

Composite post insulator

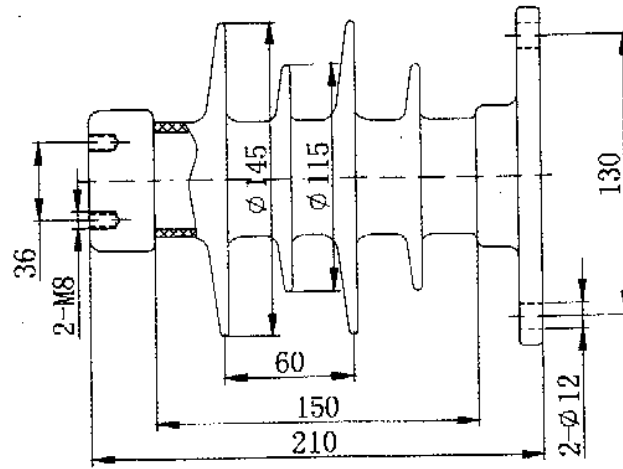


Fig.31 12kv composite post insulator

General dimension and characteristic of 12kv composite post insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical Bending load KN	Section height H, mm	Minimum arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Minimum nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	31	FZ-12/6	12	6	210 $\pm$ 5	150	145	115	60	390	95	40	3.7

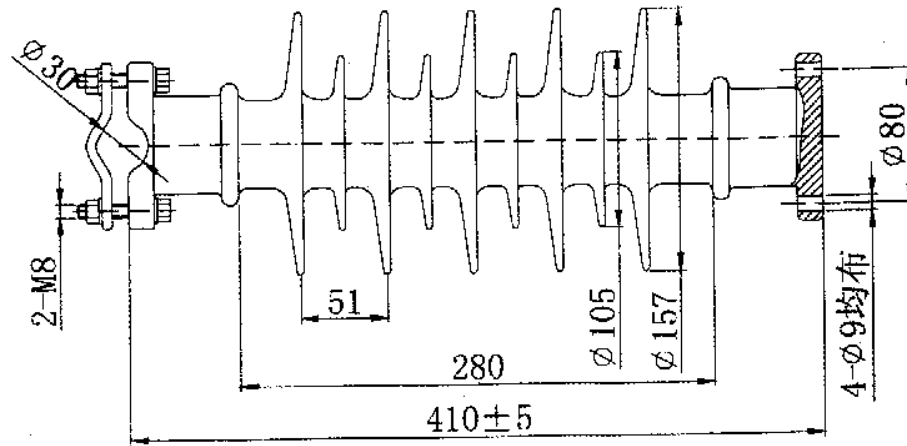


Fig.32 24kv composite post insulator

General dimension and characteristic of 24kv composite post insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical Bending load KN	Section height H, mm	Minimum arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Minimum nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	32	FZ-24/8	24	8	410 $\pm$ 5	280	157	105	51	900	150	80	4.2

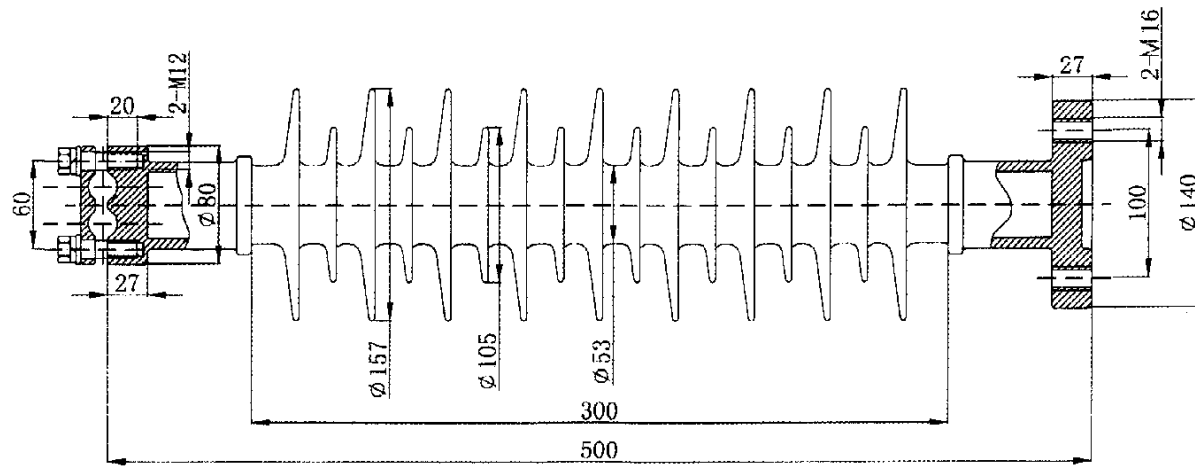


Fig.33 40.5kv composite post insulator

General dimension and characteristic of 40.5kv composite post insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical Bending load KN	Section height H, mm	Minimum arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Minimum nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	33	FZ-40.5/4	40.5	4	500±5	300	157	105	51	1100	185	80	6.0

