

The technical drawing illustrates a mechanical assembly with three views:

- Side View (Left):** Shows the profile of the assembly with dimensions L , 665 , $L1$, $L4$, $L6$, and $L5$. It includes various mounting points labeled $a1$ through $a9$ and $b1$ through $b4$. A wavy line indicates a flexible or vibrating component. Arrows labeled $A \parallel$ and $B \parallel$ indicate the directions of the other views.
- Top View (A Direction) (Right):** A circular view showing the top of the assembly. It features a central square area with four rectangular slots. Dimensions include $n2$, $a1$, $a5$, $a8$, $a9$, $L8$, and H .
- Front View (B Direction) (Bottom):** A rectangular view showing the front of the assembly. It features a grid of mounting points labeled $a5$ through $a9$ and $b3$ through $b4$. Dimensions include $n3$, $a8$, $a9$, $a7$, $a6$, $b3$, and $b4$.

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) and the total length (L) also change simultaneously.

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal								Head Diameter	Porcelain External Insulation			Flange					Dimensions of Oil End			Terminal in Oil						Weight	Product Code			
			Plate Surface		Hole Center Distance			Number and Diameter of Holes	Plate Thickness	Plate Spacing		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length Oil	Plate Surface		Hole Center Distance				Number and Diameter of Holes	Plate Thickness	Plate Spacing
			L	b1×b2	a1	a2	a3	a4	n1xd1	δ1		L8	d2	L1	S	d3	d4	a5	n2 xd5	L2	≥d6	L3	L4	L5	d7	L6	b3xb4	a6			a7	a8	a9
ETHD-40.5/16000	1035	150×85	50	25	40	20	8-6×18	25	430	535	435	1256	652	640	590	12×24	22	520	240	100	370	465	139	300×85	50	25	40	20	2-12×18	25	140	300	ETHD303
ETHD-40.5/20000	1035	150×85	50	25	40	20	8-6×18	25	430	535	435	1256	652	640	590	12×24	22	520	240	100	370	465	139	300×125	50	25	40	20	2-18×18	25	140	294	ETHD302
ETHD-40.5/25000	955	200×85	50	25	40	20	8-8×18	25	610	750	335	1256	913	880	820	16×22	20	710	343	100	340	670	155	400×85	50	25	40	20	2-16×18	25	220	470	ETHD04250-02
ETHD-40.5/31500	1470	240×185	60	30	60	30	8-12×18	30	710	830	490	1510	900	980	930	24×22	25	750	355.5	125	605	695	355	400×155	50	25	50	25	2-24×18	40	230	724	ETHD04315-01

Technical drawing of a spiral spring, showing the main view and two cross-sectional views (A and B).

Main View: The drawing shows a spiral spring with dimensions L_1 , L_2 , L_3 , and L . The spring is attached to a base with dimensions L_4 , L_5 , L_6 , L_7 , L_8 , L_9 , L_{10} , L_{11} , L_{12} , L_{13} , L_{14} , L_{15} , L_{16} , L_{17} , L_{18} , L_{19} , L_{20} , L_{21} , L_{22} , L_{23} , L_{24} , L_{25} , L_{26} , L_{27} , L_{28} , L_{29} , L_{30} , L_{31} , L_{32} , L_{33} , L_{34} , L_{35} , L_{36} , L_{37} , L_{38} , L_{39} , L_{40} , L_{41} , L_{42} , L_{43} , L_{44} , L_{45} , L_{46} , L_{47} , L_{48} , L_{49} , L_{50} , L_{51} , L_{52} , L_{53} , L_{54} , L_{55} , L_{56} , L_{57} , L_{58} , L_{59} , L_{60} , L_{61} , L_{62} , L_{63} , L_{64} , L_{65} , L_{66} , L_{67} , L_{68} , L_{69} , L_{70} , L_{71} , L_{72} , L_{73} , L_{74} , L_{75} , L_{76} , L_{77} , L_{78} , L_{79} , L_{80} , L_{81} , L_{82} , L_{83} , L_{84} , L_{85} , L_{86} , L_{87} , L_{88} , L_{89} , L_{90} , L_{91} , L_{92} , L_{93} , L_{94} , L_{95} , L_{96} , L_{97} , L_{98} , L_{99} , L_{100} .

View A: A cross-sectional view of the spring, showing dimensions a_1 , a_2 , a_3 , a_4 , a_5 , a_6 , a_7 , a_8 , a_9 , a_{10} , a_{11} , a_{12} , a_{13} , a_{14} , a_{15} , a_{16} , a_{17} , a_{18} , a_{19} , a_{20} , a_{21} , a_{22} , a_{23} , a_{24} , a_{25} , a_{26} , a_{27} , a_{28} , a_{29} , a_{30} , a_{31} , a_{32} , a_{33} , a_{34} , a_{35} , a_{36} , a_{37} , a_{38} , a_{39} , a_{40} , a_{41} , a_{42} , a_{43} , a_{44} , a_{45} , a_{46} , a_{47} , a_{48} , a_{49} , a_{50} , a_{51} , a_{52} , a_{53} , a_{54} , a_{55} , a_{56} , a_{57} , a_{58} , a_{59} , a_{60} , a_{61} , a_{62} , a_{63} , a_{64} , a_{65} , a_{66} , a_{67} , a_{68} , a_{69} , a_{70} , a_{71} , a_{72} , a_{73} , a_{74} , a_{75} , a_{76} , a_{77} , a_{78} , a_{79} , a_{80} , a_{81} , a_{82} , a_{83} , a_{84} , a_{85} , a_{86} , a_{87} , a_{88} , a_{89} , a_{90} , a_{91} , a_{92} , a_{93} , a_{94} , a_{95} , a_{96} , a_{97} , a_{98} , a_{99} , a_{100} .

View B: A cross-sectional view of the spring, showing dimensions b_1 , b_2 , b_3 , b_4 , b_5 , b_6 , b_7 , b_8 , b_9 , b_{10} , b_{11} , b_{12} , b_{13} , b_{14} , b_{15} , b_{16} , b_{17} , b_{18} , b_{19} , b_{20} , b_{21} , b_{22} , b_{23} , b_{24} , b_{25} , b_{26} , b_{27} , b_{28} , b_{29} , b_{30} , b_{31} , b_{32} , b_{33} , b_{34} , b_{35} , b_{36} , b_{37} , b_{38} , b_{39} , b_{40} , b_{41} , b_{42} , b_{43} , b_{44} , b_{45} , b_{46} , b_{47} , b_{48} , b_{49} , b_{50} , b_{51} , b_{52} , b_{53} , b_{54} , b_{55} , b_{56} , b_{57} , b_{58} , b_{59} , b_{60} , b_{61} , b_{62} , b_{63} , b_{64} , b_{65} , b_{66} , b_{67} , b_{68} , b_{69} , b_{70} , b_{71} , b_{72} , b_{73} , b_{74} , b_{75} , b_{76} , b_{77} , b_{78} , b_{79} , b_{80} , b_{81} , b_{82} , b_{83} , b_{84} , b_{85} , b_{86} , b_{87} , b_{88} , b_{89} , b_{90} , b_{91} , b_{92} , b_{93} , b_{94} , b_{95} , b_{96} , b_{97} , b_{98} , b_{99} , b_{100} .

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) and the total length (L) also change simultaneously.

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Porcelain External Insulation			Flange						Dimensions of Oil End			Grading Sphere			Terminal in Oil				Weight	Product Code	
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil				Grounding Length in Oil	Plate Surface	Hole Center Distance	Number and Diameter of Holes			Plate Thickness
			L	b1×b2	a1	n1×d1		δ1	d2	L1	S	d3	d4	a2	n2 xd5	L5	≥d6	L4	L2	L3	d7	L6	L7	d8	d9	b3xb4			a3
FET-72.5/630	2405	80×80	40	4×14	10	270	750	2248	286	400	350	6×24	20	240	82	240	1035	135	550	230	140	180	60×85	40	a4	2×14	25	110	FET0606-32
FET-72.5/630	2405	80×80	40	4×14	10	270	750	2248	286	400	350	6×24	20	240	82	240	1035	135	550	230	140	180	60×85	40	4	2×14	25	110	FET0606-32S
FET-72.5/1250	2440	110×130	50	4×18	13	270	750	2248	286	400	350	6×24	20	240	82	240	1035	135	550	230	140	180	60×85	40	4	2×14	25	110	FET0606-32J01
FET-72.5/1250	2440	110×130	50	4×18	13	270	750	2248	286	400	350	6×24	20	240	82	240	1035	135	550	230	140	180	60×85	40	4	2×14	25	110	FET0606-32SJ01
FET-72.5/3150	2560	160×180	50	9×18	20	270	750	2248	286	400	350	6×24	20	240	82	240	1040	135	550	250	120	180	80×85	40	40	4×14	25	150	FET0631
FET-72.5/3150	2560	160×180	50	9×18	20	270	750	2248	286	400	350	6×24	20	240	82	240	1040	135	550	250	120	180	80×85	40	40	4×14	25	150	FET0631S

Technical drawing of a multi-bladed propeller. The main view shows the propeller with dimensions: d , d_2 , d_3 , d_4 , L_1 , L_2 , L_3 , L_4 , L_6 , d_7 , d_8 , d_{10} , d_9 , L_7 , L_8 , and L . The view is labeled "A 向" (A Direction). Below the main view are two cross-sectional views: "A Direction" and "B Direction". The "A Direction" view shows dimensions a_1 , b_1 , b_2 , and $n_1 \times d_1$. The "B Direction" view shows dimensions a_2 , L_5 , $n_2 \times d_6$, and d_5 .

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3), Cable Entry Length (L4) and the total length (L) also change simultaneously.

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Cable Lead Length	Hole Diameter of Lead Connection	Composite External Insulation			Flange						Dimensions of Oil End			Grading Sphere		Inner Diameter of Conductive Tube	Weight	Product Code	
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness				Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-Immersed Part	Main Diameter of the Part in Oil						Grounding Length in Oil
	L	b1×b2	a1	n1×d1	δ	d2	L4	d3	L1	S	d4	d5	a2	n2×d6	L6	≥d7	L5	L2	L3	d8	L7	L8	d9	d10	kg		
FET-72.5/630		2315	80×80	40	4×14	10	270	2085	28	750	2248	258	330	280	6×18	20	180	67.5	240	960	110	550	60	110	40	70	FET0606
FET-72.5/630		2315	80×80	40	4×14	10	270	2085	28	750	2248	258	330	280	6×18	20	180	67.5	240	960	110	550	60	110	40	70	FET0606S
FET-72.5/630		1832	100×105	50	4×14.5	13	270	1400	28	750	2248	258	330	280	6×18	20	150	65	240	475	105	300			36	60	FET0606-12
FET-72.5/630		2032	100×105	50	4×14.5	13	270	1600	12	750	2248	258	330	280	6×18	20	150	65	240	675	105	300			36	60	FET0606-14
FET-72.5/630		2025	80×80	40	4×14	10	270	1795	28	750	2248	258	330	280	6×18	20	180	67.5	240	670	110	400	60	110	40	70	FET0606-31
FET-72.5/1250		2350	110×130	50	4×18	13	270	2085	32	750	2248	258	330	280	6×18	20	180	67.5	240	960	110	550	60	110	40	70	FET0612
FET-72.5/1250		2060	110×130	50	4×18	13	270	1795	32	750	2248	258	330	280	6×18	20	180	67.5	240	670	110	400	60	110	40	70	FET0612-13

Technical drawing of a mechanical part, showing a side view and two cross-sectional views (A and B).

