



A silicone polymer line post insulator mainly consists of a core rod (ECR type or FRP type), silicone rubber housing and metal end fittings. Usually, polymer line post insulators are mounted to a supporting structure such as wooden/steel pole or tower through an additional base. WINNING® supplies line post insulators with FOUR core sizes for distribution line applications from 15kV to 69kV, and FIVE mold sizes for transmission line applications of various voltage levels from 69kV up to 500kV.

Core- Made of high-quality Pultruded Epoxy Rod (ECR type).

End Fittings- Ductile Iron after Hot Dip Galvanization in accordance with IEC & ASTM standard.

Base- They are mainly Rigid Curved Base, Bendable Curved Base (also called as Gain Base) and Flat Base (Steel Channel), Flange Base and Stud Base (for insulators below 69kV).

Silicone Rubber Housing- HTV Silicone Rubber made of high quality raw materials.

Corona Ring- Made of High-grade Aluminum Alloy.

Sealing- Juncture between end fitting and Core rod is totally embedded in HTV silicon rubber, eliminating conventional and traditional sealing defects. (The other type is available that use RTV Silicone Sealant to seal the juncture between end fitting and core rod.)

Pin Type Line Post Insulators: Simple Tie Top, F Neck Cap type; 15kV to 35kV distribution line.

Vertical Line Post Insulators: Vertical Top Clamp, K-Clamp;

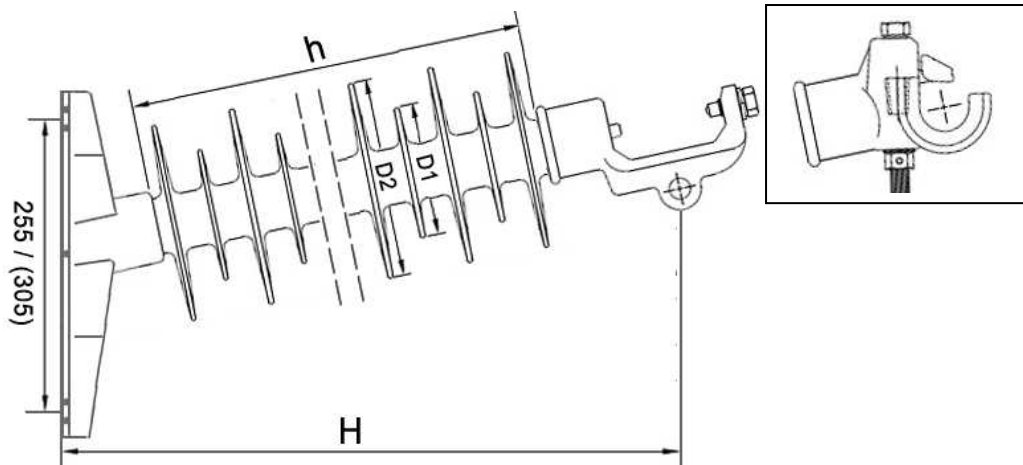
Horizontal Line Post Insulators: Horizontal Top Clamp, Two-Hole Blade (Drop Tongue)

Brace Line Post Insulator: Combination of Silicone Polymer Long Rod Suspension Insulator and Silicone Polymer Horizontal Line Post Insulator.





