

Conical poles TP Ø 76 mm or with upper reduction Ø 60 mm

PAGE 1/2 REV 0 _ 13.02.2023

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group

Materials

Body: made of S 235 JR UNI EN 10025 cold-cast steel sheet with subsequent longitudinal welding using a GMAW process. Surface finish: hot dip galvanised in compliance with EN 1461 and subsequent powder coating, colour dark grey sablè 100 noir.

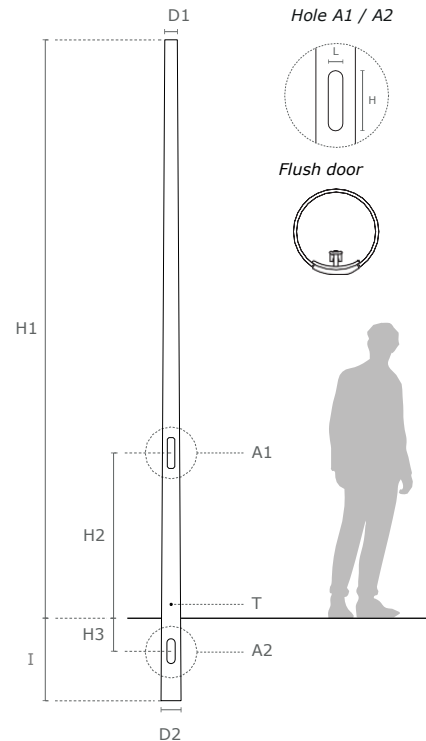
Cap: black polycarbonate top closure.

Installation

Fastening: Pole to be embedded. A protective sleeve is available on request.

Electrical wiring: Terminal board

four-pole for cables 4x16mm². There is a hole for attaching the external earthing cable lug with M10 (T) threaded insert.



A1 - Terminal board hole and door

Hole dimensions LxH: 45 x 186 mm

Hole height H2: 1000 mm

A2 - Cable entry hole

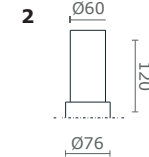
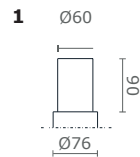
Hole dimensions LxH: 50 x 150 mm

Hole height H3: -200 mm

Reduction Ø60 - thickness 3mm

For pole versions with an upper reduction h90, add "1" to the standard pole code (e.g.:01PA0001C1).

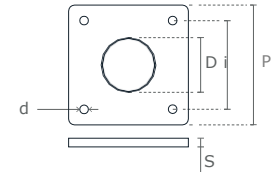
For pole versions with an upper reduction h120, add "2" to the standard pole code (eg:01PA0001C2).



Base plate

Versions for fixing with a base plate are available on request.

Height above ground of pole = H1 + I

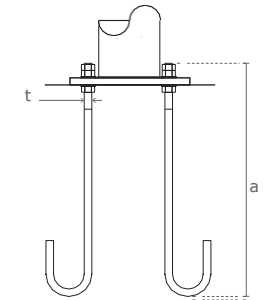


Metal anchors

Length a = 500 mm

Thread t = M16

Plate fixing with metal anchors



Codes for embedded versions	D1 / D2: Ø x thickness [mm]	H1: Height above ground [mm]	I: Embedding depth [mm]	Number of arms [No.]	Pole weight [kg]	* Flush door	EN 40-3 Vref=25m\s [m2 / daN]	EN40-3 Vref=29m\s [m2 / daN]	Maximum Bending Moment [kN x m]
01PA0001C	Ø76 / Ø121 x 3	4000	500	1 / 2	35	RESET 11	1.00 / 75	0.75 / 56	3.9
01PA0052C	Ø76 / Ø126 x 3	4500	500	1 / 2	40	RESET 12	0.91 / 68	0.69 / 51	4.4
01PA0002C	Ø76 / Ø131 x 3	5000	500	1 / 2	45	RESET 12	0.84 / 63	0.63 / 47	5.0
01PA0053C	Ø76 / Ø136 x 3	5500	500	1 / 2	50	RESET 19	0.78 / 58	0.58 / 44	5.4
01PA0054C	Ø76 / Ø144 x 3	6000	800	1 / 2	59	RESET 19	0.73 / 54	0.54 / 40	6.0
01PA0003C	Ø76 / Ø149 x 4	6500	800	1 / 2	86	RESET 19	1.00 / 75	0.74 / 55	8.8
01PA0055C	Ø76 / Ø154 x 4	7000	800	1 / 2	94	RESET 19	0.96 / 72	0.70 / 52	9.5
01PA0004C	Ø76 / Ø159 x 4	7500	800	1 / 2	102	RESET 19	0.92 / 62	0.67 / 50	10.3
01PA0096C	Ø76 / Ø164 x 4	8000	800	1 / 2	110	RESET 19	0.88 / 66	0.64 / 48	11.1

Dimensional tolerance according EN40-2.