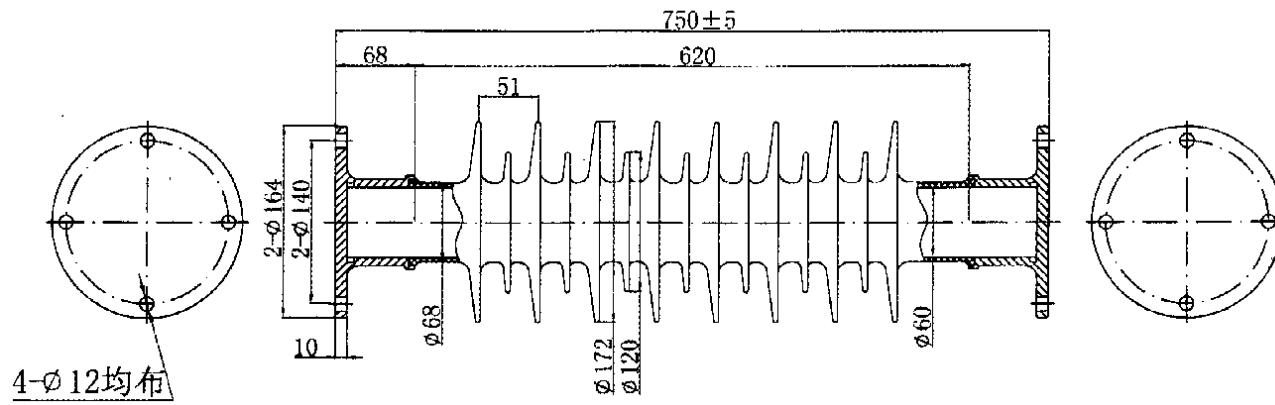


Fig.34 72.5kv composite post insulator

General dimension and characteristic of 72.5kv composite post insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical Bending load KN	Section height H, mm	Minimum arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Minimum nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	34	FZ-72.5/8	72.5	8	750±5	620	172	120	51	1300	400	130	10.2

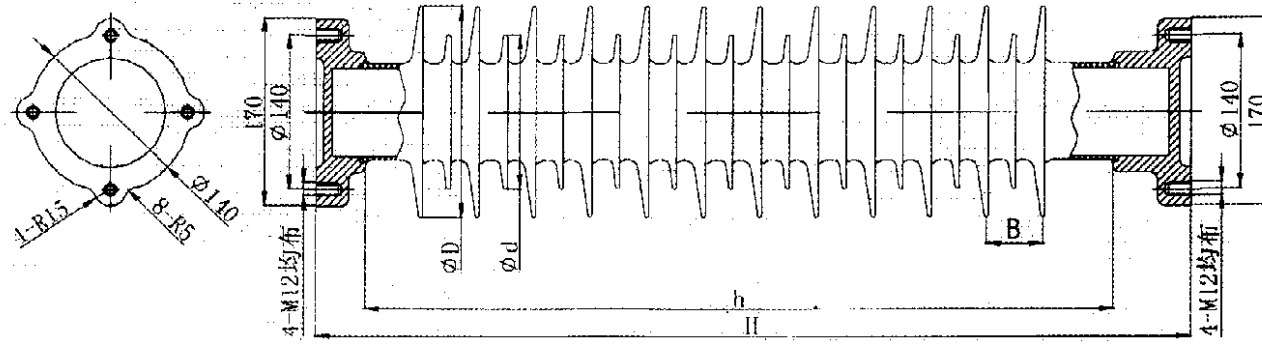


Fig.35 126kv composite post insulator

General dimension and characteristic of 126kv composite post insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical Bending load KN	Section height H, mm	Minimum arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Minimum nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	35	FZ-126/10	126	10	1300±5	1100	192	140	51	3100	550	185	16

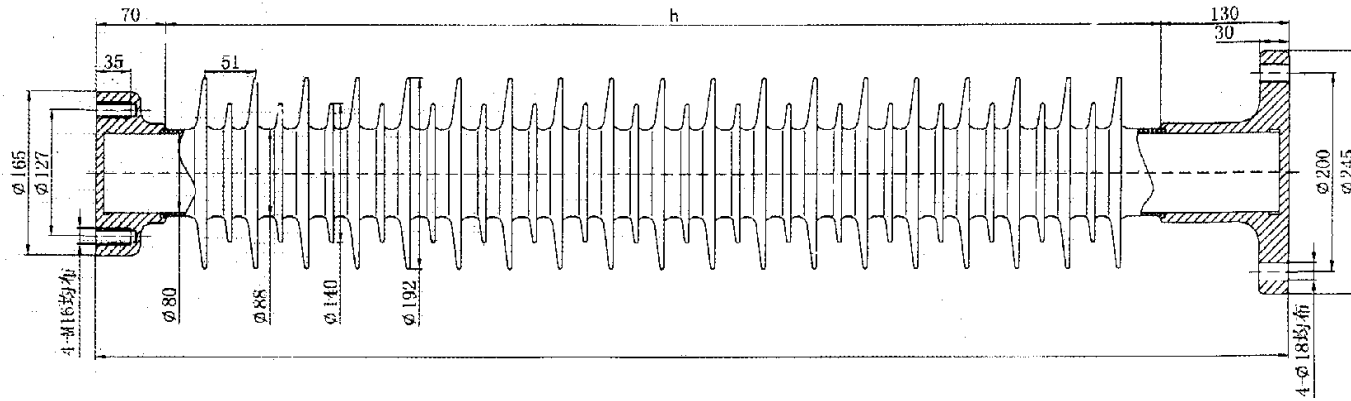


Fig.36 252kv composite post insulator

General dimension and characteristic of 252kv composite post insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical Bending load KN	Section height H, mm	Minimum arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Minimum nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	36	FZ-252/2	252	2	2300±5	2100	192	140	51	6300	1050	395	38

Composite insulators for electrical railway

Cantilever composite insulator

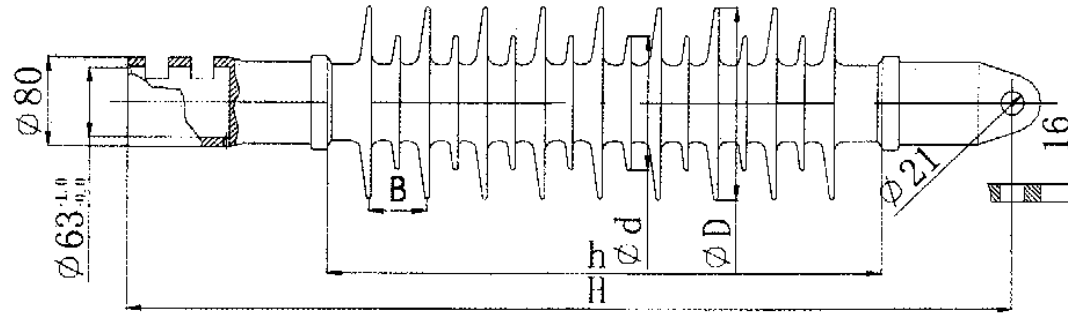


Fig.37 Cantilever composite insulator (tongue)

