



SECURIMAT – TAPERED PASSIVELY SAFE STEEL POLE



Passively safe poles in class 70 HE C S NS BD are installed where controlled deceleration of an impacting vehicle is required, with maximum consideration for the safety of passengers and other road users.

Function and Operating Principle

The pole is mounted on a cast concrete foundation 600 mm below ground level or on a prefabricated standard concrete foundation. A series of carefully calculated vertical slots in the buried section of the pole makes it flexible. During an impact, this section deforms and absorbs the vehicle's kinetic energy.

In the event of a collision, the pole remains secured in its foundation, preventing damage to the surroundings. In most cases, a new pole can be installed directly on the existing foundation without difficulty.

Pole Type

The pole is tapered and identical in appearance to standard tapered poles. Road sections can therefore be designed with the same pole type, maintaining a consistent conical design language.

Securimat poles are manufactured from hot-dip galvanised steel in accordance with DS/EN ISO 1461 and are CE-marked with load calculations according to EN 40 regarding maximum top load and wind area, as well as EN 12767 for passively safe poles in class 70 HE C S NS BD.

All poles can be supplied in any RAL colour, powder coated or wet painted in accordance with EN 12499.

An anti-sticker/anti-graffiti topcoat can also be supplied in accordance with ASTM D6578, providing extended service life and minimal maintenance.

DATA TABLE

Technical Specifications

Type

Tapered, passively safe pole for installation on cast concrete foundations or prefabricated concrete foundations located 600 mm below ground level.

Pole Top

Ø 60 mm for side-arm mounting or top-mounted luminaires.

Access Door Opening

Varies according to pole size, but minimum 96 × 403 mm, recessed and secured with two screws, positioned 500 mm above ground level.

Foundation

The poles are supplied with a base flange, c/c 200 mm or c/c 300 mm, for bolting onto a cast foundation positioned 600 mm below ground level or onto a prefabricated concrete foundation.

Poles can be supplied from the factory with root protection applied to the lower and underground sections.

Energy Class

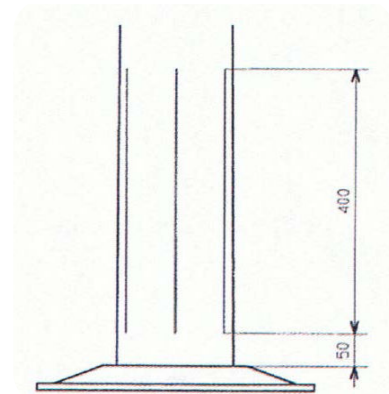
HE Pole (High Energy Absorption): A passively safe pole designed to decelerate a vehicle in a controlled manner during impact.

LE Pole (Low Energy Absorption): A passively safe pole designed to partially decelerate a vehicle during impact.

NE Pole (Non-Energy Absorption): A passively safe pole designed not to significantly decelerate a vehicle during impact.



The pole and its slots, together with the surrounding cover material, provide the pole's passive safety characteristics.



EAN No. / Item No.	Height [m]	Bolt Circle [mm]	Max. toplast/ kg / m ²	Door Height [mm]
5703390460335 / 5310163293	6	c/c 200	15/0,806	500
5703390460373 / 5310163297	7	c/c 300	15/0,806	500
5703390460342/ 5310163303	8	c/c 300	15/0,635	500
5703390460164 / 5310163309	9	c/c 300	15/0,696	500
5703390460359 / 5310163316	10	c/c 300	15/0,632	500
5703390460366 / 5310163329	12	c/c 300	15/0,410	-

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