

Aluminium HE passive safe columns

- Fully certified and endorsed by a Notified Body
- Sustainable



High-energy (HE) absorbing columns create forgiving roads

High-energy (HE) absorbing columns slows the vehicle considerably on impact. The risk of secondary collisions with trees, pedestrians and other road users is reduced.

In urban areas where risk of a secondary accident is high, columns require a high-energy absorbing classification. The best high energy absorbing classification for occupants is HE3.

To obtain the 100HE3 classification, a patented 'catch-up' construction is integrated into the pole. The construction ensures that, during impact, the speed of the vehicle is significantly reduced while, at the same time, guaranteeing maximum occupant safety.

In compliance with standards and regulations:

- Design in accordance with the European standard EN40-6
- Calculations according to the European regulations EN40-3-3
- Passively safe according to EN 12767 – see certificate EN40

Available passive safe classifications:

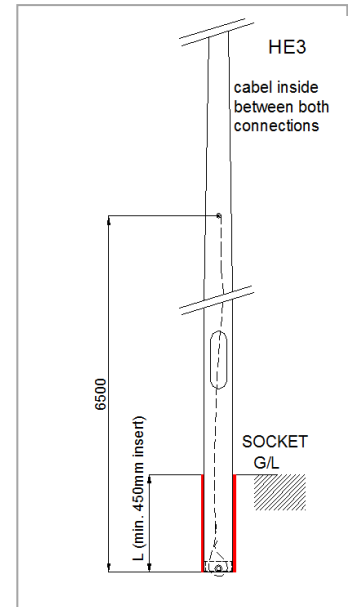
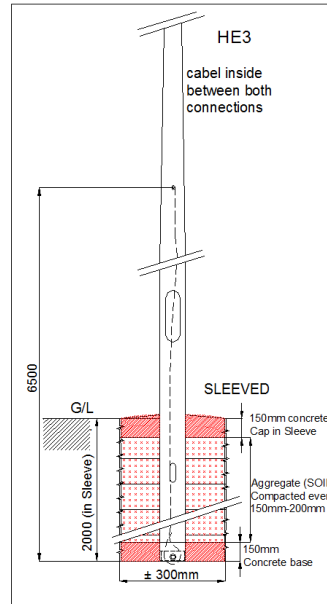
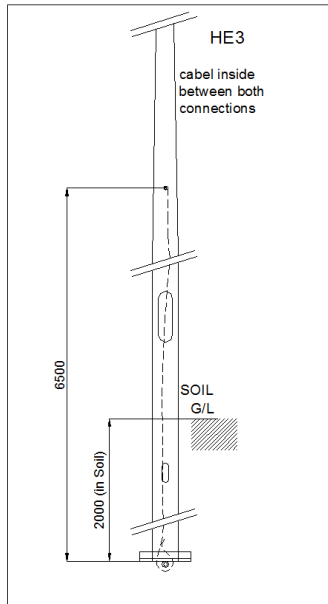
- 100HE3
- 100HE2

Bracket options (PDSENEX32.02.001.r01):

- Fixed brackets
- Brackets with invisible joint
- Brackets with cast piece

HE columns

Installation options



HE3 columns, conical and cylindrical stepped available from 8 up to 12m

Height (in m)	Base diameter x wall thickness (in mm)	Length ground piece* (in mm)	Foundation type	Passive safe classification
8 - 12	200 x 3.3 (with cable inside)	2000	Soil and rigid Bottom plate	100HE3

* Length ground piece differs per country, depending on the applicable standard

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 with 2x M6 slip nuts + 1x M8 earth nut;
- Ground piece protected with corrosion protective tape (color grey or black);
- Optional ground level protector (PDSSEN.37.02.001.r01);
- Cable entry slot incl. protection cap;
- Surface brushed finish, optional electrostatic powder coating or anodized.

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