General dimension and characteristics of 25kv cantilever composite insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage >	Stem power frequency voltage ≥	Wet power frequency voltage ≥	Weight kg
1	37	FQB-25/4-JH	25	4	760±5	468	157	105	51	1600	300	180	150	7.2
2	37	FQB-25/8-JH	25	8	760±5	468	172	120	51	1600	300	180	150	11.5
3	37	FQB-25/12-JH	25	12	760±5	468	192	140	51	1600	300	180	150	15

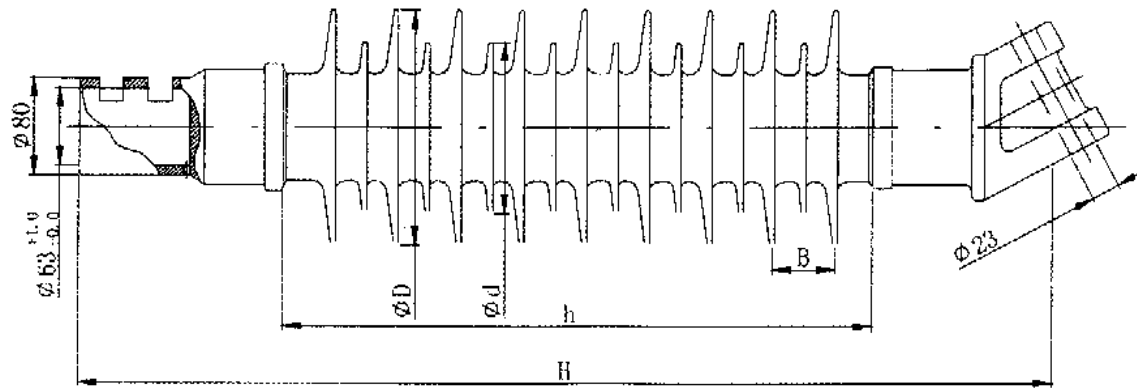


Fig.38 Cantilever composite insulator (oblique clevis)

General dimension and characteristics of 25kv cantilever composite insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage >	Stem power frequency voltage ≥	Wet power frequency voltage ≥	Weight kg
1	38	FQB-25/4-JX	25	4	760±5	468	157	105	51	1600	300	180	150	8.2
2	38	FQB-25/8-JX	25	8	760±5	468	172	120	51	1600	300	180	150	12.5
3	38	FQB-25/12-JX	25	12	760±5	468	192	140	51	1600	300	180	150	16.5

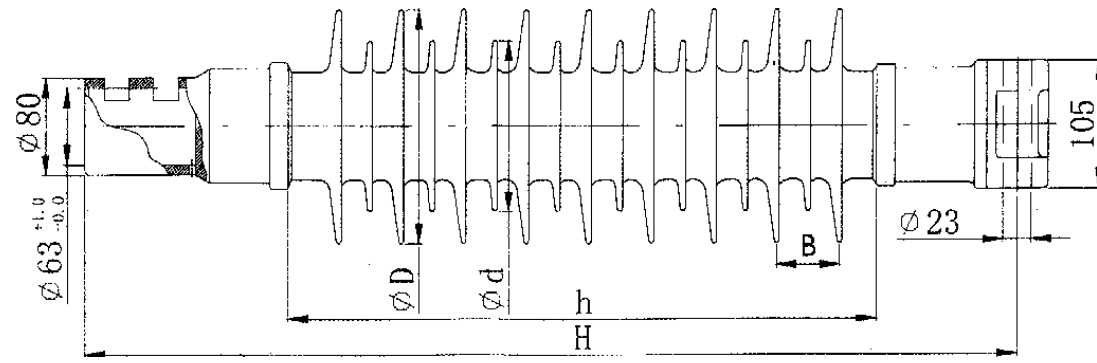


Fig.39 Cantilever composite insulator (straight clevis)

General dimension and characteristics of 25kv cantilever composite insulator (straight clevis)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage >	Stem power frequency voltage ≥	Wet power frequency voltage ≥	Weight kg
1	39	FQB-25/4-JZ	25	4	760±5	468	157	105	51	1600	300	180	150	8.2
2	39	FQB-25/8-JZ	25	8	760±5	468	172	120	51	1600	300	180	150	12.5
3	39	FQB-25/12-JZ	25	12	760±5	468	192	140	51	1600	300	180	150	16.5

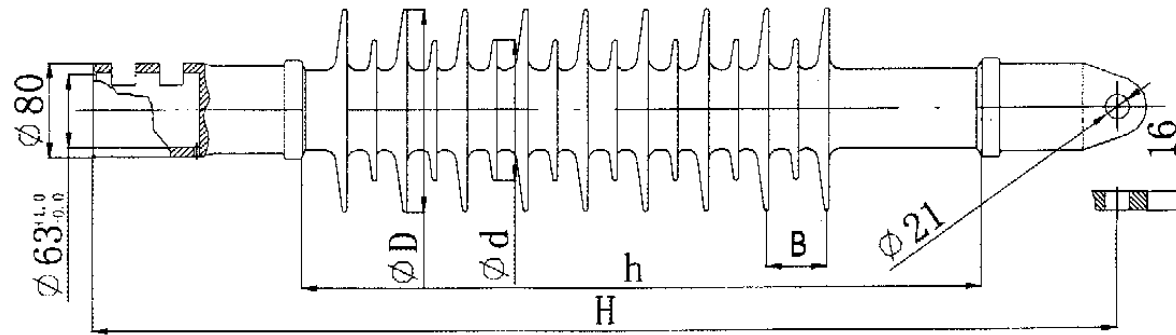


Fig.40 Double insulation cantilever composite insulator

General dimension and characteristics of 25kv double insulation cantilever composite insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage >	Stem power frequency voltage ≥	Wet power frequency voltage ≥	Weight kg
1	40	FQBS-25/4-JH	25	4	850±5	558	157	105	51	1600	360	210	180	8.9
2	40	FQBS-25/8-JH	25	8	850±5	558	172	120	51	1600	360	210	180	13.3
3	40	FQBS-25/12-JH	25	12	850±5	558	192	140	51	1600	360	210	180	17.2

