

September 2012

**Pole - Steel pole with base-plate D=120/194 mm H=10000 mm****Product code:**

1548

**Technical description:**

Stepped tapered pole made of hot galvanized steel with 70-micron thickness according to standard EN ISO 1461 (EN 40-5) and treated with textured acrylic powder paint. Galvanisation entails the stirring process in order to prevent zinc salts from accumulating inside. The pole comprises two cylindrical sections and is made of steel EN10025-S355JR (ex Fe510 UNI7070). The first cylinder has a diameter of 194 mm, thickness 3 mm and length 3200 mm, while the second cylinder has a diameter of 121 mm, thickness 4 mm and height 5800 mm. The inspection lid slot is 310x95 mm and is 1000 mm from the ground. It is suitable for the application of a terminal board with two fuses (code 1863). The pole makes it possible to install Italian/French/Spanish/British terminal boards (with wooden adapter to be ordered separately) as well as German/Swiss terminal boards (with DIN guide to be ordered separately). Flush lid made of cast aluminum with the relevant large triangular key (9 mm key side) for the lid (code 0246). The closure is ensured by a non-aging gasket that adapts to the unevenness of the pole surface. The lid is applied by means of an anchoring plate fixed inside the pole by spot welding. A metal hook designed to support the terminal board is welded inside the pole. The anchoring plate for the pole support is made of EN 10025-S235JR (ex Fe 360 UNI 7070) hot galvanized steel with 70 micron thickness according to standard UNI EN ISO 1461 (EN 40-5). It has square geometry with 4 blunts 40x45°, dimensions 415x415 mm and thickness 20 mm. The 4 inspection lid holes (dimensions 67x30 mm) with centre-to-centre distance 300x300 mm permit the passage of the anchoring bolts. The pole is fixed to the plate by welding at the base. Four strengthening wings are welded around it. The steel anchoring bolts are 500 mm long and have a diameter of 24 mm. They are locked in place by steel screws. The pole has 4 through holes with stainless-steel threaded inserts for fixing the tie rod. The top section has a welded galvanized-steel metal plate with three M8 holes at 120° for the flush application of the pole top. A polycarbonate end cap (silicone to be applied by the user) is installed at the top end of the pole. The pole is designed to withstand wind dynamic pressure in compliance with the applicable regulations specified in the Italian Ministerial Decree dated 16/01/96.

**Installation:**

The pole is applied by coupling the welded plate to the anchoring plate made of hot-galvanized steel EN10130 DC01 (ex Fe P01 UNI 5866). The anchoring bolts lock its movement. The anchoring plate and the relevant anchoring bolts (code 1165) are not included among the pole accessories. Upon request a pole base can be used (code 1843) that is made up of two combinable cast-aluminium pieces with diameter 620 mm and height 184 mm. The element may be customised by casting writings in relief.

**Dimension:**

D = 120/194 mm h = 10000 mm

**Colour:**

Grey (15)

**Wiring:**

The electrical power-supply cables enter the pole through the 80-mm-diameter slot in the anchoring plate. The pole is equipped with an internal earthing connection carried out by means of a cable terminal and tropicalised-steel insert fixed close to the lid by a stainless-steel screw. The maximum section of the earthing cable must be 16 mm<sup>2</sup>.

Complies with EN605981 and pertinent regulations

