



2.Composite Suspension / Tension Insulators for Transmission Line

Model	Figure. No	Rated Voltage	Coupling Size	Section Length	Insulating Length	Max. Shed Diameter
		kV		H(mm)	h(mm)	D(mm)
HFXBW-66/70-870	2.1.1 2.1.2	66	16	870± 15	700	145
HFXBW-66/70-870		66	16	870± 15	700	162
HFXBW-66/70-940		66	16	940± 15	740	162
HFXBW-66/100-870		66	16	870± 15	670	145
HFXBW-66/100-870		66	16	870± 15	670	162
HFXBW-66/100-940		66	16	940± 15	740	162
HFXBW-66/120-870		66	16	870± 15	670	162
HFXBW-66/120-870		66	16	870± 15	670	145
HFXBW-66/120-940		66	16	940± 15	740	162
HFXBW-66/120-1066		66	16	1066± 15	880	145

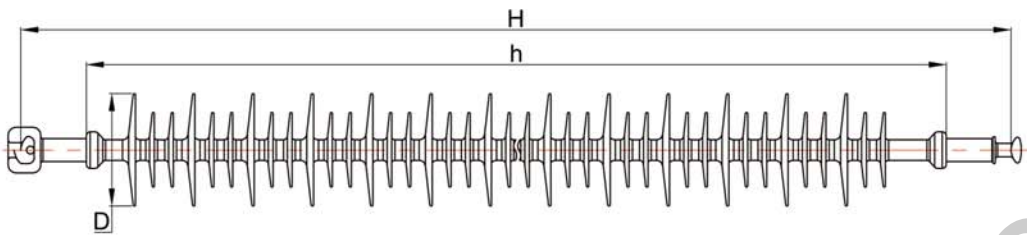


FIG 2.1.1

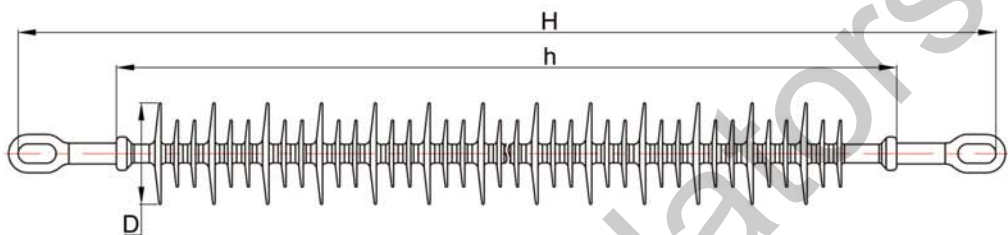
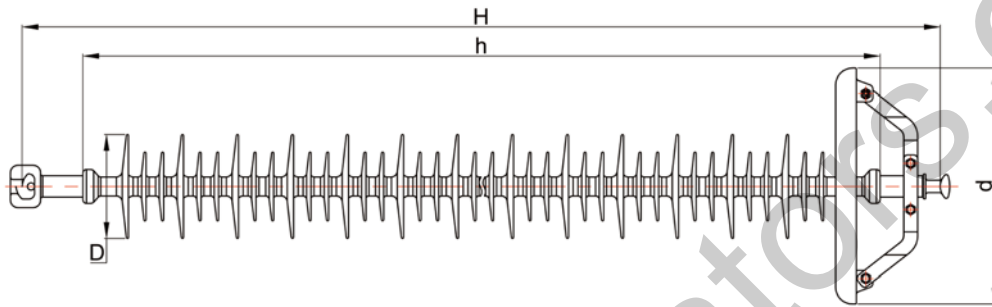


