

# Cylindrical poles Ø 76 mm

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## Materials

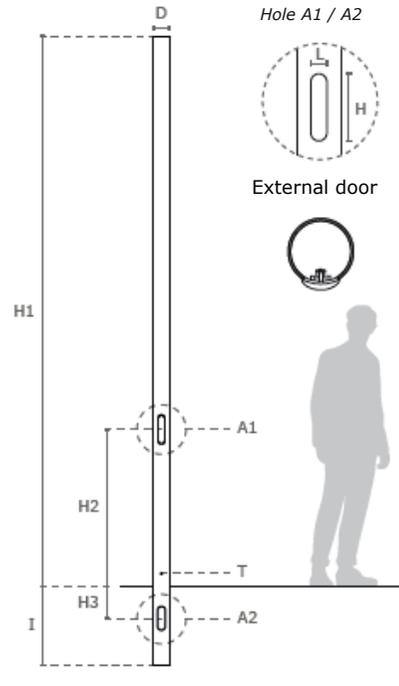
**Body:** made of steel profile S235 JR UNI EN10025 with subsequent circumferential welding of ERW electro-welded tubes with an approved MAW automatic process.  
Surface finish: hot dip galvanised in compliance with EN 1461 and subsequent powder coating colour, dark grey sablé 100 noir.

**Cap:** black polycarbonate top closure.

## Installation

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

**Electrical wiring:** Four-pole terminal board for cables 4x16mm<sup>2</sup>. 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: 38 x 132 mm
Hole height	H2: 1000 mm

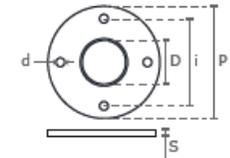
### A2 - Cable entry hole

Hole dimensions	LxH: 50 x 150 mm
Hole height	H3: -200 mm

## Base plate

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

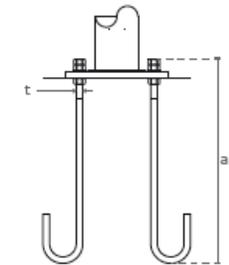
Height above ground of pole = H1 + I



## Metal anchors

Lenght	a = 300 mm
Thread	t = M12

Plate fixing with metal anchors



Codes for embedded versions	D: Diameter x thickness [mm]	H1: Height above ground [mm]	I: Embedding depth [mm]	Number of arms [n.º]	Pole weight [kg]	EN 40-3 Vref=25m/s [m <sup>2</sup> /daN]	EN40-3 Vref=29m/s [m <sup>2</sup> /daN]	Maximum Bending Moment [kN/m]
01PA0193C	Ø76 x 3	3000	500	1	26	0.67 / 50	0.50 / 37	1.6
01PA0194C	Ø76 x 3	3000	500	2	26	0.67 / 50	0.50 / 37	1.6
01PA0195C	Ø76 x 3	3500	500	1	31	0.53 / 39	0.39 / 29	1.8
01PA0196C	Ø76 x 3	3500	500	2	31	0.53 / 39	0.39 / 29	1.8
01PA0197C	Ø76 x 3	4000	500	1	35	0.42 / 31	0.30 / 22	2.1
01PA0198C	Ø76 x 3	4000	500	2	35	0.42 / 31	0.30 / 22	2.1

Dimensional tolerance according EN40-2.

ØP x S: plate dimensions [mm]	i: plate holes interaxis [mm]	D: central hole [mm]	d: holes for metal anchors [mm]
Ø180 x 10	Ø140	D=70	d=14
Ø180 x 10	Ø140	D=70	d=14
Ø180 x 10	Ø140	D=70	d=14
Ø180 x 10	Ø140	D=70	d=14
Ø180 x 10	Ø140	D=70	d=14
Ø180 x 10	Ø140	D=70	d=14

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**

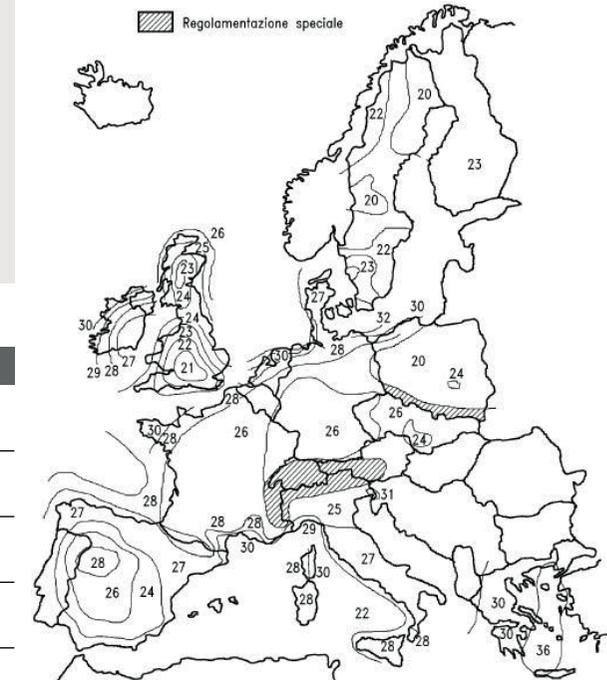
**Terrain Category I:** Seasides. At the edge of a lake with a length exposed to the wind of at least 5km. Flat even land without obstacles.

**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)	25 m/s
2	Emilia Romagna	25 m/s
3	Tuscany, Marche, Umbria, Lazio, Abruzzo, Molise, Puglia, Campania, Basilicata, Calabria (not Reggio Calabria)	27 m/s
4	Sicily and the province of Reggio Calabria	28 m/s
5	Sardinia (area to the east of the line joining Capo Teulada with La Maddalena Island)	28 m/s
6	Sardinia (area to the west of the line joining Capo Teulada with La Maddalena Island)	28 m/s
7	Liguria	28 m/s
8	Province of Trieste	30 m/s
9	Islands (except for Sicily and Sardinia) and open sea	31 m/s