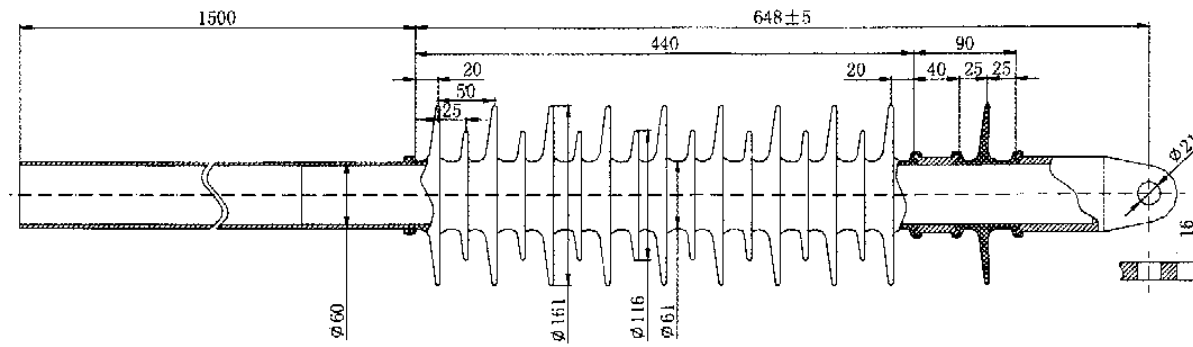


Fig.41 Double insulation cantilever composite insulator (new)

General dimension and characteristics of 25kv double insulation cantilever composite insulator (new)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage >	Stem power frequency voltage ≥	Wet power frequency voltage ≥	Weight kg
1	41	FQBS-25/8-YH	25	8	648±5	440+50	161	116	50	1600	300	180	150	9.3

**Catenary composite insulator**

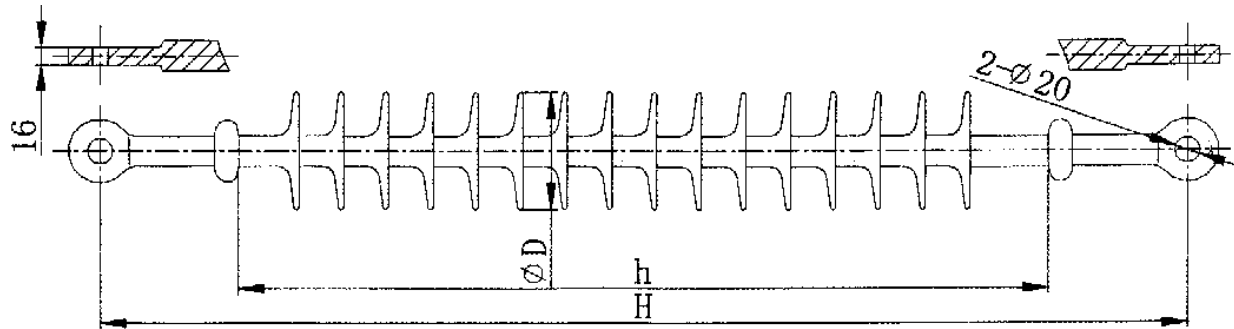


Fig.42 Catenary composite insulator (1)

General dimension and characteristics of 25kv catenary composite insulator (1)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage >	Stem power frequency voltage ≥	Wet power frequency voltage ≥	Weight kg
1	42	FQX-25/120-HH-1	25	120	830±5	600	88	35	51	1200	360	210	180	2.7
2	42	FQX-25/120-HH-2	25	120	880±5	650	88	35	51	1500	420	250	220	3.2
3	42	FQX-25/120-HH-3	25	120	950±5	720	88	35	51	1600	450	280	250	3.7

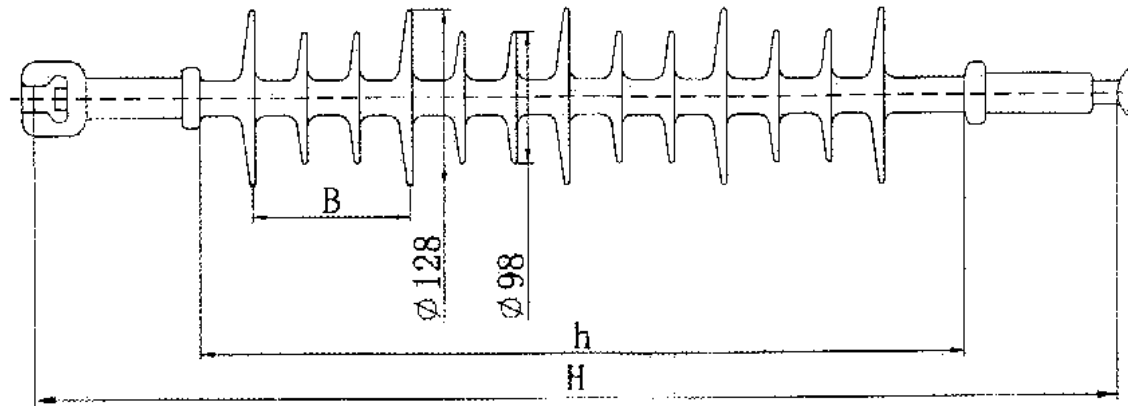


Fig.43 Catenary composite insulator (2)

General dimension and characteristics of 25kv catenary composite insulator (2)

