



# 复合绝缘子 Composite Insulator 选型手册 Insulator Selection Guide

大连电瓷集团输变电材料有限公司  
Dalian Insulator Group T&D Co., Ltd.



# 复合绝缘子

## Composite Insulator

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### 一、架空线路用复合绝缘子

#### Composite insulators for Transmission Lines

#### 1.1 悬式和耐张复合绝缘子

##### Composite Suspension and Tension Insulators

##### 1.1.1 交流悬垂和耐张复合绝缘子

##### Composite suspension and tension insulators for AC transmission lines

交流悬垂和耐张复合绝缘子型号说明

Type description of composite suspension and tension insulators for a.c.



图1 Fig1

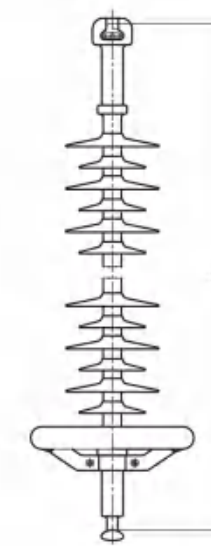


图2 Fig2

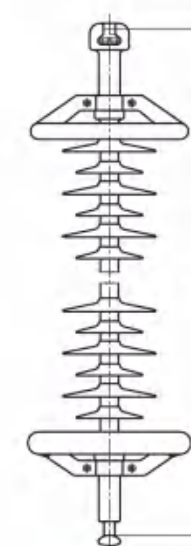


图3 Fig3

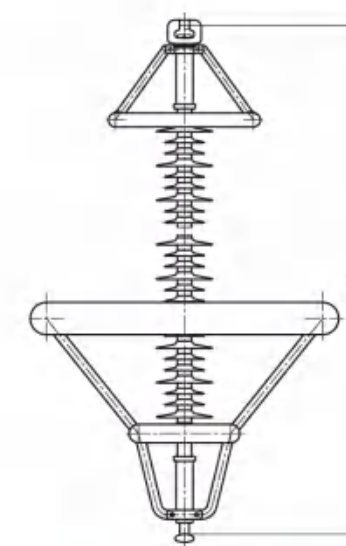


图4 Fig4

产品型号	额定电压	规定机械负荷	结构高度(H)	爬电距离	湿工频耐受电压	干雷电冲击耐受电压	操作冲击耐受电压	图号
	kV	kN	mm	mm	kV	kV	kV	
FXBW-10/70	10	70	310±13	350	38	75	—	1
FXBW-35/70-1	35	70	670±22	810	95	230	—	1
FXBW-35/70-2	35	70	670±22	1015	95	230	—	1
FXBW-66/70-1	66	70	870±27	1650	185	410	—	1
FXBW-66/70-2	66	70	940±29	1920	185	410	—	1
FXBW-66/120-1	66	120	870±27	1650	185	410	—	1
FXBW-66/120-2	66	120	940±29	1920	185	410	—	1
FXBW-110/70-1	110	70	1240±37	2520	230	550	—	2
FXBW-110/70-2	110	70	1240±37	3150	230	550	—	2
FXBW-110/70-3	110	70	1440±42	3520	230	550	—	2
FXBW-110/120-1	110	120	1240±37	2520	230	550	—	2
FXBW-110/120-2	110	120	1240±37	3150	230	550	—	2
FXBW-110/120-3	110	120	1440±42	3520	230	550	—	2
FXBW-110/160-1	110	160	1340±39	3150	230	550	—	2
FXBW-110/160-2	110	160	1440±42	3520	230	550	—	2
FXBW-220/120-1	220	120	2240±50	5040	395	1000	—	3
FXBW-220/120-2	220	120	2350±50	6340	395	1000	—	3
Type	Rated voltage	Specified mechanical load	Height(H)	Creepage distance	Wet power-frequency withstand voltage	Dry lightning impulse withstand voltage	Switching impulse withstand voltage	Figure No.

产品型号	额定电压	规定机械负荷	结构高度(H)	爬电距离	湿工频耐受电压	干雷电冲击耐受电压	操作冲击耐受电压	图号
	kV	kN	mm	mm	kV	kV	kV	
FXBW-220/120-3	220	120	2470±50	7040	395	1000	—	3
FXBW-220/160-1	220	160	2240±50	5040	395	1000	—	3
FXBW-220/160-2	220	160	2350±50	6340	395	1000	—	3
FXBW-220/160-3	220	160	2470±50	7040	395	1000	—	3
FXBW-220/210-1	220	210	2350±50	6340	395	1000	—	3
FXBW-220/210-2	220	210	2470±50	7040	395	1000	—	3
FXBW-330/120-1	330	120	2930±50	7260	570	1425	950	3
FXBW-330/120-2	330	120	3150±50	9240	570	1425	950	3
FXBW-330/120-3	330	120	3350±50	10560	570	1425	950	3
FXBW-330/160-1	330	160	2930±50	7260	570	1425	950	3
FXBW-330/160-2	330	160	3150±50	9240	570	1425	950	3
FXBW-330/160-3	330	160	3350±50	10560	570	1425	950	3
FXBW-330/210-1	330	210	2930±50	7260	570	1425	950	3
FXBW-330/210-2	330	210	3150±50	9240	570	1425	950	3
FXBW-330/210-3	330	210	3350±50	10560	570	1425	950	3
FXBW-500/120-1	500	120	4050±50	11000	740	2050	1240	3
FXBW-500/120-2	500	120	4450±50	14000	740	2050	1240	3
Type	Rated voltage	Specified mechanical load	Height(H)	Creepage distance	Wet power-frequency withstand voltage	Dry lightning impulse withstand voltage	Switching impulse withstand voltage	Figure No.



产品型号	额定电压	规定机械负荷	结构高度 (H)	爬电距离	湿工频耐受电压	干雷电冲击耐受电压	操作冲击耐受电压	图号
	kV	kN	mm	mm	kV	kV	kV	
FXBW-500/120-3	500	120	4900±50	16000	740	2050	1240	3
FXBW-500/160-1	500	160	4050±50	11000	740	2050	1240	3
FXBW-500/160-2	500	160	4450±50	14000	740	2050	1240	3
FXBW-500/160-3	500	160	4900±50	16000	740	2050	1240	3
FXBW-500/210-1	500	210	4050±50	11000	740	2050	1240	3
FXBW-500/210-2	500	210	4450±50	14000	740	2050	1240	3
FXBW-500/210-3	500	210	4900±50	16000	740	2050	1240	3
FXBW-500/300-1	500	300	4450±50	14000	740	2050	1240	3
FXBW-500/300-2	500	300	4900±50	16000	740	2050	1240	3
FXBW-500/420-1	500	420	4450±50	14000	740	2050	1240	3
FXBW-500/420-2	500	420	4900±50	16000	740	2050	1240	3
FXBW-750/120	750	120	7150±50	23500	1050	2700	1800	4
FXBW-750/120-G	750	120	7350±50	24150	950	2700	1800	4
FXBW-750/210	750	210	7150±50	23500	1050	2700	1800	4
FXBW-750/210-G	750	210	7350±50	24150	950	2700	1800	4
FXBW-750/300	750	300	7150±50	23500	1050	2700	1800	4
FXBW-750/300-G	750	300	7350±50	24150	950	2700	1800	4
FXBW-750/420	750	420	7150±50	23500	1050	2700	1800	4
FXBW-750/420-G	750	420	7350±50	24150	950	2700	1800	4
FXBW-750/550	750	550	7150±50	23500	1050	2700	1800	4
FXBW-1000/210	1000	210	9000±50	32000	1300	3200	1950	4
FXBW-1000/210	1000	210	9750±50	32000	1300	3200	1950	4
FXBW-1000/300	1000	300	9000±50	32000	1300	3200	1950	4
FXBW-1000/300	1000	300	9750±50	32000	1300	3200	1950	4
FXBW-1000/420	1000	420	9000±50	32000	1300	3200	1950	4
FXBW-1000/420	1000	420	9750±50	32000	1300	3200	1950	4
FXBW-1000/550	1000	550	9000±50	32000	1300	3200	1950	4
FXBW-1000/550	1000	550	9750±50	32000	1300	3200	1950	4
Type	Rated voltage	Specified mechanical load	Height(H)	Creepage distance	Wet power-frequency withstand voltage	Dry lightning impulse withstand voltage	Switching impulse withstand voltage	Figure No.