Side View: The main view shows a long cylindrical component with a threaded section on the left and a flange on the right. Key dimensions include:

- L : Total length.
- L_1 : Length of the threaded section.
- L_2 : Length of the flange.
- L_3 : Length of the main body.
- L_4 : Length of the flange.
- L_5 : Length of the flange.
- L_6 : Length of the main body.
- L_7 : Length of the flange.
- L_8 : Length of the flange.
- L_9 : Length of the flange.
- L_{10} : Length of the flange.
- L_{11} : Length of the flange.
- L_{12} : Length of the flange.
- L_{13} : Length of the flange.
- L_{14} : Length of the flange.
- L_{15} : Length of the flange.
- L_{16} : Length of the flange.
- L_{17} : Length of the flange.
- L_{18} : Length of the flange.
- L_{19} : Length of the flange.
- L_{20} : Length of the flange.
- L_{21} : Length of the flange.
- L_{22} : Length of the flange.
- L_{23} : Length of the flange.
- L_{24} : Length of the flange.
- L_{25} : Length of the flange.
- L_{26} : Length of the flange.
- L_{27} : Length of the flange.
- L_{28} : Length of the flange.
- L_{29} : Length of the flange.
- L_{30} : Length of the flange.
- L_{31} : Length of the flange.
- L_{32} : Length of the flange.
- L_{33} : Length of the flange.
- L_{34} : Length of the flange.
- L_{35} : Length of the flange.
- L_{36} : Length of the flange.
- L_{37} : Length of the flange.
- L_{38} : Length of the flange.
- L_{39} : Length of the flange.
- L_{40} : Length of the flange.
- L_{41} : Length of the flange.
- L_{42} : Length of the flange.
- L_{43} : Length of the flange.
- L_{44} : Length of the flange.
- L_{45} : Length of the flange.
- L_{46} : Length of the flange.
- L_{47} : Length of the flange.
- L_{48} : Length of the flange.
- L_{49} : Length of the flange.
- L_{50} : Length of the flange.
- L_{51} : Length of the flange.
- L_{52} : Length of the flange.
- L_{53} : Length of the flange.
- L_{54} : Length of the flange.
- L_{55} : Length of the flange.
- L_{56} : Length of the flange.
- L_{57} : Length of the flange.
- L_{58} : Length of the flange.
- L_{59} : Length of the flange.
- L_{60} : Length of the flange.
- L_{61} : Length of the flange.
- L_{62} : Length of the flange.
- L_{63} : Length of the flange.
- L_{64} : Length of the flange.
- L_{65} : Length of the flange.
- L_{66} : Length of the flange.
- L_{67} : Length of the flange.
- L_{68} : Length of the flange.
- L_{69} : Length of the flange.
- L_{70} : Length of the flange.
- L_{71} : Length of the flange.
- L_{72} : Length of the flange.
- L_{73} : Length of the flange.
- L_{74} : Length of the flange.
- L_{75} : Length of the flange.
- L_{76} : Length of the flange.
- L_{77} : Length of the flange.
- L_{78} : Length of the flange.
- L_{79} : Length of the flange.
- L_{80} : Length of the flange.
- L_{81} : Length of the flange.
- L_{82} : Length of the flange.
- L_{83} : Length of the flange.
- L_{84} : Length of the flange.
- L_{85} : Length of the flange.
- L_{86} : Length of the flange.
- L_{87} : Length of the flange.
- L_{88} : Length of the flange.
- L_{89} : Length of the flange.
- L_{90} : Length of the flange.
- L_{91} : Length of the flange.
- L_{92} : Length of the flange.
- L_{93} : Length of the flange.
- L_{94} : Length of the flange.
- L_{95} : Length of the flange.
- L_{96} : Length of the flange.
- L_{97} : Length of the flange.
- L_{98} : Length of the flange.
- L_{99} : Length of the flange.
- L_{100} : Length of the flange.

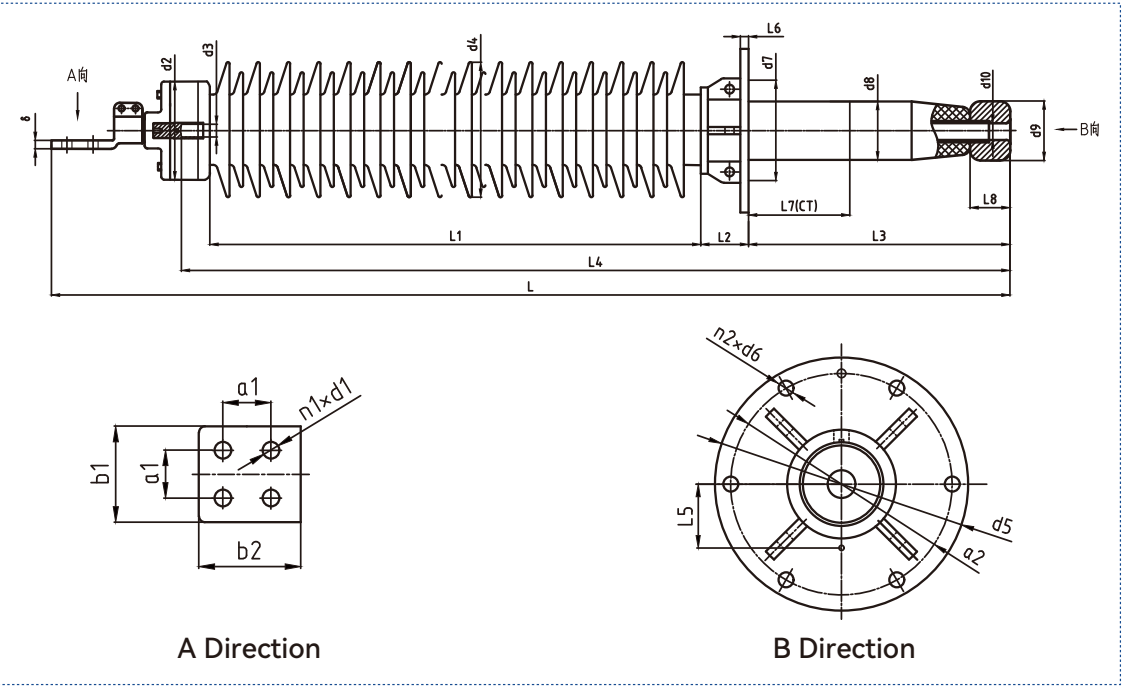
View A: A cross-section of the part, showing a rectangular hole with dimensions a_1 and b_1 . The hole is located at a distance a_2 from the left edge. The hole is labeled $n1 \times d1$.

View B: A cross-section of the part, showing a circular hole with diameter d_1 . The hole is located at a distance a_2 from the left edge. The hole is labeled $n2 \times d5$. The hole is also labeled d_4 and d_2 . The hole is also labeled L_4 .

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) and the total length (L) also change simultaneously.

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Porcelain External Insulation				Flange				Dimensions of Oil End			Grading Sphere			Terminal in Oil				Weight	Product Code			
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part				Main Diameter of the Part in Oil	Grounding Length in Oil	Plate Surface	Hole Center Distance			Number and Diameter of Holes	Plate Thickness	
	L	b1×b2	a1	n1xd1	δ	d2	L1	S	d3	d4	a2	n2 xd5	L5	≥d6	L4	L2	L3	d7	L6	L7	d8	d9	b3xb4	a3	a4	n2×d10		δ2	kg	
CET-72.5/630		2405	80x80	40	4x14	10	270	760	2248	350	400	350	6×24	20	240	82	235	1035	135	550	230	140	180	60x85		40	2×14	25	170	CET0606-15J01
CET-72.5/1250		2440	110x130	50	4x18	13	270	760	2248	350	400	350	6×24	20	240	82	235	1035	135	550	230	140	180	60x85		40	2×14	25	170	CET0606-15
CET-72.5/3150		2580	160x180	50	9x18	20	270	760	2248	350	400	350	6×24	20	240	82	235	1040	135	550	250	120	180	80x85	40	40	4×14	25	180	CET0631
CET-126/630		3170	80x80	40	4x14	10	270	1340	3906	350	400	350	6×24	20	240	82	235	1220	135	550	230	140	180	60x85		40	2×14	25	260	CET1106-46J01
CET-126/1250		3205	110x130	50	4x18	13	270	1340	3906	350	400	350	6×24	20	240	82	235	1220	135	550	230	140	180	60x85		40	4×14	25	260	CET1106-46
CET-126/2000		3280	110x180	50	6x18	20	270	1340	3906	350	400	350	6×24	20	240	82	235	1220	135	550	230	140	180	60x85		40	4×14	25	260	CET1120

72.5kV-126kV RIP Type Capacitive Porcelain Transformer Bushing (Draw-Lead Type)



Performance Parameter Table

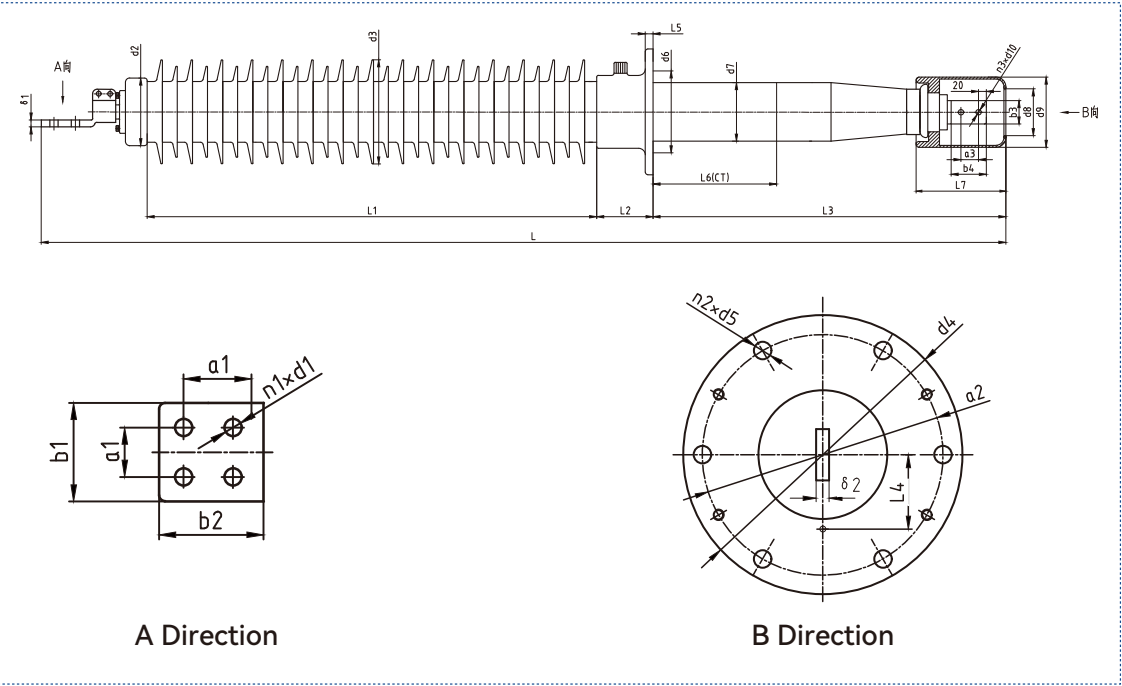
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	72.5kV	126kV
Rated Current	630-1250A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	155kV	255kV
Full Lightning Impulse Withstand Voltage	325kV	550kV
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	2000N	3150N
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3), Cable Entry Length (L4) the total length (L) also change simultaneously.