No.	Fig.	Type	Rated voltage KV	Specified mechanical load KN	Section height H, mm	Min arcing distance h, mm	Shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	43	FQX-25/120-HT-1	25	120	750±5	525	88	35	1200	330	200	170	2.5
2	43	FQX-25/120-HT-2	25	120	785±5	560	88	35	1300	360	210	180	3.0
3	43	FQX-25/120-HT-3	25	120	925±5	600	88	35	1600	390	230	190	3.5

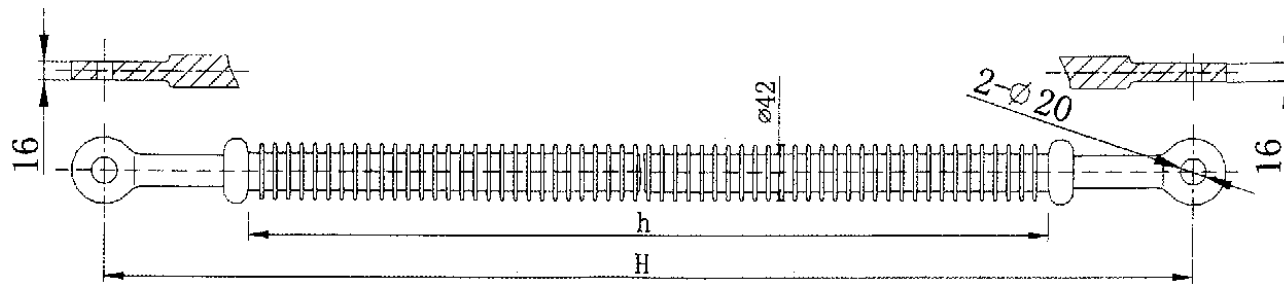


Fig.44 Catenary composite insulator (3)

General dimension and characteristics of 25kv catenary composite insulator (3)

No.	Fig.	Type	Rated voltage KV	Specified mechanical load KN	Section height H, mm	Min arcing distance h, mm	Shed diameter D, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $>$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	44	FQX-25/70-HH-1	25	70	730±5	490	42	1200	330	195	165	2.7
2	44	FQX-25/70-HH-2	25	70	910±5	670	42	1600	420	250	220	3.2

Composite insulators for traction transformer substation

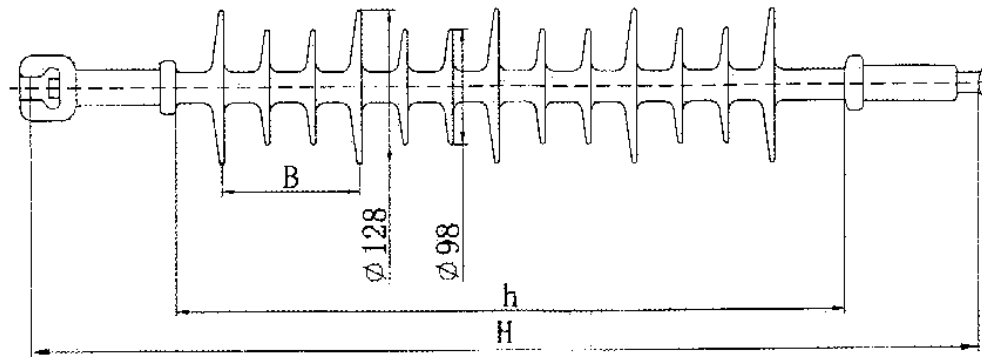


Fig.45 Composite insulator for traction transformer substation

General dimension and characteristics of 25kv composite insulator for traction transformer substation

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	45	FQXW-25/70-QT-1	25	120	620±5	450	128	98	117	1200	300	180	150	2.8
2	45	FQXW-25/70-QT-2	25	120	740±5	570	128	98	117	1600	360	210	180	3.2

Orientating composite insulator for railway tunnel

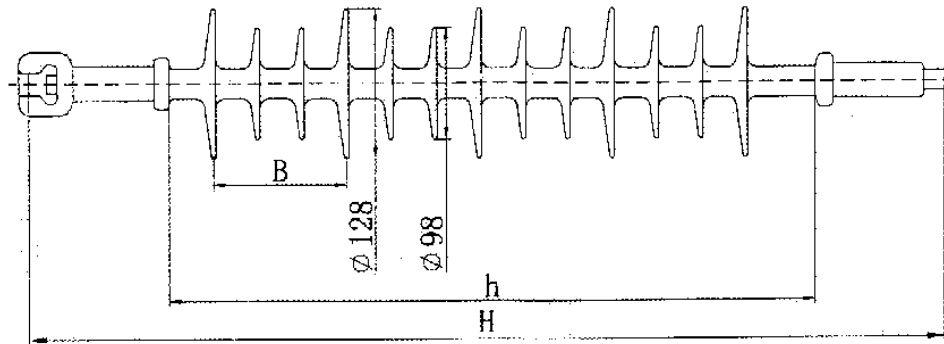


Fig.46 Orientating composite insulator for railway tunnel(1)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel(1)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	46	FQD-25/20-BY-A1	25	20	755±5	490	88	35	1200	330	195	165	2.7
2	46	FQD-25/20-BY-A2	25	20	825±5	560	88	35	1350	360	210	180	3.2
3	46	FQD-25/20-BY-A3	25	20	930±5	665	88	35	1600	420	250	220	3.7