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
Note: Technical parameters are listed in table for selection, which only reference to design and selection.  
It can formulate according to requirements of customer. The main technical parameters of various products in order to drawings.

### 1.1 悬式和耐张复合绝缘子

#### Composite Suspension and Tension Insulators

#### 1.1.2 直流悬垂和耐张复合绝缘子

#### Composite suspension and tension insulators for DC transmission lines

直流悬垂和耐张复合绝缘子型号说明

Type description of composite suspension and tension insulators for d.c.

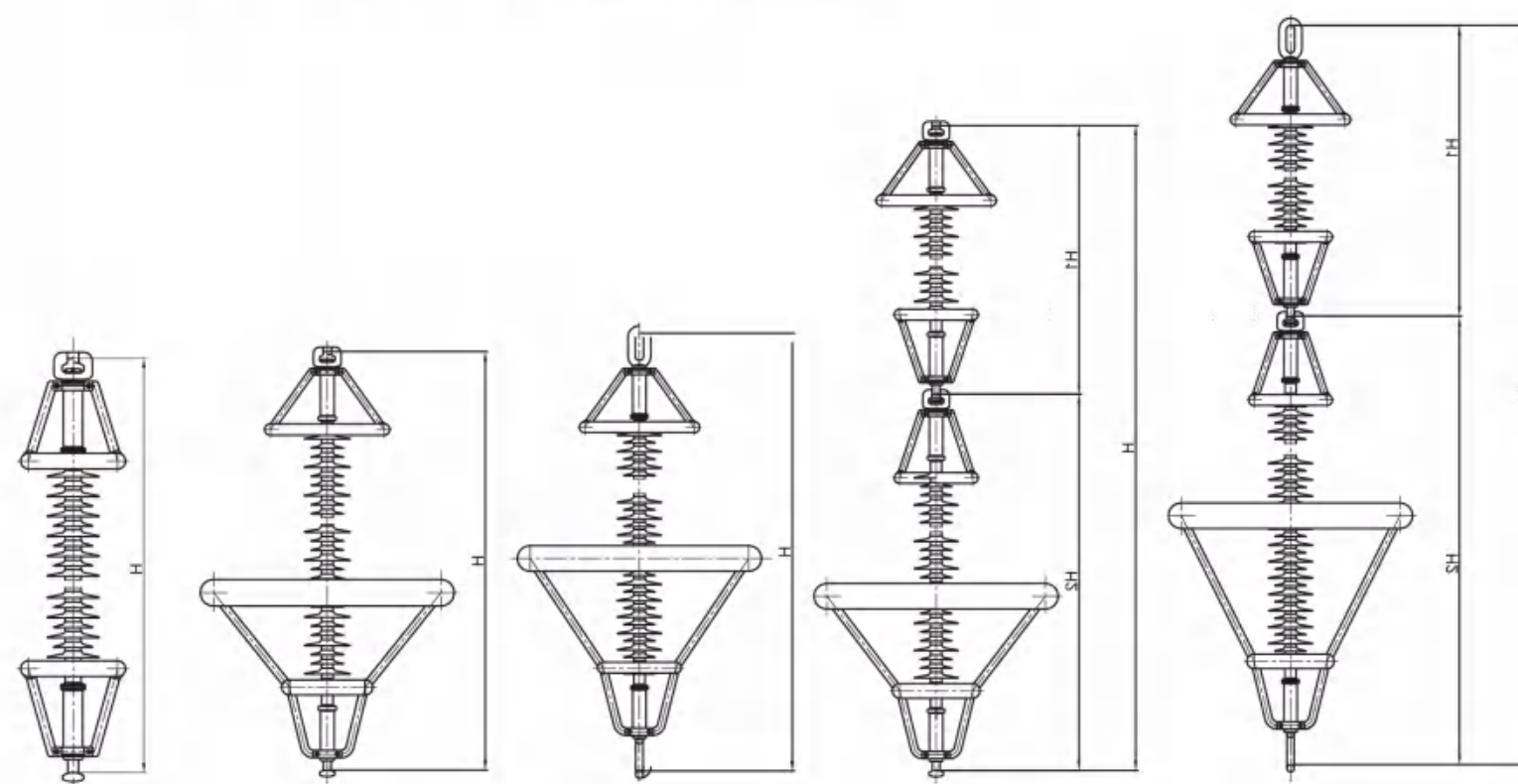
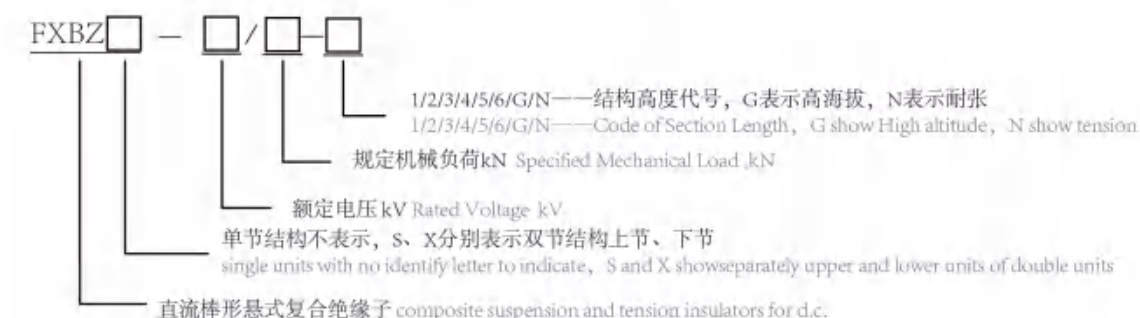


