

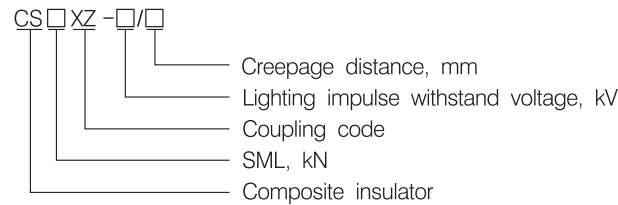
Composite Insulator Series

Polymeric Long Rod Insulator

1 General

- 1.1 Ratings: 12--500kV.
- 1.2 Application: for lines supporting, suspending and insulation of power transmission & distribution system.
- 1.3 Standard: IEC 61109: 2008, IEC 61446-1:1997, ANSI, etc.

2 Type Designation



3 Working Condition

- 3.1 Ambient air temperature: -50°C ~ +50°C
- 3.2 Altitude: ≤3000m
- 3.3 Frequency: ≤100Hz

4 Main Technical Parameter

Model	Specified mechanical load (kN)	Spacing H (mm)	Arcing distance (>mm)	Minimum creepage distance (≥mm)	Lightning impulse withstand voltage (≥kV _p)	Wet power frequency withstand voltage (≥kV _{r.m.s.})	Factory model	Fig. No.
CS70XZ-100/465	70	360	215	480	100	50	FXBW-15/70	1
CS120XZ-100/465	120	400	215	480	100	50	FXBW-15/120	1
CS70XZ-120/450	70	413	275	544	120	60	FXBW-17.5/70	2
CS120XZ-120/450	120	513	275	544	120	60	FXBW-17.5/120	2
CS70XZ-125/480	70	461	320	550	125	70	FXBW-24/70(20mm/kV)	3
CS120XZ-125/480	120	490	320	550	125	70	FXBW-24/120(20mm/kV)	3
CS70XZ-145/745	70	500	355	750	145	80	FXBW-24/70(31mm/kV)	4
CS120XZ-145/745	120	529	355	750	145	80	FXBW-24/120(31mm/kV)	4
CS70XZ-185/900	70	541	400	900	185	95	FXBW-36/70	5
CS120XZ-185/900	120	570	400	900	185	95	FXBW-36/120	5
CS70XZ-230/1120	70	610	455	1250	230	105	FXBW-36/70(31mm/kV)	6
CS120XZ-230/1120	120	650	455	1250	230	105	FXBW-36/120(31mm/kV)	6
CS70XZ-325/1815	70	860	710	2210	325	150	FXBW-72.5/70	7
CS120XZ-325/1815	120	900	710	2210	325	150	FXBW-72.5/120	7
CS70XZ-550/3150	70	1220	1055	3400	550	230	FXBW-126/70	7
CS120XZ-550/3150	120	1255	1055	3400	550	230	FXBW-126/120	7
CS120XZ-650/3625	120	1475	1270	4100	650	275	FXBW-145/70	7
CS210XZ-650/3625	210	1435	1200	3700	650	275	FXBW-145/120	8
CS120XZ-1050/6300	120	2230	2000	6500	1050	400	FXBW-252/120	9
CS160XZ-1050/6300	160	2430	2200	7000	1050	400	FXBW-252/160	10
CS120XZ-1425/9075	120	3180	2780	9880	1425	570	FXBW-363/120	11
CS210XZ-1425/9075	210	3440	3000	10450	1425	570	FXBW-363/210	12
CS120XZ-2250/13750	120	4450	4050	14100	2250	740	FXBW-550/120	11
CS210XZ-2250/13750	210	4450	4050	13850	2250	740	FXBW-550/210	12

- ※Note: 1. SML is the chosen specified mechanical load. XZ are the coupling code letters in accordance with IEC 61466-1.
- 2. We can offer composite insulators with any coupling types.
- 3. "H" in "Spacing" refers to the value of "SB" type coupling. Different coupling types have different "H", please subject to the ultimate drawings we offer.