Product Data Sheet

Main Dimensions (mm) Model	Total Length of Bushing	Terminal				Head Diameter	Cable Lead Length	Hole Diameter of Lead Connection	Porcelain External Insulation			Flange							Dimensions of Oil End			Grading Sphere		Inner Diameter of Conductive Tube	Weight	Product Code
		Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness				Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil	L8	d9	d10		
CET-72.5/630	2315	80×80	40	4×14	10	270	2085	28	800	2248	308	330	280	6×18	20	180	67.5	215	960	110	550	60	110	40	120	CET0606
CET-72.5/630	2025	80×80	40	4×14	10	270	1795	28	800	2248	308	330	280	6×18	20	180	67.5	215	670	110	400	60	110	40	110	CET0606-11
CET-72.5/1250	2350	110×130	50	4×18	13	270	2085	32	800	2248	308	330	280	6×18	20	180	67.5	215	960	110	550	60	110	40	120	CET0612
CET-72.5/1250	2060	110×130	50	4×18	13	270	1795	32	800	2248	308	330	280	6×18	20	180	67.5	215	670	110	400	60	110	40	110	CET0612-06
CET-126/630	2695	80×80	40	4×14	10	270	2665	28	1340	3906	350	400	350	6×24	20	230	82	235	960	135	550	60	120	50	200	CET1106
CET-126/630	2745	80×80	40	4×14	10	270	2515	28	1340	3906	350	400	350	6×24	20	230	82	235	810	135	400	60	120	50	200	CET1106-39
CET-126/1250	2780	110×130	50	4×18	13	270	2515	32	1340	3906	350	400	350	6×24	20	230	82	235	810	135	400	60	120	50	200	CET1112-13J01
CET-126/1250	2960	110×130	50	4×18	13	270	2695	32	1340	3906	350	400	350	6×24	20	230	82	235	990	135	550	90	120	50	210	CET1112-16

126kV RIP Type Capacitive Composite Transformer Bushing (Current-Carrying Type)



Performance Parameter Table

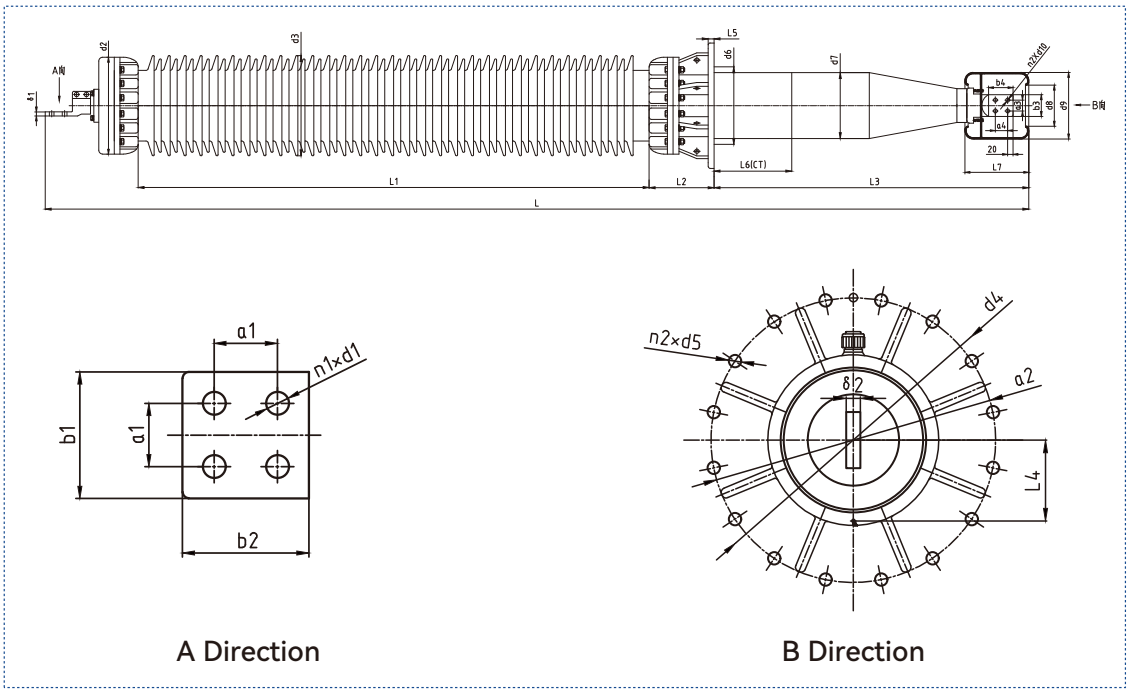
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	126kV	
Rated Current	630-2000A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	255kV	
Full Lightning Impulse Withstand Voltage	550kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	3150-4000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Porcelain External Insulation			Flange							Dimensions of Oil End			Grading Sphere			Terminal in Oil				Weight	Product Code
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil				Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		
			L	b1×b2	a1	n1×d1		δ1	d2	L1	S	d3	d4	a5	n2×d5	L5	≥d6	L4	L2	L3	d7	L6	L7	d8	d9	b3×b4	a3		
FET-126/630		3170	80×80	40	4×14	10	270	1330	3906	286	400	350	6×24	20	230	82	240	1220	135	550	230	140	180	60×85	40	2×14	25	120	FET1106-45
FET-126/630		3170	80×80	40	4×14	10	270	1330	3906	286	400	350	6×24	20	230	82	240	1220	135	550	230	140	180	60×85	40	2×14	25	120	FET1106-45S
FET-126/1250		3205	110×130	50	4×18	13	270	1330	3906	286	400	350	6×24	20	230	82	240	1220	135	550	230	140	180	60×85	40	2×14	25	120	FET1106-45J01
FET-126/1250		3205	110×130	50	4×18	13	270	1330	3906	286	400	350	6×24	20	230	82	240	1220	135	550	230	140	180	60×85	40	2×14	25	120	FET1106-45SJ01
FET-126/2000		3280	110×180	50	6×18	20	270	1330	3906	286	400	350	6×24	20	230	82	240	1220	135	550	250	120	180	60×85	40	2×14	25	150	FET1120
FET-126/2000		3280	110×180	50	6×18	20	270	1330	3906	286	400	350	6×24	20	230	82	240	1220	135	550	250	120	180	60×85	40	2×14	25	150	FET1120S

252kV RIP Type Capacitive Porcelain Transformer Bushing (Current-Carrying Type)



Performance Parameter Table

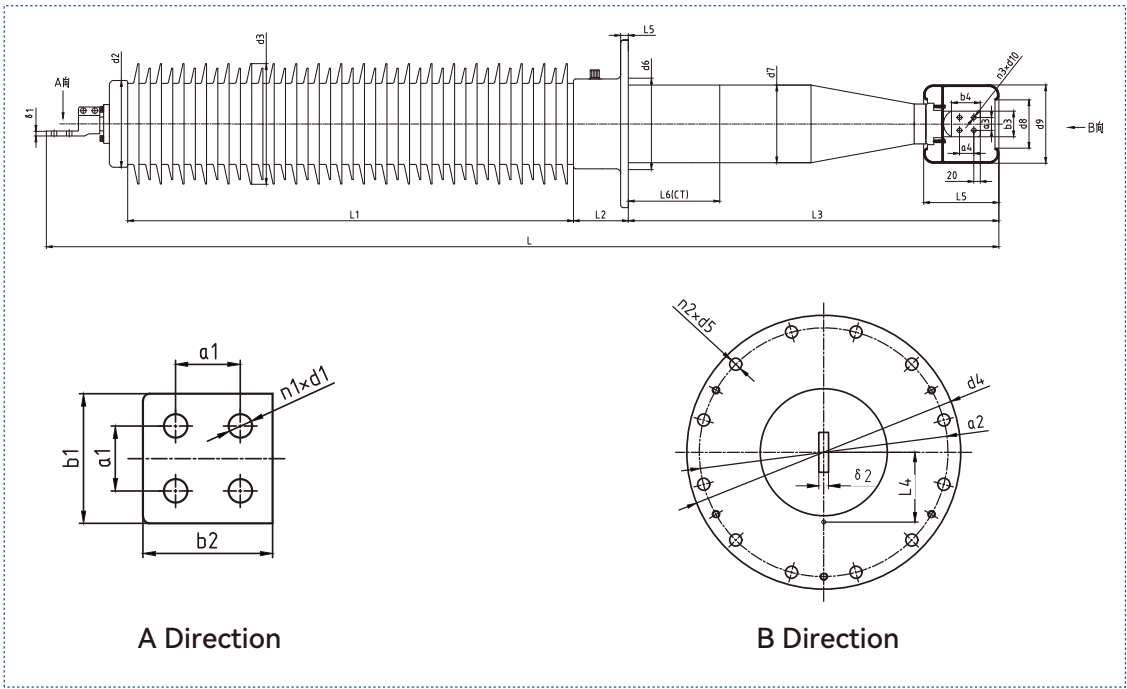
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	252kV	
Rated Current	1250-3150A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	505kV	
Full Lightning Impulse Withstand Voltage	1050kV	
Switching Impulse Withstand Voltage	850kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000-5000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Porcelain External Insulation			Flange							Dimensions of Oil End			Grading Sphere			Terminal in Oil				Weight	Product Code	
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil				Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness			
			L	b1×b2	a1	n1xd1	δ	d2	L1	S	d3	d4	a2	n2 xd5	L5	≥d6	L4	L2	L3	d7	L6	L7	d8	d9	b3xb4	a3	a4	n2×d10		δ2
CET-252/1250		4775	110x130	50	4x18	13	420	2500	8600	430	550	500	12x24	25	280	125	295	1535	220	550	250	200	260	60x85	40	40	2x14	25	650	CET2212-18
CET-252/3150		4915	160x180	50	9x18	20	420	2500	8600	430	550	500	12x24	26	280	125	295	1535	220	550	250	200	260	80x85	40	40	4x14	25	660	CET2231
CET-252/3150		4915	160x180	50	9x18	20	420	2500	8600	430	550	500	12x24	26	280	125	295	1535	220	550	250	200	260	80x85	40	40	4x14	25	660	CET2231S

252kV RIP Type Capacitive Composite Transformer Bushing (Current-Carrying Type)