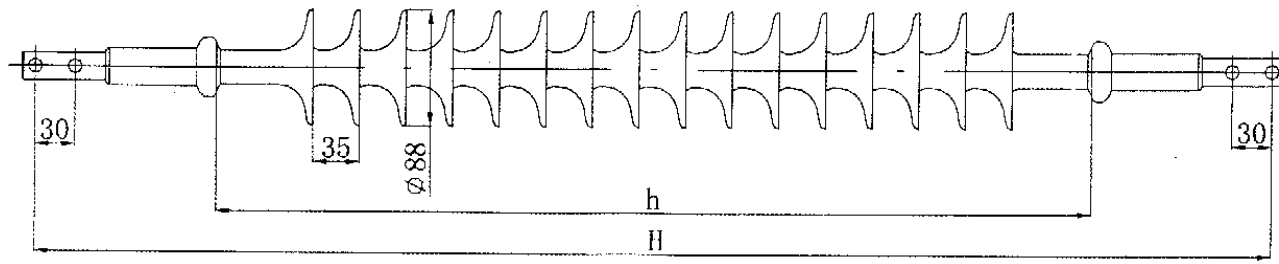


Fig.47 Orientating composite insulator for railway tunnel(2)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel(2)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	47	FQD-25/20-KK-1	25	20	825±5	550	88	35	1200	360	210	180	2.6
2	47	FQD-25/20-KK-2	25	20	930±5	655	88	35	1500	420	250	220	3.1
3	47	FQD-25/20-KK-3	25	20	965±5	690	88	35	1600	450	280	250	3.6

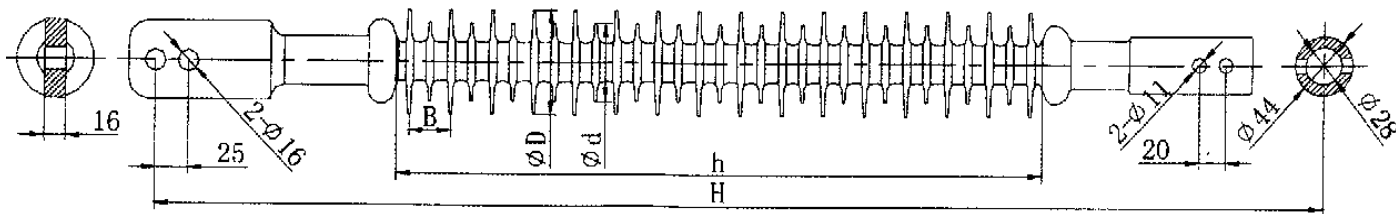


Fig.48 Orientating composite insulator for railway tunnel(3)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel (3)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	48	FQD-25/20-BY-B1	25	20	635±5	420	76	58	31	1200	270	160	130	1.6
2	48	FQD-25/20-BY-B2	25	20	665±5	450	76	58	31	1350	300	180	150	2.1
3	48	FQD-25/20-BY-B3	25	20	755±5	540	76	58	31	1600	360	210	180	2.6

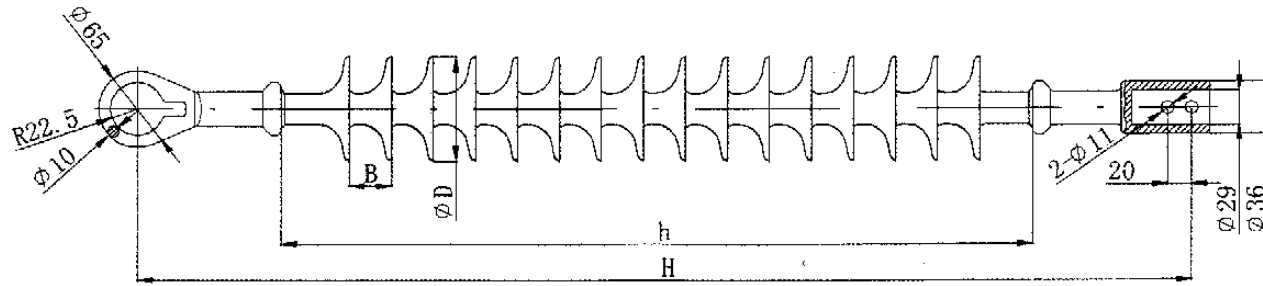


Fig.49 Orientating composite insulator for railway tunnel(4)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel (4)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	49	FQD-25/20-EY-A1	25	20	740 $\pm$ 5	490	88	35	1200	330	195	165	2.2
2	49	FQD-25/20-EY-A2	25	20	810 $\pm$ 5	560	88	35	1350	360	210	180	3.0
3	49	FQD-25/20-EY-A3	25	20	915 $\pm$ 5	665	88	35	1600	420	250	220	3.5

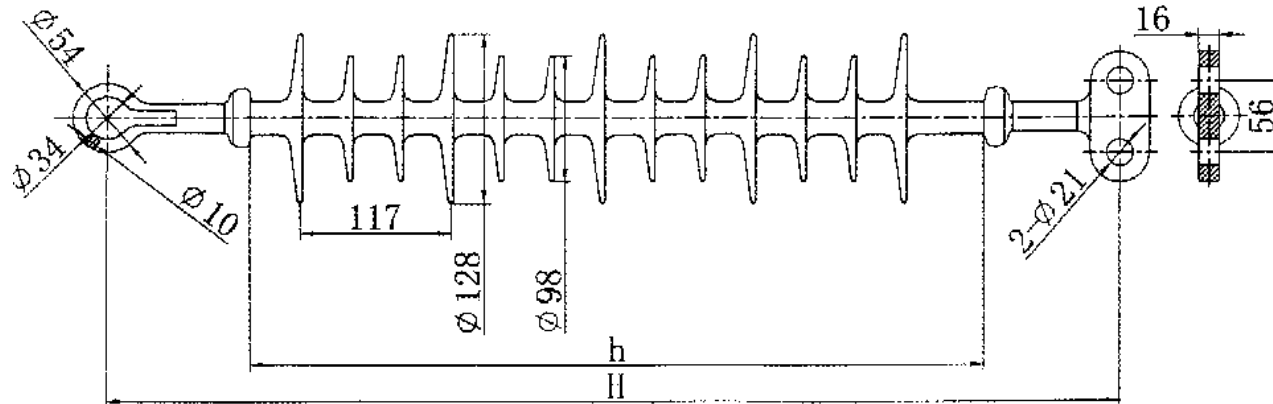


Fig.50 Orientating composite insulator for railway tunnel (5)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel (5)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	50	FQD-25/20-EB-1	25	20	685 $\pm$ 5	465	128	98	117	1200	300	180	150	2.5
2	50	FQD-25/20-EB-2	25	20	785 $\pm$ 5	560	128	98	117	1480	360	210	180	3.0
3	50	FQD-25/20-EB-3	25	20	800 $\pm$ 5	580	128	98	117	1600	360	210	180	3.5

