

# 10kV Composite Post Insulator

This 10kV composite post insulator is lightweight and compact for easy transport and installation. It provides reliable insulation and support for high-voltage conductors in various outdoor and indoor applications.



## Overview

### High-Performance 10kV Composite Post Insulator

This 10kV composite post insulator is engineered for high-voltage transmission lines, particularly in areas prone to heavy pollution. Its lightweight and compact design allows for easy transport and installation while maintaining high mechanical strength and maintenance-free operation. Utilizing advanced complete injection technology, the core rod and sheath are bonded without apertures to ensure superior internal insulation and prevent interface breakdown.

## Key Performance Metrics

### Featured Specifications

<b>10 kV</b> Specified Voltage	<b>6 kN</b> Mechanical Load	<b>380 mm</b> Creepage Distance	<b>1.9 kg</b> Reference Weight
-----------------------------------	--------------------------------	------------------------------------	-----------------------------------

## Technical Characteristics

### Key Features

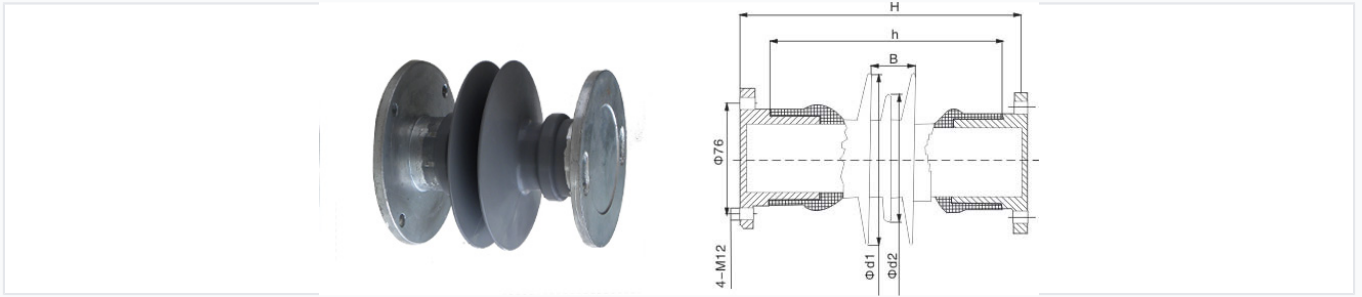
- Lightweight and small volume for easy logistics
- High mechanical strength for reliable support
- Excellent anti-pollution performance
- Maintenance-free design
- Complete injection technology for aperture-free bonding

## Electrical & Mechanical Data

### Main Technical Parameters

Parameter	Value
Type of Insulator	FZSW-10/6
Section Length (H)	215±5 mm
Min. Arcing Distance (h)	125 mm
Big Shed Diameter (d1)	140 mm
Lightning Impulse Withstand Voltage (Peak)	e95kV
Power Frequency Withstand Voltage (Wet/RMS)	e38kV
Specified Bending Withstand Load	6 kN

## Design & Construction



Dimensional diagram showing height, shed width, and mounting flange details for the 10kV post insulator.

### Structure & Materials

- Core Rod
- Sheath (Composite Material)
- End Fitting

### Mounting Hardware

4-M12 Bolts

## Compliance & Customization

### Available Colors

Red • Gray • Blue • Yellow • Custom

### Executive Standards

GB/T 19519-2014, IEC 61109

### Customization Options

Dimensions, characteristics, connection types, and colors can be designed according to customer requirements.