

► **Main technical data for composite suspension insulator**

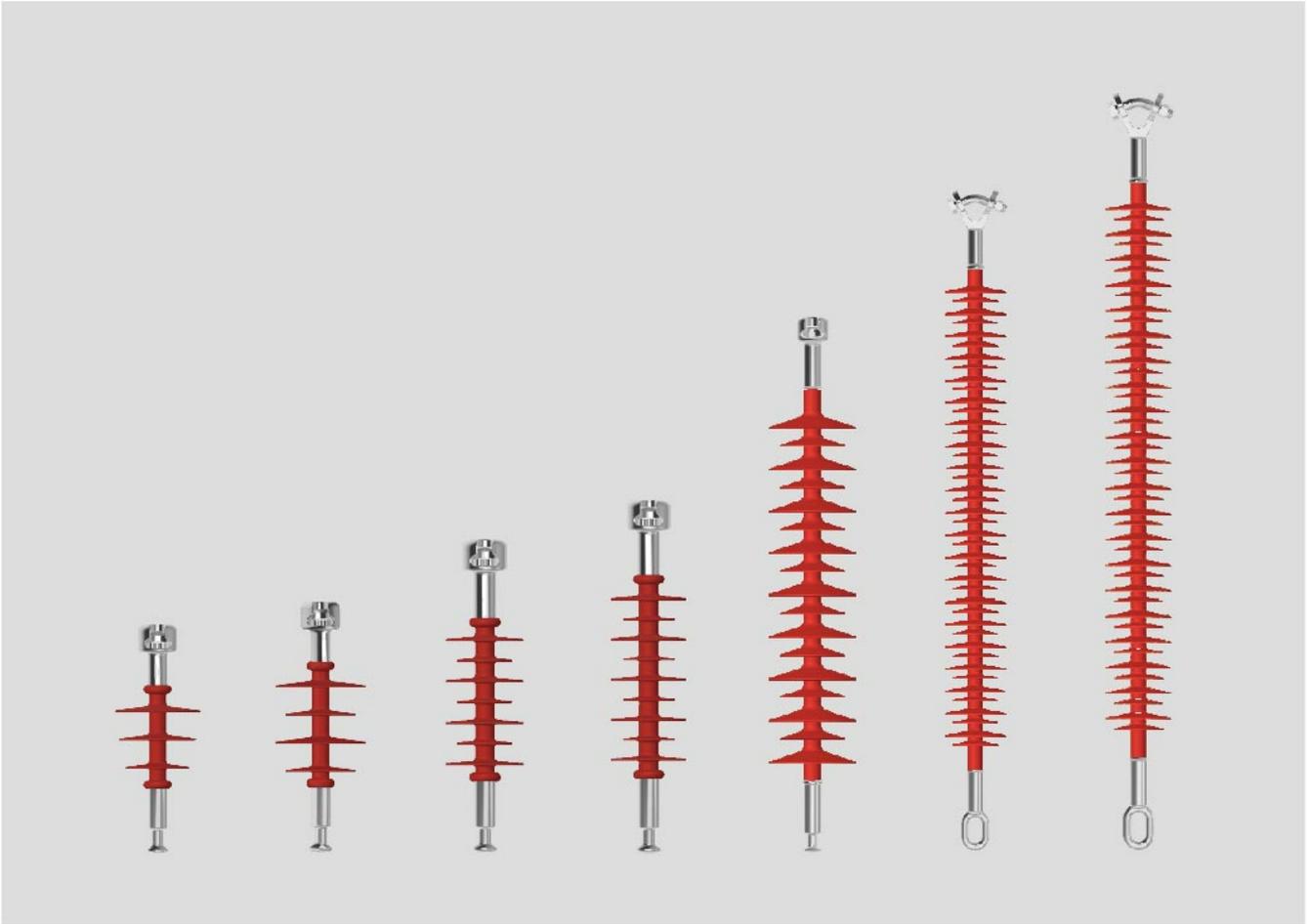


Figure. No	Type	Rated Voltage (kV)	Specified Mechanical tensile Load (kN)	Coupling	Section Length (mm)	Min arcing distance (mm)	Min creepage distance (mm)	Lightning withstand voltage (kV)	Wet power frequency voltage (kV)
1	FXBW-10/70	10	70	16	310	147	350	90	40
2	FXBW-10/70-340	10	70	16	340	180	500	110	45
3	FXBW-35/70	35	70	16	650	450	1050	230	95
4	FXBW-66/120	66	120	19	940	735	1900	410	185
5	FXBW-110/120	110	120	19	1240	1000	3150	550	250
6	FXBW-220/120	220	120	19	2240	1900	6300	1000	395

Note :

1. Fittings can be customized.
2. We can design and make products according to customer's specific requirements.

► **Main technical data for composite pin insulator**

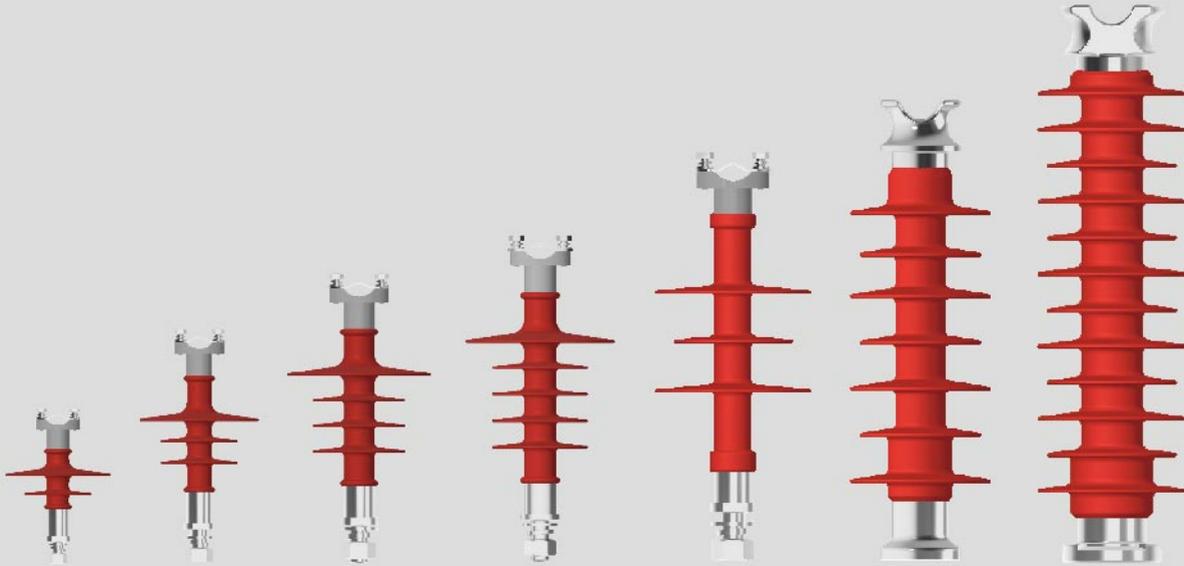


Figure. No	Type	Rated Voltage (kV)	Specified Mechanical Bending Load (kN)	Section Length (mm)	Min arcing distance (mm)	Min creepage distance (mm)	Lightning withstand voltage (kV)	Wet power frequency voltage (kV)
1	FPQ-1/5	1	5	155	83	245	45	18
2	FPQ-10/5	10	5	215	139	350	95	42
3	FZS-10/5	10	5	277	210	450	110	50
4	FPQ2-10/5	10	5	260	184	510	100	50
5	FPQ-24/12.5	24	12.5	300	264	610	150	75
6	FPQ-33/12.5	33	12.5	400	320	900	200	90

