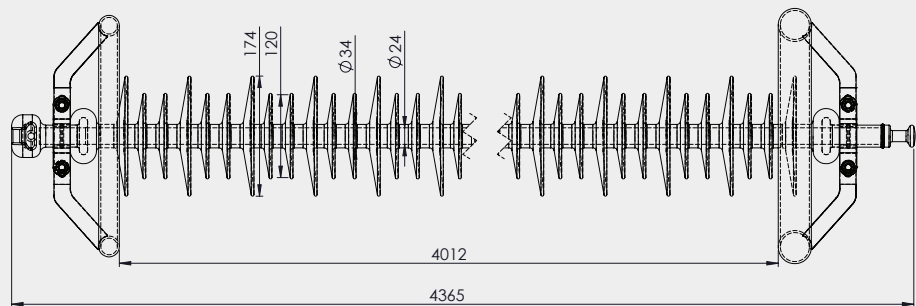
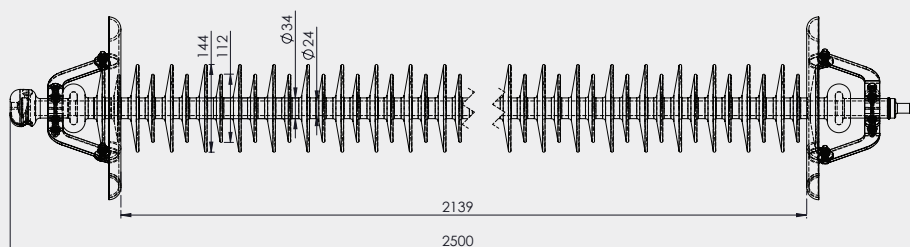


Composite insulators 400 kV

Catalog number		1	2	3
Voltage Level	(KV)	400	400	400
Tensile Strength	(KN)	160/210	160/210	160/210
Creepage Distance	(mm)	17072	15548	13643
Arcing Distance	(mm)	4012	4470	3600
Section Distance	(mm)	4365	4700	3900
Lighting Impulse Withstand Voltage	Positive(KV)	2550	2100	1700
	Negative(KV)	2610	2160	1750
Power Frequency Withstand Voltage	Wet(KV)	700	660	640
	Dry(KV)	810	780	750
Wet Switching Impulse Withstand Voltage	(KV)	1150	990	930
Sheds specification				
Number of Sheds	Q.T.Y.	136	121	106
Big Shed Diameter	(mm)	174	174	174
Small Shed Diameter	(mm)	124	124	124
According to IEC 60815				
Material				
Core	FRP(ECR)			
Housing & Sheds	SIR (HTV)			
End Fitting	Forged Steel (H.D.G.)			
End Fitting				
Ball/Socket/Y-Ball/Celevis/Tongue/Ovalball				
According to IEC 60120 & IEC61466-1 & 60471				



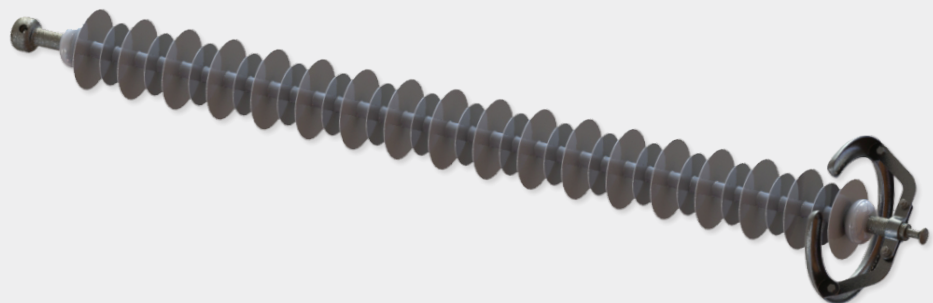
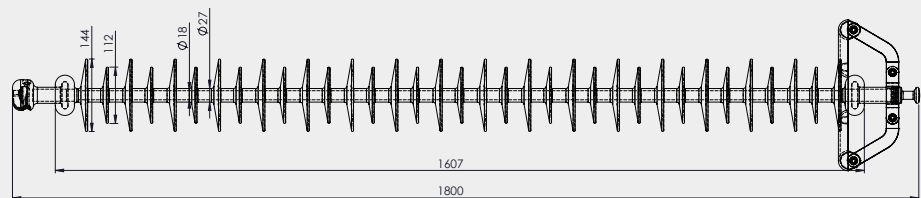
Composite insulators 230 kV



