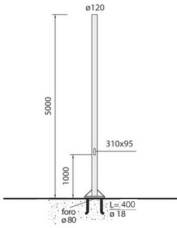


Cylindrical pole

Last information update: April 2025



Accessory code

1292: Cylindrical pole with plate - Total H 5000mm - pole diameter Ø120mm

Technical description

Cylindrical pole made of 70 micron hot galvanised steel, in compliance with UNI EN ISO 1461 (EN 40-5), subsequently surface treated with textured powder paint 200 microns thick. 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 a single welded tube. It is made of EN 10025-S235JR (ex Fe 360 UNI 7070) steel, with diameter 121 mm, thickness 3 mm and length 5000 mm. 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 die-cast aluminium flush access cover is located on the side perpendicular to the roadside. It comes with the relative large triangular key (9 mm key side) for the access cover (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. There is a metal hook for supporting the terminal block inside the pole. It consists of a metal rod, 4 mm in diameter, bent twice, measures 40x26 mm and is welded at a height of approximately 1310 mm from the ground. The pole has three through holes 15 mm in diameter at heights of 3700 mm, 4300 mm and 4670 mm from the ground, suitable for securing the lamps. The ground anchor plate (to be ordered separately, code 1168) for the pole support 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, measures 260x260 mm and is 15 mm thick. The four holes 22 mm in diameter, with centre-to-centre distance 200x200 mm, allow the anchoring bolts to pass. The pole is welded to the plate at the base, and four strengthening fins approximately 60 mm high are welded around it. The plate is dimensioned in accordance with the applicable regulations described in the Italian Ministerial Decree of 16/01/96. The steel anchoring bolts, 330 mm long and with 18 mm diameter, are locked by steel screws. A plastic closing cap is installed at the top of the pole. The pole is suitable for withstanding the dynamic wind force in installation zone 7 and site category III.

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 1168) are not included with the pole accessories. Upon request, a grey pole base plate can be used (code 1841), consisting of two parts which can be joined together, made of die-cast aluminium, 420 mm in diameter and 122 mm high. The element can be customised with cast embossed text.

Colour	Weight (Kg)
Grey (15)	55

Wiring

A junction box must be used for the multiple cabling (code 1880) needed to power the individual floodlights secured to the pole. It is located 4960 mm from the ground and is secured by a metal support welded inside the pole. 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