Note :

1. Fittings can be customized.
2. We can design and make products according to customer's specific requirements.

► **Main technical data for post composite insulator**

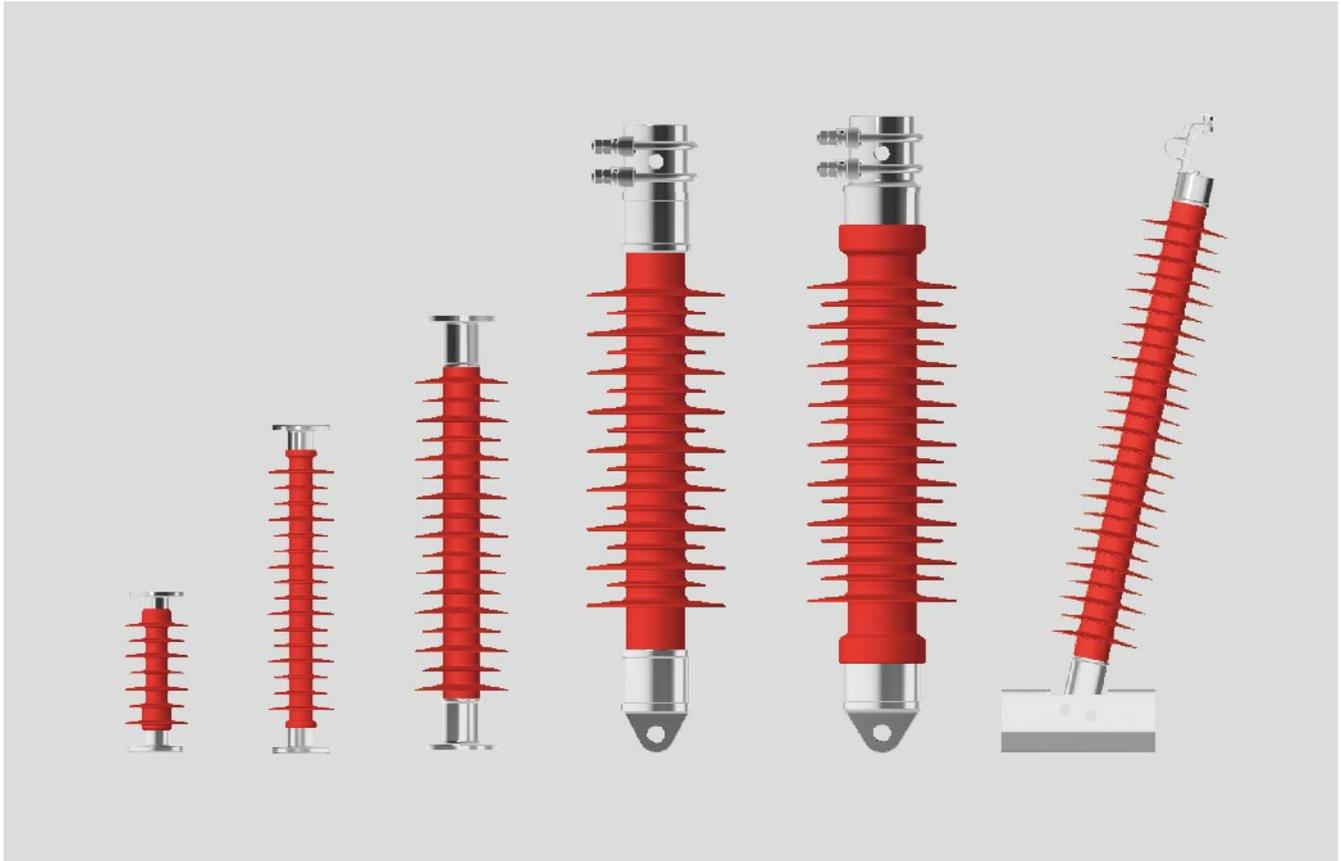
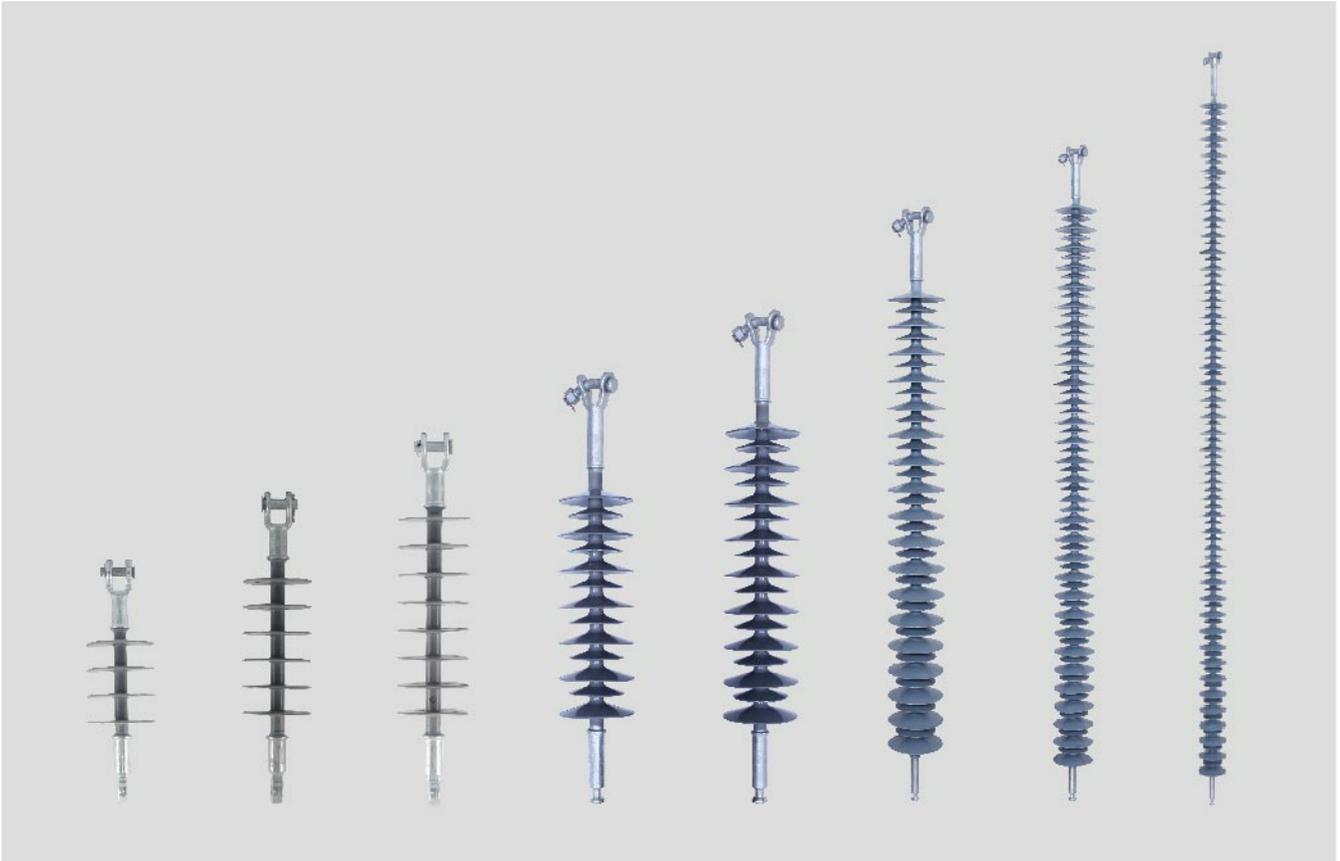