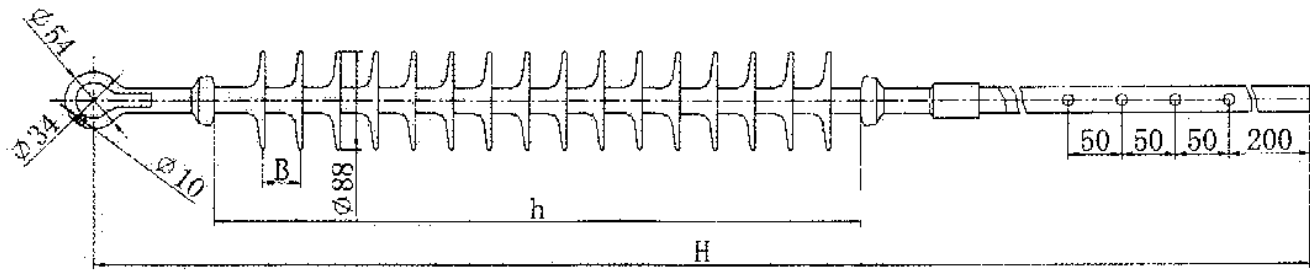


Fig.51 Orientating composite insulator for railway tunnel(6)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel (6)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	51	FQD-25/20-EY-B1	25	20	1300 $\pm$ 5	520	88	35	1200	330	200	170	4.0
2	51	FQD-25/20-EY-B2	25	20	1340 $\pm$ 5	560	88	35	1300	360	210	180	4.5
3	51	FQD-25/20-EY-B3	25	20	1480 $\pm$ 5	600	88	35	1600	390	230	190	5.0

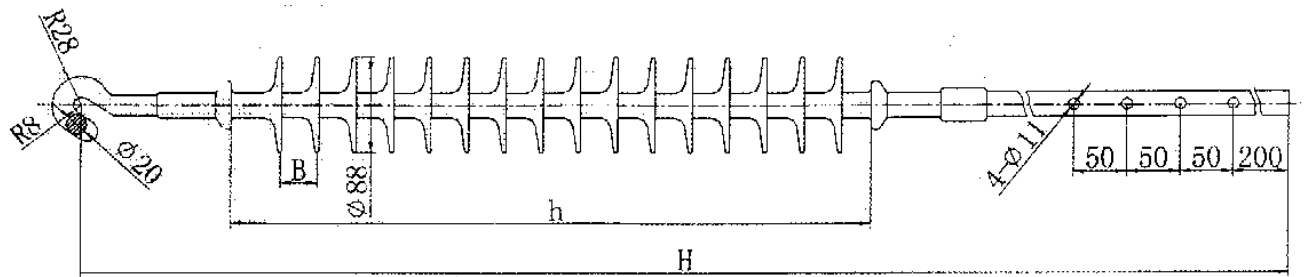


Fig.52 Orientating composite insulator for railway tunnel (7)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel (7)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	52	FQD-25/20-CY-1	25	20	1310 $\pm$ 5	530	88	35	1200	300	200	170	2.5
2	52	FQD-25/20-CY-2	25	20	1380 $\pm$ 5	600	88	35	1400	390	230	190	3.0
3	52	FQD-25/20-CY-3	25	20	1450 $\pm$ 5	670	88	35	1600	420	250	220	3.5

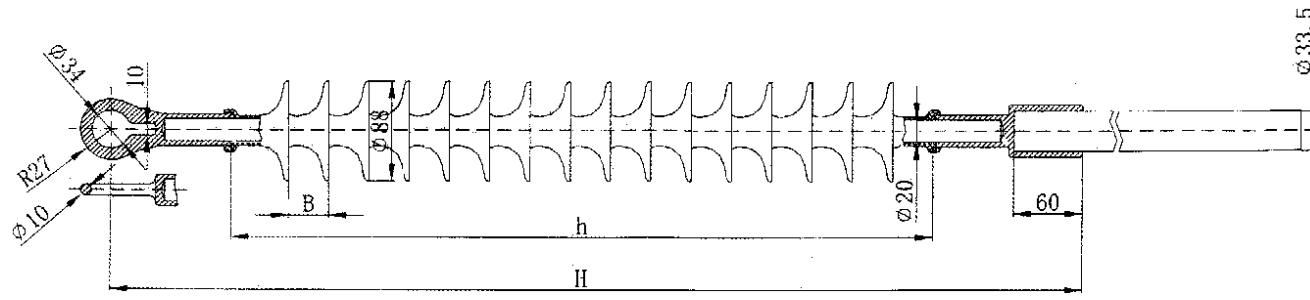


Fig.53 Orientating composite insulator for railway tunnel(8)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel (8)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	53	FQD-25/20-EY-C1	25	20	845 $\pm$ 5	610	88	35	1200	390	230	190	6.5
2	53	FQD-25/20-EY-C2	25	20	1020 $\pm$ 5	785	88	35	1600	480	280	240	7.0