FIG 2.1.2

2.1 66kV Composite Suspension / Tension Insulators

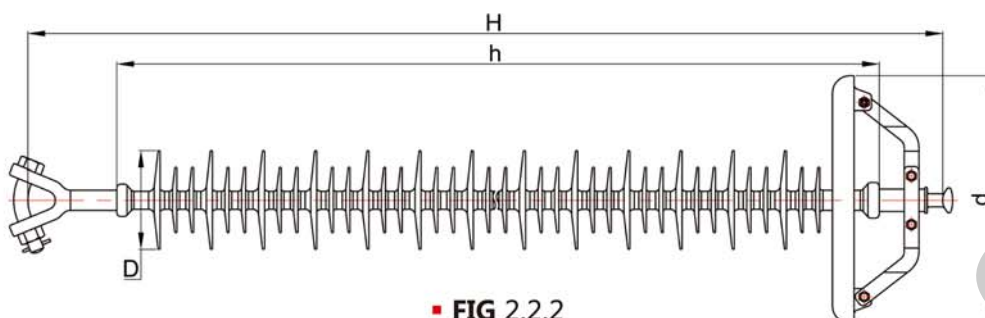
Creepage Distance	Lightning Impulse Withstand Voltage	1 Min Wet Power Frequency Withstand Voltage	Specified Mechanical Load	Weight	Standard
mm	kV	kV	kN	kg	
2000	410	185	70	3.6	IEC 61109 ANSI C29.11 ANSI C29.12
1920	410	185	70	3.3	
2200	410	185	70	3.7	
2000	410	185	100	3.6	
1920	410	185	100	3.3	
2200	410	185	100	3.7	
1920	410	185	120	3.3	
2000	410	185	120	3.6	
2200	410	185	120	3.7	
2800	410	185	80	4.5	



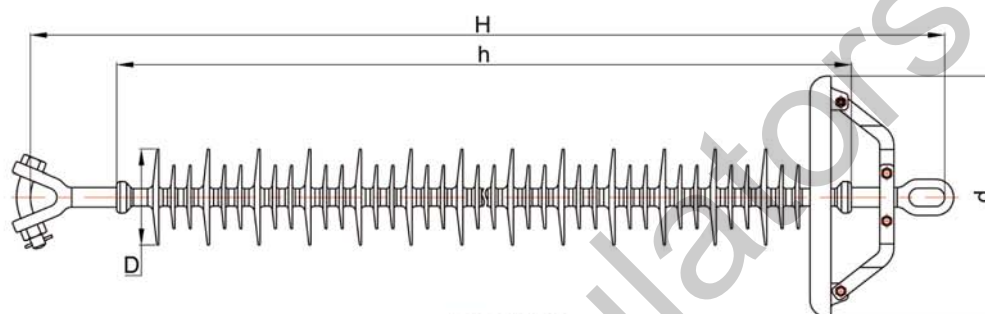
■ FIG 2.2.1

2.Composite Suspension / Tension Insulators for Transmission Line

Model	Figure. No	Rated Voltage	Coupling Size	Section Length	Insulating Length	Max. Shed Diameter
		kV		H(mm)	h(mm)	D(mm)
HFXBW-110/70	2.2.1	110	16	1240± 15	1025	162
HFXBW-110/100		110	16	1240± 15	1020	162
HFXBW-110/100		110	16	1380± 15	1125	171
HFXBW-110/160		110	20	1380± 15	1115	171
HFXBW-132/70		132	16	1480± 15	1270	162
HFXBW-132/100		132	16	1480± 15	1260	162
HFXBW-132/100	2.2.2	132	16	1480± 15	1225	171
HFXBW-132/160	2.2.3	132	20	1480± 15	1215	171
HFXBW-220/100		220	16	2240± 30	1950	171
HFXBW-220/120		220	16	2340± 30	1950	171
HFXBW-220/160		220	20	2340± 30	1950	171
HFXBW-220/180		220	20	2340± 30	1950	171
HFXBW-220/210		220	20	2340± 30	1950	171



■ FIG 2.2.2



■ FIG 2.2.3



Composite Long Rod Insulators

2.2 110-220kV Composite Suspension / Tension Insulators

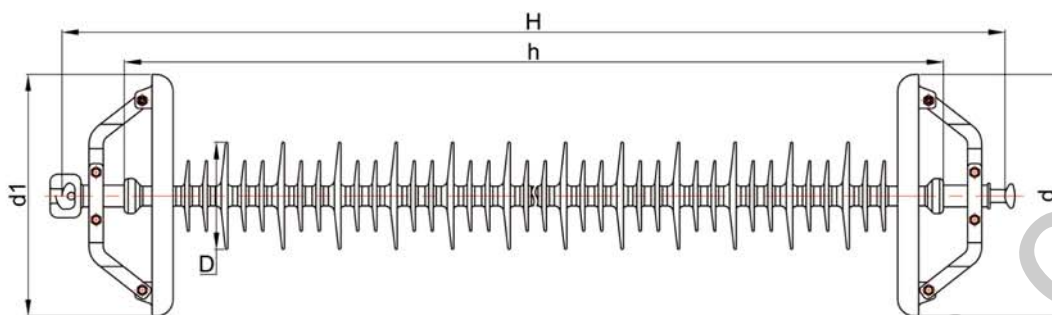
Grading Ring Diameter	Creepage Distance	Lightning Impulse Withstand Voltage	1 Min Wet Power Frequency Withstand Voltage	Specified Mechanical Load	Weight	Standard
d(mm)	mm	kV	kV	kN	kg	
250	3300	550	230	70	5.1	IEC 61109 ANSI C29.11 ANSI C29.12
250	3300	550	230	100	5.1	
250	3700	550	230	100	7.2	
250	3700	550	230	160	8.7	
250	3900	660	275	70	5.8	
250	3900	660	275	100	5.8	
250	4100	660	275	100	7.6	
250	4100	660	275	160	9.1	
305	6800	1000	395	100	11.7	
305	6800	1000	395	120	11.7	
305	6800	1000	395	160	13.3	
305	6800	1000	395	180	13.8	
305	6800	1000	395	210	14.3	