Figure. No	Type	Rated Voltage (kV)	Specified Mechanical Bending Load (kN)	Section Length (mm)	Min arcing distance (mm)	Min creepage distance (mm)	Lightning withstand voltage (kV)	Wet power frequency voltage (kV)	Top end fitting diameter (mm)	Bottom end fitting diameter (mm)
1	FZSW-12/4	12	4.0	254±1	145	400	95	40	76	76
2	FZSW-24/4	24	4.0	370±1	260	580	145	50	76	76
3	FZSW-35/4	35	4.0	560±2	450	1050	230	95	76	76
4	FZSW-72.5/8	72.5	8.0	890±2	742	1900	410	185	127	127
5	FZSW-126/6	126	6.0	1220±2	1060	3150	550	230	127	127
6	FZSW-252/2	252	2.0	2300±5	2140	6300	1000	395	127	127
7	FQBG-25/12-800P	25	12	800	520	1600	310	150	-	-
8	FQBG-25/16-800P	25	16	800	520	1600	310	150	-	-

Note :

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► **Main technical data for composite suspension insulator**



SN.	Type	Rated Voltage (kV)	Specified Mechanical tensile Load (kN)	Coupling Size	Section Length (mm)	Min arcing distance (mm)	Min creepage distance (mm)	Lightning withstand voltage (kV)	Wet power frequency voltage (kV)
1	FBX-15/70	15	70	16	343	186	430	140	55
2	FBX-25/70	25	70	16	446	289	645	150	75
3	FBX-36/70	36	70	16	525	377	900	210	95
4	FBX-69/70	69	70	16	860	665	2220	410	185
5	FBX-115/112	115	120	19	1308	1022	3700	530	230
6	FBX-138/110	138	120	19	1520	1292	3650	550	250
7	FBX-220/120	220	120	19	3202	3064	11820	1000	395
8	FBX-525/160	525	160	22	6225	6034	23630	2250	740

Note :

- 1.Fittings can be customized.
- 2.We can design and make products according to customer's specific requirements.

► **Main technical data for post composite insulator**



Figure. No	Type	Rated Voltage (kV)	Specified Mechanical Bending Load (kN)	Section Length (mm)	Min arcing distance (mm)	Min creepage distance (mm)	Lightning withstand voltage (kV)	Wet power frequency voltage (kV)	Top end fitting diameter (mm)	Bottom end fitting diameter (mm)
1	FPQ-15/12.5	15	12.5	240	160	465	120	40	-	-
2	FPQ-24/12.5	24	12.5	300	217	613	150	75	-	-
3	FZSW-35/6	35	6	560	461	1300	230	95	76	76
4	FZSW-69/12.5	69	12.5	940	706	2000	410	185	-	-
5	FZSW-115/16	115	16	1370	1090	3239	530	230	-	-
6	FZSW-138/13	138	13	1615	1335	4200	550	250	-	-
7	FZSW-220/4	220	4.0	2300	2100	6300	1000	395	127	127

Note :

- 1.Fittings can be customized.
- 2.We can design and make products according to customer's specific requirements.

