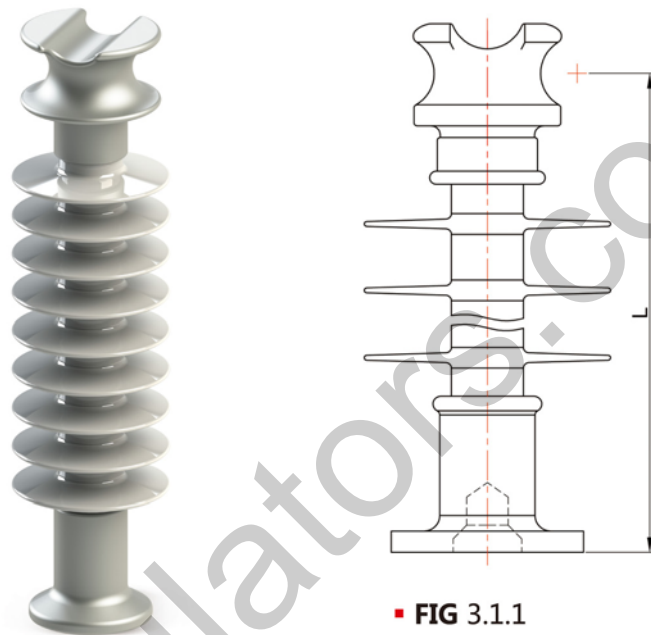
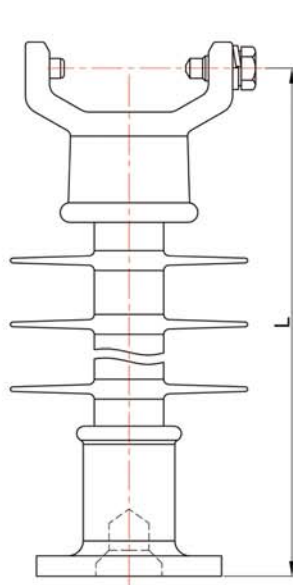




■ **FIG 3.1.1**
Top: C or F Neck
Bottom: Stud Base

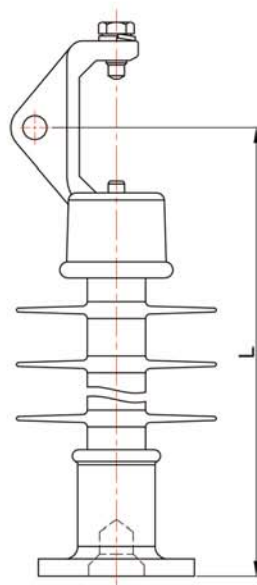
3.1 Composite Line Post Insulators ($\leq 69\text{kV}$)

Type			HFZSW-15/12.5-XY	HFZSW-28/12.5-XY	HFZSW-35/12.5-XY
Figure No.			3.1.1 / 3.1.2 / 3.1.3 / 3.1.4		
Voltage Class		kV	15	28	35
Section Length (L)		mm	297	348	424
Dry Arcing Distance		mm	138	184	264
Creepage Distance		mm	275	420	657
Critical impulse Flashover Voltage		kV	130	160	195
Low-Frequency Flashover Voltage	Dry	kV	75	95	120
	Wet	kV	42	65	85
Radio Influence Voltage	Test voltage,rms to ground	kV	10	15	22
	Maximum RIV at 1MkHz	μV	2.5	2.5	2.5
Specified Tensile Load(STL)		kN	22	22	22
Specified Cantilever Load(SCL)		kN	12.5	12.5	12.5
Max.Design Cantilever Load(MDCL)		kN	6.0	6.0	6.0
Number of sheds		pcs	2	3	5
Approx. Weight		kg	4.1	4.3	4.8
Standard			ANSI C29.18		



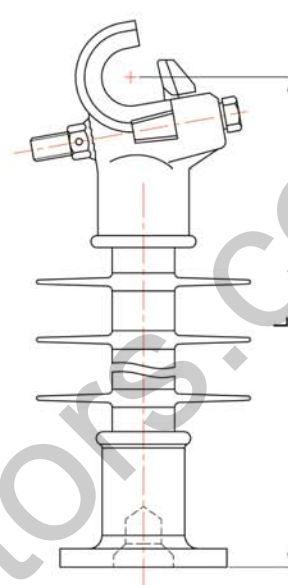
▪ FIG 3.1.2

Top:Vertical Clamp
Bottom:Stud Base



▪ FIG 3.1.3

Top:Horizontal Trunnion Clamp
Bottom:Stud Base



▪ FIG 3.1.4

Top:K-Clamp
Bottom:Stud Base



Composite line Post Insulators

3.1 Composite Line Post Insulators($\leq 69\text{kV}$)

HFZSW-46/12.5-XY	HFZSW-69/12-XY	HFZSW-69/14-XY	HFZSW-69/11-XY
3.1.1 / 3.1.2 / 3.1.3 / 3.1.4			
46	69	69	69
500	571	619	694
339	445	478	551
860	1171	1121	1511
240	300	310	360
145	190	205	235
115	150	160	190
30	30	30	45
2.5	2.5	2.5	6
22	22	22	22
12.5	12.0	14.0	11.0
6.0	6.0	7.0	5.5
6	10	10	13
5.8	7.0	10.1	8.4
ANSI C29.18			

XY:X(Top fitting)/Y(Bottom fitting)

X optional:

C(C Neck)

F(F Neck)