图1 Fig1

图2 Fig2

图3 Fig3

图4 Fig4

图5 Fig5



产品型号	额定电压	规定机械 负荷	结构 高度 (H)	爬电距离	直流湿耐 受电压	干雷电冲击 耐受电压	操作冲击 耐受电压	图号
	kV	kN	mm	mm	kV	kV	kV	
FXBZ-±500/120	±500	120	6800±50	22800	600	2550	1550	1
FXBZ-±500/160-1	±500	160	6800±50	22800	600	2550	1550	1
FXBZ-±500/160-2	±500	160	6290±50	20500	600	2550	1550	1
FXBZ-±500/210-1	±500	210	6800±50	22800	600	2550	1550	1
FXBZ-±500/210-2	±500	210	6290±50	20500	600	2550	1550	1
FXBZ-±500/300-1	±500	300	6800±50	22800	600	2550	1550	1
FXBZ-±500/300-2	±500	300	6290±50	20500	600	2550	1550	1
FXBZ-±500/420-1	±500	420	6800±50	22800	600	2550	1550	1
FXBZ-±500/420-2	±500	420	6290±50	20500	600	2550	1550	1
FXBZ-±800/160-1	±800	160	10600±50	36300	900	3600	1950	2、3
FXBZ-±800/160-2	±800	160	11500±50	41400	900	3600	1950	2、3
FXBZS-±800/160/ FXBZX-±800/160	±800	160	5854±25/ 5934±25	41100	900	3600	1950	4、5
FXBZ-±800/160-3	±800	160	9600±50	36960	900	3600	1950	2、3
FXBZ-±800/160-4	±800	160	10600±50	40810	900	3600	1950	2、3
FXBZ-±800/160-5	±800	160	11000±50	45430	900	3600	1950	2、3
FXBZ-±800/160-6	±800	160	11800±50	45430	900	3600	1950	2、3
FXBZ-±800/210	±800	210	11500±50	45430	900	3600	1950	2、3
FXBZ-±800/240-1	±800	240	10600±50	36300	900	3600	1950	2、3
FXBZ-±800/240-2	±800	240	11500±50	41400	900	3600	1950	2、3
FXBZS-±800/240/ FXBZX-±800/240	±800	240	5844±25/ 5920±25	41100	900	3600	1950	4、5
FXBZ-±800/240-3	±800	240	9600±50	36960	900	3600	1950	2、3
FXBZ-±800/240-4	±800	240	10600±50	40810	900	3600	1950	2、3
FXBZ-±800/240-5	±800	240	11000±50	45430	900	3600	1950	2、3
FXBZ-±800/240-6	±800	240	11800±50	45430	900	3600	1950	2、3
FXBZ-±800/300-1	±800	300	10600±50	36300	900	3600	1950	2、3
FXBZ-±800/300-2	±800	300	11500±50	41400	900	3600	1950	2、3
FXBZS-±800/300/ FXBZX-±800/300	±800	300	5825±25 /5939±25	43200	900	3600	1950	4、5
FXBZ-±800/300-3	±800	300	9600±50	36960	900	3600	1950	2、3
FXBZ-±800/300-4	±800	300	10600±50	40810	900	3600	1950	2、3
FXBZ-±800/300-5	±800	300	11000±50	45430	900	3600	1950	2、3
Type	Rated voltage	Specified mechanical load	Height(H)	Creepage distance	DC wet withstand voltage	Dry lightning impulse withstand voltage	Switching impulse withstand voltage	Figure No.

产品型号	额定电压	规定机械 负荷	结构 高度 (H)	爬电距离	直流湿耐 受电压	干雷电冲击 耐受电压	操作冲击 耐受电压	图号
	kV	kN	mm	mm	kV	kV	kV	
FXBZ-±800/300-6	±800	300	11800±50	45430	900	3600	1950	2、3
FXBZ-±800/420-1	±800	420	10600±50	36300	900	3600	1950	2、3
FXBZ-±800/420-2	±800	420	11500±50	41400	900	3600	1950	2、3
FXBZS-±800/420/ FXBZX-±800/420	±800	420	5812±25/ 5917±25	43200	900	3600	1950	4、5
FXBZ-±800/420-3	±800	420	9600±50	36960	900	3600	1950	2、3
FXBZ-±800/420-4	±800	420	10600±50	40810	900	3600	1950	2、3
FXBZ-±800/420-5	±800	420	11000±50	45430	900	3600	1950	2、3
FXBZ-±800/420-6	±800	420	11800±50	45430	900	3600	1950	2、3
FXBZ-±800/550-1	±800	550	10600±50	36300	900	3600	1950	2、3
FXBZ-±800/550-2	±800	550	11500±50	41400	900	3600	1950	2、3
FXBZS-±800/550/ FXBZX-±800/550	±800	550	5790±25/ 5912±25	43200	900	3600	1950	4、5
FXBZ-±800/550-3	±800	550	9600±50	36960	900	3600	1950	2、3
FXBZ-±800/550-4	±800	550	10600±50	40810	900	3600	1950	2、3
FXBZ-±800/550-5	±800	550	11000±50	45430	900	3600	1950	2、3
FXBZ-±800/550-6	±800	550	11800±50	45430	900	3600	1950	2、3
FXBZ-±800/550-N	±800	550	12000±30	43200	900	3600	1950	2、3
FXBZ-±1100/160-1	±1100	160	12300±50	47355	1150	4500	2200	3、5
FXBZ-±1100/160-2	±1100	160	13900±50	53515	1150	4500	2200	3、5
FXBZ-±1100/160-3	±1100	160	15400±50	59290	1150	4500	2200	3、5
FXBZ-±1100/160-4	±1100	160	16600±50	63910	1150	4500	2200	3、5
FXBZ-±1100/210-1	±1100	210	12300±50	47355	1150	4500	2200	3、5
FXBZ-±1100/210-2	±1100	210	13900±50	53515	1150	4500	2200	3、5
FXBZ-±1100/210-3	±1100	210	15400±50	59290	1150	4500	2200	3、5
FXBZ-±1100/210-4	±1100	210	16600±50	63910	1150	4500	2200	3、5
FXBZ-±1100/300-1	±1100	300	12300±50	47355	1150	4500	2200	3、5
FXBZ-±1100/300-2	±1100	300	13900±50	53515	1150	4500	2200	3、5
FXBZ-±1100/300-3	±1100	300	15400±50	59290	1150	4500	2200	3、5
FXBZ-±1100/300-4	±1100	300	16600±50	63910	1150	4500	2200	3、5
FXBZ-±1100/420-1	±1100	420	12300±50	47355	1150	4500	2200	3、5
FXBZ-±1100/420-2	±1100	420	13900±50	53515	1150	4500	2200	3、5
FXBZ-±1100/420-3	±1100	420	15400±50	59290	1150	4500	2200	3、5
Type	Rated voltage	Specified mechanical load	Height(H)	Creepage distance	DC wet withstand voltage	Dry lightning impulse withstand voltage	Switching impulse withstand voltage	Figure No.



复合绝缘子  
Composite Insulator

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产品型号	额定电压	规定机械负荷	结构高度(H)	爬电距离	直流湿耐受电压	干雷电冲击耐受电压	操作冲击耐受电压	图号
	kV	kN	mm	mm	kV	kV	kV	
FXBZ-±1100/420-4	±1100	420	16600±50	63910	1150	4500	2200	3、5
FXBZ-±1100/550-1	±1100	550	12300±50	47355	1150	4500	2200	3、5
FXBZ-±1100/550-2	±1100	550	13900±50	53515	1150	4500	2200	3、5
FXBZ-±1100/550-3	±1100	550	15400±50	59290	1150	4500	2200	3、5
FXBZ-±1100/550-4	±1100	550	16600±50	63910	1150	4500	2200	3、5
FXBZ-±1100/1000-1	±1100	1000	12300±50	47355	1150	4500	2200	3、5
FXBZ-±1100/1000-2	±1100	1000	13900±50	53515	1150	4500	2200	3、5
FXBZ-±1100/1000-3	±1100	1000	15400±50	59290	1150	4500	2200	3、5
FXBZ-±1100/1000-4	±1100	1000	16600±50	63910	1150	4500	2200	3、5
Type	Rated voltage	Specified mechanical load	Height(H)	Creepage distance	DC wet withstand voltage	Dry lightning impulse withstand voltage	Switching impulse withstand voltage	Figure No.