► **Main technical data for pin post insulator**

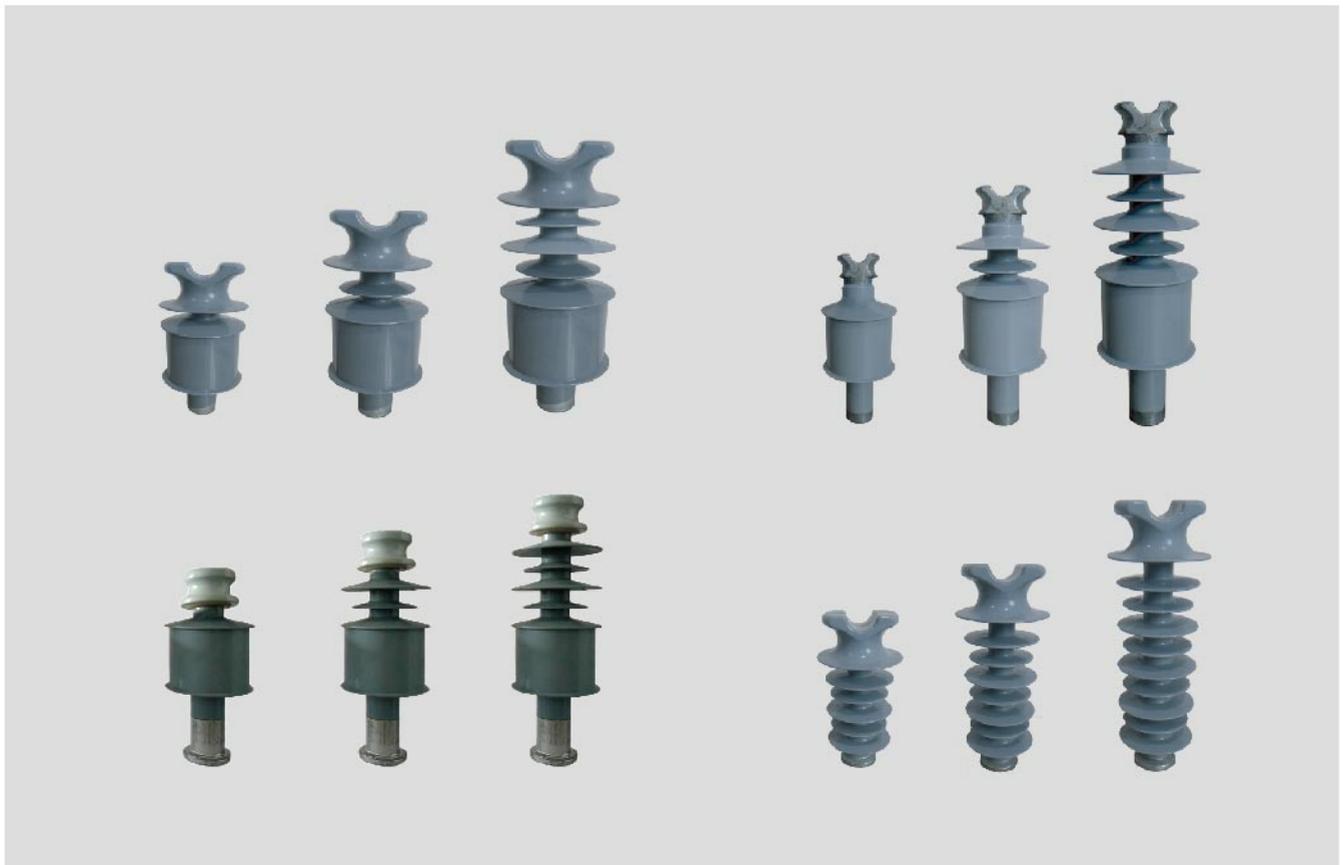


Figure. No	Type	Rated Voltage (kV)	Specified Mechanical Bending Load (kN)	Section Length (mm)	Min arcing distance (mm)	Min creepage distance (mm)	Lightning withstand voltage (kV)	Wet power frequency voltage (kV)
1	FPQ-15/8	15	8	260	191	590	140	45
2	FPQ-25/8	25	8	321	251	770	150	70
3	FPQ-35/8	35	8	387	317	1030	210	95
4	FPQ-15/12.5	15	12.5	259	188	590	140	45
5	FPQ-25/12.5	25	12.5	321	251	770	150	70
6	FPQ-35/12.5	35	12.5	387	317	1030	210	95

Note :

We can design and make products according to customer's specific requirements.

► **Main technical data for composite cutout fuse**

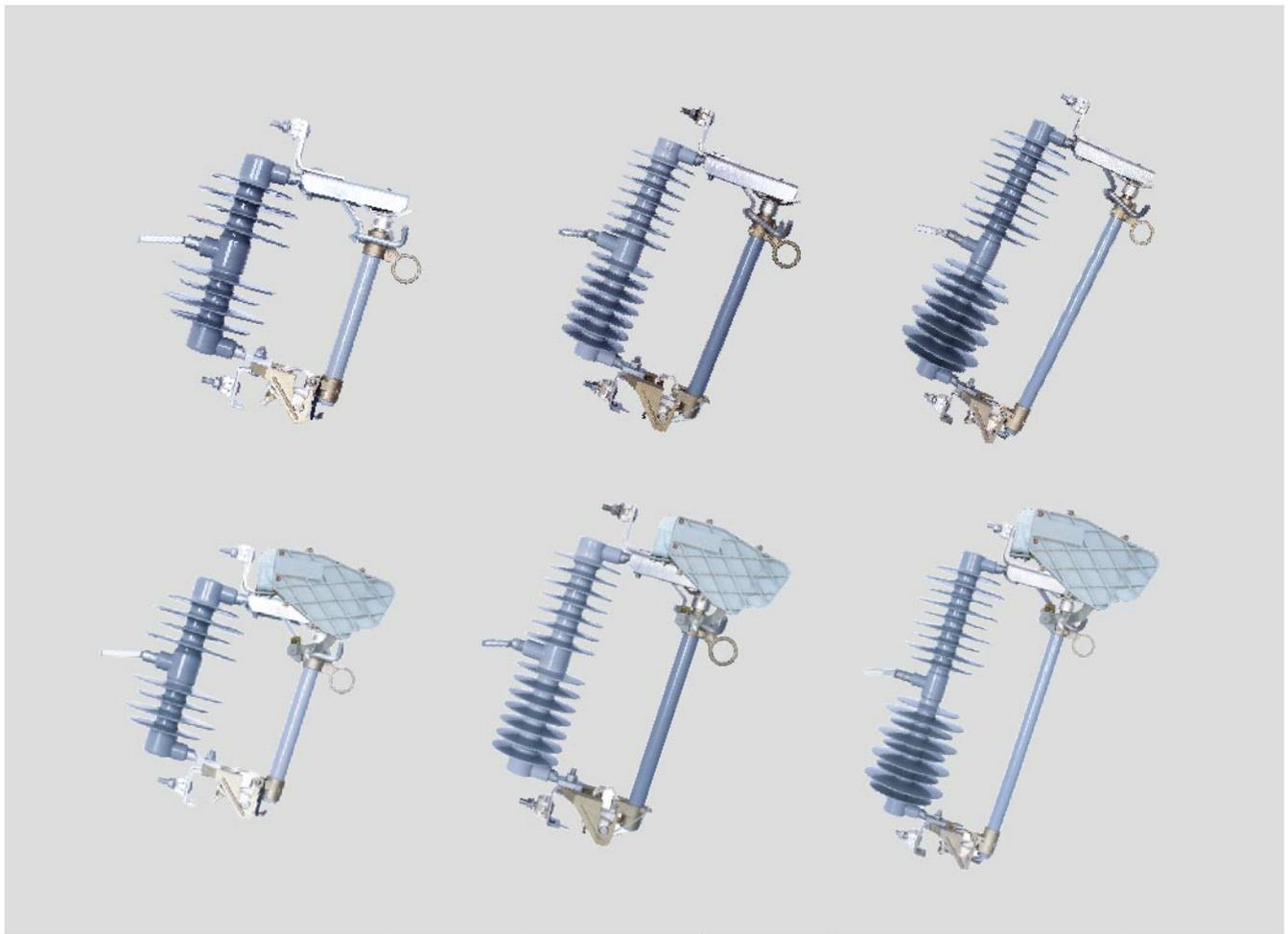


Figure No	Type	Rated Voltage (kV)	Rated Continuous Current (A)	Breaking current (kA)	BIL (kV)	Min creepage distance (mm)	Power frequency voltage (kV)
1	HRW-15/100(200)-10	15	100/200	10	110	370	40
2	HRW-27/100(200)-10	27	100/200	10	150	580	45
3	HRW-36/100(200)-8	36	100/200	8	170	1080	75
4	HRW-15/100(200)-10	15	100/200	10	110	370	40
5	HRW-15/100(200)-12	15	100/200	12	110	370	40
6	HRW-27/100(200)-8	27	100/200	8	150	580	45

Note :

We can design and make products according to customer's specific requirements.

