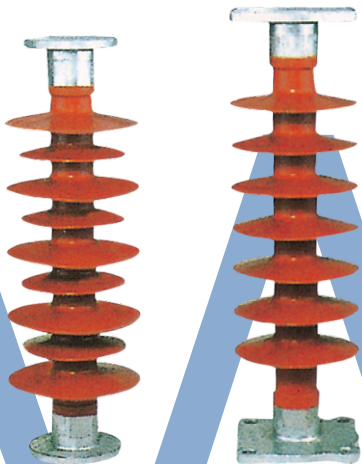
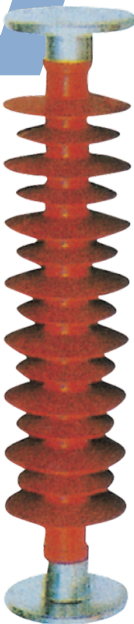


FZSW-12/5 FZSW-12/4



FZSW-35/6 FZS-35/6



FZSW-66/8

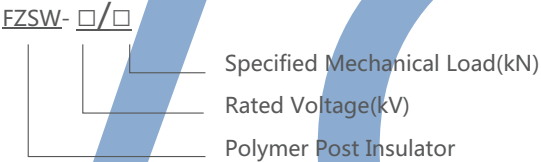
General Introduction

Polymer insulator shed made of silicon rubber for grantee the outside insulation; high strength epoxy poles provide inside insulation for products and sustain machine load. These products use new technology, which press connect of mold, mandril and metal terminal which. improved the products, reliability, the charaters as follows:
Superior electrical function and strength soiling, small volumn, light weight, excellent impulse resistance, shock resistance, and explode resistance.