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It can formulate according to requirements of customer. The main technical parameters of various products in order to drawings.

1.2 线路柱式复合绝缘子  
Composite Line Post Insulators For Overhead Lines

1.2.1 线路柱式复合绝缘子  
Composite Line Post Insulators For Overhead Lines

线路柱式复合绝缘子型号说明  
Type description of composite Line Post Insulators For Overhead Lines



产品型号	额定电压	额定机械弯曲负荷	结构高度(H)	爬电距离	工频湿耐受电压	干雷电冲击耐受电压	图号
	kV	kN	mm	mm	kV	kV	
FZS-10/5	10	5	215	290	28	75	1
FZS-35/5	35	5	620	1200	100	265	2
FZS-35/8	35	8	620	1200	100	265	2
FZS-66/5	66	5	830	1800	185	410	3
FZS-66/8	66	8	830	1800	185	410	3
FZS-110/5	110	5	1270	2900	230	550	4
FZS-110/10	110	10	1270	2900	230	550	4
FPQ-10/3	10	3	285	450	40	110	1
FPQ-10/5	10	5	285	450	40	110	1
QLP-33/12.5	33	12.5	600	1100	110	210	5
QLP-66/3.8	66	3.8	980	2225	185	380	5
Type	Rated voltage	Specified cantilever load	Height(H)	Creepage distance	Wet power-frequency withstand voltage	Dry lightning impulse withstand voltage	Figure No.

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Note: Technical parameters are listed in table for selection, which only reference to design and selection.  
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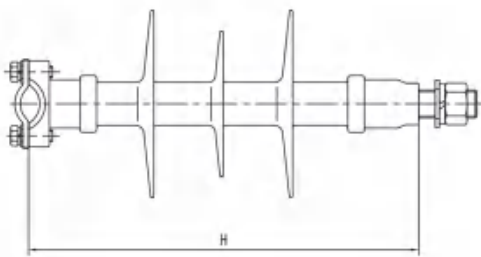


图1 Fig1

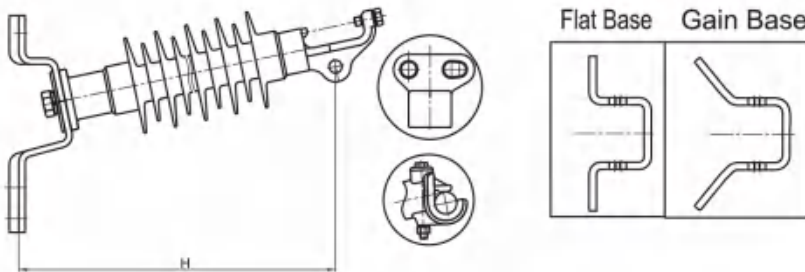


图3 Fig3

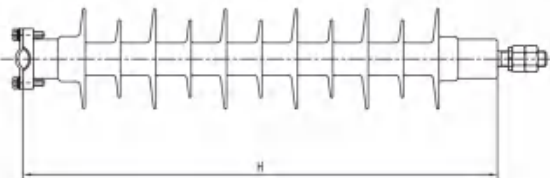


图2 Fig2

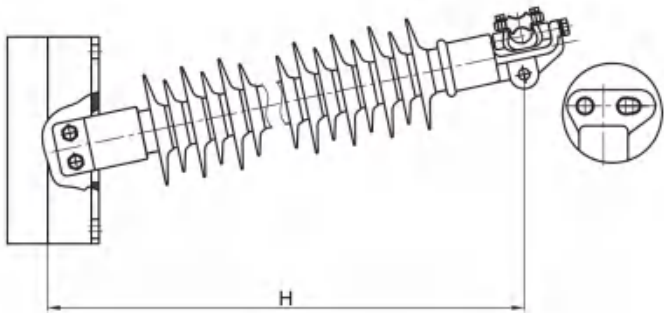


图4 Fig4

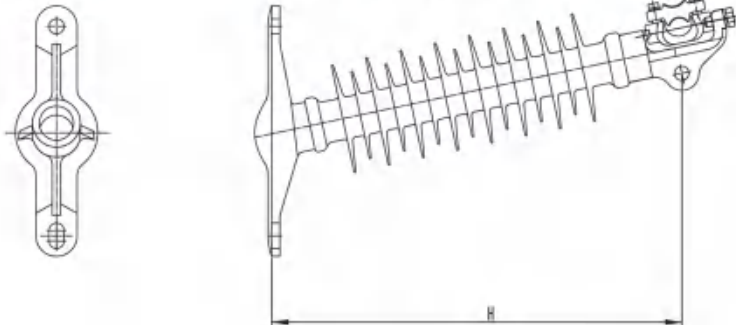


图5 Fig5



# 复合绝缘子

## Composite Insulator

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### 1.2 线路柱式复合绝缘子

#### Composite Line Post Insulators For Overhead Lines

#### 1.2.2 复合横担绝缘子

##### Composite Cross-Arm Insulator For Overhead Lines

复合横担绝缘子型号说明

Type description of composite Cross-Arm Insulator For Overhead Lines



产品型号	额定机械 弯曲负荷	额定机械 拉伸负荷	结构 高度 (H)	爬电距离	工频湿 耐受电压	干雷电冲击 耐受电压	图号
	kN	kN	mm	mm	kV	kV	
FS-35/5	5	70	620	1200	100	265	1
FS-35/8	8	70	620	1200	100	265	1
FS-66/5	5	70	830	1800	185	410	1
FS-66/8	8	70	830	1800	185	410	1
FS-110/5	5	70	1270	2900	230	550	2
FS-110/10	10	70	1270	2900	230	550	3
FS-220/10	10	70	2470	7040	395	1000	3
Type	Specified cantilever load	Specified tensile load	Height(H)	Creepage distance	Wet power- frequency withstand voltage	Wet power- frequency withstand voltage	Figure No.

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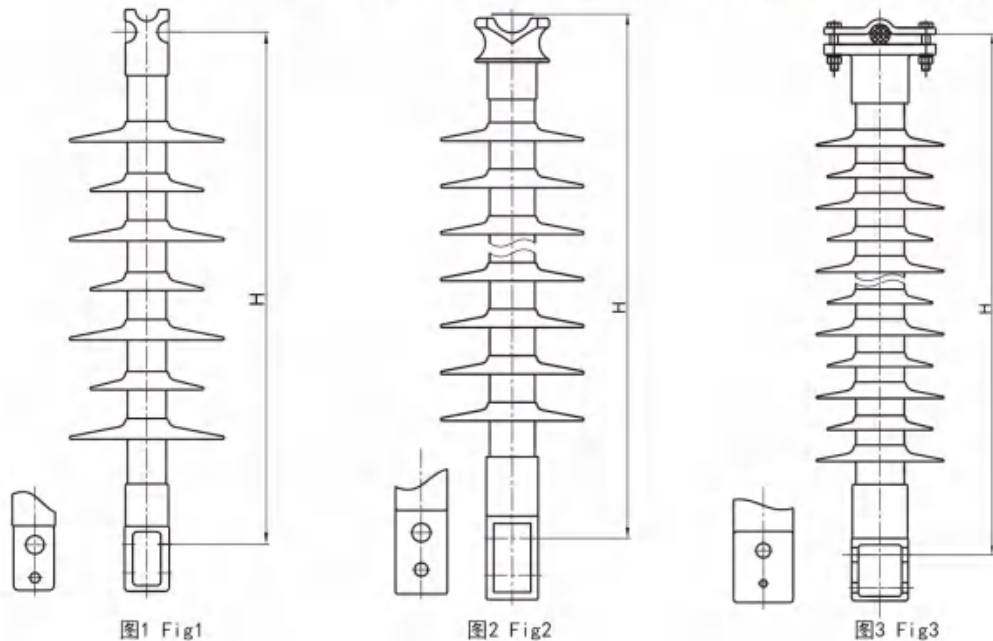