15kV to 42.5kV Horizontal Line Post Insulators

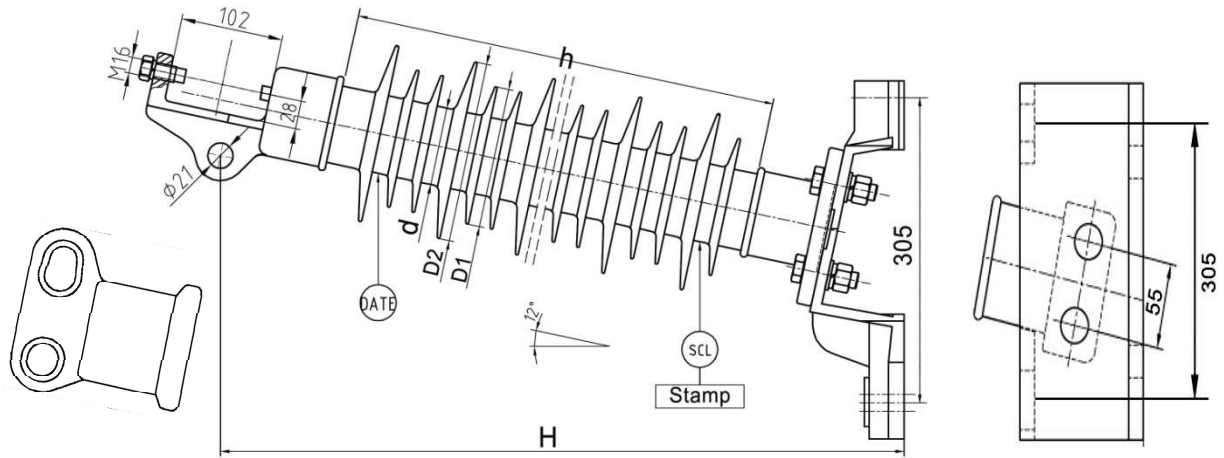


Model	Rated Voltage (kV)	Specified Cantilever Load (kN)	Section Length H-(mm)	Leakage Distance (mm)	Rod and Shed Dia. d/D1/D2 Φ(mm)	Power Freq. Wet Withstand Voltage (kV); ≥	Lightning Impulse Withstand Voltage (kV); ≥
FHLP1-15/12.5	15	8	265	385	38/92/122	55	130
FHLP2-15/12.5	15	10	308	448	40/100/115	55	130
FHLP3-15/12.5	15	11	295	465	41/105/130	55	130
FHLP4-15/12.5	15	12.5	275	420	46/85/105	55	130
FHLP1-25/10	25	8	325	585	38/92/122	72	170
FHLP2-25/10	25	10	389	660	40/100/115	72	170
FHLP3-25/11	25	11	373	710	41/105/130	72	170
FHLP4-25/12.5	25	12.5	375	665	46/85/105	72	170
FHLP1-35/10	35	8	405	885	38/92/122	98	215
FHLP2-35/10	35	10	443	853	40/100/115	98	215
FHLP3-35/11	35	11	425	880	41/105/130	98	215
FHLP4-35/12.5	35	12.5	475	910	46/85/105	98	215
FHLP1-46/10	46	8	485	1185	38/92/122	125	260
FHLP2-46/10	46	10	497	1018	40/100/115	125	260
FHLP3-46/11	46	11	503	1145	41/105/130	125	260
FHLP4-46/12.5	46	12.5	575	1155	46/85/105	125	260

For other section lengths, end fitting combinations and bases, please send us your requirements.



