

Tapered pole

Last information update: April 2025



Accessory code

1546: Tapered pole in-ground - Total H 11000mm - base diameter Ø194mm - final diameter Ø120mm

Technical description

Stepped, tapered pole made of 70 micron hot galvanised steel, in compliance with UNI EN ISO 1461 (EN 40-5), subsequently surface treated with textured acrylic powder paint. The standard painting cycle refers to the UNI EN ISO 12944 standard with durability class C4-H (suitable for industrial areas and coastal zones with moderate salinity). The UNI EN ISO 12944-1 standard specifies routine maintenance and 6-monthly checks to conserve the product intact. The galvanizing process includes stirring to prevent internal build up of zinc salts. The pole consists of two cylindrical pieces and is made of EN10025-S355JR (ex Fe510 UNI7070) steel. The first cylinder is 194 mm in diameter, 3 mm thick and 4200 mm high, while the second cylinder is 121 mm in diameter, 4 mm thick and 5800 mm high. The slot for the access cover measures 310x95 mm, is at a height of 1000 mm from the ground, and is suitable for fitting the terminal block with two fuses (code 1863). The pole allows installation of Italian/French/Spanish/English terminal blocks (with wooden adapter to be ordered separately) and German/Swiss ones (with DIN rail to be ordered separately). Die-cast aluminium flush access cover. Comes with the relative large triangular key (9 mm key side) for access covers (code 0246). A non-ageing gasket adapts to the uneven pole surface to ensure that it is sealed. The access cover is mounted using an anchor plate spot welded inside the pole. A metal hook for supporting the terminal block is welded inside the pole. It consists of a metal rod, 4 mm in diameter, bent twice, measuring 40x26 mm. The pole has four through-holes, with stainless steel threaded inserts for securing the tie rod. A galvanized steel plate is welded at the top, with three M8 holes at 120° for fastening the flush pole-top. A polycarbonate closing cap is installed at the top of the pole (silicone sealed by the user). The pole is suitable for withstanding the dynamic wind force, in accordance with the Italian Ministerial Decree of 16/01/96.

Installation

The pole is designed for burial, with the buried part measuring 1000 mm. To protect the pole, a corrosion-resistant protective sheath can be applied to the area in contact with the ground. The sheath is not included with the pole accessories. Upon request, a pole base plate can be used (code 1843), consisting of two parts which can be joined together, made of die-cast aluminium, 620 mm in diameter and 184 mm high. The element can be customised with cast embossed text.

Colour  
Grey (15)

Weight (Kg)  
163.5

Wiring

The electric power cable enters through the slot located 500 mm from the base of the metal cylinder, measuring 150x50 mm. The pole has an internal earthing system with a tropicalised steel earthing lug secured with a stainless steel screw near the access cover. The maximum earth cable section is 16 mm².

Complies with EN60598-1 and pertinent regulations

