

MAIN ADVANTAGES



No electrical conductivity



Eco friendly



Easy to assemble



High mechanical resistance



Low weight



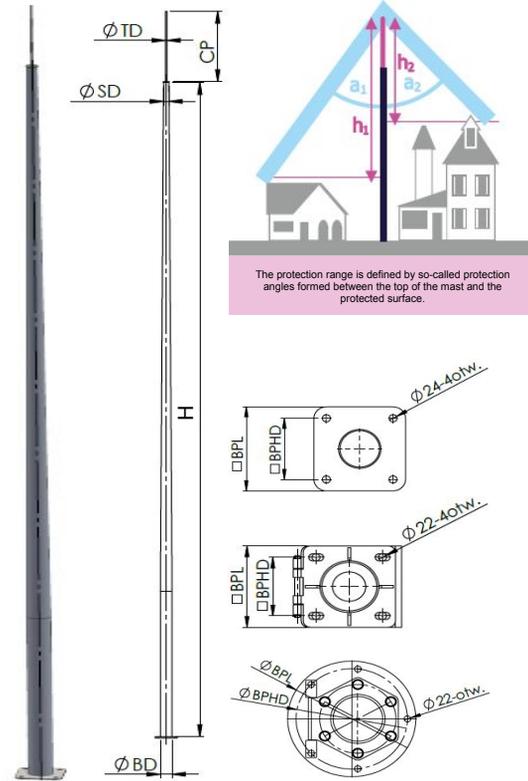
UV protection

SKPF-OD Composite Lightning Protection Mast on Foundation

Product code	H (m)	BD (mm)	SD (mm)	TD (mm)	CP (mm)	BPHD (mm)	BPL (mm)	W (kg)	Steel base plate	Number of parts / Guy wires	Protection range of passive (traditional) air terminals					
											Protection level I		Protection level II		Protection level III	
											Rp (m)	Protection angle	Rp (m)	Protection angle	Rp (m)	Protection angle
SKPF-OD 5,0/120/65	5,0	120	65	16	1000	200	275	21	Without hinge Square	1 / No	8,6	55	10,8	61	14,1	67
SKPF-OD 6,0/120/65	6,0							23,5			9,3	53	11,7	59	15,7	66
SKPF-OD 7,0/120/65	7,0							25,5			9,5	50	12,3	57	16,4	64
SKPF-OD 8,0/120/65	8,0							28			9,7	47	12,9	55	16,9	62
SKPF-OD 9,0/145/65	9,0							30			10,0	45	13,3	53	17,3	60
SKPF-OD 10,0/145/65	10,0	145	65	16	1000	180	250	40,5	Hinged Square	2 / Yes	9,9	42	14,1	52	19,1	60
SKPF-OD 11,0/145/65	11,0							46,5			9,9	40	14,3	50	19,2	58
SKPF-OD 12,0/145/65	12,0							54			10,2	38	14,4	48	19,3	56
SKPF-OD 13,0/175/65	13,0							105,5			9,8	35	14,5	46	19,3	54
SKPF-OD 14,0/175/65	14,0							110,5			9,7	33	15,0	45	19,9	53
SKPF-OD 15,0/175/65	15,0	175	65	16	1000	180	250	114,5	Hinged Square	2 / Yes	9,6	31	14,9	43	20,5	52
SKPF-OD 16,0/175/65	16,0							119			9,0	28	15,3	42	21,0	51
SKPF-OD 17,0/175/65	17,0							124			8,8	26	15,7	41	21,5	50
SKPF-OD 18,0/200/65	18,0							188			8,9	25	15,9	40	21,9	49
SKPF-OD 19,0/200/65	19,0							205,5			7,7	21	15,1	37	21,5	47
SKPF-OD 20,0/200/65	20,0	200	65	16	1000	365	420	211	Hinged Round	2 / Yes	-	-	14,7	35	21,8	46
SKPF-OD 21,0/200/65	21,0							219			-	-	14,8	34	22,0	45

