

MAIN ADVANTAGES



No electrical conductivity



Eco friendly



Easy to assemble



High mechanical resistance



Low weight



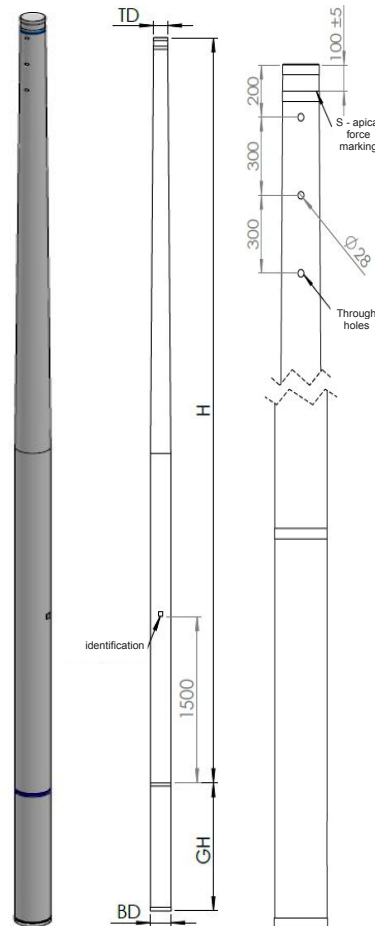
UV protection

EKO Composite Energy Pole Mounted in the Ground

Column symbol	LPH (m)	H (m)	GH (m)	BD (mm)	TD (mm)	PF (kN)	S Colour	Max PF (kN)	W (kg)	Classification EN 12767:2019 (EN 12767:2008)
EKO 9,0/2,5kN	9,0	7,2	1,8	193	150	2,5	White	3	51	Class 0
EKO 9,0/4,5kN	9,0	7,0	2,0	193	150	4,5	Blue	5,4	57,5	
EKO 9,0/6kN	9,0	7,0	2,0	220	173	6	Black	7,2	66	
EKO 10,5/2,5kN	10,5	8,7	1,8	193	150	2,5	White	3	60,5	
EKO 10,5/4,5kN	10,5	8,6	1,9	193	150	4,5	Blue	5,4	67,5	
EKO 10,5/4,5kN	10,5	8,6	1,9	193	173	4,5	Blue	5,4	70	
EKO 10,5/6kN	10,5	8,4	2,1	250	173	6	Black	7,2	86	
EKO 10,5/11kN	10,5	8,3	2,2	280	173	11	Red	13,2	116,5	
EKO 12/2,5kN	12,0	10,1	1,9	220	173	2,5	White	3	68	
EKO 12/4,5kN	12,0	9,9	2,1	250	173	4,5	Blue	5,4	98,5	
EKO 12/6kN	12,0	9,8	2,2	250	218	6	Black	7,2	101,5	

Technical data for Composite Pole

Vehicle impact classification	Class 0 (Not tested)
Finish	Smooth surface with seam; conical/bottle shape. Pole made of fiberglass-reinforced composite.
Resistance	Corrosion-resistant (including fungal), UV- and salt-resistant, non-conductive, anti-graffiti, anti-poster, and easy-to-clean surface.
Pole Length (LPH)	Standard total length of the pole
Height (H)	Standard height above ground level
Mounting (GH)	Direct burial installation. Minimum burial depth selected for average soil category. Verification of soil type and compliance with Building Law is the responsibility of the project designer and depends on specific site conditions.
Base Diameter (BD)	Standard diameter at the pole base
Top Diameter (TD)	Standard diameter at the pole top
Apical force (PF)	Maximum working force at the pole top
Apical fore marking (S)	Color marking indicating the top load capacity of the pole
Breaking Strength (Max PF)	Breaking force at the top of the pole (Safety factor = 1.2) Wind load per PN-EN 1991-1-4, terrain category II, Cv = 26 m/s, class B, outside stiffness classification Design and verification per PN-EN 40-3-1, PN-EN 40-3-3, PN-EN 40-7 Dimensions and tolerances per PN-EN 40-2 Certificate of Conformity of the Factory Production Control (FPC) for Composite Poles No CE marking / B marking – only Manufacturer's Declaration of Conformity
Standards	Low Voltage (LV) overhead line – 0.4 kV with insulated AsXSn conductors, cross-sections from 25 to 120 mm ² , in single- and double-circuit configurations, including lighting lines. Medium Voltage (MV) overhead line – 15 to 20 kV, used as a replacement solution; only licensed manufacturers are authorized to produce these structures.
Application	Through (line), strain, and terminal poles.
Types	Poles with custom parameters can be manufactured on request.
Additional Information	Design of the line layout and selection of appropriate pole based on apical force is the responsibility of the project designer.

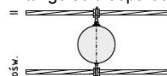


Mounting Example – Through Pole

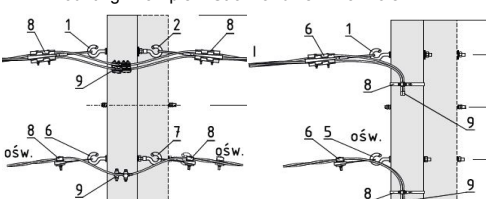
Single- or double-circuit line with lighting circuit.

*Fittings: Through-corner clamp (4), M12 hook bolt (3), Nut hook (2), M16/M20 hook 4 bolt (1)

*Fittings sold separately



Mounting Example – Strain and Terminal Pole



Colour



RAL 7042



RAL

Possibility to produce poles in any RAL colour