Performance Parameter Table

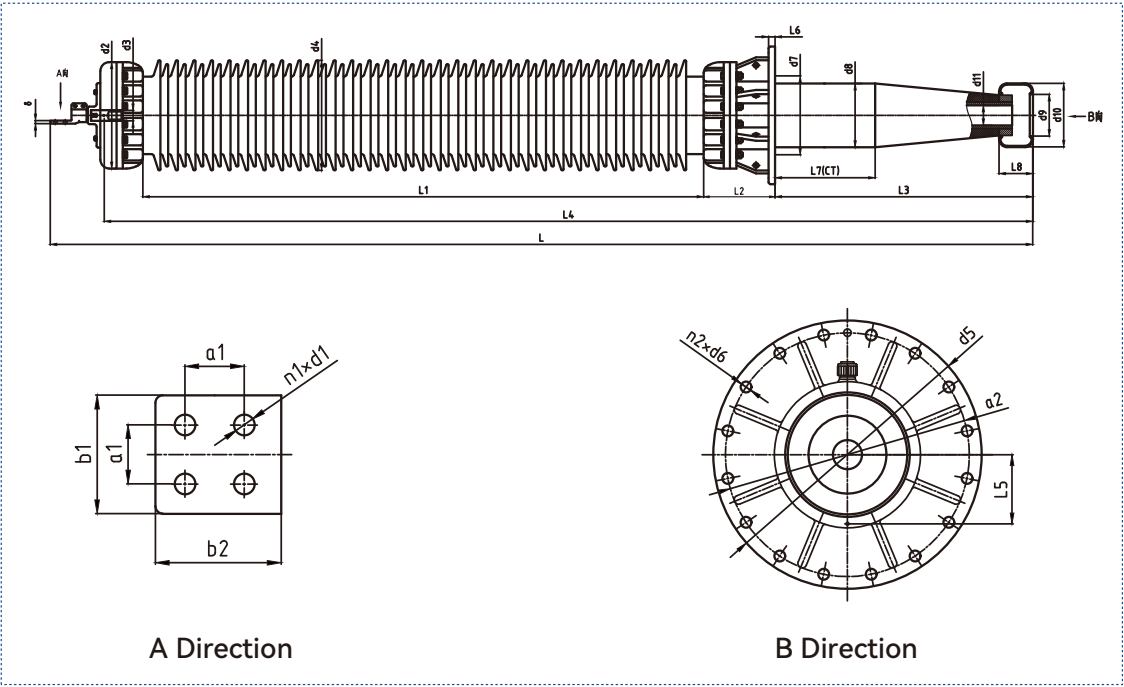
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	252kV	
Rated Current	1250-3150A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	505kV	
Full Lightning Impulse Withstand Voltage	1050kV	
Switching Impulse Withstand Voltage	850kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000-5000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Porcelain External Insulation			Flange						Dimensions of Oil End			Grading Sphere			Terminal in Oil					Weight	Product Code	
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil				Grounding Length in Oil	Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness			
			L	b1×b2	a1	n1xd1	δ1	d2	L1	S	d3	d4	d5	n2 xd6	L5	≥d7	L4	L2	L3	d8	L6	L7	d9	d10	b3xb4	a3	a4	n2×d11		δ2
FET-252/1250		4795	110×130	50	4×18	13	400	2530	8600	396	550	500	12×24	25	280	125	290	1535	220	550	250	200	260	60×85	40	40	2×14	25	430	FET2206-26
FET-252/1250		4795	110×130	50	4×18	13	400	2530	8600	396	550	500	12×24	25	280	125	290	1535	220	550	250	200	260	60×85	40	40	2×14	25	430	FET2206-26S
FET-252/3150		4935	160×180	50	9×18	20	400	2530	8600	396	550	500	12×24	25	350	125	290	1535	220	550	250	200	260	80×85	40	40	4×14	25	450	FET2231
FET-252/3150		4935	160×180	50	9×18	20	400	2530	8600	396	550	500	12×24	25	350	125	290	1535	220	550	250	200	260	80×85	40	40	4×14	25	450	FET2231S

252kV RIP Type Capacitive Porcelain Transformer Bushing (Draw-Lead Type)



Performance Parameter Table

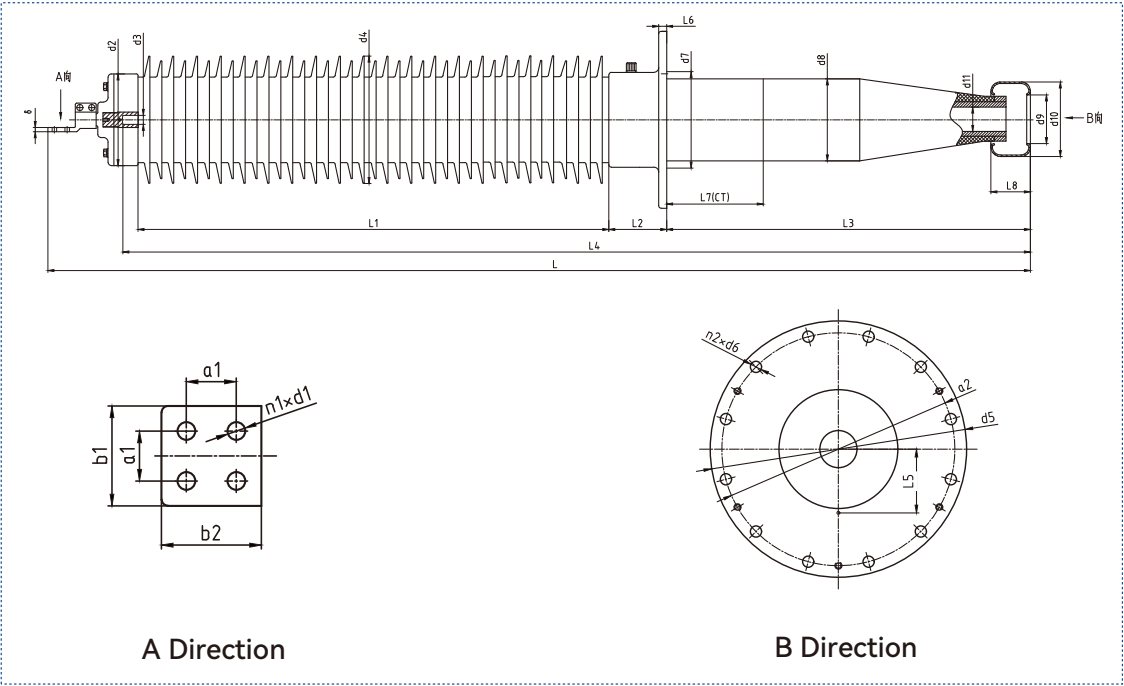
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	252kV	
Rated Current	630-1250A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	505kV	
Full Lightning Impulse Withstand Voltage	1050kV	
Switching Impulse Withstand Voltage	850kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4) the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Cable Lead Length	Hole Diameter of Lead Connection	Porcelain External Insulation			Flange							Dimensions of Oil End			Grading Sphere			Inner Diameter of Conductive Tube	Weight	Product Code
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness				Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil	L8	d9	d10	d11		
			b1×b2	a1	n1×d1	δ				L1	S	d4	d5	a2	n2×d6	L6	≥d7	L5	L2	L3	d8	L7	L8	d9	d10	d11		
CET-252/630		4425	100×100	50	4×18	13	420	4185	28	2500	8600	430	550	500	12×24	26	310	142	295	1230	220	400	130	185	60	240	620	CET2206-07
CET-252/630		4575	100×100	50	4×18	13	420	4340	28	2500	8600	430	550	500	12×24	26	310	142	295	1380	220	550	130	185	60	240	630	CET2206-08
CET-252/1250		4455	110×130	50	4×18	13	420	4185	32	2500	8600	430	550	500	12×24	26	310	142	295	1230	220	400	130	185	60	240	620	CET2212-05J01
CET-252/1250		4605	110×130	50	4×18	13	420	4340	32	2500	8600	430	550	500	12×24	26	310	142	295	1380	220	550	130	185	60	240	630	CET2212-15

252kV RIP Type Capacitive Composite Transformer Bushing (Draw-Lead Type)



Performance Parameter Table

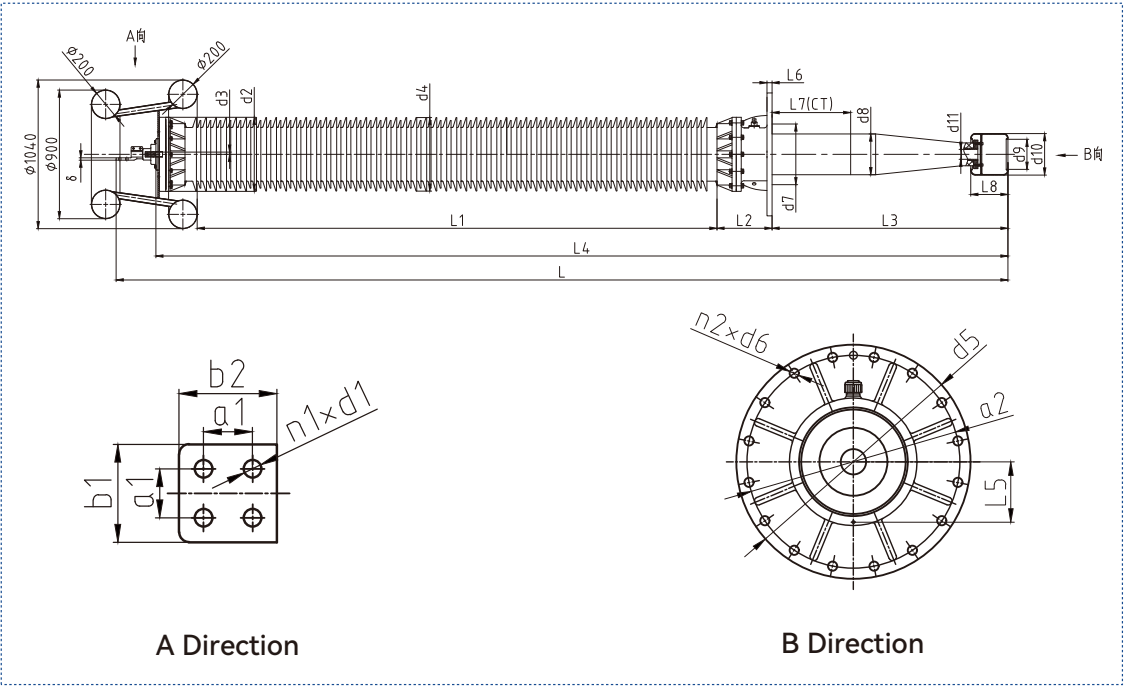
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	252kV	
Rated Current	630-1250A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	505kV	
Full Lightning Impulse Withstand Voltage	1050kV	
Switching Impulse Withstand Voltage	850kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4)and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Cable Lead Length	Hole Diameter of Lead Connection	Composite External Insulation			Flange							Dimensions of Oil End			Grading Sphere			Inner Diameter of Conductive Tube	Weight	Product Code
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness				Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil	L8	d9	d10	d11		
			b1×b2	a1	n1×d1	δ				L1	S	d4	d5	a2	n2×d6	L6	≥d7	L5	L2	L3	d8	L7	L8	d9	d10	d11		
FET-252/630		4595	100×100	50	4×18	13	400	4360	28	2530	8600	396	550	500	12×24	25	330	125	290	1380	220	550	130	185	240	60	370	FET2206-08
FET-252/630		4445	100×100	50	4×18	13	400	4210	28	2530	8600	396	550	500	12×24	25	330	125	290	1230	220	400	130	185	240	60	360	FET2206-21
FET-252/1250		4625	110×130	50	4×18	13	400	4360	42	2530	8600	396	550	500	12×24	25	330	125	290	1380	220	550	130	185	240	60	370	FET2212-21
FET-252/1250		4625	110×130	50	4×18	13	400	4360	42	2530	8600	396	550	500	12×24	25	330	125	290	1380	220	550	130	185	240	60	370	FET2212-21S
FET-252/1250		4475	110×130	50	4×18	13	400	4210	32	2530	8600	396	550	500	12×24	25	330	125	290	1230	220	400	130	185	240	60	370	FET2212-28

363kV RIP Type Capacitive Composite Transformer Bushing (Draw-Lead Type)



