

Overview

The pin insulator is a type of distribution line insulator, which is mounted to an electrical cross arm of the utility pole with the support of various bolts or pole top pins.

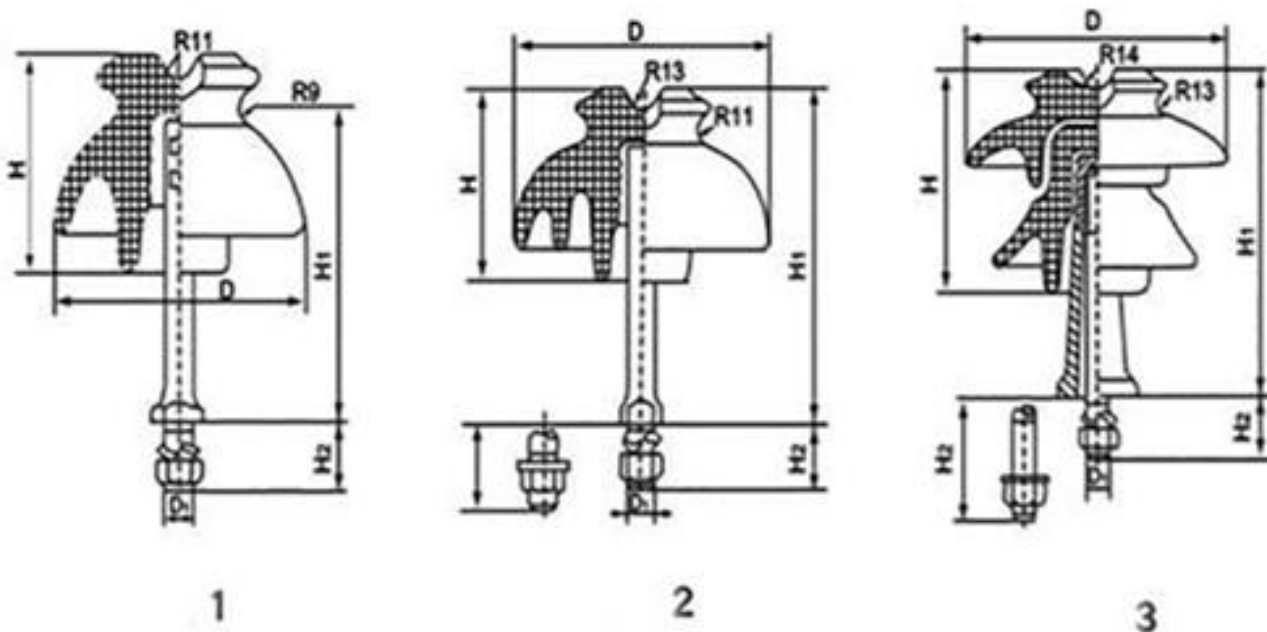
Pin porcelain insulator is widely used in the power distribution systems with the features of low price, high mechanical strength, simple design, and easy maintenance.

Pin type insulators are assembled on the top of the electrical poles or towers. The conductor was fixed to the grooves on the upper end of the insulators, with the help of the top tie.

Pin type insulator can be made of ceramic, porcelain, polymer, glass, or silicon rubber.

For lower voltages one-piece type of insulators are enough, For the application of higher voltage, stronger pin type insulators such as two pieces or three pieces types are needed.

Due to its design, It is generally used for the voltage 11kv up to 35kv, pin Insulators beyond a voltage of 35 kV will be bulky and expensive.



Parameter

Item No.	Rated voltage(KV)	Creepage distance(mmn)	Standard lightning impulse withstand voltage(Kv)	Power frequency voltage(KV)		Bending failure load(KN)	Bending failure load(KN)	reference weight(kg)	Remark
				Wet tolerance	breakdown				
P-10T	10	195	75	28	95	1.4	11	2.1	Normal type
P-15T	15	280	90	40	98		11	3.4	
PQ1-10T	10	255	90	40	130	2	11	2.35	Stain-resistant type
PQ-15T	15	295	110	50	135	2	11	3	
P-20T	20	370	132	50	140	2	13	7	
PQ-20T	20	370	132	50	140	2	13	6.5	
PQ2-10T	22	450	132	50	145	2	13	6.7	