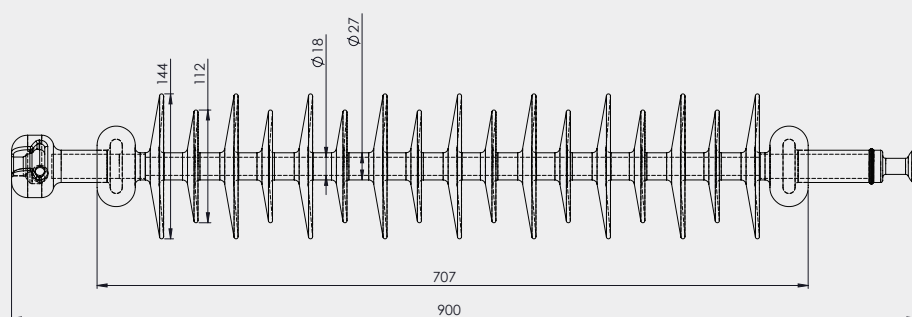
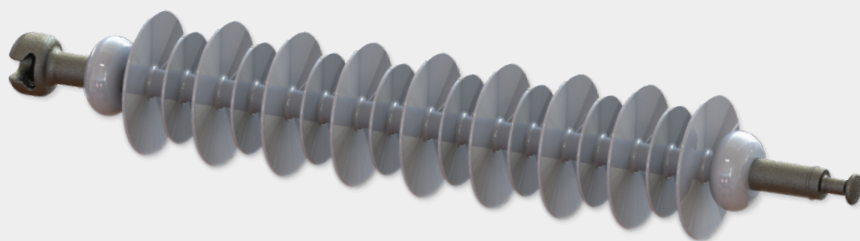
Catalog number		1	2	3
Voltage Level	(KV)	230	230	230
Tensile Strength	(KN)	160/120	160/120	160/120
Creepage Distance	(mm)	10864	8970	7888
Arcing Distance	(mm)	2160	1660	1250
Section Distance	(mm)	2603	2100	1730
Lighting Impulse Withstand Voltage	Positive(KV)	991	915	833
	Negative(KV)	1050	963	886
Power Frequency Withstand Voltage	Wet(KV)	628	576	515
	Dry(KV)	729	665	613
Sheds specification				
Number of Sheds	Q.T.Y.	79	65	59
Big Shed Diameter	(mm)	144	144	144
Small Shed Diameter	(mm)	112	112	112
According to IEC 60815				
Material				
Core	FRP(ECR)			
Housing & Sheds	SIR (HTV)			
End Fitting	Forged Steel (H.D.G.)			
End Fitting				
Ball/Socket/Y-Ball/Celevis/Tongue/Ovalball				
According to IEC 60120 & IEC61466-1 & 1-60471				

Composite insulators 132 kV

Catalog number		1	2	3
Voltage Level	(KV)	132	132	132
Tensile Strength	(KN)	160/120	160/120	160/120
Creepage Distance	(mm)	5724	5000	4372
Arcing Distance	(mm)	1920	1620	1420
Section Distance	(mm)	2100	1830	1610
Lighting Impulse Withstand Voltage	Positive(KV)	762	733	694
	Negative(KV)	853	820	783
Power Frequency Withstand Voltage	Wet(KV)	402	356	313
	Dry(KV)	513	468	409
Sheds specification				
Number of Sheds	Q.T.Y.	41	35	31
Big Shed Diameter	(mm)	144	144	144
Small Shed Diameter	(mm)	112	112	112
According to IEC 60815				
Material				
Core	FRP(ECR)			
Housing & Sheds	SIR (HTV)			
End Fitting	Forged Steel (H.D.G.)			
End Fitting				
Ball/Socket/Y-Ball/Celevis/Tongue/Ovalball				
According to IEC 60120 & IEC61466-1 & 60471				



Composite insulators 63 kV



Catalog number				
Voltage Level	(KV)	63	63	63
Tensile Strength	(KN)	80/120	80/120	80/120
Creepage Distance	(mm)	2749	2396	2208
Arcing Distance	(mm)	935	775	530
Section Distance	(mm)	1085	925	765
Lighting Impulse Withstand Voltage	Positive(KV)	490	440	380
	Negative(KV)	506	457	398
Power Frequency Withstand Voltage	Wet(KV)	261	218	186
	Dry(KV)	374	323	273
Sheds specification				
Number of Sheds	Q.T.Y.	19	17	15
Big Shed Diameter	(mm)	144	144	144
Small Shed Diameter	(mm)	112	112	112
According to IEC 60815				
Material				
Core	FRP(ECR)			
Housing & Sheds	SIR (HTV)			
End Fitting	Forged Steel (H.D.G.)			
End Fitting				
Ball/Socket/Y-Ball/Celevis/Tongue/Ovalball				
According to IEC 60120 & IEC61466-1 & 60471				