Performance Parameter Table

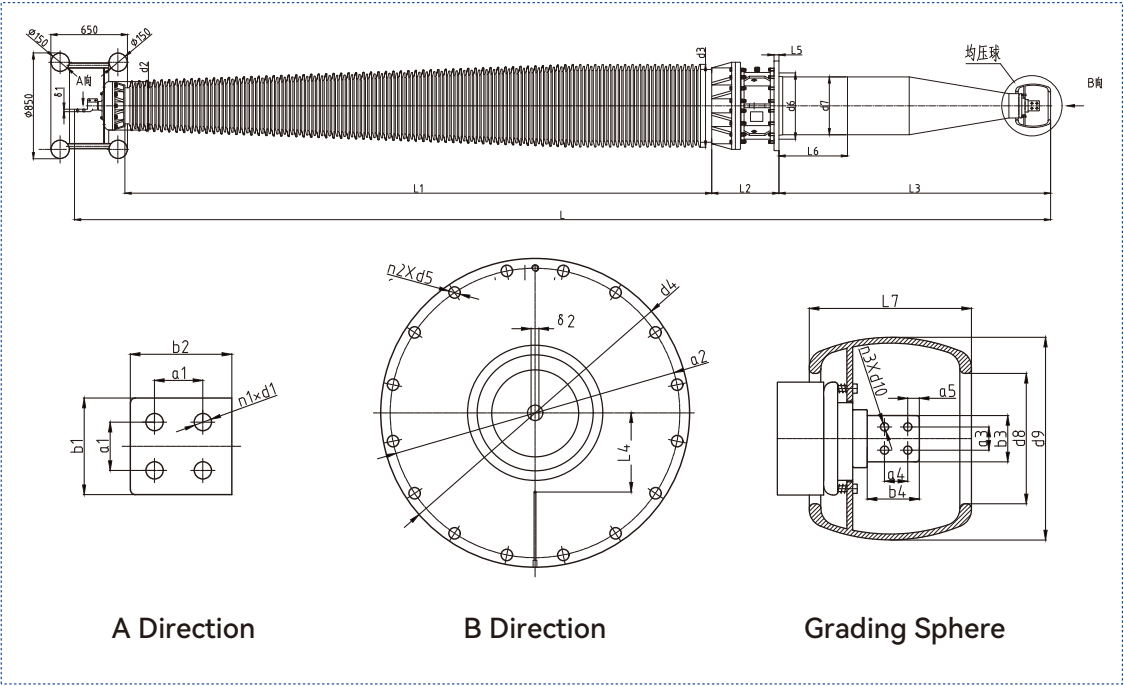
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	363kV	
Rated Current	1250A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	625kV	
Full Lightning Impulse Withstand Voltage	1175kV	
Switching Impulse Withstand Voltage	950kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4)and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Cable Lead Length	Hole Diameter of Lead Connection	Composite External Insulation			Flange							Dimensions of Oil End			Grading Sphere			Inner Diameter of Conductive Tube	Weight	Product Code
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness				Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil	L8	d9	d10	d11		
			L	b1×b2	a1	n1xd1	δ	d2	L4	d3	L1	S	d4	d5	a2	n2 xd6	L6	≥d7	L5	L2	L3	d8	L7	L8	d9	d10	d11	
FET-363/1250		6245	100×100	50	4×18	16	452	5990	32	3720	12380	475	650	600	16x24	35	390	187.5	370	1650	285	550	260	210	290	70	950	FET3312-01

550kV RIP Type Capacitive Porcelain Transformer Bushing (Current-Carrying Type)



Performance Parameter Table

Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	550kV	
Rated Current	1600-2500A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	750kV	
Full Lightning Impulse Withstand Voltage	1675kV	
Switching Impulse Withstand Voltage	1175kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000-5000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Porcelain External Insulation			Flange							Dimensions of Oil End			Grading Sphere			Terminal in Oil					Weight	Product Code	
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil				Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness				
			L	b1×b2	a1	n1xd1		δ	d2	L1	S	d3	d4	a2	n2 xd5	L5	≥d6	L4	L2	L3	d7	L6	L7	d8	d9	b3xb4	a3	a4			a5
CET-550/1600		7625	110×130	50	4×18	20	375	4850	18755	558	720	660	12x24	35	350	168	380	1895	320	605	350	230	350	60×105	50	20	2x14	25	1650	CET5016-08	
CET-550/2500		7885	110×130	50	2-4×18	15	375	4772	18755	597	720	660	12x24	35	480	190	430	2185	350	600	350	230	350	80×85	40	40	25	4x14	25	1850	CET5025-08
CET-550/2500		7885	110×130	50	2-4×18	15	375	4772	18755	597	720	660	12x24	35	480	190	430	2185	350	600	350	230	350	80×85	40	40	25	4x14	25	1850	CET5025-08S

The technical drawing illustrates a roller with a 100mm diameter, composed of three main sections: a head (L1), a body (L2), and a tail (L3). The total length is L. The head features a central shaft with a diameter of $\phi 200$ and a width of 150mm. The body is a long cylinder with a diameter of $\phi 100$ and a length of L1. The tail section has a diameter of $\phi 100$ and a length of L3. The roller is shown in three views: A Direction (top view), B Direction (side view), and Grading Sphere (cross-section view).

A Direction

Top view showing the roller's profile. Dimensions include: overall width 150, head width 100, head diameter $\phi 200$, head length L_1 , body diameter $\phi 100$, body length L_2 , tail diameter $\phi 100$, tail length L_3 , and total length L .

B Direction

Side view showing the roller's profile. Dimensions include: overall width 150, head width 100, head diameter $\phi 200$, head length L_1 , body diameter $\phi 100$, body length L_2 , tail diameter $\phi 100$, tail length L_3 , and total length L .

Grading Sphere

Cross-section view showing the roller's internal structure. Dimensions include: overall width 150, head width 100, head diameter $\phi 200$, head length L_1 , body diameter $\phi 100$, body length L_2 , tail diameter $\phi 100$, tail length L_3 , and total length L .

Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	550kV	
Rated Current	1600-2500A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	750kV	
Full Lightning Impulse Withstand Voltage	1675kV	
Switching Impulse Withstand Voltage	1175kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000-5000N	
Minimum Nominal Creepage Distance	31mm/kV	

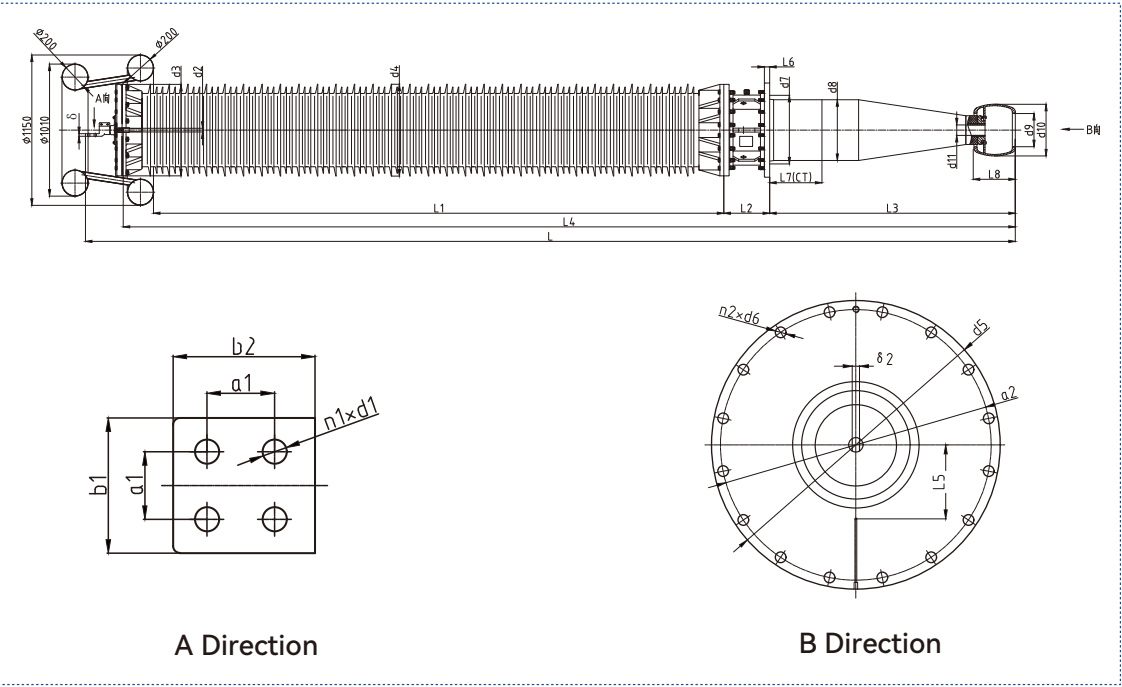
Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Porcelain External Insulation			Flange						Dimensions of Oil End			Grading Sphere			Terminal in Oil				Weight	Product Code	
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil				Grounding Length in Oil	Plate Surface	Hole Center Distance	Number and Diameter of Holes			Plate Thickness
			L	b1×b2	a1	n1×d1		δ1	d2	L1	S	d3	d4	a2	n2×d5	L5	≥d6	L4	L2	L3	d7	L6	L7	d8	d9	b3×b4			a3
FET-550/1600	7455	50×150				530	4882	18755	500	500	450	12×20	35	350	168	380	1750	320	605				40×155					1350	FET5016-07
FET-550/2500	7887	110×130	50	2-4×18	15	520	4737	18755	538	720	660	12×24	35	480	190	430	2185	350	600	350	230	350	80×85	40	40	4×14	25	1550	FET5025-14
FET-550/2500	7887	110×130	50	2-4×18	15	520	4737	18755	538	720	660	12×24	35	480	190	430	2185	350	600	350	230	350	80×85	40	40	4×14	25	1550	FET5025-14S

[illegible]

Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	550kV	
Rated Current	630A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	750kV	
Full Lightning Impulse Withstand Voltage	1675kV	
Switching Impulse Withstand Voltage	1175kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000N	
Minimum Nominal Creepage Distance	31mm/kV	

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal			Head Diameter	Cable Lead Length	Hole Diameter of Lead Connection	Porcelain External Insulation			Flange						Dimensions of Oil End			Grading Sphere			Inner Diameter of Conductive Tube	Weight	Product Code		
			Plate Surface	Hole Center Distance	Number and Diameter of Holes				Plate Thickness	Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part							Main Diameter of the Part in Oil	Grounding Length in Oil
		L	b1×b2	a1	n1×d1	δ	d2	L4	d3	L1	S	d4	d5	a2	n2×d6	L6	≥d7	L5	L2	L3	d8	L7	L8	d9	d10		d11	kg
CET-550/630		7430	100×100	50	4×18	13	375	7170	32	4850	17050	558	720	660	12×24	35	350	168	380	1770	320	605	225	210	290	70	1530	CET5006-03

550kV RIP Type Capacitive Composite Transformer Bushing (Draw-Lead Type)



Performance Parameter Table

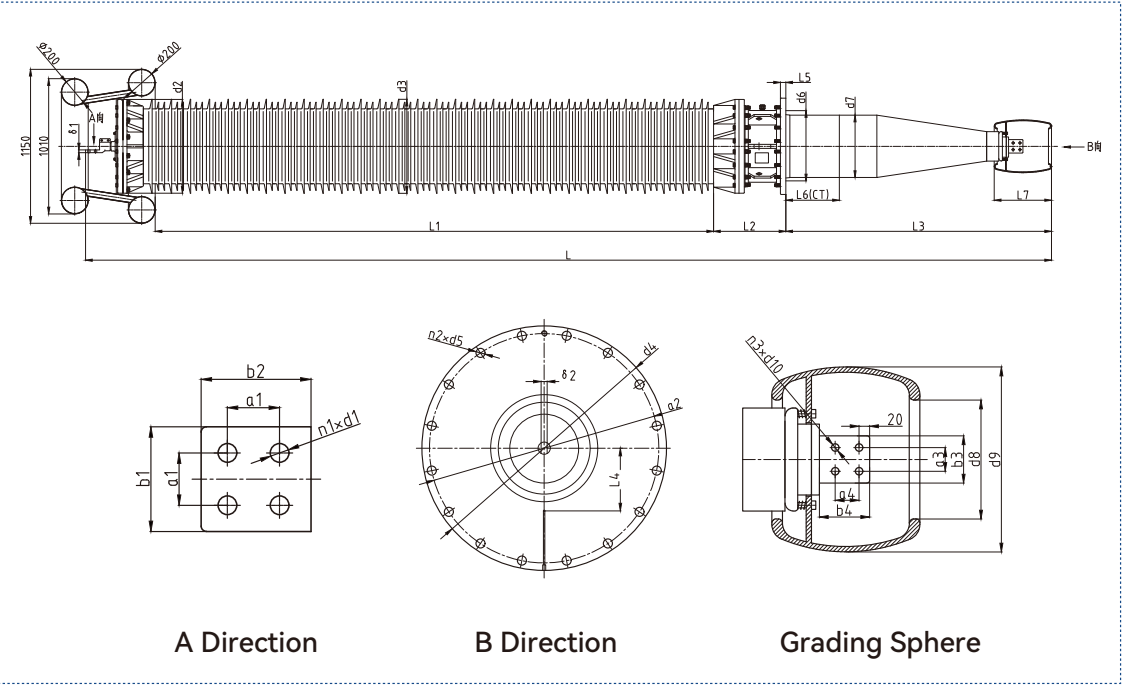
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	550kV	
Rated Current	1250A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	750kV	
Full Lightning Impulse Withstand Voltage	1675kV	
Switching Impulse Withstand Voltage	1175kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4)and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Cable Lead Length	Hole Diameter of Lead Connection	Composite External Insulation			Flange							Dimensions of Oil End			Grading Sphere			Inner Diameter of Conductive Tube	Weight	Product Code
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness				Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil	L8	d9	d10	d11		
			L	b1×b2	a1	n1×d1	δ	d2	L4	d3	L1	S	d4	d5	a2	n2 ×d6	L6	≥d7	L5	L2	L3	d8	L7	L8	d9	d10	d11	
FET-550/1250		7455	110×130	50	4×18	13	530	7190	32	4800	18755	500	720	660	12×24	35	350	168	380	1765	320	605	225	210	290	70	1100	FET5012-25