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5 Overall and Installation Dimension

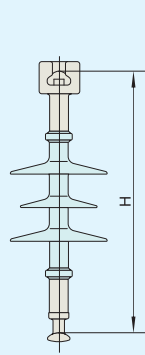


Fig. 1

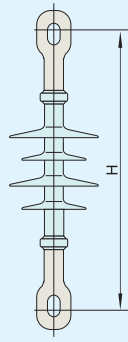


Fig. 2

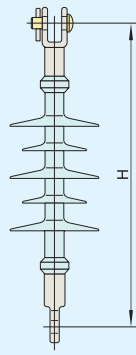


Fig. 3

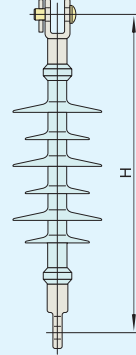


Fig. 4

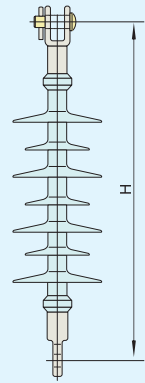


Fig. 5

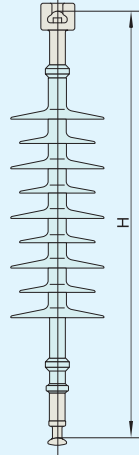


Fig. 6

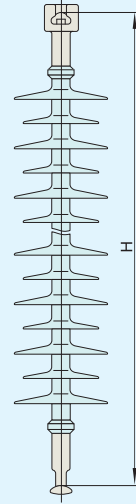


Fig. 7

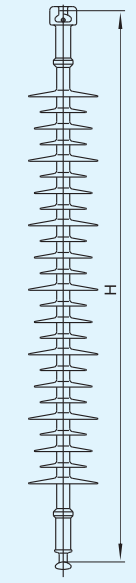


Fig. 8

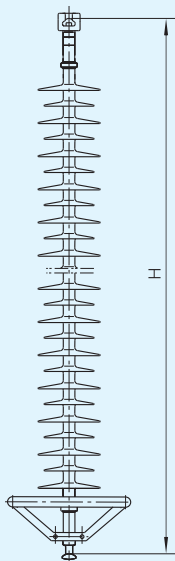


Fig. 9

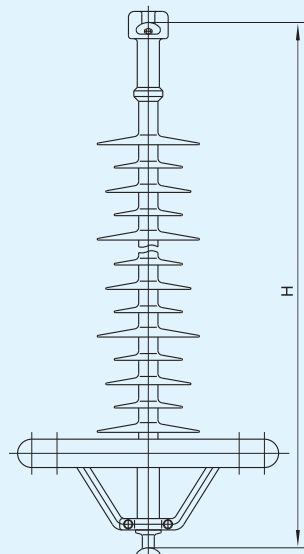


Fig. 10

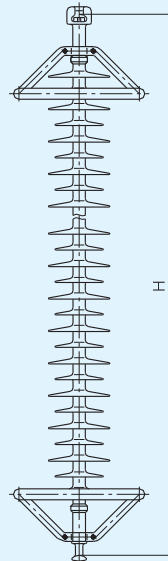


Fig. 11

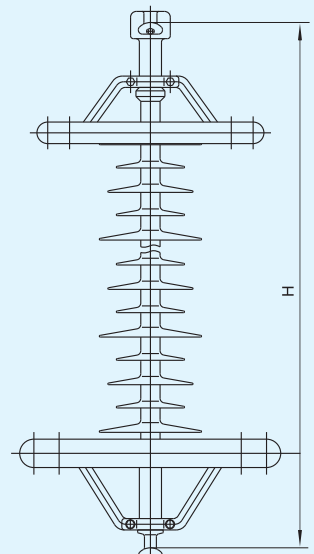


Fig. 12