图1 Fig1

图2 Fig2

图3 Fig3

### 1.2 线路柱式复合绝缘子

#### Composite Line Post Insulators For Overhead Lines

#### 1.2.3 防风偏复合绝缘子

##### Composite Anti Windage Yaw Insulators For Overhead Lines

防风偏复合绝缘子型号说明

Type description of Composite Anti Windage Yaw Insulators For Overhead Lines



产品型号	额定机械 弯曲负荷	额定机械 拉伸负荷	结构 高度 (H)	爬电距离	工频湿 耐受电压	干雷电冲击 耐受电压	图号
	kN	kN	mm	mm	kV	kV	
FSP-35/0.4	0.4	70	670	810	95	230	1/2
FSP-66/0.4	0.4	70	870	1650	185	410	1/2
FSP-66/0.8	0.8	70	870	1650	185	410	1/2
FSP-110/0.4	0.4	70	1340	3150	250	550	1/2
FSP-110/0.8	0.8	70	1340	3150	250	550	1/2
FSP-220/0.8	0.8	70	2350	6340	395	1000	1/2
FSP-330/0.8	0.8	70	3150	9240	570	1425	1/2
Type	Specified cantilever load	Specified tensile load	Height(H)	Creepage distance	Wet power- frequency withstand voltage	Wet power- frequency withstand voltage	Figure No.

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
Note: Technical parameters are listed in table for selection, which only reference to design and selection.  
It can formulate according to requirements of customer. The main technical parameters of various products in order to drawings.

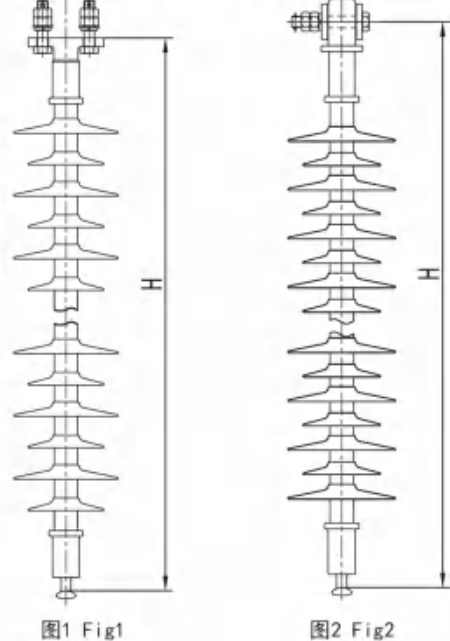


图1 Fig1

图2 Fig2

复合绝缘子
Composite Insulator

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1.3 交流复合相间间隔棒

Polymer phase to phase spacer for AC transmission lines

交流复合相间间隔棒型号说明
Type description of polymer phase to phase spacer for a.c.

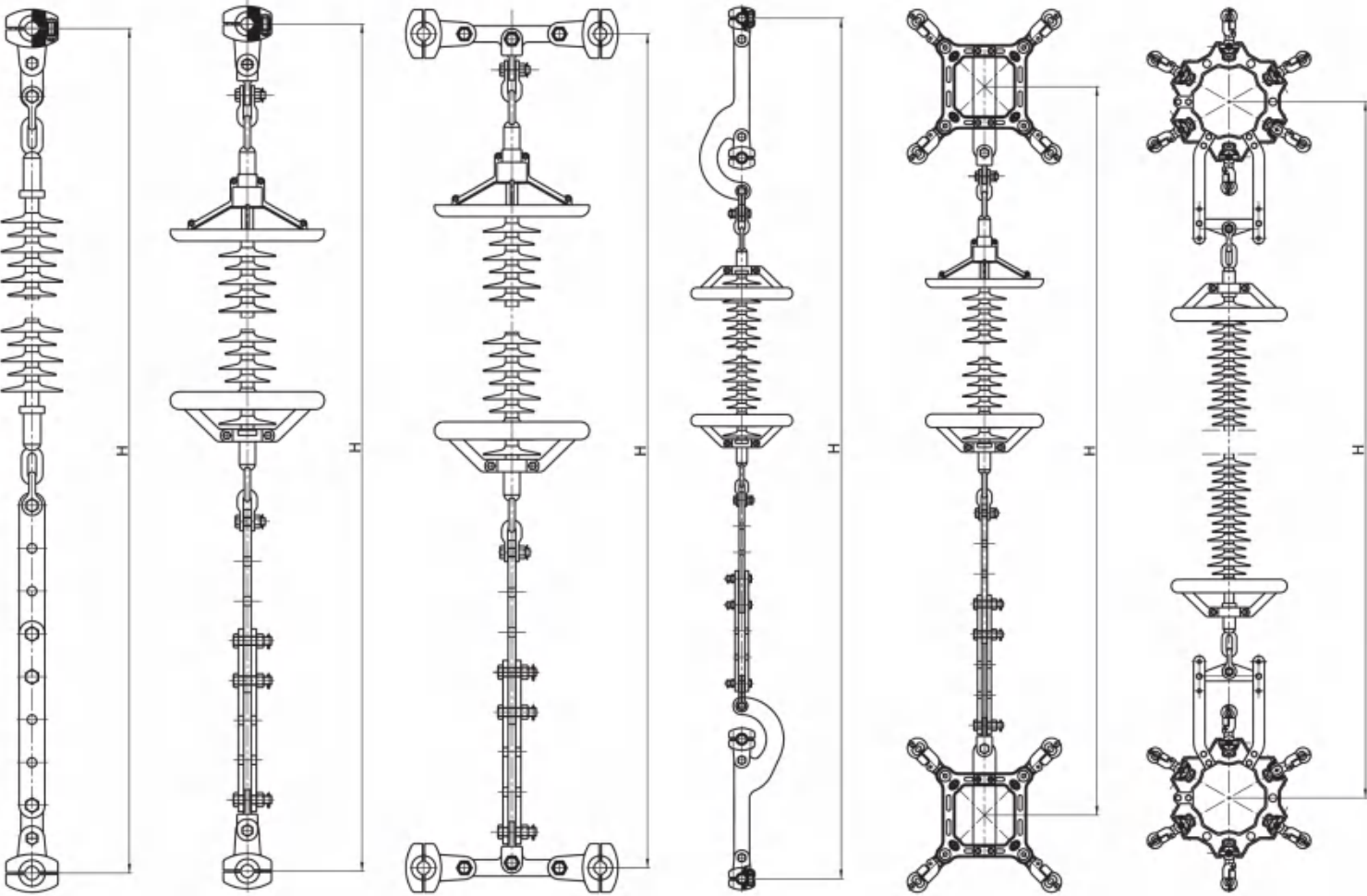
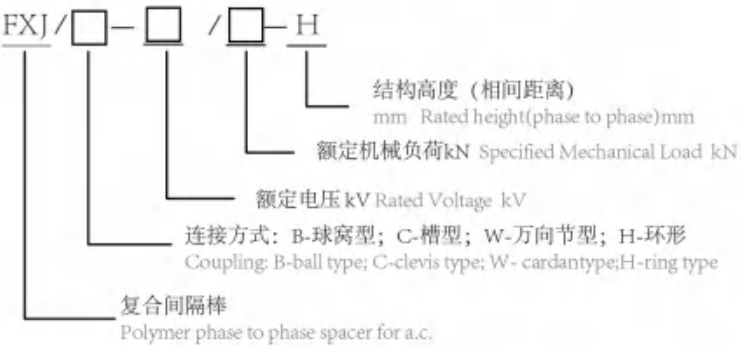