► **Main technical data for porcelain fuse cutout**



Figure. No	Type	Rated Voltage (kV)	Rated Continuous Current (A)	Breaking current (kA)	BIL (kV)	Min creepage distance (mm)	Power frequency voltage (kV)
1	RW-15/100(200)-12	15	100	12	110	216	40
2	RW-27/100(200)-8	27	100	8	125	325	45
3	RW-38/100(200)-10	38	100	10	170	660	75
4	RW-15/100(200)-10	15	100	10	110	216	40
5	RW-27/100(200)-8	27	100	8	150	440	45
6	RW-38/100(200)-8	38	100	8	150	660	75

Note :

We can design and make products according to customer's specific requirements.

► **Main technical data for 5kA Arrestor**



Catalog Number	MOA Rated voltage kV(rms)	MCOV kV(rms)	Current impulse Residual Voltage			2ms Rectangular current impulse withstand A(crest)	4/10 us High current impulse withstand kA(crest)
			1/4 us Lightning current impulse kV(crest)	8/20 us Lightning current impulse kV(crest)	30/60 us Switching current impulse kV(crest)		
YH5W-3	3	2.55	11.3	9	8.9	150	65
YH5W-6	6	5.1	22.6	18	16.8	150	65
YH5W-9	9	7.65	33.7	27	23.8	150	65
YH5W-10	10	8.4	36	30	23	150	65
YH5W-11	11	9.4	40	33	30	150	65
YH5W-12	12	10.2	42.2	36	27	150	65
YH5W-15	15	12.7	51	45	38.5	150	65
YH5W-18	18	15.3	61.5	54	46.2	150	65
YH5W-21	21	17	71.8	63	54.2	150	65
YH5W-24	24	19.5	82	72	62	150	65
YH5W-27	27	22	92	81	69.8	150	65
YH5W-30	30	24.4	102	90	79	150	65
YH5W-33	33	27.5	112	99	86.7	150	65
YH5W-36	36	29	123	108	92.4	150	65

Note : We can design and make products according to customer's specific requirements.

► **Main technical data for 10kA Lightning Arrestor**



Catalog Number	MOA Rated voltage	MCOV	Current impulse Residual Voltage			2ms Rectangular current impulse withstand	4/10 us High current impulse withstand
			1/4 us Lightning current impulse	8/20 us Lightning current impulse	30/60 us Switching current impulse		
			kV(rms)	kV(rms)	kV(crest)		
YH10W-3	3	2.55	11.3	9	8.9	250	100
YH10W-6	6	5.1	22.6	18	16.8	250	100
YH10W-9	9	7.65	33.7	27	23.8	250	100
YH10W-10	10	8.4	36	30	23	250	100
YH10W-11	11	9.4	40	33	30	250	100
YH10W-12	12	10.2	42.2	36	27	250	100
YH10W-15	15	12.7	51	45	38.5	250	100
YH10W-18	18	15.3	61.5	54	46.2	250	100
YH10W-21	21	17	71.8	63	54.2	250	100
YH10W-24	24	19.5	82	72	62	250	100
YH10W-27	27	22	92	81	69.8	250	100
YH10W-30	30	24.4	102	90	79	250	100
YH10W-33	33	27.5	112	99	86.7	250	100
YH10W-36	36	29	123	108	92.4	250	100

Note : We can design and make products according to customer's specific requirements.