69kV to 500kV Horizontal Line Post Insulators

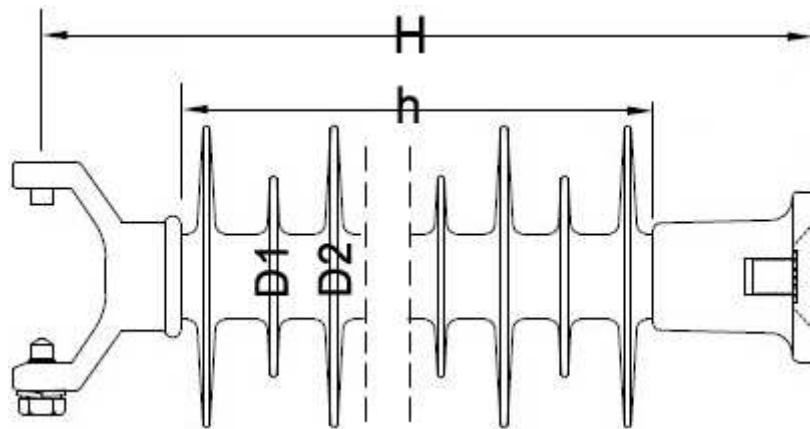


Model	Rated Voltage (kV)	Specified Cantilever Load (kN)	Section Length H-(mm)	Leakage Distance (mm)	Rod and Shed Dia. d/D1/D2 Φ(mm)	Power Freq. Wet Withstand Voltage (kV); ≥	Lightning Impulse Withstand Voltage (kV); ≥
FHLP1-69/10.5	69	10.5	720/945	2245	60/130/160	175	380
FHLP1-115/10.5	115	10.5	1020/1245	3220	60/130/160	325	650
FHLP1-138/10.5	138	10.5	1320/1545	4155	60/130/160	420	780
FHLP1-220/10.5	220	10.5	1980/2145	6246	60/130/160	600	1050
FHLP2-69/12	69	12	710/935	2320	60/142/175	175	380
FHLP2-115/12	115	12	1035/1260	3820	60/142/175	325	665
FHLP2-138/11	138	11	1155/1380	4265	60/142/175	420	780
FHLP2-220/10	220	10	1935/2160	7050	60/142/175	600	1050
FHLP3-69/12.5	69	12.5	715/940	2065	70/145/175	170	380
FHLP3-115/12.5	115	12.5	1065/1290	3170	70/145/175	325	650
FHLP3-138/12.5	138	12.5	1375/1600	4250	70/145/175	420	780
FHLP3-220/12.5	220	12.5	1975/2200	6030	70/145/175	600	1060
FHLP4-69/12.5	69	12.5	728/953	2154	80/155/185	175	380
FHLP4-115/12.5	115	12.5	1088/1313	3260	80/155/185	325	650
FHLP4-138/12.5	138	12.5	1376/1600	4147	80/155/185	420	780
FHLP4-161/12.5	161	12.5	1592/1817	4810	80/155/185	485	875
FHLP4-220/12.5	220	12.5	2024/2249	6140	80/155/185	600	1050
FHLP4-330/10	330	10	2528/2755	7690	80/155/185	765	1500
FHLP4-420/6	420	6	3320/3545	10125	80/155/185	800	1750
FHLP4-500/3.8	500	3.8	4420/4570	13450	80/155/185	850	1950

For other section lengths, end fitting combinations and bases, please send us your requirements.