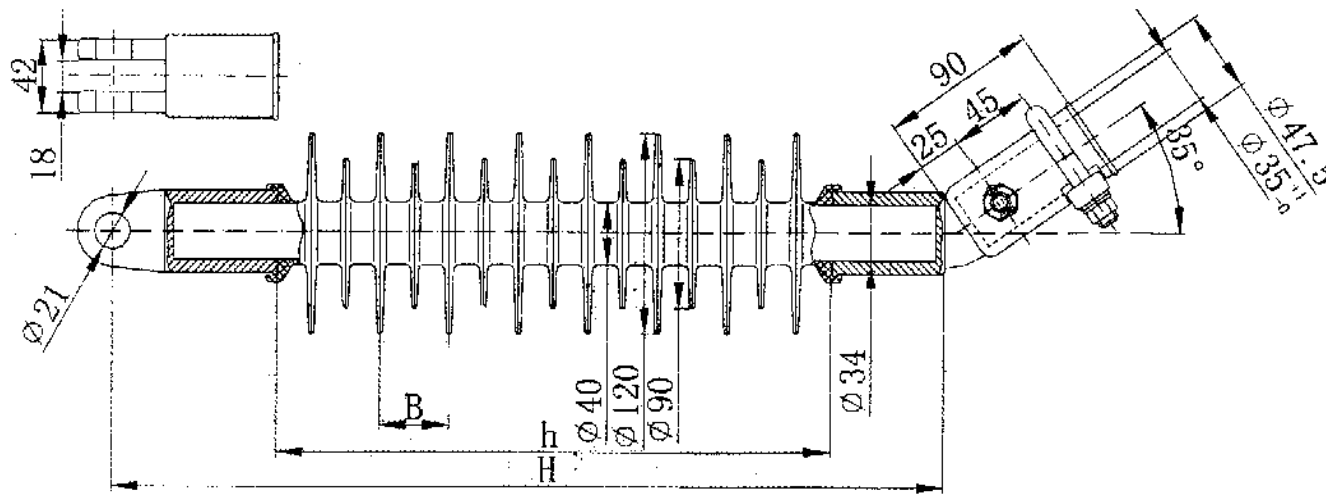


Fig.54 Orientating composite insulator for railway tunnel (9)

General dimension and characteristics of 25kv orientating composite insulator for railway tunnel (9)

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter D, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	54	FQD-25/4-UY-1	25	4	480 $\pm$ 5	320	120	90	40	1200	250	150	130	3.8
2	54	FQD-25/4-UY-2	25	4	600 $\pm$ 5	440	120	90	40	1600	300	180	150	4.3

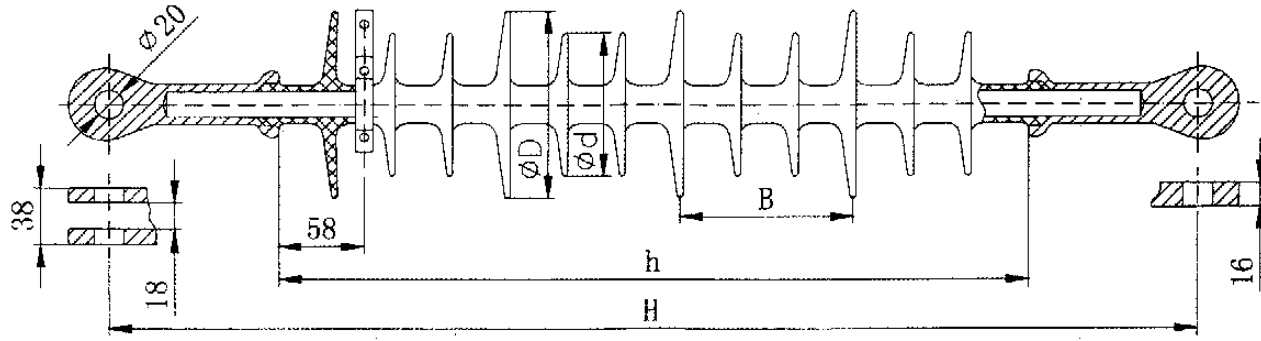


Fig.55 Suspension composite insulator

General dimension and characteristics of 25kv suspension composite insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	55	FQXS-25/100-UH-1	25	100	738 $\pm$ 5	508	128	98	117	1200	250	150	130	3.8
2	55	FQXS-25/100-UH-2	25	100	840 $\pm$ 5	610	128	98	117	1600	300	180	150	4.3

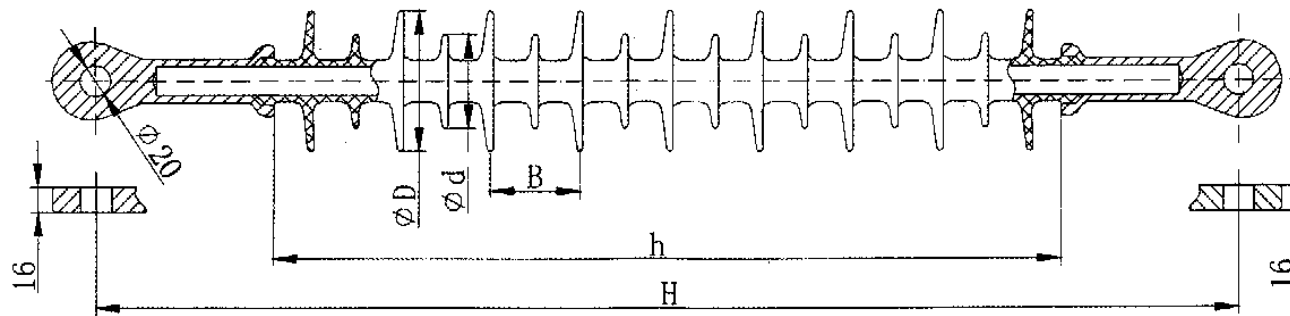


Fig.56 Suspension composite insulator

General dimension and characteristics of 25kv suspension composite insulator

No.	Fig.	Type	Rated voltage KV	Specified mechanical bending load KN	Section height H, mm	Min arcing distance h, mm	Large shed diameter D, mm	Small shed diameter d, mm	Shed spacing B, mm	Min nominal creepage distance L, mm	Lighting impulse withstand voltage $\geq$	Dry power frequency voltage $\geq$	Wet power frequency voltage $\geq$	Weight kg
1	56	FQX-25/100-HH-1	25	100	738 $\pm$ 5	508	90	60	58	1200	250	150	130	3.8
2	56	FQX-25/100-HH-2	25	100	910 $\pm$ 5	680	90	60	58	1600	300	180	150	4.3