Technical Data – Composite Pole

Finish	Smooth round surface with seam, conical/cylindrical shape, pole made of fiberglass-reinforced composite.
Resistance	Corrosion-resistant (including fungal), UV-resistant, salt-resistant, non-conductive, anti-graffiti, anti-poster, easy-to-clean surface.
Height (H)	Standard pole height above ground level (without lightning rod tip).
Base Diameter (BD)	Standard pole diameter at ground level.
Top Diameter (SD)	Standard pole top diameter.
Lightning Rod (TD) (CP)	Standard dimension of the lightning rod (tip).
Mounting (BPHD) (BPL)	Pole mounted on a foundation using a hot-dip galvanized steel base. The selection of the type and dimensions of the foundation depends on site conditions, and the responsibility for correct design in accordance with Building Law rests with the Project Designer.
Weight (W)	Total mass of the pole including lightning protection system.
Lightning Rod (Standard)	Passive – Traditional (aluminum tip PA38).
Lightning Rod (Optional)	Passive – Dynasphere (Protection area always 45 m radius) Active – ESE Interceptor (early streamer emission, NFC 17-102)
Lightning Protection Installation (Standard)	Drain pipe Ø50 mm PP, 2 m; conductor rope 70/120 mm ² ; inspection chamber; stainless steel cross connector; down conductor made of steel-aluminum rope, AFL-6-120; other stainless steel fasteners; reducing ring.
Standards for Lightning Protection Installation	PN-EN 62305-1:2011 Lightning protection – general principles PN-EN 62561-1:2012 Lightning protection components PN-EN 62561-2:2012 Lightning protection components Manufacturer's Declaration of Conformity
Standards for the Pole (Structure)	Wind load according to PN-EN 1991-1-4 for terrain category II, C-v = 22 m/s, Class B, stiffness class >10% Design and verification according to PN-EN 40-3-1, PN-EN 40-3-3, PN-EN 40-7 Dimensions and tolerances according to PN-EN 40-2 No CE / B mark – Manufacturer's Declaration of Conformity only
Additional Information	Possibility to produce poles with non-standard parameters and additional accessories.



Colour

Standard colours:

Gelcoat base: 10000
RAL palette (equivalent): 9010

Possibility to produce poles in any RAL colour

WHAT ARE PROTECTION LEVELS

Protection level	Protection level I	Protection level II	Protection level III
Description	Highest level of protection Maximum lightning parameters are unlikely to be exceeded (99% effectiveness)	Above-average protection (97% effectiveness)	Standard protection (91% effectiveness)
Applications	military buildings, data centers, nuclear power plants, special installations	explosion-hazard zones, industrial plants, hospitals, power plants	museums, churches, office buildings, public buildings with low occupancy, residential buildings up to 20 units

The classification is compliant with PN-EN 62561-2012 standard.



System zarządzania ISO 9001:2015
www.tuv.com ID: 900020354



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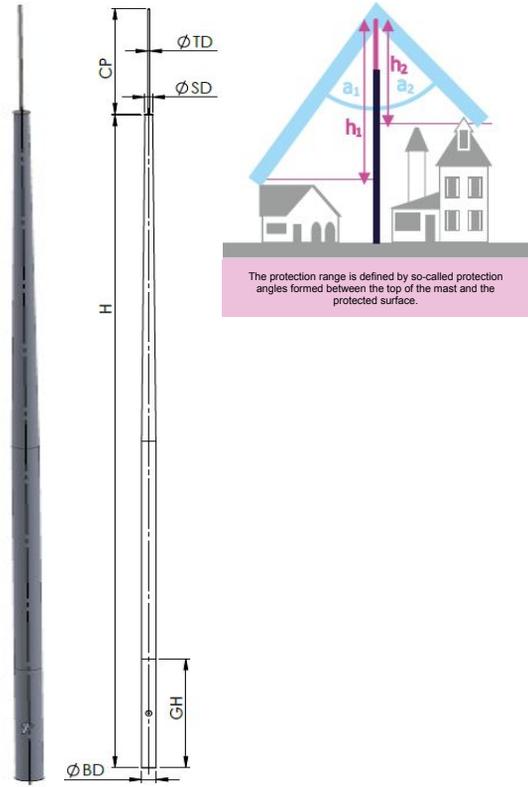
UV protection