15kV to 46kV Horizontal Line Post Insulators

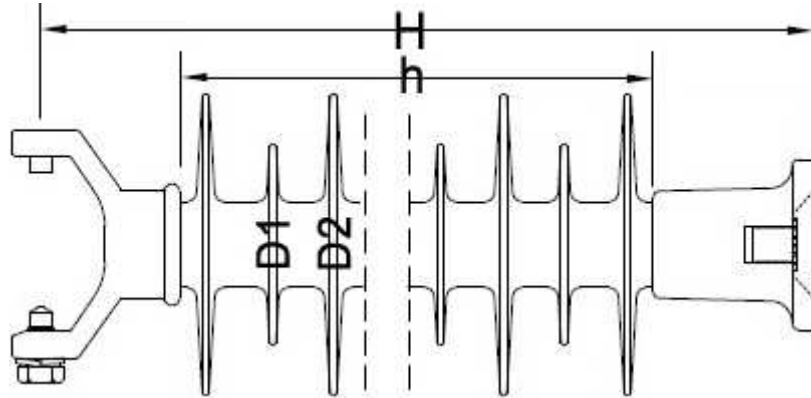


Model	Rated Voltage (kV)	Specified Cantilever Load (kN)	Section Height H-(mm)	Dry Arc Distance L-(mm)	Leakage Distance (mm)	Power Freq. Wet Withstand Voltage (kV); ≥	Lightning Impulse Withstand Voltage (kV); ≥
FHLP1-15/12.5	15	8	265	385	38/92/122	55	130
FHLP2-15/12.5	15	10	308	448	40/100/115	55	130
FHLP3-15/12.5	15	11	295	465	41/105/130	55	130
FHLP4-15/12.5	15	12.5	275	420	46/85/105	55	130
FHLP1-25/10	25	8	325	585	38/92/122	72	170
FHLP2-25/10	25	10	389	660	40/100/115	72	170
FHLP3-25/11	25	11	373	710	41/105/130	72	170
FHLP4-25/12.5	25	12.5	375	665	46/85/105	72	170
FHLP1-35/10	35	8	405	885	38/92/122	98	215
FHLP2-35/10	35	10	443	853	40/100/115	98	215
FHLP3-35/11	35	11	425	880	41/105/130	98	215
FHLP4-35/12.5	35	12.5	475	910	46/85/105	98	215
FHLP1-46/10	46	8	485	1185	38/92/122	125	260
FHLP2-46/10	46	10	497	1018	40/100/115	125	260
FHLP3-46/11	46	11	503	1145	41/105/130	125	260
FHLP4-46/12.5	46	12.5	575	1155	46/85/105	125	260

For other section lengths, end fitting combinations and bases, please send us your requirements.



69kV to 138kV Horizontal Line Post Insulators



Model	Rated Voltage (kV)	Specified Cantilever Load (kN)	Section Height H-(mm)	Dry Arc Distance L-(mm)	Leakage Distance (mm)	Power Freq. Wet Withstand Voltage (kV); ≥	Lightning Impulse Withstand Voltage (kV); ≥
FHLP1-69/10.5	69	10.5	720/945	2245	60/130/160	175	380
FHLP1-115/10.5	115	10.5	1020/1245	3220	60/130/160	325	650
FHLP1-138/10.5	138	10.5	1320/1545	4155	60/130/160	420	780
FHLP2-69/12	69	12	710/935	2320	60/142/175	175	380
FHLP2-115/12	115	12	1035/1260	3820	60/142/175	325	665
FHLP2-138/11	138	11	1155/1380	4265	60/142/175	420	780
FHLP3-69/12.5	69	12.5	715/940	2065	70/145/175	170	380
FHLP3-115/12.5	115	12.5	1065/1290	3170	70/145/175	325	650
FHLP3-138/12.5	138	12.5	1375/1600	4250	70/145/175	420	780
FHLP4-69/12.5	69	12.5	728/953	2154	80/155/185	175	380
FHLP4-115/12.5	115	12.5	1088/1313	3260	80/155/185	325	650
FHLP4-138/12.5	138	12.5	1376/1600	4147	80/155/185	420	780

For other section lengths, end fitting combinations and bases, please send us your requirements.

Upper Fittings for Line Post Insulators

Two-Hole Blade (Drop Tongue); K-Clamp; Horizontal Clamp Top; Vertical Clamp Top;





WINNING ELECTRICAL CO., LIMITED

—SOLUTION, QUALITY, COOPERATION

Bottom Fittings and Base for Line Post Insulators (Existing Types)

(Square/Round) Flange, Rigid Flat/Curved Base;