Working Conditions

- 1.Ambient temperature:-50~+50°C
- 2.Altitude: ≤3000m

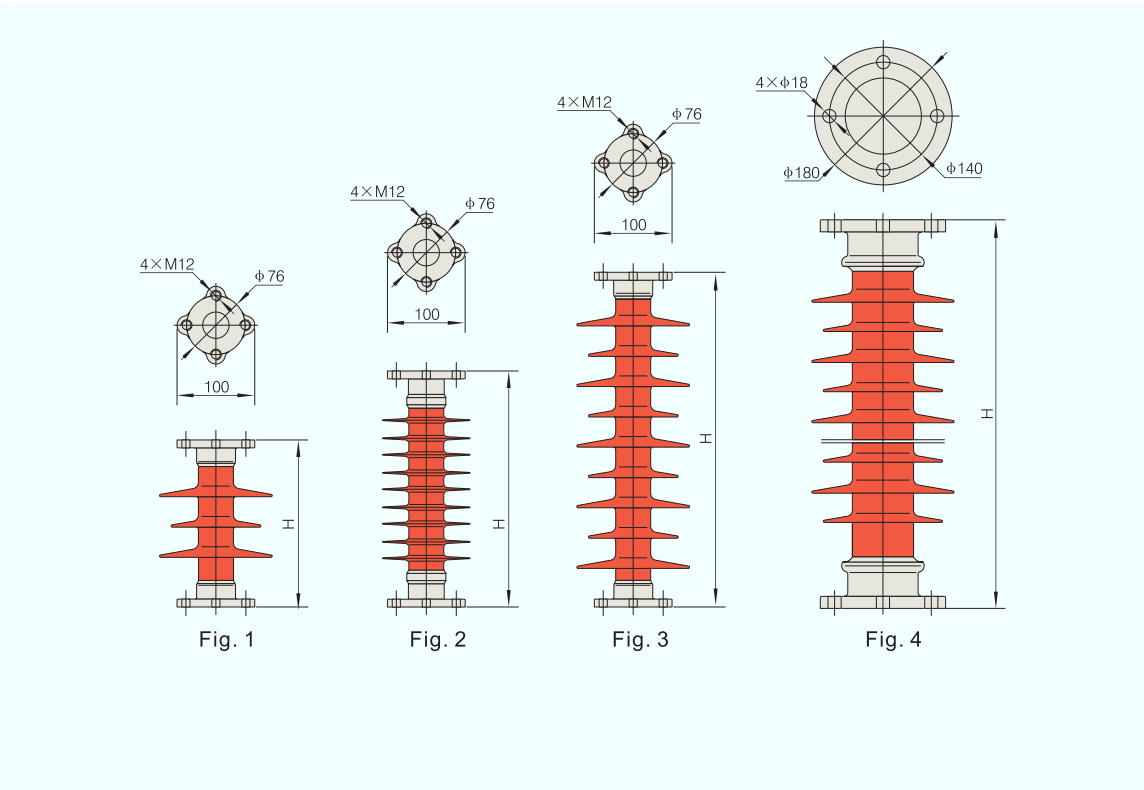
Model and Meaning

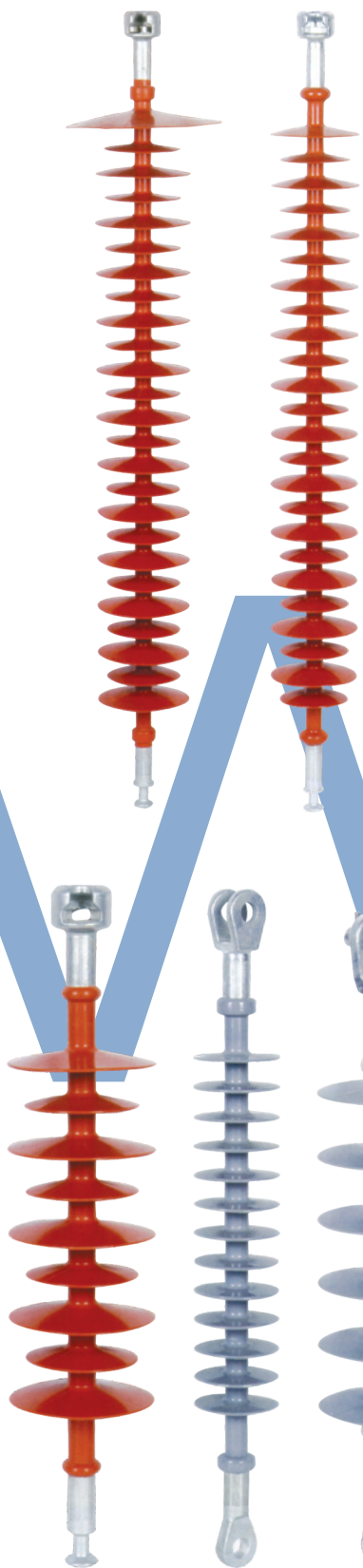


Technical Specification

Model	Rated voltage (kV)	Specified mechanical load (kN)	Spacing H (mm)	Arcing distance (>mm)	Minimum creepage distance (≥mm)	Lightening impulse withstand voltage (≥kV _p)	wet power frequency withstand voltage (≥kV _{r.m.s.})	Fig. NO.
FZSW-12/6	12	6	215	210	450	100	45	1
FZSW-24/8	24	8	305	265	780	130	60	2
FZSW-40.5/6	40.5	6	445	435	1015	190	90	3
FZSW-72.5/10	72.5	10	770	675	1820	350	150	4
FZSW-126/8	126	8	1220	1125	3150	500	230	4
FZSW-245/4	252	4	2300	2200	6300	1050	450	4

Outline and Mounting Dimension





General Introduction

Polymer suspension insulator is used in overhead transmission line or distribution line. And the voltage can be AC or DC. Our voltage range for polymer long rod insulator is from 10kV to 500kV. Our 500kV polymer suspension insulator is one step injection. This polymer insulator can be used in tension tower to assembly tension string to tensile conductor or used in suspension tower to assembly suspension string to suspend conductor.

Working Conditions

- 1.Ambient temperature:-50~+50°C
- 2.Altitude: ≤3000m

Construction

- 1. Core rod and fittings: composite long rod insulator consists of a unidirectional reinforced fiber glass core and assembly with two metal end fitting and most of end fittings were forge steel.
- 2. Silicone rubber: in order to prevent electrical degradation and the electrical leakage currents, the surface of fiber glass core is protected by a layer of high temperature vulcanized silicone rubber and the thickness must be more than 3mm.
- 3. How to connect the fitting with core rod: we use crimp machine to crimped the end fittings onto the ends of core rod.

