

Tapered pole

Design iGuzzini

iGuzzini

Last information update: November 2024



Accessory code

1548: Pole with base plate D=120/194 mm H=10000 mm

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 3200 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 a fixing plate, spot welded to the inside of 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 anchor plate that supports the pole is made of EN 10025-S235JR (ex Fe 360 UNI 7070) 70 micron hot galvanised steel, in accordance with UNI EN ISO 1461 (EN 40-5). It is square, has 4 bevels 40x45°, measures 415x415 mm and is 20 mm thick. The 4 slots measuring 67x30 mm, with centre-to-centre distance 300x300 mm, allow the passage of anchoring bolts. The pole is welded to the plate at the base, and four strengthening fins are welded around it. The steel anchoring bolts, 500 mm long and with 24 mm diameter, are locked by steel screws. 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.

Installation

The pole is applied by connecting the welded plate to the anchor plate, which is made of EN10130 DC01 (ex Fe P01 UNI 5866) hot galvanised steel, and the anchoring bolts prevent it from moving. The fixing plate and relative anchoring bolts (code 1165) are 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)
174.3

Wiring

The electric power cable enters through the hole, 80 mm in diameter, in the anchor plate. 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