Bendable Curved/Flat Base, Different End Fitting Type Available



E-mail: sales@winning-electrical.com

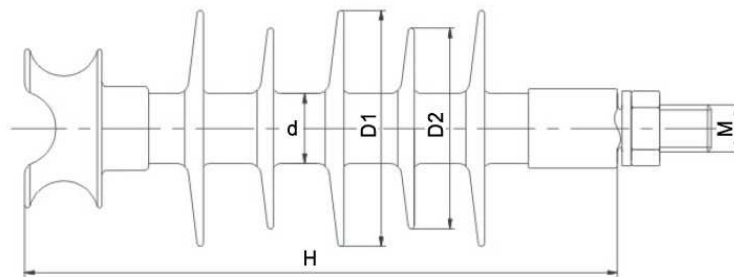
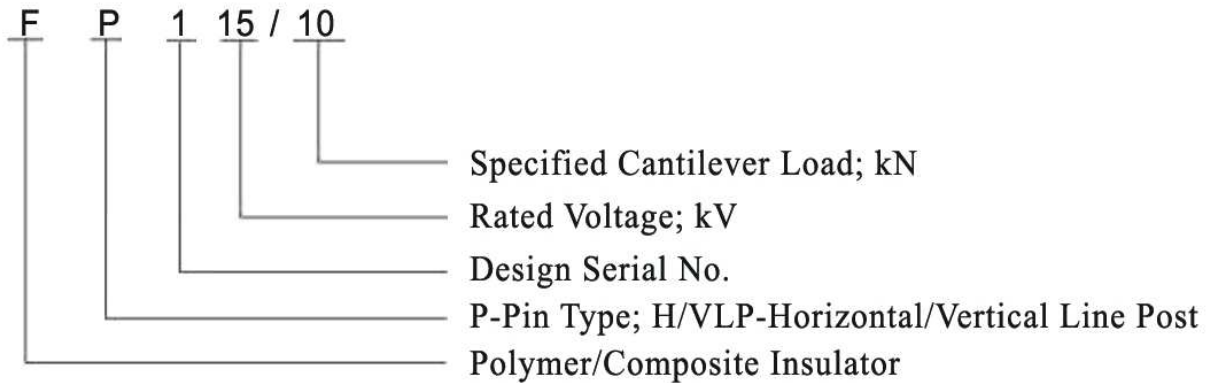
Website: www.winning-electrical.com

Tel/Fax: 86-575-82002752

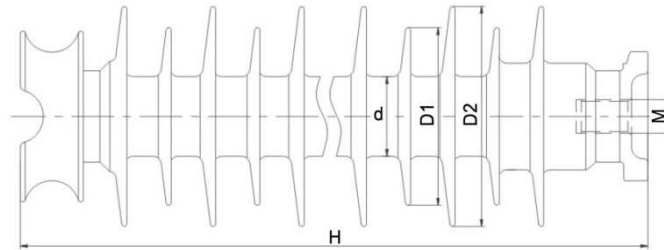
Mobile: 86-133 2575 6220



Part 3: Pin type Line Post Insulators (Tie Top, C and F Neck)

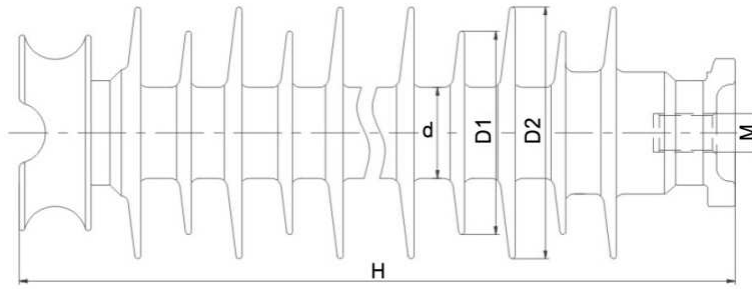


Model	Rated Voltage (kV)	SCL (kN)	Section Height H-(mm)	Leakage Distance (mm)	Shed Dia. d/D2/D1 Φ(mm)	Power Freq. Wet Withstand Voltage (kV); ≥	Lightning Impulse Withstand Voltage (kV); ≥	Weight (kg)
FP2-15/5-M16	15	5	210	355	30/86/101	40	95	1.00
FP2-15/5-M20	15	5	240	450	30/86/101	40	95	1.05
FPQ-10/3-M20	15	3	245	465	30/110/145	40	95	1.05
FPQ-24/6-M22	24	6	290	740	40/90/125	75	145	2.25
FPQ-24/8-M22	24	8	330	780	44/92/122	75	145	2.20
FPQ-33/6-M22	33	6	340	920	40/90/125	80	170	3.25
FPQ-33/8-M22	33	8	380	960	44/92/122	80	170	3.20