► **Main technical data for HDPE insulator**

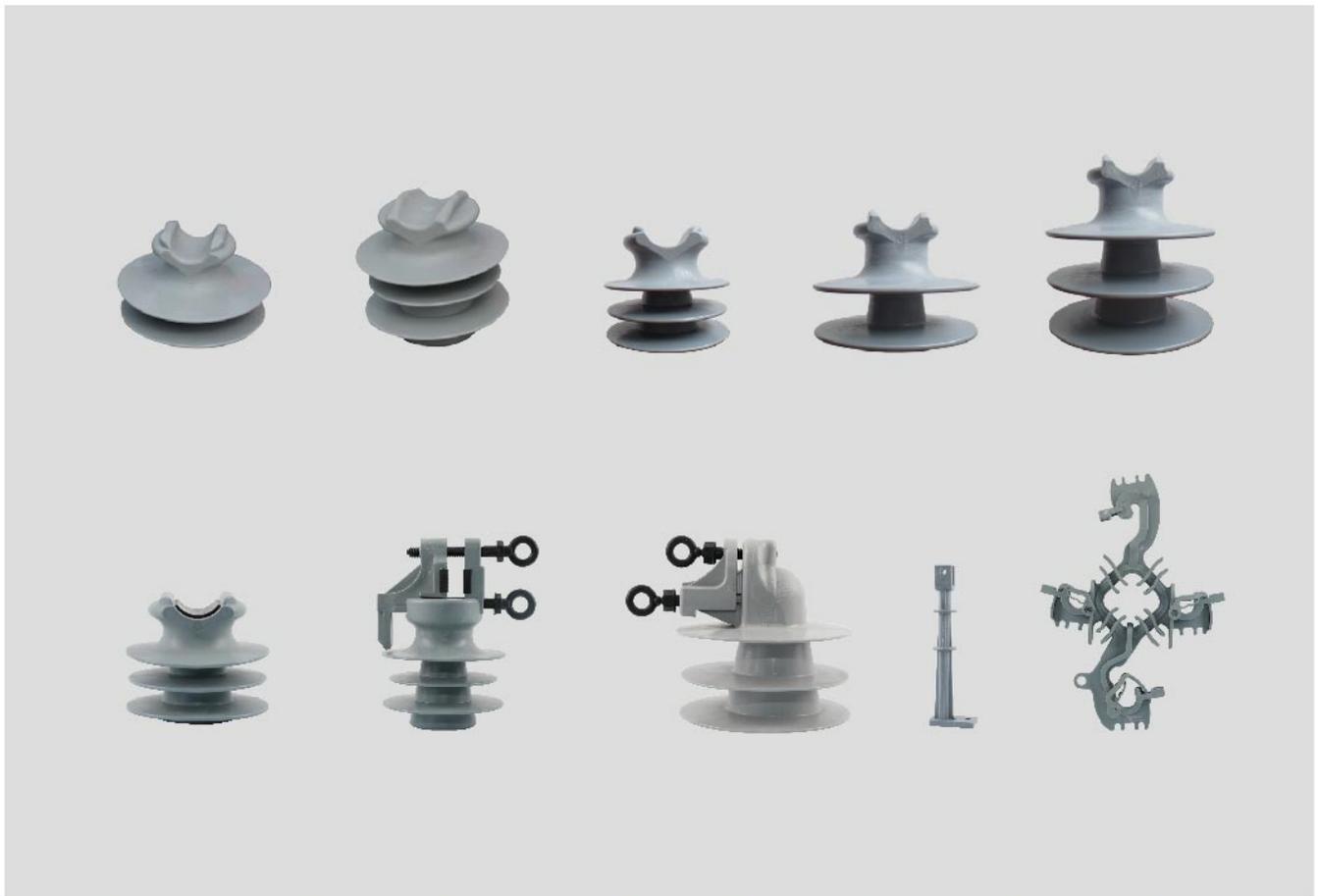


Figure. No	Type	Rated Voltage (kV)	Specified Mechanical Bending Load (kN)	Section Length (mm)	Dry arcing distance (mm)	Min creepage distance (mm)	Lightning withstand voltage (kV)	Wet power frequency voltage (kV)
1	55-3-C-25.4	15	11	114	150	263	+109 -105	45
2	55-4-F-25.4	15	13.4	135	170	363	+122 -202	51
3	55-5-F-25.4-01	25	13.4	151	177	393	+144 -179	51
4	55-5-C-25.4-02	25	13.4	151	200	385	+137 -197	58
5	56-1-J-35	25	13.4	151	197	368	+143 -190	57
6	55-6-J-25.4	35	13.4	191	240	545	+175 -240	70
7	55-7-F-35	25	13.4	191	240	545	+175 -240	70

Note :

We can design and make products according to customer's specific requirements.

▶ **Main technical data for composite bushing insulator**

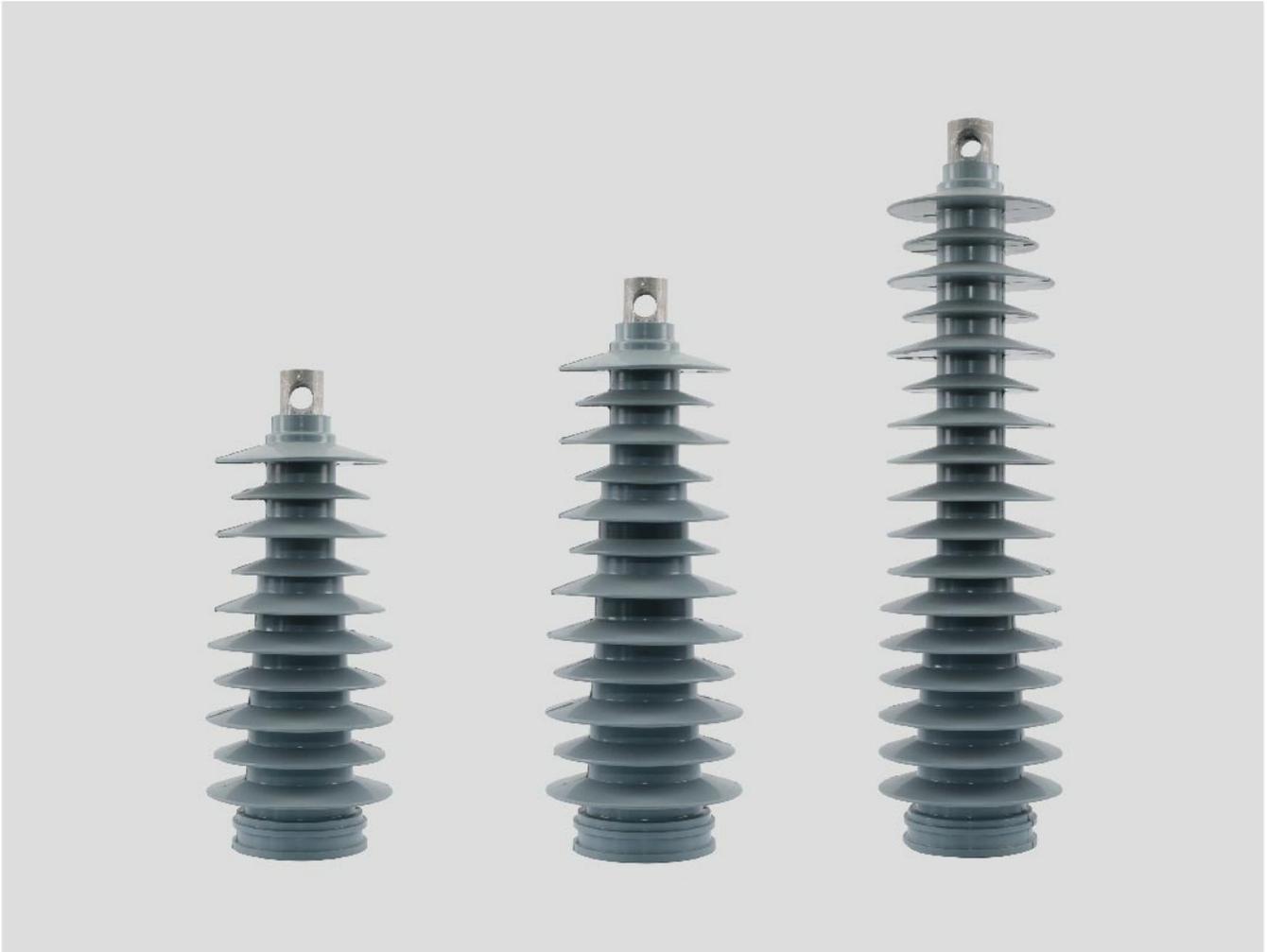
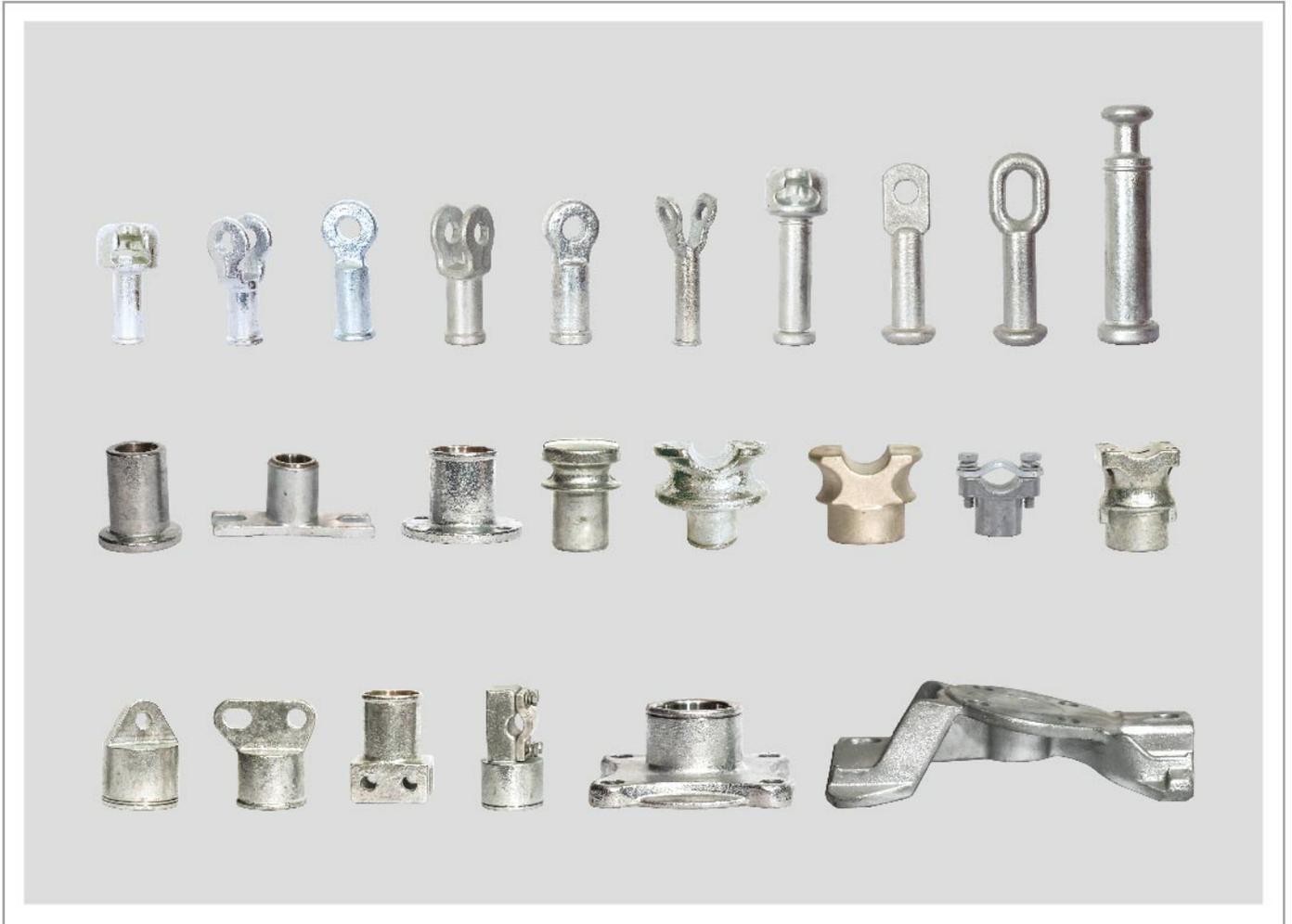


