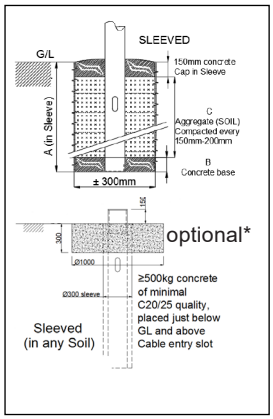
- Fixed brackets
- Cast piece brackets
- Invisible joint brackets

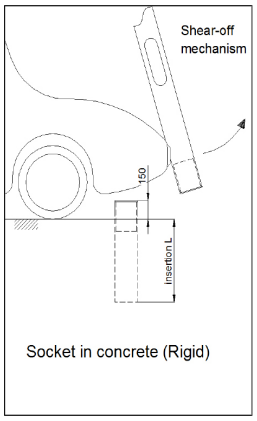
Installation options:

- Planted in the ground
- Sleeve/Socket
- Base plate

Installation options NE-B poles (advised)







**including concrete guarantees proper functionality as it eliminates soil conditions*

NE poles, conical and cylindrical stepped available from 2-15m

Height (in m)	Base diameter x wall thickness (in mm)	Foundation type	Passive safe classifications
2-15	200 x 3.3; 226 x 3.3; 250 x 4.0 (all with shear off construction)	Soil (S), any soil (X) or Rigid (R) concrete	50, 70 and 100-NE-B-X-SE-MD-0 50, 70 and 100-NE-B-R-SE-MD-0 50, 70 and 100-NE-B-S-SE-MD-0
2-10	114 x 2.5; 114 x 3.0; 120 x 3.0; 120 x 4.5; 135 x 3.0; 145 x 3.0; 165 x 3.3	Soil (S) or Rigid (R, concrete)	70 and 100-NE-C-S-SE-MD-0 70 and 100-NE-C-R-SE-MD-0
2-8	145 x 4.25; 175 x 4.0; 200 x 3.3; 226 x 3.3	Soil (S) or Rigid* (R, concrete)	100-NE-C-S-SE-MD-0
8 -12	145 x 4.25; 175 x 4.0; 200 x 3.3; 226 x 3.3	Soil (S) or Rigid* (R, concrete)	100-NE-D-S-SE-MD-0

**For UK all classes are valid for Soil AND Rigid, see foundation disclaimer.pdf based on the NA to BS EN12767*

Technical characteristics:

- Seamless tube made of aluminium extrusion;
- Alloy EN AW6060 T66;
- 100% recyclable;
- Flush fitting door with 2 triangular locks;
- Welded reinforcement profile at the inside of the door section, complete with mounting rail (2x M6 slip nuts + 1x M8 earth nut) and mounted wooden backboard;
- Extra earth nut M8 at the inside of the door;
- Ground piece protected with corrosion protective tape + ground level protector;
- Cable entry slot incl. protection cap;
- Surface brushed finish. Option anodized or electrostatic powder coating.

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