550-800kV RIP Type Capacitive Composite Transformer Bushing (Current-Carrying Type)



Performance Parameter Table

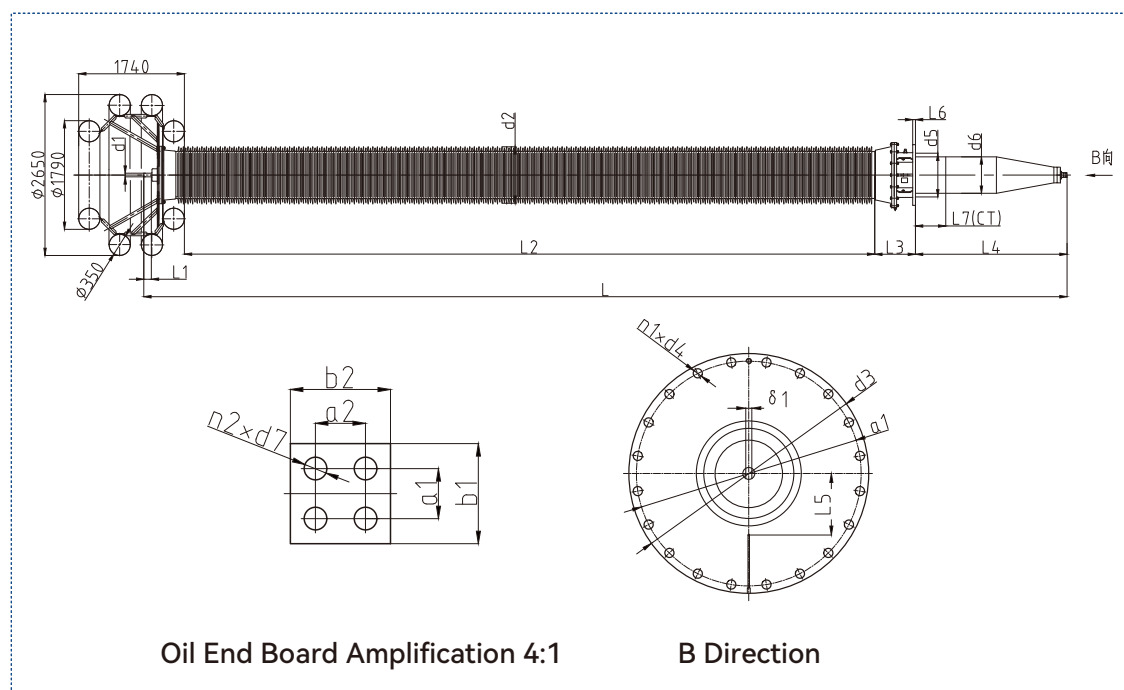
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	550kV	800kV
Rated Current	1600-2500A	2500A
1-minute Power-Frequency Dry (Wet) Withstand Voltage	750kV	1075kV
Full Lightning Impulse Withstand Voltage	1675kV	2400kV
Switching Impulse Withstand Voltage	1175kV	1550kV
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	3150N	5000N
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4)and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Head Diameter	Porcelain External Insulation			Flange							Dimensions of Oil End			Grading Sphere			Terminal in Oil				Weight	Product Code	
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil				Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness			
			L	b1xb2	a1	n1xd1	δ1	d2	L1	S	d3	d4	a2	n2 x d5	L5	≥d6	L4	L2	L3	d7	L6	L7	d8	d9	b3xb4	a3	a4	n3xd10		δ2
FET-550/1600		7455	ø50×150	/	/	/	530	4882	18755	500	500	450	12×20	35	400	168	380	1750	320	605	/	/	/	ø40×155	/	/	/	/	1350	FET5016-07
FET-550/2500		7887	110×130	50	2-4×18	15	520	4737	18755	538	720	660	12×24	35	400	190	400	2185	350	600	350	230	350	80×85	40	40	4×14	25	1550	FET5025-14
FET-550/2500		7887	110×130	50	2-4×18	15	520	4737	18755	538	720	660	12×24	35	500	190	400	2185	350	600	350	230	350	80×85	40	40	4×14	25	1550	FET5025-14S
FET-800/2500		10529	110×130	50	2-4×18	15	665	7350	29760	720	780	711	12×32	45	530	258	550	2070	425	600	/	/	/	60×100	40	/	2×14	30	3522	FET7525-05

1100kV RIP Type Capacitive Composite Transformer Bushing (Current-Carrying Type)



Performance Parameter Table

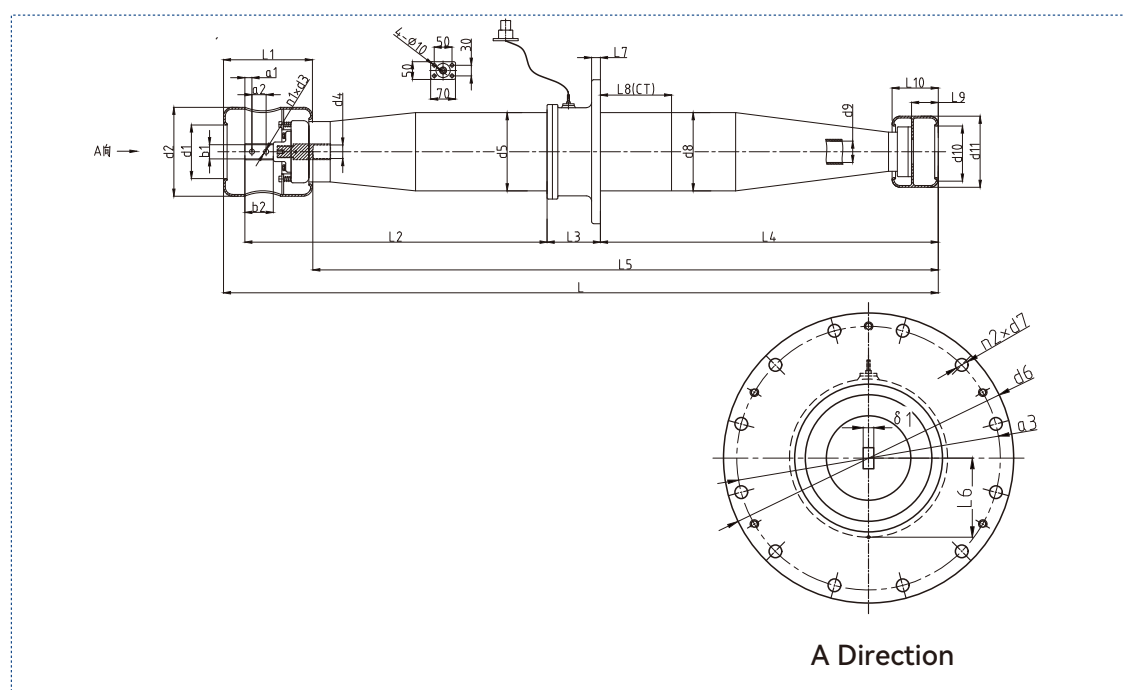
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage		1100kV
Rated Current		3150A
1-minute Power-Frequency Dry (Wet) Withstand Voltage		1200kV
Full Lightning Impulse Withstand Voltage		2400kV
Switching Impulse Withstand Voltage		1950kV
$\tan\delta$ at 1.05 Times the Maximum Phase Voltage		≤ 0.005
Partial Discharge at Rated Voltage		$\leq 10\text{pC}$
Bending Test Load		5000N
Minimum Nominal Creepage Distance		31mm/kV

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3), Cable Entry Length (L4) and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal		Composite External Insulation			Flange							Dimensions of Oil End			Terminal in Oil				Weight	Product Code	
			Diameter	Length	Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Center Distance of Vent Holes	Flange Height	Total Length of Oil-Immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil	Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness			
		L	d1	L1	L2	S	d2	d3	a1	n1 x d4	L6	≥d5	L5	L3	L4	d6	L7	b1×b2	a1	a2	4×r18	δ1	kg	
FET-1100/3150		15193	60	125	11360	40920	928	1000	930	20×32	45	720	348	670	2495	600	500	80×80	40	40	4×18	25	6886	FET11031-01

126kV-252kV RIP Type Oil/Oil bushing (Draw-Lead Type)



Performance Parameter Table

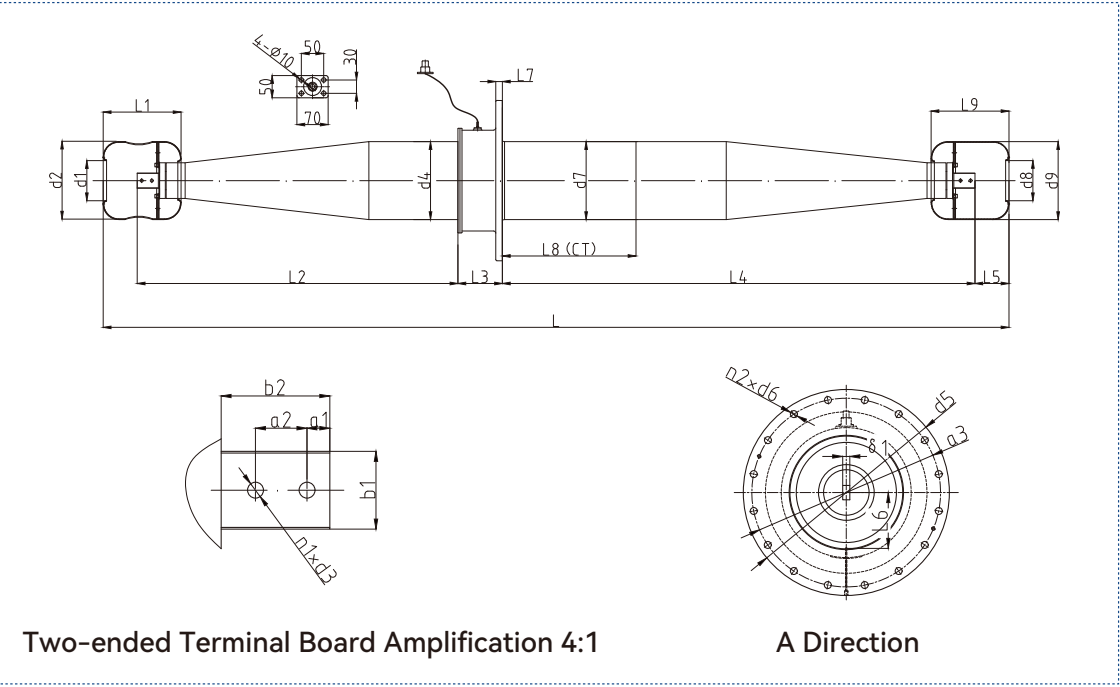
Main Performance			
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0	
Rated Voltage	126kV	145kV	252kV
Rated Current	1250A	1250A	630A
1-minute Power-Frequency Dry (Wet) Withstand Voltage	230kV	275kV	460kV
Full Lightning Impulse Withstand Voltage	550kV	650kV	850kV
Switching Impulse Withstand Voltage	/	/	/
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005		
Partial Discharge at Rated Voltage	≤10pC		
Bending Test Load	3150N	3150N	4000N