Figure. No	Type	Rated Voltage (kV)	Section Length (mm)	Min arcing distance (mm)	Min creepage distance (mm)	Lightning withstand voltage (kV)	Wet power frequency voltage (kV)
1	PGS-15	15	324	316	772	150	60
2	PGS-24	24	374	344	915	150	60
3	JSD-36	36	499	490	1354	170	70

Note :

We can design and make products according to customer's specific requirements.

► **Insulator fitting**



► **Line fitting**



Note : We can design and make products according to customer's specific requirements.

▶ **Cutout fitting & accessory**



Note :

We can design and make products according to customer's specific requirements.

► **Main technical data for insulator switch**



Item	(H)GWDCD1-12/630	(H)GWDCD1-12/1000	(H)GWDCD1-12/1250
Rated Voltage (kv)	12	12	12
Rated Current(A)	630	1000	1250
Rated Frequency (Hz)	50/60	50/60	50/60
Rated Short-time Withstand Current	25KA/3S	25KA/3S	25KA/3S
Rated Peak Withstand Current(kA)	63	63	63
Rated Short Duration Power Frequency To earth (Dry/Wet)	65/50	65/50	65/50
Withstand Voltage (kV)1min Phase to Phase (Dry/Wet)	65/50	65/50	65/50
Lighting Impulse To Earth	120	120	120
Withstand Voltage (kV)1min Phase to Phase	120	120	120
Creepage Distance(mm) silicone rubber	398	398	398
Creepage Ratio Distance (mm/kV) silicone rubber	32.5(36.7)	32.5(36.7)	32.5(36.7)
Phase to Phase distance (mm)	220	220	220
Mechanical life(times)	≥2000	≥2000	≥2000

Note : We can design and produce according to customer specific requirements.

► Technical/specification/weight data for fiberglass rod



Our company produces fiberglass rod with good mechanical performance in various specifications. It can be processed by turning, milling and threading.

It is applicable for various insulators (such as suspension, post, cross-arm, railway insulators).

It is with light weight, high intensity, stable performance, excellent insulating property and applicable for voltage range 10KV~1000KV.

Technical data

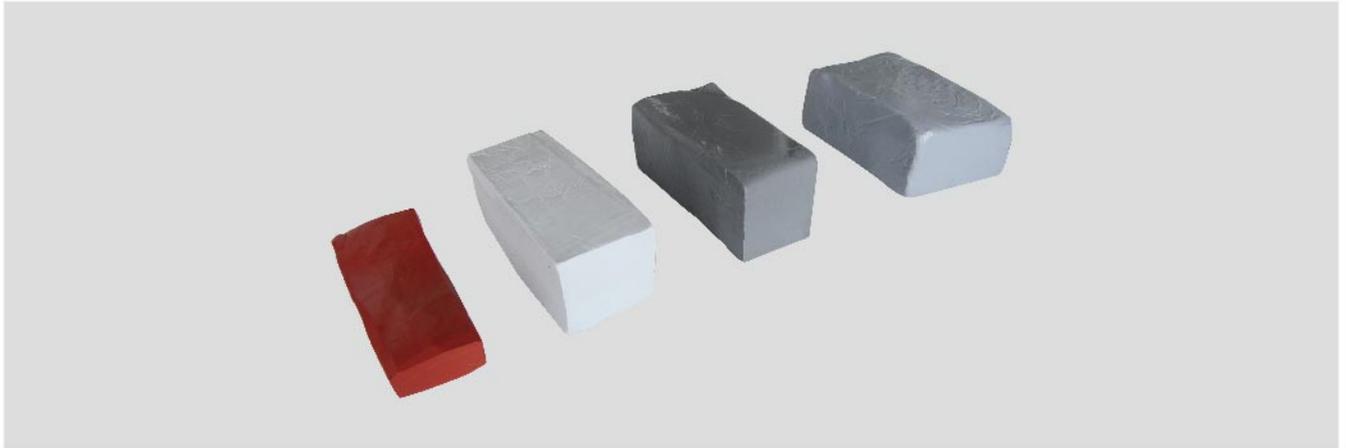
	Density g/cm ³	Water absorption %	Tensile strength Mpa	Bending strength Mpa	Dye Penetration min	Water Diffusion mA	Shearing strength along laminals Mpa	Volume resistivity Ω .m	DC breakdown voltage kV	Lightning Impulse withstand voltage kV	stress corrosion h	Torsional strength N/mm ²	Thermal bending strength Mpa/150°C
E-glass rod	≥2.1	≤0.05	≥1400	≥900	≥15	<0.5	≥50	≥10 ¹⁰	≥50	≥95		≥90	≥300
ECR rod	≥2.1	≤0.05	≥1400	≥900	≥15	<0.5	≥50	≥10 ¹⁰	≥50	≥95	≥100	≥90	≥300