End fitting

- 1. Ball and socket end fitting
- 2. Clevis and tongue end fitting
- 3. Pig tail end fitting
- 4. Hook end fitting
- 5. Y clevis end fitting

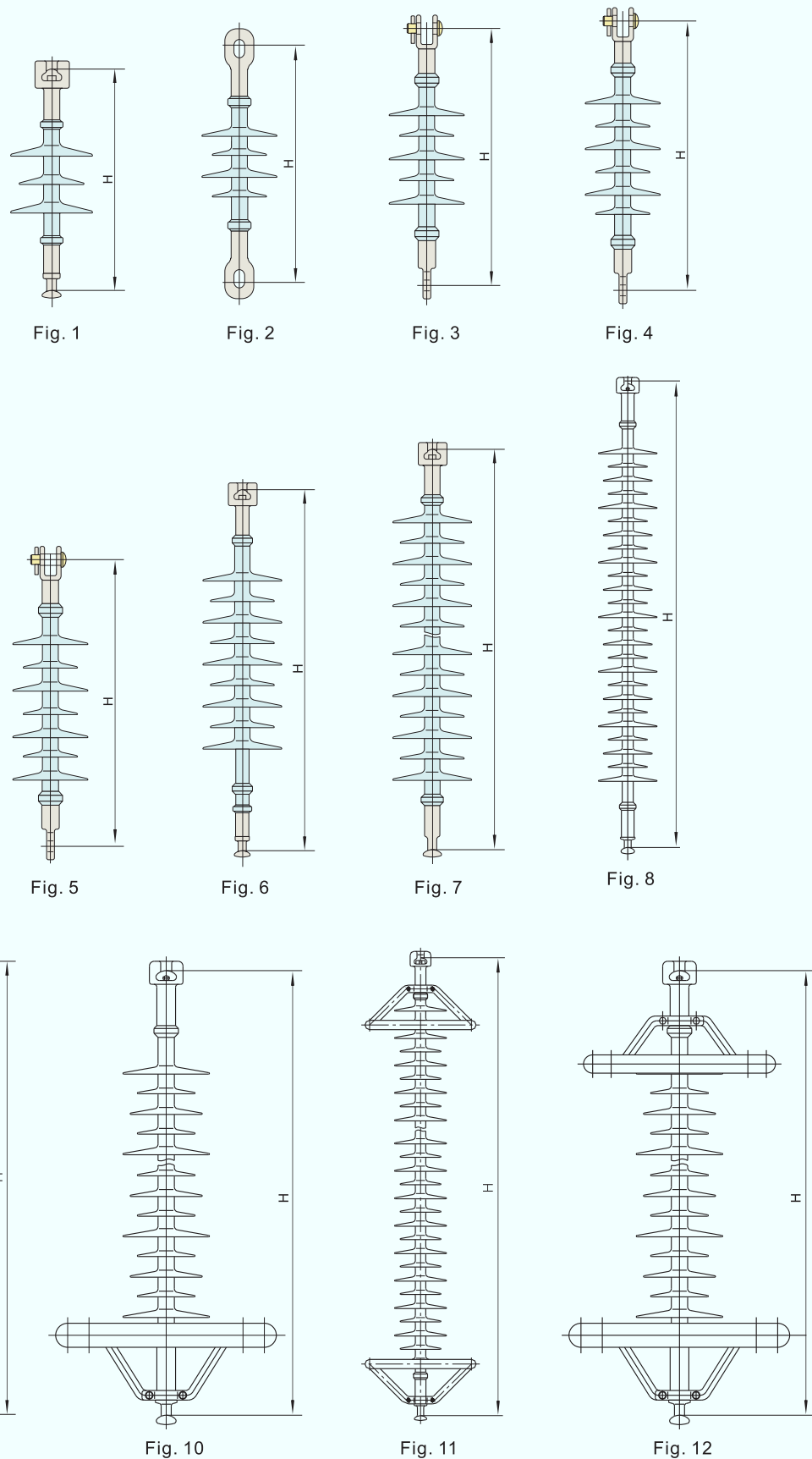
Color for polymer long rod suspension insulator