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3), Cable Entry Length (L4) and the total length (L) also change simultaneously

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Oil End Grading Sphere				Terminal				Dimensions of Oil End		Flange					Dimensions of Transformer End			Transformer End Grading Sphere					Weight	Product Code
							Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil							
	L	L1	d1	d2	b1×b2	a1	a1	n1×d3	δ1	L2	d5	d6	a3	n2 xd7	L7	L6	L3	L4	d8	L8	L9	L10	d10	d11	kg		
ETOD-126/1250	1955	230	160	220	40	20	40	2×14	20	835	135	335	290	12×20	20	82.5	120	1000	135	500	/	60	/	120	40	ETOD-126/1250	
ETOD-145/1250	2015	230	160	220	40	20	40	2×14	20	835	142	335	290	12×20	20	87.5	120	1060	142	550	/	60	/	120	50	ETOD-145/1250	
ETOD-126/1250	2300	250	150	250	40	20	40	2×14	20	890	220	550	500	12×24	20	150	150	1100	220	400	40	100	165	220	120	ETOD-126/1250	

170kV-550kV RIP Type Oil/Oil bushing (Current-Carrying Type)



Performance Parameter Table

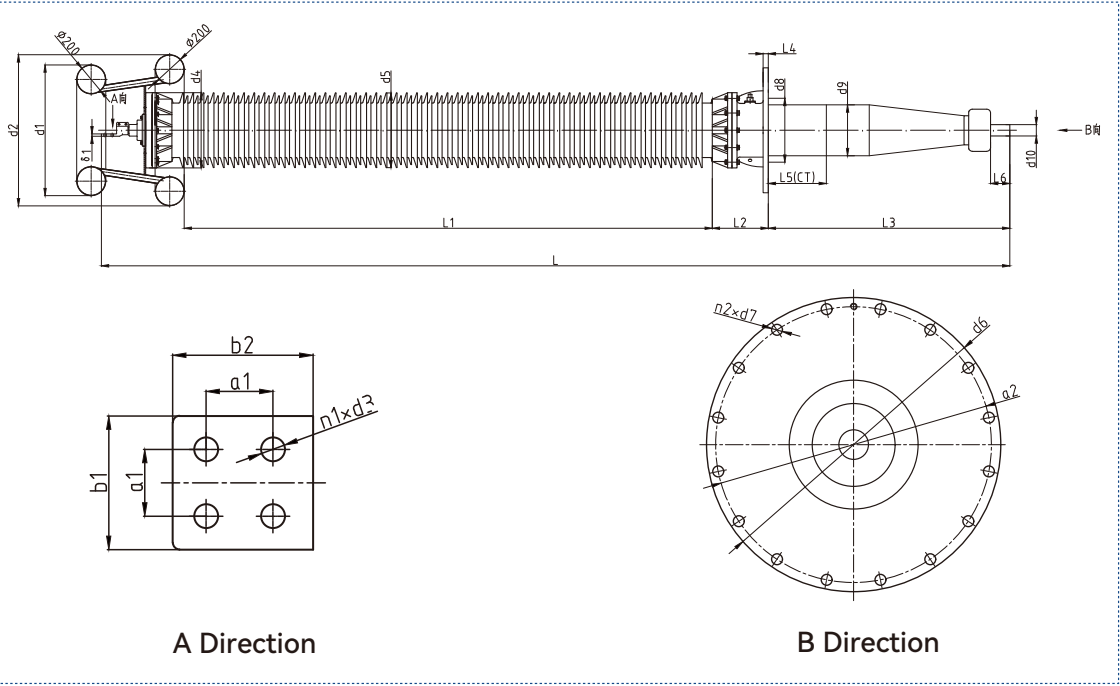
Main Performance			
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0	
Rated Voltage	170kV	363kV	550kV
Rated Current	630A	1250A	1250A
1-minute Power-Frequency Dry (Wet) Withstand Voltage	325kV	570kV	680kV
Full Lightning Impulse Withstand Voltage	750kV	1175kV	1675kV
Switching Impulse Withstand Voltage	/	950kV	1175kV
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005		
Partial Discharge at Rated Voltage	≤10pC		
Bending Test Load	4000N	4000N	4000N

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4)and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Oil End Grading Sphere				Two-ended Terminal Board				Dimensions of Oil End		Flange						Dimensions of Transformer End			Transformer End Grading Sphere					Weight	Product Code
							Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil							
			L	L1	d1	d2	b1×b2	a1	a2	n1xd3	δ1	L2	d4	d5	a3	n2 xd6	L7	L6	L3	L4	d7	L8	L9	L5	d8	d9	kg	
ETOD-170/630		2050	250	120	180	ø45×90	20	44.5	2×13	20	735	170	400	350	6×24	22	100	150	1035	170	300	65	250	120	180	100	ETOD1706-03	
ETOD-363/1250		2640	260	210	290	65×90	20	45	2×14	20	1040	285	600	550	16×25	30	159	200	1240	285	/	80	260	210	290	190	ETOD3312-02	
ETOD-550/1250		4136	350	250	350	ø50×82	20	40	2×13	20	1440	350	720	660	16×24	200	195	200	2190	350	750	153	350	250	350	480	ETOD5012-03	

126kV-363kV RIP Type Composite GIS Lead-out Bushing



Performance Parameter Table

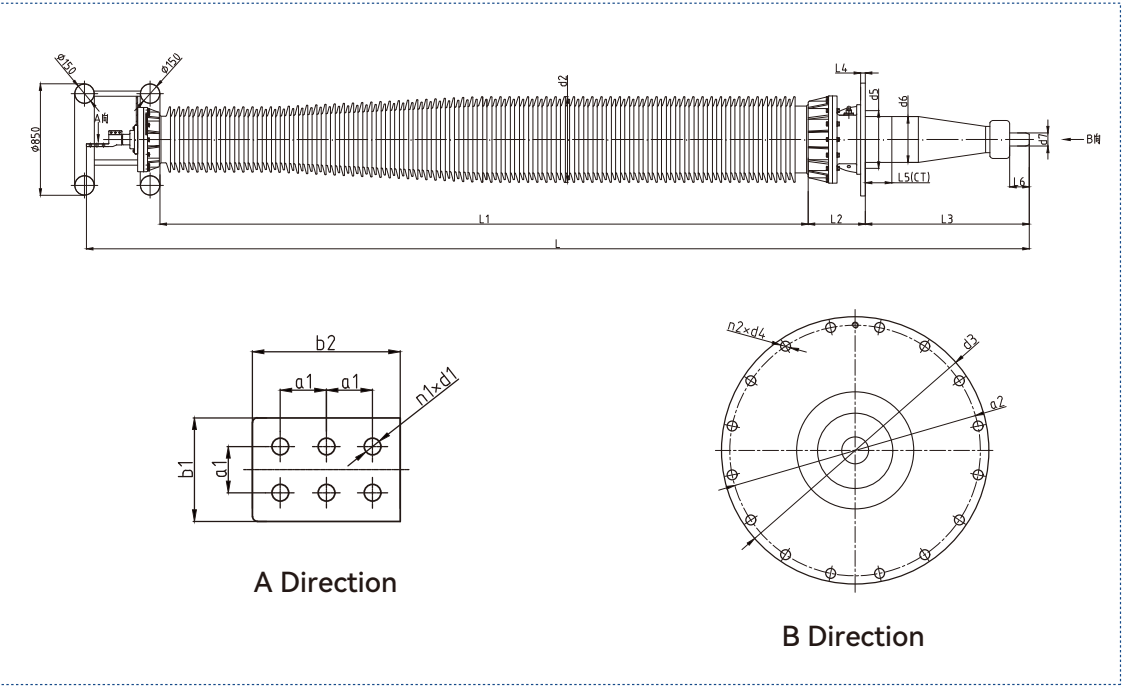
Main Performance			
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0	
Rated Voltage	126kV	170kV	252kV 363kV
Rated Current	630A	2000A	3150A 4000A
1-minute Power-Frequency Dry (Wet) Withstand Voltage	230kV	650kV	460kV 520kV
Full Lightning Impulse Withstand Voltage	550kV	275kV	1050kV 1175kV
Switching Impulse Withstand Voltage	/	/	750kV 950kV
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005		
Partial Discharge at Rated Voltage	≤10pC		
Bending Test Load	3150N	5000N	5000N 5000N
Minimum Nominal Creepage Distance	31mm/kV		

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4)and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Grading Sphere		Terminal				Head Diameter	Composite External Insulation			Flange						GIS Wall End			Dimensions of GIS Connection		Weight	Product Code
					Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness		Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Flange Height	Total length in the air	Principal diameter in the air	Air gap length	Diameter	length		
			L	d1	d2	b1×b2	a1	n1×d3	δ1	d4	L1	S	d5	d6	a2	n2 ×d7	L4	≥d8	L2	L3	d9	L5	d10	L6	
FETA-126/630	2180	/	/	80×80	40	4×14	10	270	1330	3906	286	315	285	8×16	20	235	240	580	135	/	50	100	90	FETA1106-03	
FETA-170/2000	2730	/	/	100×100	50	4×18	20	302	1425	5270	364	440	390	12×24	23	250	240	650	170	85	M50×2	100	180	FETA1720-01	
FETA-252/3150	4255	/	/	125×125	60	4×18	20	400	2530	8593	396	550	500	12×24	30	330	290	925	220	/	90	100	430	FETA2231-01	
FETA-363/4000	6236	1010	1150	112×170	50	6×18	20	520	3720	12380	538	640	640	12×24	35	440	400	1659	350	400	90	133	1270	FETA3340-01	