Specification&weight

Dia.(mm)	13	16	17	18	20	24	26	28	30	32	34	36	38
(kg/m)	0.29	0.44	0.5	0.56	0.69	0.99	1.16	1.34	1.54	1.75	1.98	2.22	2.47
Dia.(mm)	40	42	45	50	55	60	63.5	65	70	75	80	90	100
(kg/m)	2.74	3.02	3.47	4.28	5.18	6.16	6.9	7.23	8.39	9.63	10.95	13.9	17.12

Note: We can design and produce according to customer's specific requirements.
Length can be customized.

▶ **Main technical data for silicone rubber**



Our silicone rubber has good mechanical, electrical, temperature tolerance performance. It is applicable for suspension, post, cross-arm and railway insulators and so on.
The silicone rubber has good performance of weather fastness, hydrophobicity, inoxidizability, high intensity, stability and insulation. It is applicable for voltage range 10KV~1000KV.

Data Type	Hardness ShortA	Tensile strength MPa	Elongation %	Tear Strength kN/M	Volume resistivity $\Omega \cdot \text{cm}$	Alternating current dielectric strength kV/mm	Tracking & Erosion	Flammability resistance
ECI-T1	65± 5	≥4.5	≥280	≥13	≥7*10 ¹⁴	≥22	≥4.5	FV-0
ECI-T2	65± 5	≥4.5	≥300	≥13	≥7*10 ¹⁴	≥22	≥4.5	FV-0
ECI-C1	65± 5	≥4.0	≥280	≥13	≥5*10 ¹⁴	≥20	≥4.5	FV-0
ECI-C2	65± 5	≥4.0	≥300	≥13	≥5*10 ¹⁴	≥20	≥4.5	FV-0
ECI-D1	65± 5	≥4.0	≥240	≥13	≥3*10 ¹⁴	≥18	≥4.5	FV-0
ECI-D2	65± 5	≥4.0	≥360	≥13	≥3*10 ¹⁴	≥18	≥4.5	FV-0
ECI-E1	65± 5	≥4.0	≥240	≥12	≥1*10 ¹⁴	≥17	≥4.5	FV-0
ECI-E2	65± 5	≥4.0	≥360	≥12	≥1*10 ¹⁴	≥17	≥4.5	FV-0

Note : We can design and produce according to customer specific requirements.

► **Main technical data for 10kA ZnO varistor inner core**

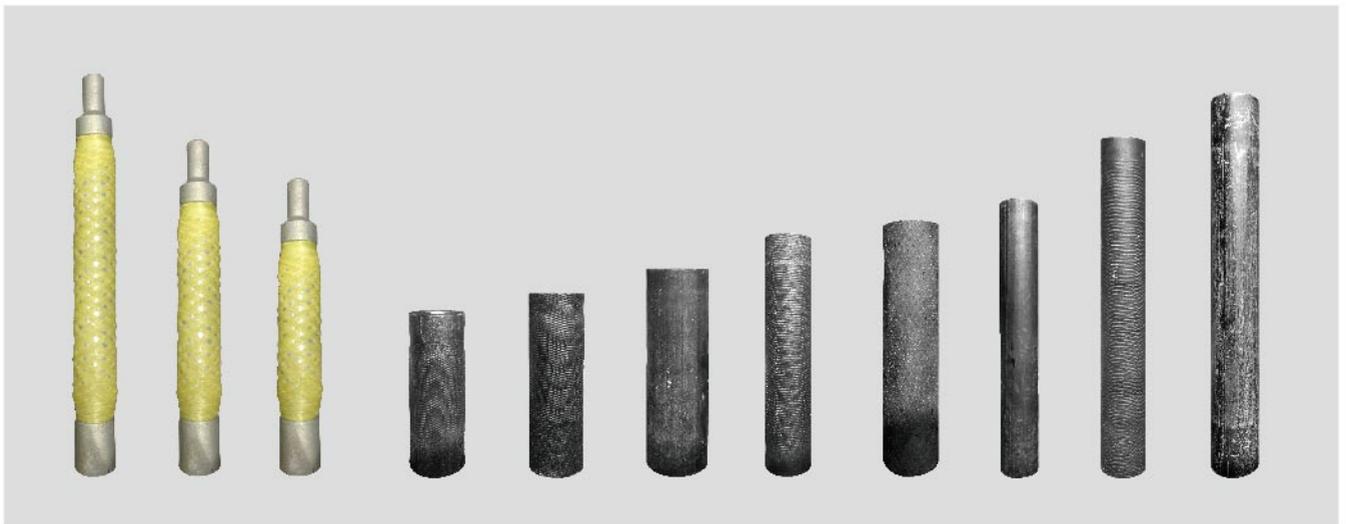


Figure No.	ZnO varistor inner core specification	Rated Voltage (kV)	MCOV (kV)	Impulse current residual voltage			2ms Rectangular current impulse withstand (A)	4/10us High current impulse withstand (kA)
				1/4us Lightning impulse current (kV)	8/20 us Lightning impulse current (kV)	30/60us Lightning impulse current (kV)		
1	Φ44x90	3	2.55	11.3	9	8.9	250	100
2	Φ44x120	6	5.1	22.6	18	16.8	250	100
3	Φ44x120	9	7.65	33.7	27	23.8	250	100
5	Φ44x150	10	8.4	36	30	23	250	100
6	Φ44x150	11	9.4	40	33	27	250	100
7	Φ44x150	12	10.2	42.2	36	30	250	100
8	Φ44x180	15	12.7	51	45	38.5	250	100
9	Φ44x210	18	15.3	61.5	54	46.2	250	100
10	Φ44x240	21	17	71.8	63	54.2	250	100
11	Φ44x270	24	19.5	82	72	62	250	100
12	Φ44x300	27	22	92	81	69.8	250	100
13	Φ44x330	30	24.4	102	90	79	250	100
14	Φ44x330	33	27.5	112	99	86.7	250	100
15	Φ44x360	36	29	123	108	92.4	250	100

Note: We can design and make products according to customer's specific requirements.