- 1. Red
- 2. Grey

Technical Specification

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.})	Fig. No.
FXBW-15/70	70	360	215	480	100	50	1
FXBW-15/120	120	400	215	480	100	50	1
FXBW-17.5/70	70	413	275	544	120	60	2
FXBW-17.5/120	120	513	275	544	120	60	2
FXBW-24/70(20mm/kV)	70	461	320	550	125	70	3
FXBW-24/120(20mm/kV)	120	490	320	550	125	70	3
FXBW-24/70(31mm/kV)	70	500	355	750	145	80	4
FXBW-24/120(31mm/kV)	120	529	355	750	145	80	4
FXBW-36/70	70	541	400	900	185	95	5
FXBW-36/120	120	570	400	900	185	95	5
FXBW-36/70(31mm/kV)	70	610	455	1250	230	105	6
FXBW-36/120(31mm/kV)	120	650	455	1250	230	105	6
FXBW-72.5/70	70	860	710	2210	325	150	7
FXBW-72.5/120	120	900	710	2210	325	150	7
FXBW-126/70	70	1220	1055	3400	550	230	7
FXBW-126/120	120	1255	1055	3400	550	230	7
FXBW-145/70	120	1475	1270	4100	650	275	7
FXBW-145/120	210	1435	1200	3700	650	275	8
FXBW-252/120	120	2230	2000	6500	1050	400	9
FXBW-252/160	160	2430	2200	7000	1050	400	10
FXBW-363/120	120	3180	2780	9880	1425	570	11
FXBW-363/210	210	3440	3000	10450	1425	570	12
FXBW-550/120	120	4450	4050	14100	2250	740	11
FXBW-550/210	210	4450	4050	13850	2250	740	12

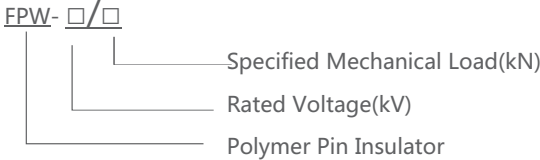
Outline and Mounting Dimensions



General Introduction

Polymer pin type insulator is applied to high voltage power line to support conductor and insulate from ground. And composite insulator is used under 35kV distribution line. Since this type insulator has many advantages, now days many countries and areas more and more use this type insulator to displace porcelain or ceramic insulator.