图1 Fig1 图2 Fig2 图3 Fig3 图4 Fig4 图5 Fig5 图6 Fig6

产品型号	额定电压	规定机械负荷	爬电距离	湿工频耐受电压	干雷电冲击耐受电压	操作冲击耐受电压
	kV	kN	mm	kV	kV	kV
FXJB/35/70 FXJC/35/70 FXJW/35/70	35	70	1900	140	325	---
FXJB/66/70 FXJC/66/70 FXJW/66/70	66	70	3300	230	450	---
FXJB/110/70 FXJC/110/70 FXJW/110/70	110	70	5500	325	650	---
FXJB/220/100 FXJC/220/100 FXJW/220/100	220	100	11000	570	1175	---
FXJB/330/100 FXJC/330/100 FXJW/330/100	330	100	15000	740	1675	1300
FXJB/500/100 FXJC/500/100 FXJW/500/100 FXJH/500/100	500	100	23000	1100	2550	1675
Type	Rated voltage	Specified mechanical load	Creepage distance	Wet power-frequency withstand voltage	Dry lightning impulse withstand voltage	Switching impulse withstand voltage

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
Note: Technical parameters are listed in table for selection, which only reference to design and selection.  
It can formulate according to requirements of customer. The main technical parameters of various products in order to drawings.



# 复合绝缘子

## Composite Insulator

### 二、电站用复合绝缘子

#### Composite insulators for Substations

#### 2.1 电站支柱复合绝缘子

##### Composite Station Post Insulators For Substations

电站支柱复合绝缘子型号说明

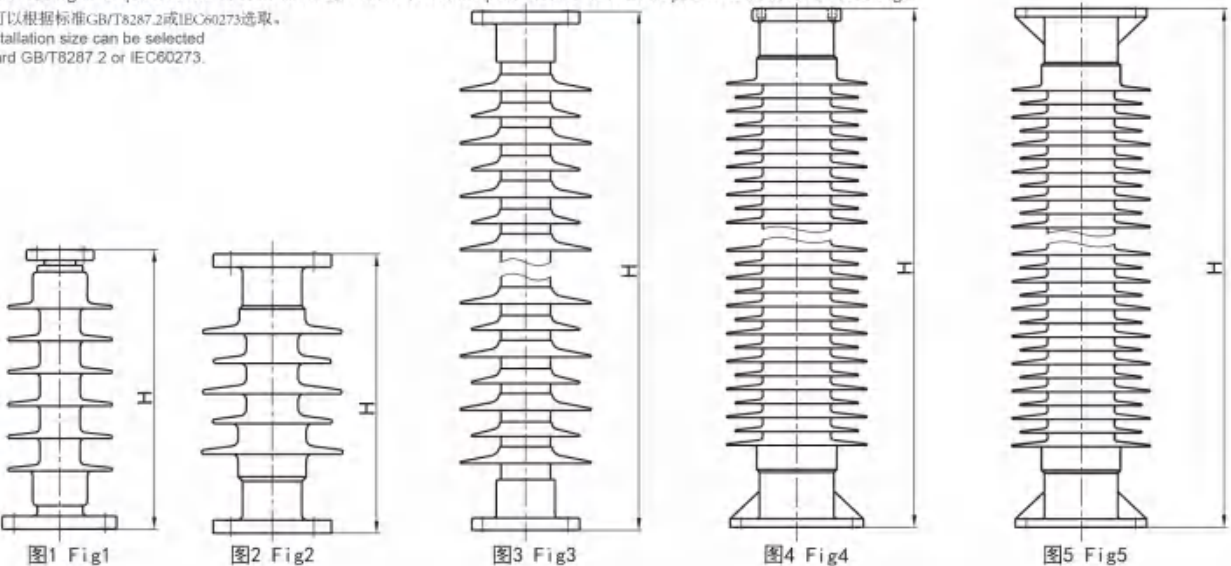
Type description of composite Station Post Insulators For Substations



产品型号	额定机械 弯曲负荷	额定机械 扭转负荷	结构 高度 (H)	爬电距离	工频湿 耐受电压	干雷电冲击 耐受电压	操作冲击 耐受电压	图号
	kN	kN.m	mm	mm	kV	kV	kV	
CSP200E-30-1260	6	4	560	1260	80	200	—	1
CSP200E-62.5-1260	12.5	6	560	1260	80	200	—	1
CSP325E-30-2250	6	4	770	2250	140	325	—	2
CSP325E-62.5-2250	12.5	6	770	2250	140	325	—	2
CSP450E-40-3906	8	4	1150	3906	200	450	—	3
CSP950F-40-7820	8	4	2300	7820	395	950	—	4
CSP950F-62.5-7820	12.5	6	2300	7820	395	950	—	4
CSP950F-80-7820	16	6	2300	7820	395	950	—	4
CSP1175H-50-11260	10	4	3650	11260	510	1175	950	5
Type	Specified cantilever load	Specified torsion load	Height(H)	Creepage distance	Wet power- frequency withstand voltage	Dry lightning impulse withstand voltage	Switching impulse withstand voltage	Figure No.

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
Note: Technical parameters are listed in table for selection, which only reference to design and selection.  
It can formulate according to requirements of customer. The main technical parameters of various products in order to drawings.

注：法兰安装尺寸可以根据标准GB/T8287.2或IEC60273选取。  
Note: the flange installation size can be selected according to standard GB/T8287.2 or IEC60273.