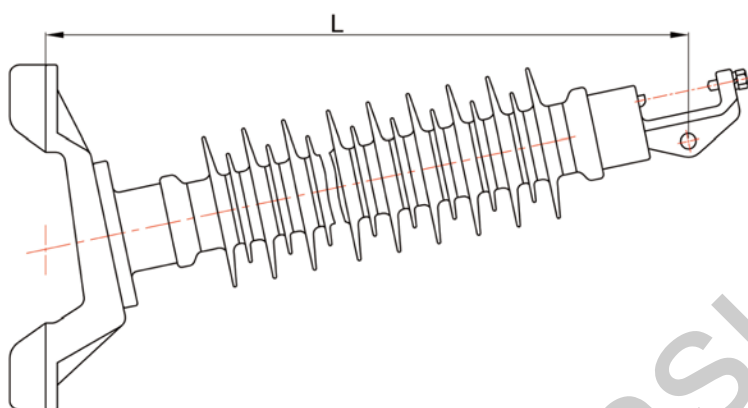
H(Horizontal Trunnion Clamp)

V(Vertical Clamp)

K(K-Clamp)

Y optional:

S(Stud Base)



▪ FIG 3.2.1

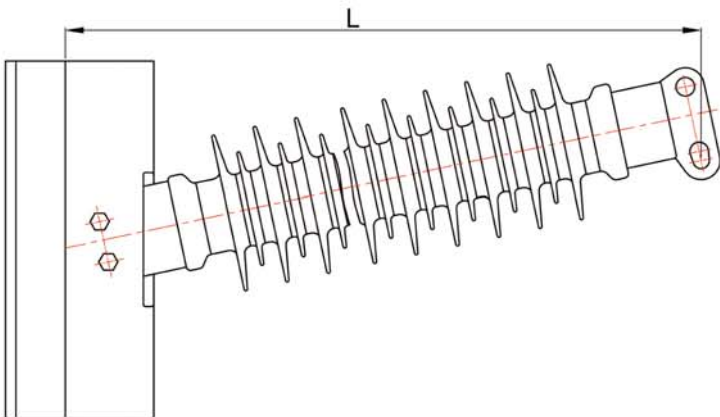
Top:Horizontal Trunnion Clamp
Bottom:Gain Base

3.2 Composite Line Post Insulators($\geq 69\text{kV}$)

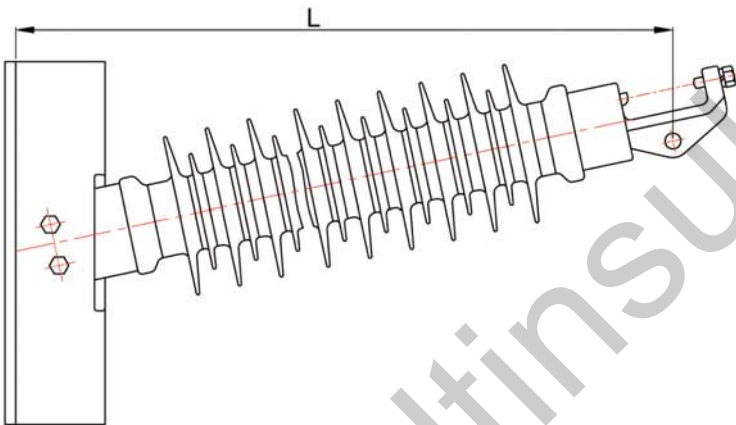
Type		HFZSW-69/27-XY	HFZSW-69/24-XY	HFZSW-69/21-XY	HFZSW-115/18-XY	HFZSW-115/15-XY
Figure No.		3.2.1 / 3.2.2 / 3.2.3				
Voltage Class	kV	69	69	69	115	115
Section Length (L)	mm	775	899	1022	1147	1271
Dry Arcing Distance	mm	617	737	861	986	1115
Leakage Distance	mm	1544	1890	2238	2583	2931
Critical Impulse Flashover Voltage positive	kV	380	450	520	590	665
Low Frequency Flashover Voltage	Dry	kV	250	290	340	430
	Wet	kV	225	260	295	330
Specified Cantilever Load	kN	27.1	24.0	21.1	18.2	15.2
Max. Design Cantilever Load	kN	13.5	12.0	10.6	9.1	7.6
Specified Tensile Load	kN	22.2	22.2	22.2	22.2	22.2
Standard		ANSI C29.17				

XY: X(Top fitting) / Y(Bottom fitting) X optional: V(Vertical Trunnion Clamp) H(Horizontal Trunnion Clamp) E(Drop Eye)

Y optional: G(Gain Base) C(Curved Bendable Gain Base) F(Flat Bendable Base)



▪ **FIG 3.2.2**
Top:Drop Eye-E
Bottom:Curved Bendable Gain Base



▪ **FIG 3.2.3**
Top:Horizontal Trunnion Clamp
Bottom:Flat Bendable Base

3.2 Composite Line Post Insulators(≥ 69 kV)

HFZSW-138/14-XY	HFZSW-138/12-XY	HFZSW-161/10-XY	HFZSW-161/9-XY	HFZSW-230/8-XY	HFZSW-230/7-XY	HFZSW-230/6-XY
3.2.1 / 3.2.2 / 3.2.3						
138	138	161	161	230	230	230
1395	1519	1643	1767	2289	2537	2766
1234	1361	1481	1610	2032	2281	2540
3277	3622	3970	4315	5166	5862	6553
735	805	875	955	1205	1350	1505
475	520	555	600	740	820	905
410	450	470	495	565	605	650
13.8	12.3	10.8	9.4	8.0	7.2	6.5
6.9	6.2	5.4	4.7	4.0	3.6	3.3
22.2	22.2	22.2	22.2	22.2	22.2	22.2
ANSI C29.17						