POWER SYSTEM



2.Composite Suspension / Tension Insulators for Transmission Line

Model	Figure. No	Rated Voltage	Coupling Size	Section Length	Insulating Length	Max. Shed Diameter	Grading Ring Diameter
		kV		H(mm)	h(mm)	D(mm)	d(d1)(mm)
HFXBW-300/100	2.3.1	330	16	2990± 30	2700	162	305
HFXBW-300/120		330	16	2990± 30	2700	171	305
HFXBW-300/160		330	20	2990± 30	2600	171	305
HFXBW-300/180		330	20	2990± 30	2600	171	305
HFXBW-300/210		330	20	2990± 30	2600	171	305
HFXBW-400/90		400	16	3335± 50	3050	171	370
HFXBW-400/120		400	20	3335± 50	3050	171	370
HFXBW-400/160		400	20	3335± 50	3580	171	370
HFXBW-400/210		400	24	3335± 50	3580	171	370
HFXBW-500/100		500	16	4450± 50	4130	171	350/370
HFXBW-500/120		500	16	4450± 50	4130	171	350/370
HFXBW-500/160		500	20	4450± 50	4030	171	350/370
HFXBW-500/180		500	20	4450± 50	4030	171	350/370
HFXBW-500/210		500	20	4450± 50	4030	171	350/370
HFXBW-500/240		500	20	4450± 50	4030	171	350/370
HFXBW-500/300		500	24	4450± 50	3950	174	350/370
HFXBW-500/400		500	28	4450± 50	3900	190	350/370
HFXBW-750/100		750	16	7150± 50	6750	174	440
HFXBW-750/120		750	16	7150± 50	6750	174	440
HFXBW-750/160		750	20	7150± 50	6680	174	440
HFXBW-750/180		750	20	7150± 50	6680	174	440
HFXBW-750/210		750	20	7150± 50	6680	174	440
HFXBW-750/240		750	20	7150± 50	6680	174	440
HFXBW-750/300		750	24	7150± 50	6600	174	440
HFXBW-750/400		750	28	7150± 50	6565	190	440



■ FIG 2.3.1

2.3 300-750kV Composite Suspension / Tension Insulators

Creepage Distance	Lightning Impulse Withstand Voltage	Wet Switching Impulse Withstand Voltage(Peak)	1 Min Wet Power Frequency Withstand Voltage	Specified Mechanical Load	Weight	Standard
mm	kV	kV	kV	kN	kg	
9100	1425	950	570	100	11.5	IEC 61109 ANSI C29.11 ANSI C29.12
9400	1425	950	570	120	15.4	
9200	1425	950	570	160	16.6	
9200	1425	950	570	180	16.6	
9200	1425	950	570	210	16.6	
10500	1850	1050	680	90	22.0	
10500	1850	1050	680	120	22.0	
10500	1850	1050	680	160	28.5	
10500	1850	1050	680	210	26.5	
14400	2250	1240	740	100	21.5	
14400	2250	1240	740	120	21.5	
14400	2250	1240	740	160	24.1	
14400	2250	1240	740	180	24.1	
14400	2250	1240	740	210	24.1	
14400	2250	1240	740	240	24.1	
14000	2250	1240	740	300	28.4	
14400	2250	1240	740	400	36.9	
23800	2700	1800	1120	100	42.0	
23800	2700	1800	1120	120	42.0	
23800	2700	1800	1120	160	42.7	
23800	2700	1800	1120	180	42.7	
23800	2700	1800	1120	210	42.7	
23800	2700	1800	1120	240	42.7	
23500	2700	1800	1120	300	43.7	
23500	2700	1800	1120	400	56.7	