#### 2.2 换流站直流场用支柱复合绝缘子

##### Composite Post Insulators For HVDC Converter Stations

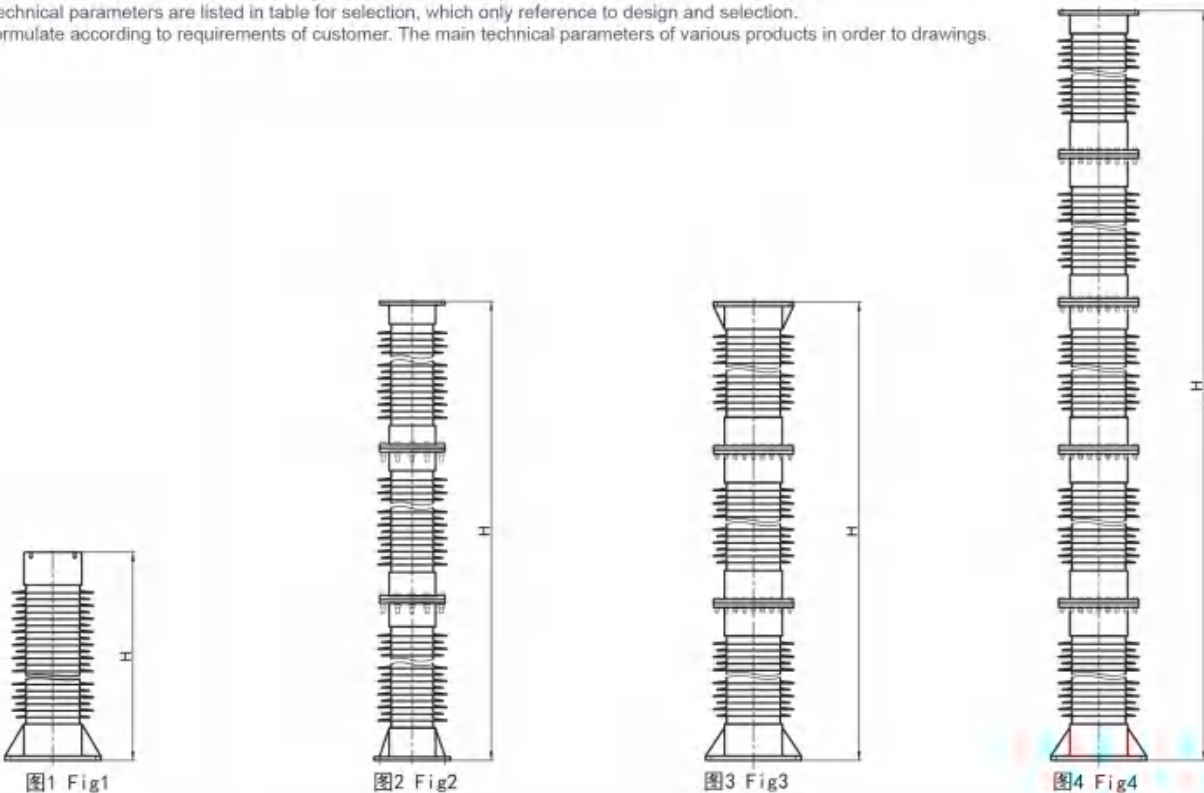
换流站直流场用支柱复合绝缘子型号说明

Type description of composite Post Insulator For HVDC Converter Stations



产品型号	额定机械 弯曲负荷	额定机械 扭转负荷	结构 高度 (H)	爬电距离	干雷电冲击 耐受电压	操作冲击 耐受电压	直流耐受 电压	图号
	kN	kN.m	mm	mm	mm	kV	kV	
FZSPW3-±120/40K-Z	40	12	2515	8300	1050	750	200	1
FZSPW-±408/16	16	10	6480	21200	1300	950	750	2
FZSPW-±550/16	16	12	8575	31700	1800	1300	—	3
FZSPW-±800/16	16	12	12270	43500	2750	1800	1236	4
FZSPW-±1100/16K-Z	16	12	13995	47500	2750	2100	1755	4
FZSW-750/30	30	12.5	7080	24000	2374	1699	—	3
Type	Specified cantilever load	Specified torsion load	Height(H)	Creepage distance	Dry lightning impulse withstand voltage	Switching impulse withstand voltage	DC withstand voltage	Figure No.

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
Note: Technical parameters are listed in table for selection, which only reference to design and selection.  
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# 复合绝缘子

## Composite Insulator

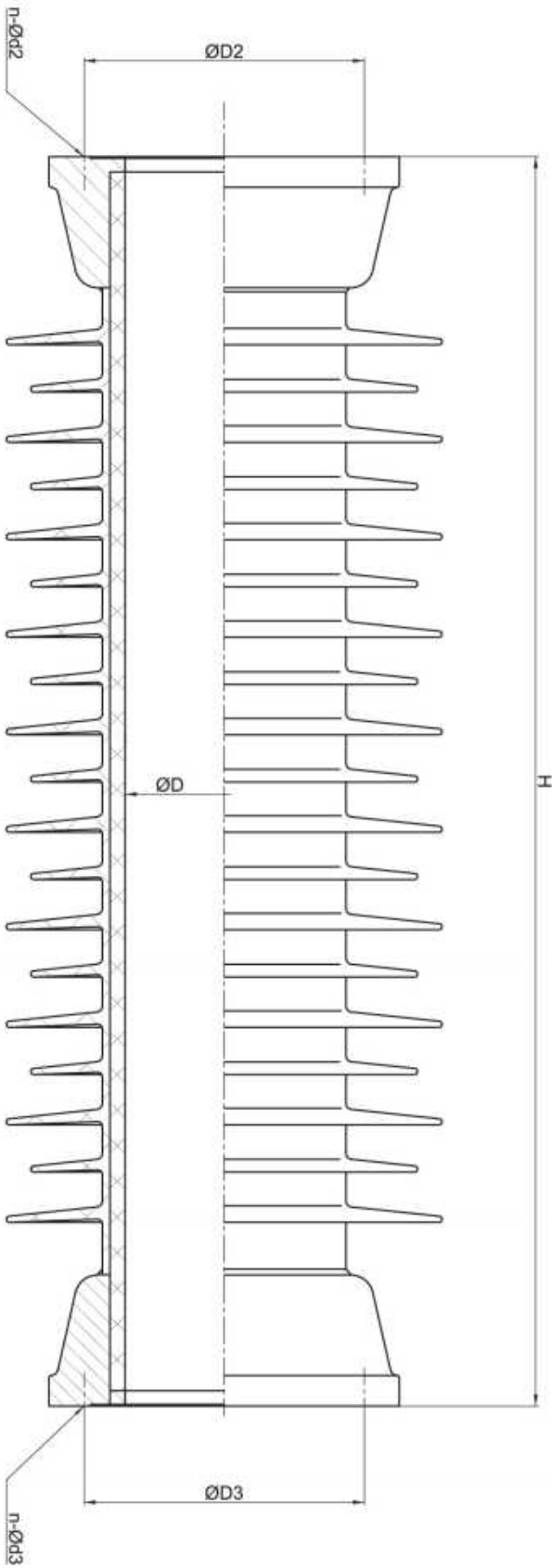
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### 2.3 空心复合绝缘子

#### Composite Hollow Insulators

额定电压	最大机械负荷	规定机械负荷	结构高度(H)	内径	上法兰安装尺寸	下法兰安装尺寸			最大运行内压	规定运行内压
kV	kN.m	kN.m	mm	mm	mm	mm	mm	mm	MPa	MPa
35	12	30	600	240	16-φ18	385	16-φ18	385	0.8	3.2
110	5	12.5	1400	154	16-φ12	250	16-φ12	250	1	4
	5.2	13	1306	215	12-φ13	396	12-φ13	396	1.4	5.5
	6	15	1360	240	16-φ18	385	16-φ18	385	0.7	2.6
	6	15	1200	240	16-φ18	385	16-φ18	385	0.7	2.6
145	5	12.5	1500	198	16-φ12	360	16-φ12	360	1	4
170	5	12.5	1732	198	16-φ12	360	16-φ12	360	0.8	3.2
220	16	40	2500	375	16-φ18	560	16-φ18	560	0.8	4
	16	40	2336	375	16-φ18	560	16-φ18	560	0.8	4
500	36	72	4600	600	16-φ22	740	16-φ22	740	1	4
Rated voltage	Max. mechanical Load (MML)	Specified mechanical Load (SML)	Height(H)	Inner diameter φD	Top flange size n-φd2	Bottom flange size φD2-n-φd3-φD3			Max. service internal pressure (MSP)	Specified service internal pressure (SIP)