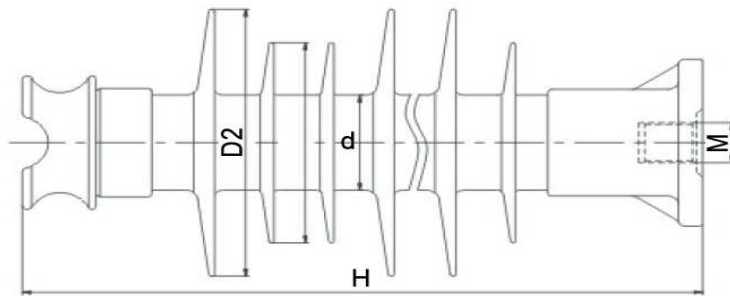
Model	Rated Vol. (kV)	SCL (kN)	Section Height H-(mm)	Leakage Distance (mm)	Shed Dia. d/D1/D2 (mm)	Power Freq. Wet Withstand Voltage (kV); ≥	Lightning Impulse Withstand Voltage (kV); ≥	Weight (kg)
FP-15/12.5-M3/4"	15	12.5	250	520	41/100/115	50	105	2.06
FP-15/12.5-M20	15	12.5	250	520	41/100/115	50	105	2.05
FP-15/12.5-M24	15	12.5	250	520	41/100/115	50	105	1.75
FP3-15/12.5-M20	15	12.5	253	525	41/100/115	50	105	2.12
FP-15/12.5-M16	15	12.5	242	505	41/100/115	50	105	1.87
FP-15/12-M18	15	12.5	252	550	41/100/115	50	105	1.80
FP1-15/12.5-M20	15	12.5	235	510	41/100/115	50	105	1.87
FP-15/12.5-M24	15	12.5	250	509	41/100/115	50	105	1.75
FP-24/12.5-M20	24	12.5	275	596	41/100/115	75	145	2.04
FP-24/12.5-M22	24	12.5	300	596	41/100/115	75	145	2.81
FP-24/11-M22	24	11	310	695	41/100/115	75	145	3.14
FP-24/12.5-M16	24	12.5	271	670	41/105/126	75	145	1.73
FP-24/12.5-M20	24	12.5	300	760	41/105/126	75	145	2.29
FP-24/12.5-M22	24	12.5	297	762	41/105/126	75	145	2.22
FP3-24/12.5-M24	24	12.5	300	762	41/105/126	75	145	2.16
FP-24/12.5-M24	24	12.5	330	770	41/105/126	75	145	2.32
FP3-24/12.5-M24	24	12.5	359	770	41/105/126	75	145	2.45
FP-35/12.5-M20	35	12.5	410	954	41/105/126	95	230	3.21
FP-35/12.5-M22	35	12.5	410	954	41/105/126	95	230	3.35
FP-24/12-M16	24	12.5	310	685	41/100/115	75	145	2.97
FP-24/10-M22	24	10	321	686	41/100/115	75	145	2.59
FP-24/12.5-M3/4"	24	12.5	320	685	47/100/115	75	145	2.65
FP-24/12.5-M20	24	12.5	320	685	47/100/115	75	145	2.65
FP-35/12.5-M3/4"	35	12.5	410	965	47/100/115	95	230	3.16
FP-35/12.5-M20	35	12.5	410	965	47/100/115	95	230	3.16
FP2-35/12-M20	35	12	435	1145	47/105/130	100	235	3.65
FP2-35/12.5-M22	35	12.5	435	1145	47/105/130	100	235	3.65
FP2-35/12.5-M24	35	12.5	435	1150	47/105/130	100	235	3.49
FP3-35/12-M24	35	12	568	1155	52/85/105	110	250	4.24

For other section lengths, end fitting combinations and bases, please send us your requirements.