P x P x S : plate dimensions [mm]	i: plate holes interaxis [mm]	D: central hole [mm]	d: holes for metal anchors [mm]
250 x 250 x 12	i=185	D=122	d=18
250 x 250 x 12	i=185	D=127	d=18
250 x 250 x 12	i=185	D=132	d=18
250 x 250 x 15	i=185	D=137	d=18
250 x 250 x 15	i=185	D=145	d=18
300 x 300 x 15	i=220	D=150	d=18
300 x 300 x 15	i=220	D=155	d=18
300 x 300 x 15	i=220	D=160	d=18
300 x 300 x 15	i=220	D=165	d=18

Codes for versions with base plate are available on request.

Resistance to wind according EN40-3-1

Dimensioning and verification according to EN40-3, soil category II.
The choice of the pole will be endorsed after structural verification according to EN-40, depending on the area of installation. The values of the European wind map are only indicative: wind speeds must be defined by national authorities.

Passive safety EN12767

Performance in case of impact with a vehicle: class 0

Terrain categories for wind exposure

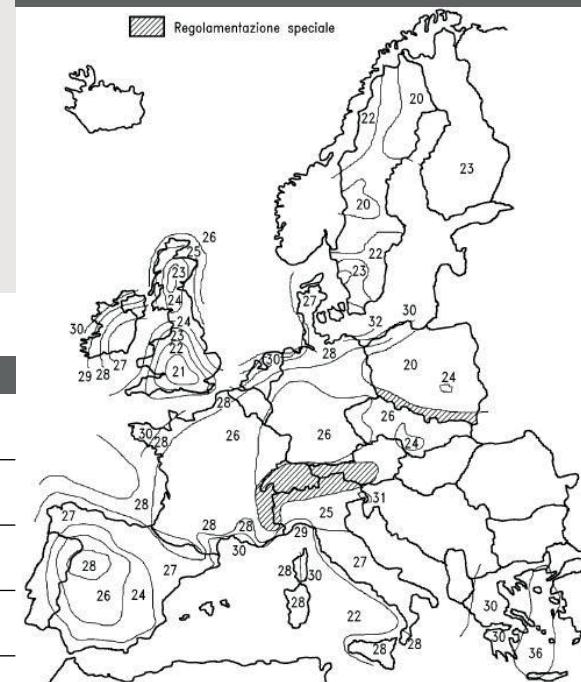
Terrain Category I: Seasides. At the edge of a lake with a length exposed to the wind of at least 5km. Flat even land without obstacles.

Terrain Category II: Fenced off cultivated land, some small agricultural buildings, houses or trees.

Terrain Category III: Suburban or industrial areas or permanent forests.

Terrain Category IV: Urban perimeters with at least 15% of the surface built on, and/or on which the average heights of buildings exceed 15m.

Eurocode installation zone ENV 1991-2-4: Europe



Eurocode installation zone ENV 1991-2-4: Italy

Zone	Description	Vref
1	Valle d'Aosta, Piedmont, Lombardy, Trentino Alto Adige, Veneto, Friuli Venezia Giulia (not Trieste)	25m/s
2	Emilia Romagna	25m/s
3	Tuscany, Marche, Umbria, Lazio, Abruzzo, Molise, Puglia, Campania, Basilicata, Calabria (not Reggio Calabria)	27m/s
4	Sicily and the province of Reggio Calabria	28m/s
5	Sardinia (area to the east of the line joining Capo Teulada with La Maddalena Island)	28m/s
6	Sardinia (area to the west of the line joining Capo Teulada with La Maddalena Island)	28m/s
7	Liguria	28m/s
8	Province of Trieste	30m/s
9	Islands (except for Sicily and Sardinia) and open sea	31m/s