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
Note: Technical parameters are listed in table for selection, which only reference to design and selection.  
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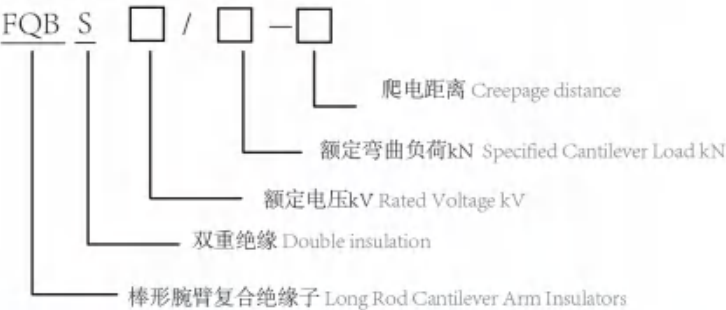
复合绝缘子
Composite Insulator

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三、电气化铁路接触网用棒形复合绝缘子
Composite insulators for Overhead contact system of electrified railways

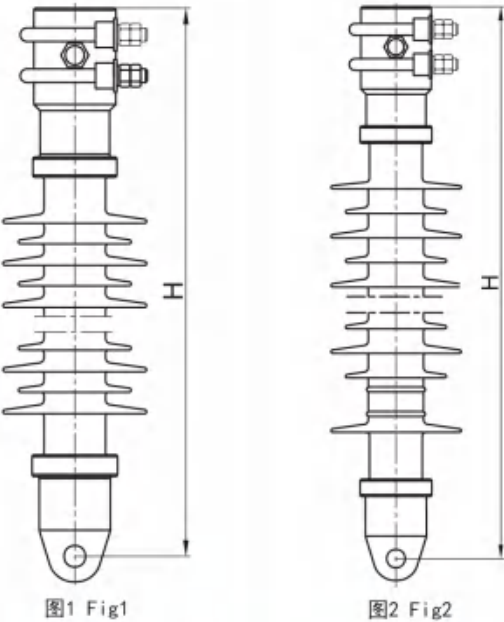
3.1 27.5kV棒形腕臂复合绝缘子
27.5kV Long Rod Cantilever Arm Insulators

27.5kV棒形腕臂复合绝缘子型号说明
Type description of 27.5kV Long Rod Cantilever Arm Insulators



产品型号	额定电压	额定机械 弯曲负荷	结构 高度 (H)	爬电距离	干雷电冲击 耐受电压	工频耐受电压		图号
						干	湿	
	kV	kN	mm	mm	kV	kV		
FQB27. 5/12-1200	25	12	760	1200	270	160	130	1
FQB27. 5/12-1400	25	12	800	1400	290	175	140	1
FQB27. 5/12-1600	25	12	800	1600	310	190	150	1
FQBS27. 5/12-1200	25	12	850	1200/ 145	270	160	130	2
FQBS27. 5/12-1400	25	12	890	1400/ 145	290	175	140	2
FQBS27. 5/12-1600	25	12	890	1600/ 145	310	190	150	2
FQB27. 5/16-1200	25	16	760	1200	270	160	130	1
Type	Rated voltage	Specified cantilever load	Height(H)	Creepage distance	Dry lightning impulse withstand voltage	Power-frequency withstand voltage		Figure No.
						Dry	Wet	

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
Note: Technical parameters are listed in table for selection, which only reference to design and selection.  
It can formulate according to requirements of customer. The main technical parameters of various products in order to drawings.



产品型号	额定电压	额定机械 弯曲负荷	结构 高度 (H)	爬电距离	干雷电冲击 耐受电压	工频耐受电压		图号
						干	湿	
	kV	kN	mm	mm	kV	kV		
FQB27. 5/16-1400	25	16	800	1400	290	175	140	1
FQB27. 5/16-1600	25	16	800	1600	310	190	150	1
FQBS27. 5/16-1200	25	16	850	1200/ 145	270	160	130	2
FQBS27. 5/16-1400	25	16	890	1400/ 145	290	175	140	2
FQBS27. 5/16-1600	25	16	890	1600/ 145	310	190	150	2
Type	Rated voltage	Specified cantilever load	Height(H)	Creepage distance	Dry lightning impulse withstand voltage	Power-frequency withstand voltage		Figure No.
						Dry	Wet	

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
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3.2 27.5kV棒形悬式复合绝缘子  
27.5kV Long Rod Suspension Insulators

棒形悬式复合绝缘子型号说明  
Type description of long rod suspension insulators



产品型号	额定电压	额定机械 破坏负荷	结构 高度 (H)	爬电距离	干雷电冲击 耐受电压	工频耐受电压		图号
						干	湿	
	kV	kN	mm	mm	kV	kV		
FQX27.5/120-1200	27.5	120	700~750	1200	270	160	130	3
FQX27.5/160-1200	27.5	160	700~750	1200	270	160	130	3
FQX27.5/120-1400	27.5	120	750~800	1400	290	175	140	3
FQX27.5/160-1400	27.5	160	750~800	1400	290	175	140	3
FQX27.5/120-1600	27.5	120	800~850	1600	310	190	150	3
FQX27.5/160-1600	27.5	160	800~850	1600	310	190	150	3
FQXS27.5/120-1200	27.5	120	790~840	1200/145	270	160	130	4
FQXS27.5/160-1200	27.5	160	790~840	1200/145	270	160	130	4
FQXS27.5/120-1400	27.5	120	840~890	1400/145	290	175	140	4
FQXS27.5/160-1400	27.5	120	840~890	1400/145	290	175	140	4
FQXS27.5/120-1600	27.5	120	890~940	1600/145	310	190	150	4
FQXS27.5/160-1600	27.5	160	890~940	1600/145	310	190	150	4
Type	Rated voltage	Specified mechanical load	Height(H)	Creepage distance	Dry lightning impulse withstand voltage	Power-frequency withstand voltage		Figure No.
						Dry	Wet	

注：选型参数表所列参数仅供设计或选用参考，可随用户的要求制定，各种产品的主要技术参数以图纸为准。  
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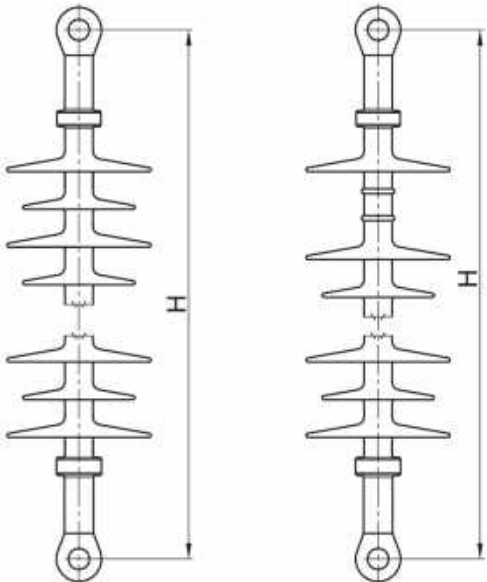


图3 Fig3

图4 Fig4



*Working Together for a Shared Future*  
**携手前进 共创未来**





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