

Tapered pole

Last information update: April 2025



Accessory code

1290: Tapered pole with plate - Total H 9000mm - base diameter Ø194mm - final diameter Ø120mm

Technical description

Cylindrical tapered pole made of 65 micron hot galvanised steel, in compliance with UNI EN ISO 1461 (EN 40-5), subsequently surface treated with 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 welded tubes made of EN 10025-S355JR (ex Fe 510 UNI 7070) 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 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 five through holes 15 mm in diameter, at heights of 6500 mm, 7100 mm, 7700 mm, 8300 mm and 8530 mm from the ground, suitable for securing the lamps. The anchor plate that supports the pole is made of EN 10025-S235JR (ex Fe 360 UNI 7070) 65 micron hot galvanised steel, in accordance with UNI EN ISO 1461 (EN 40-5). It is square, measures 400x400 mm and is 20 mm thick. The four holes 30 mm in diameter, with centre-to-centre distance 300x300 mm, allow the anchoring bolts to pass. The pole is welded to the plate at the base, and four strengthening fins approximately 100 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, 500 mm long and with 24 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 0454) are not included with the pole accessories. Upon request, a grey 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	Weight (Kg)
Grey (15)	162.8

Wiring

The access slot is at a distance of 1000 mm from the pole base, and measures 310x95 mm. The access cover is made of die-cast aluminium and is mounted flush with the pole on the side perpendicular to the roadside. The cover comes complete with a gasket that ensures a seal when closed with the large triangular key (9 mm key side). The power cable enters through the hole in the pole base. There is a tropicalised steel earthing insert secured inside the pole near the access cover. The maximum earth cable section is 16 mm².

Complies with EN60598-1 and pertinent regulations