550kV RIP Type Porcelain GIS Lead-out Bushing



Performance Parameter Table

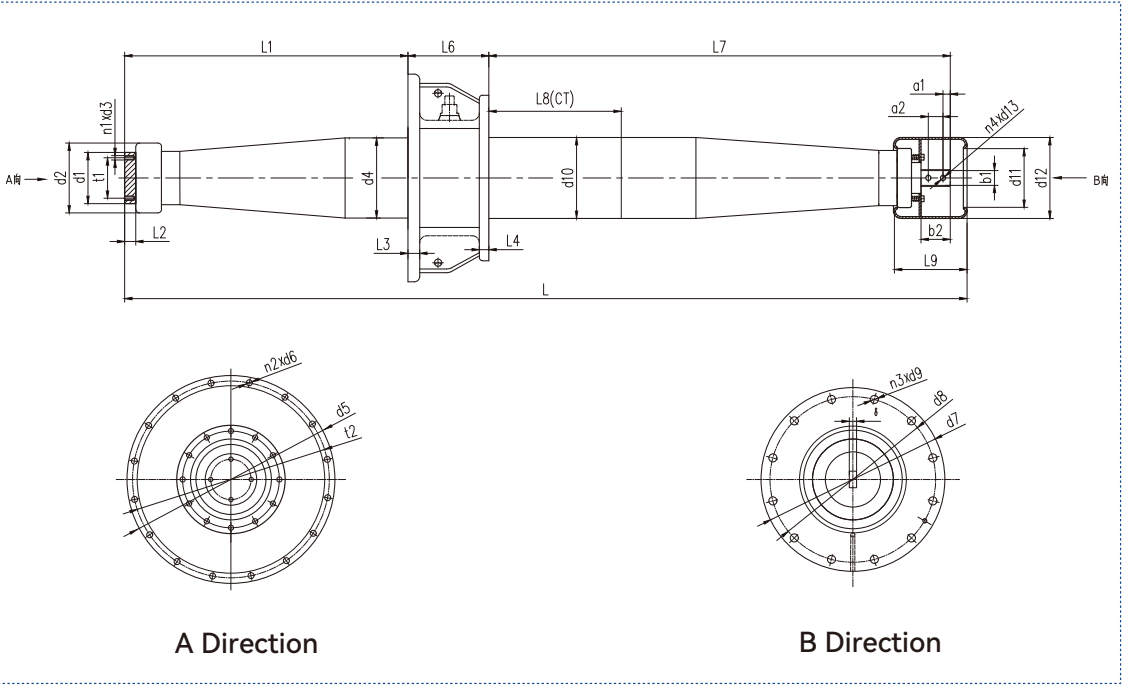
Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	550kV	
Rated Current	4000A	
1-minute Power-Frequency Dry (Wet) Withstand Voltage	740kV	
Full Lightning Impulse Withstand Voltage	1675kV	
Switching Impulse Withstand Voltage	1175kV	
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	5000N	
Minimum Nominal Creepage Distance	31mm/kV	

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4)and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal				Porcelain External Insulation			Flange						GIS Wall End			Dimensions of GIS End		Weight	Product Code
			Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness	Insulation Distance	Creepage Distance	Maximum Shed Diameter	Outer Diameter of Flange	Center Distance of Mounting Holes	Number and Diameter of Holes	Flange Thickness	Inner Diameter of Sealing Surface	Flange Height	Total length in the air	Principal diameter in the air	Air gap length	Diameter	length		
			L	b1×b2	a1	n1xd1	δ1	L1	S	d2	d3	a2	n2 xd4	L4	≥d5	L2	L3	d6	L5	d7	L6	kg
CETA-550/4000		6820	112×165	50	6×18	20	4567	17050	597	660	615	16×18	40	440	430	1250	350	/	100	150	1970	CETA5040-03

126kV-550kV RIP Type Oil/SF6 bushing (Draw-Lead Type)



Performance Parameter Table

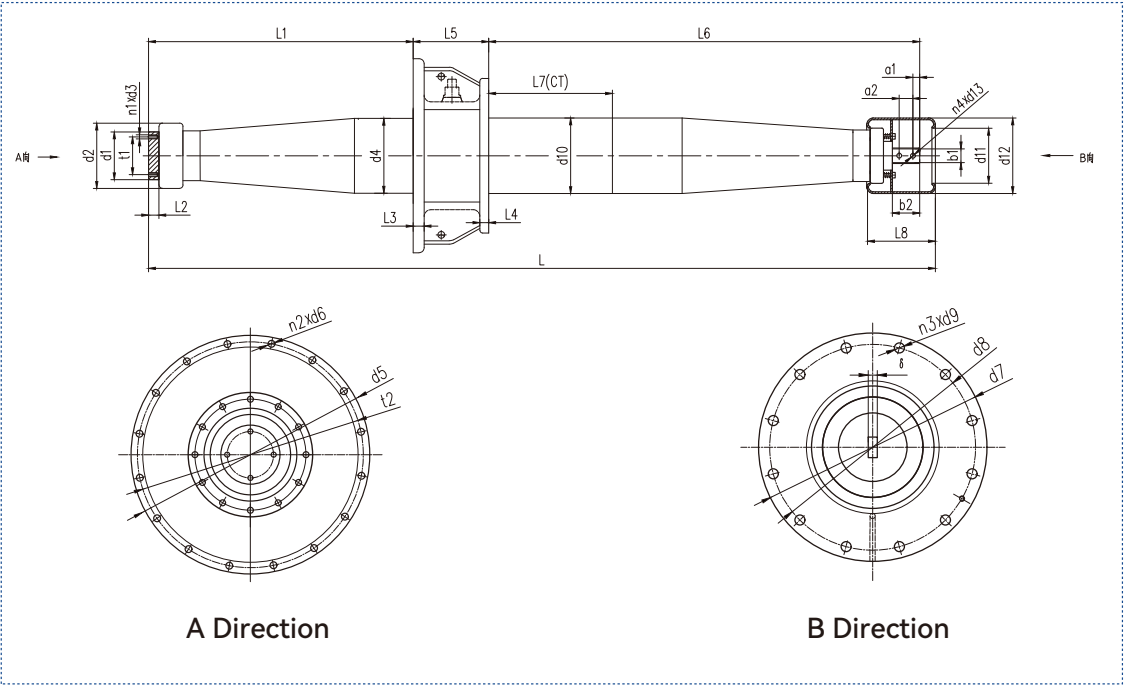
Main Performance					
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0			
Rated Voltage	126kV	145kV	170kV	252kV	550kV
Rated Current	630A	1250A	2000A	1250A	1250-2500A
1-minute Power-Frequency Dry (Wet) Withstand Voltage	230kV	275kV	325kV	460kV	740kV
Full Lightning Impulse Withstand Voltage	550kV	650kV	750kV	1050kV	1675kV
Switching Impulse Withstand Voltage	/	/	/	850kV	1175kV
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005				
Partial Discharge at Rated Voltage	≤10pC				
Bending Test Load	3150N	3150N	5000N	4000N	4000-5000N

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L3) , Cable Entry Length (L4)and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal Dimensions of SF ₆ End					Dimensions of SF ₆ End			Flange									Dimensions of Oil End			Grading Shield			Terminal in Oil				Weight	Product Code	
			Outer Diameter	Hole Center Distance	Number and Diameter of Holes	Thickness	Head Diameter	Length	Maximum Diameter	Outer Diameter of SF ₆ End	Mounting Hole Center Distance of SF ₆ End	Number and Diameter of Holes of SF ₆ End	Flange Thickness of SF ₆ End	Outer Diameter of Oil End	Mounting Hole Center Distance of Oil End	Number and Diameter of Holes of Oil End	Flange Thickness of Oil End	Center Distance of Vent Holes	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil				Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness			
			L	d1	t1	n1xd3	L2	d2	L1	d4	d5	t2	n2 xd6	L3	d7	d8	n3 xd9	L4	L5	L6	L7	d10	L8	L9	d11	d12	b1xb2	a1	a2			n4×d13
ETGD-126/630		1585	99	70	4×M12	30	145	520	135	335	305	8×16	30	335	290	12×22	20	92.5	150	870	135	380	195	127	170	ø35×80	20	40	2×13	20	50	ETGD1106-02
ETGD-145/1250		1840	99	70	4×M12	30	145	520	142	335	305	8×16	30	400	350	6×24	20	125	150	1105	142	500	220	127	170	40×80	20	40	2×13	20	60	ETGD1412-04
ETGD-170/2000		2040	139	110	4×M12	30	200	1050	350	565	535	16×16	33	450	400	12×20	26	100	220	1145	170	400	250	120	180	80×90	20	40	4×14	20	130	ETGD1720-01
ETGD-252/1250		2140	139	110	4×M12	30	190	770	220	565	535	16×16	33	450	400	12×20	26	135	220	1105	220	360	200	160	220	45×80	20	40	2×14	20	130	ETGD2212-10
ETGD-550/1250		3493	139	110	4×M12	30	200	1050	350	690	640	16×20	33	600	550	16×25	30	195	250	2040	350	600	350	250	350	ø50×82	20	40	2×13	25	400	ETGD5012-10Z01
ETGD-550/1600		3493	139	110	4×M12	30	200	1050	350	690	640	16×20	33	600	550	16×25	30	195	250	2053	350	600	350	250	350	ø65×95	20	45	2×14	20	400	ETGD5016-03Z02
ETGD-550/2000		3493	139	110	4×M12	30	200	1050	350	690	640	16×20	33	600	550	16×25	30	195	250	2053	350	600	350	250	350	ø65×95	20	45	2×14	20	420	ETGD5016-03Z03
ETGD-550/2500		3493	139	110	4×M12	30	200	1050	350	690	640	16×20	33	600	550	16×25	30	195	250	2053	350	600	350	250	350	ø65×95	20	45	2×14	25	440	ETGD5016-03Z04

252-550 kV RIP Type Oil/SF6 bushing (Current-Carrying Type)



Performance Parameter Table

Main Performance		
Technical Standards	GB/T 4109	IEC 60137 Ed.6.0
Rated Voltage	252kV	550kV
Rated Current	1250A	1250-2500A
1-minute Power-Frequency Dry (Wet) Withstand Voltage	460kV	740kV
Full Lightning Impulse Withstand Voltage	1050kV	1675kV
Switching Impulse Withstand Voltage	850kV	1175kV
tanδ at 1.05 Times the Maximum Phase Voltage	≤0.005	
Partial Discharge at Rated Voltage	≤10pC	
Bending Test Load	4000N	4000-5000N

Note: The product dimensions in the table are recommended sizes. The key installation and assembly dimensions can be designed according to user requirements. The final dimensions shall be based on the confirmed drawing dimensions by both parties. Only one CT length is listed in the above table. Users can determine the CT length according to the product requirements. As the CT length changes, the total length of the oil-immersed part (L6) and the total length (L) also change simultaneously.

Product Data Sheet

Model	Main Dimensions (mm)	Total Length of Bushing	Terminal Dimensions of SF ₆ End				Dimensions of SF ₆ End			Flange									Dimensions of Oil End			Grading Shield			Terminal in Oil				Weight	Product Code	
			Outer Diameter	Hole Center Distance	Number and Diameter of Holes	Thickness	Head Diameter	Length	Maximum Diameter	Outer Diameter of SF ₆ End	Hole Center Distance of SF ₆ End	Number and Diameter of Holes of SF ₆ End	Flange Thickness of SF ₆ End	Outer Diameter of Oil End	Hole Center Distance of Oil End	Number and Diameter of Holes of Oil End	Flange Thickness of Oil End	Flange Height	Total Length of Oil-immersed Part	Main Diameter of the Part in Oil	Grounding Length in Oil				Plate Surface	Hole Center Distance	Number and Diameter of Holes	Plate Thickness			
																						L	d1	t1							n1×d3
ETGD-252/1250		2140	139	110	4×M12	30	190	770	220	565	535	16×16	33	450	400	12×20	26	220	1105	220	360	200	160	220	45×80	20	40	2×14	20	130	ETGD2212-10
ETGD-550/1250		3493	139	110	4×M12	30	200	1050	350	690	640	16×20	33	600	550	16×25	30	250	2040	250	600	350	250	350	ø50×82	20	40	2×13	25	400	ETGD5012-10Z01
ETGD-550/1600		3493	139	110	4×M12	30	200	1050	350	690	640	16×20	33	600	550	16×25	30	250	2053	250	600	350	250	350	ø65×95	20	45	2×14	20	400	ETGD5016-03202
ETGD-550/2000		3493	139	110	4×M12	30	200	1050	350	690	640	16×20	33	600	550	16×25	30	250	2053	250	600	350	250	350	ø65×95	20	45	2×14	20	420	ETGD5016-03203
ETGD-550/2500		3493	139	110	4×M12	30	200	1050	350	690	640	16×20	33	600	550	16×25	30	250	2053	250	600	350	250	350	ø65×95	20	45	2×14	25	440	ETGD5016-03204