Cylindrical poles Ø 114 mm

Cariboni group

Materials

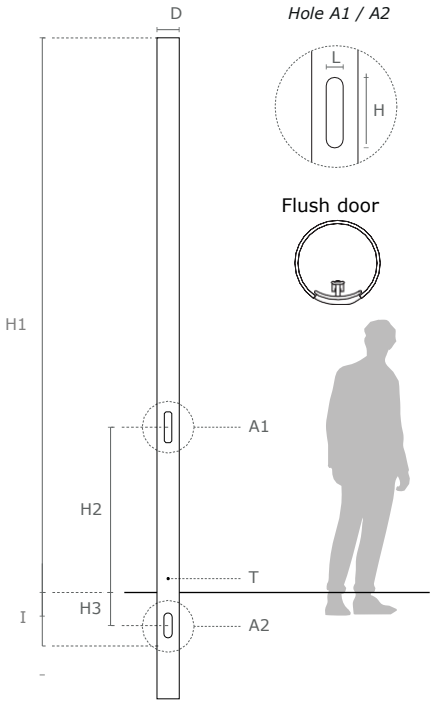
Body: made of steel profile S235 JR UNI EN10025 with subsequent circumferential welding of ERW electro-welded tubes with an approved MAW automatic process.
Surface finish: hot dip galvanised in compliance with EN 1461 and subsequent powder coating colour, dark grey sablé 100 noir.

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



Hole A1 / A2

Flush door

A1 - Terminal board hole and door

Hole dimensions	LxH: 45 x 186 mm
Hole height	H2: 1000 mm

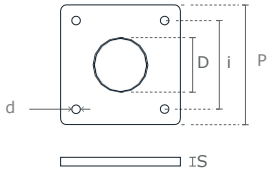
A2 - Cable entry hole

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

Base plate

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

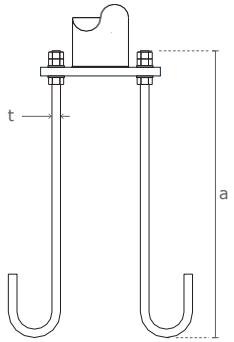
Height above ground of pole = H1 + I



Metal anchors

Lenght	a = 600 mm
Thread	t = M16

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.°]	Pole weight [kg]	EN 40-3 Vref=25m\s [m²/daN]	EN40-3 Vref=29m\s [m²/daN]	Maximum Bending Moment [kN/m]	P x P x S : plate dimensions [mm]	i: plate holes interaxis [mm]	D: central hole [mm]	d: holes for metal anchors [mm]
01PA0016C	Ø 114 x 3	6500	800	1	67	0,43 / 32	0,31 / 23	4,90	250 x 250 x 12	i = 185	D = 115	d = 18
01PA0017C	Ø 114 x 4	6500	800	2	88	0,64 / 48	0,48 / 36	6.50	250 x 250 x 15	i = 185	D = 115	d = 18
01PA0099C	Ø 114 x 3	7000	800	1	71	0,33 / 25	0,24 / 18	4,90	250 x 250 x 12	i = 185	D = 115	d = 18
01PA0100C	Ø 114 x 4	7000	800	2	94	0,53 / 39	0,39 / 29	6.50	250 x 250 x 15	i = 185	D = 115	d = 18
01PA0101C	Ø 114 x 3	7500	800	1	76	0,26 / 20	0,17 / 13	4,90	250 x 250 x 12	i = 185	D = 115	d = 18
01PA0018C	Ø 114 x 4	7500	800	2	100	0,44 / 33	0,31 / 23	6.50	250 x 250 x 15	i = 185	D = 115	d = 18
01PA0102C	Ø 114 x 3	8000	800	1	80	0,19 / 14	0,12 / 09	4,90	250 x 250 x 12	i = 185	D = 115	d = 18
01PA0125C	Ø 114 x 4	8000	800	2	107	0,36 / 27	0,24 / 18	6.50	250 x 250 x 15	i = 185	D = 115	d = 18

Dimensional tolerance according EN40-2.

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