Model	Rated Vol. (kV)	SCL (kN)	Section Height H-(mm)	Leakage Distance (mm)	Shed Dia. d/D1/D2 (mm)	Power Freq. Wet Withstand Voltage (kV); ≥	Lightning Impulse Withstand Voltage (kV); ≥	Weight (kg)
FP2-15/12.5-M3/4"	15	12.5	250	520	47/105/130	50	105	2.06
FP2-15/12.5-M20	15	12.5	250	520	47/105/130	50	105	2.05
FP2-15/12.5-M24	15	12.5	250	520	47/105/130	50	105	1.75
FP4-15/12.5-M20	15	12.5	253	525	47/105/130	50	105	2.12
FP2-15/12.5-M16	15	12.5	242	505	47/105/130	50	105	1.87
FP2-15/12-M18	15	12.5	252	550	47/105/130	50	105	1.80
FP2-15/12.5-M20	15	12.5	235	510	47/105/130	50	105	1.87
FP2-15/12.5-M24	15	12.5	250	509	47/105/130	50	105	1.75
FP2-24/12.5-M20	24	12.5	275	596	47/105/130	75	145	2.04
FP2-24/12.5-M22	24	12.5	300	596	47/105/130	75	145	2.81
FP2-24/11-M22	24	11	310	695	47/105/130	75	145	3.14
FP2-24/12-M16	24	12	310	685	47/105/130	75	145	2.97
FP2-24/10-M22	24	10	321	686	47/105/130	75	145	2.59
FP2-27/12.5-M22	27	12.5	358	795	46/100/115	75	145	3.19
FP2-36/10-M22	36	10	465	875	46/100/115	75	145	4.10
FP4-35/12.5-M20	35	12.5	435	1157	52/85/105	95	230	3.65
FP4-35/12.5-M22	35	12.5	435	1157	52/85/105	95	230	3.50
FP4-35/12.5-M24	35	12.5	435	1157	52/85/105	95	230	3.48
FP6-35/12.5-M24	35	12.5	677	1158	52/85/105	95	230	4.89
FP7-35/12.5-M24	35	12.5	591	1158	52/85/105	95	230	4.66
FP8-35/12.5-M24	35	12.5	568	1158	52/85/105	95	230	4.24
FP6-35/6-M20	35	6	520	1035	52/85/105	95	230	4.50
FP6-35/6-M22	35	6	520	1035	52/85/105	95	230	4.48

For other section lengths, end fitting combinations and bases, please send us your requirements.



Model	Rated Vol. (kV)	SCL (kN)	Section Height H-(mm)	Leakage Distance (mm)	Shed Dia. d/D1/D2 (mm)	Power Freq. Wet Withstand Voltage (kV); ≥	Lightning Impulse Withstand Voltage (kV); ≥	Weight (kg)
FP-36/12.5-M3/4"	36	12.5	395	810	47/100/115	125	250	2.93
FP-36/10-M22	36	10	465	875	47/100/115	125	250	4.10
FP2-36/10-M22	36	10	465	875	47/100/115	125	250	4.10
FP1-66/8-M24	66	8	610	1435	57//120/160	185	400	6.85
WFP-15/12-M20	15	12	250	520	41/100/115	50	105	2.05
WFP1-15/12-M20	15	12	235	510	41/100/115	50	105	1.87
WFP-24/12-M22	24	12	300	596	41/100/115	75	145	2.81
WFP-24/12-M22	24	12	297	762	41/105/126	75	145	2.22
WFP3-24/12-M24	24	12	300	762	41/105/126	75	145	2.16
WFP-24/12-M20	24	12	320	685	47/100/115	75	145	2.65
WFP-35/12-M20	35	12	410	965	47/100/115	95	230	3.16
WFP2-35/12-M20	35	12	435	1145	47/105/130	100	235	3.65
WFP2-35/12-M22	35	12	435	1145	47/105/130	100	235	3.65
WFP2-15/12-M24	15	12	250	520	47/105/130	50	105	1.75
WFP4-15/12-M22	15	12	235	535	52/85/105	95	230	2.10
WFP4-25/12-M22	25	12	325	690	52/85/105	95	230	2.65
WFP4-35/12-M22	35	12	435	1157	52/85/105	95	230	3.50

For other section lengths, end fitting combinations and bases, please send us your requirements.