SKPW-OD Composite Lightning Protection Mast – Buried Type

Product code	H (m)	GH (mm)	BD (mm)	SD (mm)	TD (mm)	CP (mm)	W (kg)	Number of parts / Guy wires	Protection range of passive (traditional) air terminals					
									Protection level I		Protection level II		Protection level III	
									Rp (m)	Protection angle	Rp (m)	Protection angle	Rp (m)	Protection angle
SKPW-OD 5,0/120/65	5,0	1000	120	65	16	1000	14,5	1 / No	8,6	55	10,8	61	14,1	67
SKPW-OD 6,0/120/65	6,0	1000	120				17,5		9,3	53	11,7	59	15,7	66
SKPW-OD 7,0/120/65	7,0	1200	120				19		9,5	50	12,3	57	16,4	64
SKPW-OD 8,0/120/65	8,0	1200	120				21		9,7	47	12,9	55	16,9	62
SKPW-OD 9,0/145/65	9,0	1500	145				24		10,0	45	13,3	53	17,3	60
SKPW-OD 10,0/145/65	10,0	1500	145				28,5		9,9	42	14,1	52	19,1	60
SKPW-OD 11,0/145/65	11,0	1500	145				36	10,1	40	14,3	50	19,2	58	
SKPW-OD 12,0/175/65	12,0	1800	175				2 / Yes	72	10,2	38	14,4	48	19,3	56
SKPW-OD 13,0/175/65	13,0	2000	175					83,5	9,8	35	14,5	46	19,3	54
SKPW-OD 14,0/175/65	14,0	2000	175					90	9,7	33	15,0	45	19,9	53
SKPW-OD 15,0/175/65	15,0	2000	175					92	9,6	31	14,9	43	20,5	52
SKPW-OD 16,0/175/65	16,0	2000	175					96,5	9,0	28	15,3	42	21,0	51
SKPW-OD 17,0/175/65	17,0	2000	175					113	8,8	26	15,7	41	21,5	50
SKPW-OD 18,0/200/65	18,0	2000	200					118,5	8,9	25	15,9	40	21,9	49
SKPW-OD 19,0/200/65	19,0	2000	200					144	7,7	21	15,1	37	21,5	47
SKPW-OD 20,0/200/65	20,0	2000	200					151	-	-	14,7	35	21,8	46
SKPW-OD 21,0/200/65	21,0	2000	200					156,5	-	-	14,8	34	22,0	45

Technical Data – Composite Pole

Finish	Smooth round surface with seam, conical/cylindrical shape, pole made of fiberglass-reinforced composite.
Resistance	Corrosion-resistant (including fungal), UV-resistant, salt-resistant, non-conductive, anti-graffiti, anti-poster, easy-to-clean surface.
Height (H)	Standard pole height above ground level (without lightning rod tip).
Base Diameter (BD)	Standard pole diameter at ground level.
Top Diameter (SD)	Standard pole top diameter.
Lightning Rod (TD) (CP)	Standard dimension of the lightning rod (tip).
Mounting (BPHD) (BPL)	Embedded pole. Nominal embedment depths are selected based on the average soil category. Verification of soil type depends on site-specific conditions, and the responsibility for inspection and selection in accordance with Building Law regulations rests with the Project Designer.
Weight (W)	Total mass of the pole including lightning protection system.
Lightning Rod (Standard)	Passive – Traditional (aluminum tip PA38).
Lightning Rod (Optional)	Passive – Dynasphere (Protection area always 45 m radius) Active – ESE Interceptor (early streamer emission, NFC 17-102)
Lightning Protection Installation (Standard)	Drain pipe Ø50 mm PP, 2 m; conductor rope 70/120 mm ² ; inspection chamber; stainless steel cross connector; down conductor made of steel-aluminum rope, AFL-6-120; other stainless steel fasteners; reducing ring.
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