Model and Meaning



Features

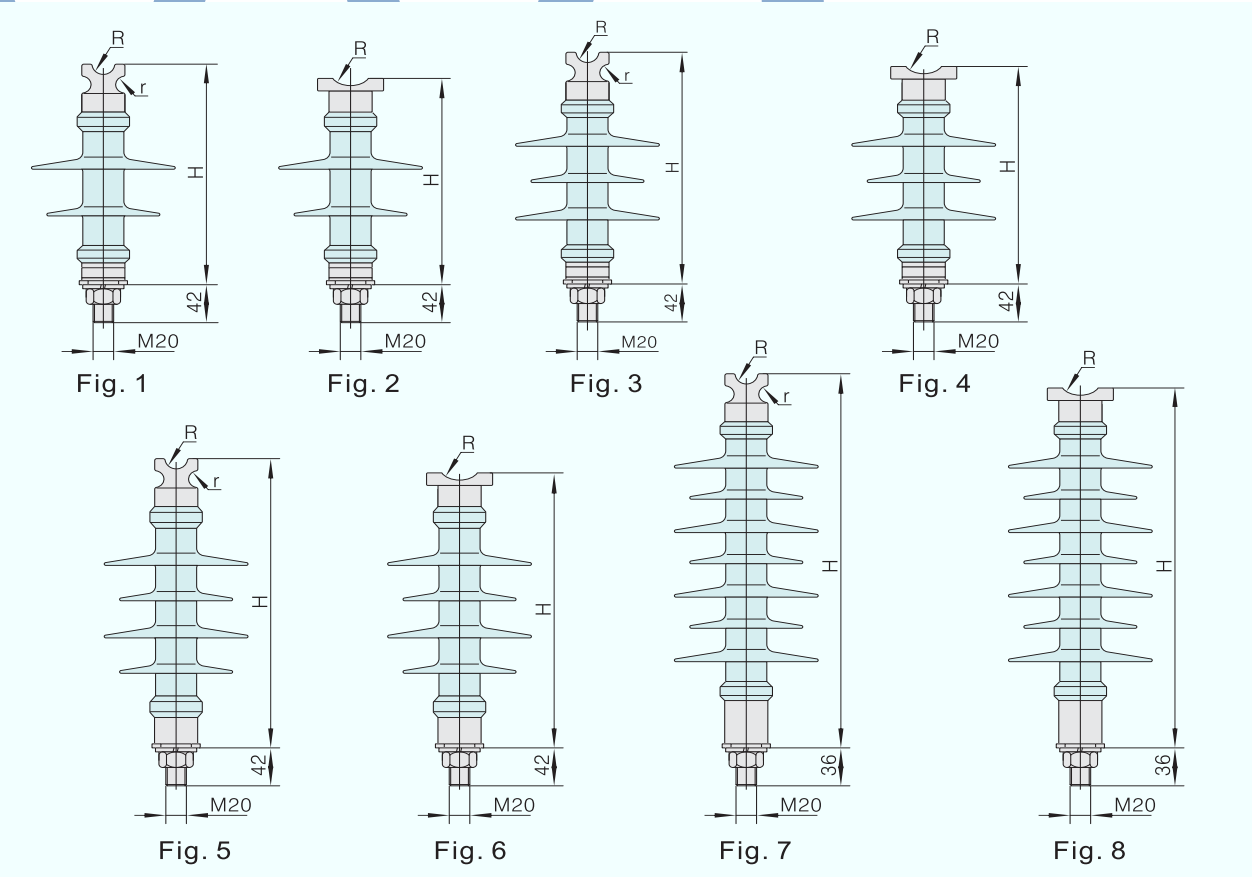
1. The under surface and grooves of sheds or skirts are easy cleaning. Sheds are substantially symmetrical in shape without appreciable warping.
2. The composite pin insulator is suitable for both vertical and horizontal applications. It can be suitable for both bare and protected conductors.
3. This type composite insulators bottom metal end fitting can be suitable for mounting on steel cross arm or wooden cross arm.
4. The top and side grooves can be designed to accept conductor sizes in the range of customers' requirement.
5. The final color of the insulator housing shall be red or grey.



Technical Specification

Model	Rated voltage (kV)	Specified mechanical load (kN)	Spacing H (mm)	Arcing distance (>mm)	Minimum creepage distance (≥mm)	Lightening impulse withstand voltage (≥kV _p)	wet power frequency withstand voltage (≥kV _{r.m.s.})	Fig. NO.
FPW-12/5	12	5	248	195	315	100	45	1
	12	5	228	195	315	100	45	2
FPW-15/5	15	5	268	215	450	120	50	3
	15	5	248	215	450	120	50	4
FPW-24/8	24	8	308	250	480	150	60	5
	24	8	288	250	480	150	60	6
FPW-36/5	36	5	413	340	900	180	80	7
	36	5	393	340	900	180	80	8

Outline and Mounting Dimensions



General Introduction

Composite line post insulator is used to high voltage transmission line and distribution line and up to 132kV as one kind of composite insulators. And composite line post insulator has good performance of hydrophobicity and anti-pollution, high mechanical strength and can be installed easily. Same dimension of the fittings as porcelain pin insulator, so they can be exchanged.

Technical Specification

Model	Rated voltage (kV)	Specified mechanical load (kN)	Spacing H (mm)	Arcing distance (>mm)	Minimum creepage distance (≥mm)	Lightening impulse withstand voltage (≥kV _p)	wet power frequency withstand voltage (≥kV _{r.m.s.})	Fig. NO.
FPS-12/5	12	5	510	215	450	100	45	1
FPS-12/10	12	10	540	215	400	100	45	2
FPS-24/5	24	5	555	240	480	120	50	3
FPS-36/5	36	5	635	325	1015	180	75	4
FPS-36/10	36	10	675	350	1000	180	75	5

This series of products has two mounting methods: vertical and horizontal, with different structure height. Dimensions of horizontal mounting are as follow: diameter of mounting holes: 22mm, distance of mounting holes:245mm~305mm.

Outline and Mounting Dimensions

