

Porcelain stay and shackle insulator

Porcelain stay insulators are used on overhead distribution lines at a nominal voltage up to 33kV



Stay insulators

Porcelain stay insulators are used on overhead distribution lines at a nominal voltage up to 33kV. The stay insulators shall be provided with two transverse holes for the insertion of stay wires used for pole supporting.

Main parameters:

Voltage Range: 0.4kV~33kV

Tensile strength:45kN,89kN,222kN and as per client's request

Glaze: Light grey, white, brown

Porcelain stay insulators complies with following standards:

- ANSI C29.4
- IEC60383
- AS3609

ANSI Class	Creepage Distance (mm)	Tensile Strength (kN)	Power frequency Voltage.50HZ (kV)		Main Dimensions (mm)						Weight (kg)
			Dry	Wet	H	h	h1	D	d	d1	
54-1	41	44	25	12	89	44	64	64	44	16	0.5
54-2	48	53	30	15	108	57	76	73	54	22	0.65
54-3	57	89	35	18	140	67	103	86	60	25	1.2
54-4	76	89	40	23	172	79	114	89	60	25	1.85
Applicable standard					ANSI C29.4						

Shackle insulators

Porcelain shackle insulators are used on low voltage overhead distribution lines and transmission. The hole in the insulator shall be smoothly radiused to present.

Main parameters:

Voltage Range: 0.4kV~11kV

Transverse strength:9kN,13kN,15kN and as per client’s request

Glaze: Light grey, white, brown

Porcelain shackle insulators complies with following standards:

- ANSI C29.3
- IEC60383
- BS137

ANSI Class		53-1	53-2	53-3	53-4	53-5
Main dimensions (mm)	H	54	76	81	76	105
	H	27	38	40.5	38	52.5

	D	57	79	76	105	102	
	D	44	44	44	73	73	
	d1	17.5	17.5	17.5	17.5	17.5	
	d2	22	24	24	24	24	
	R	11	17.5	11	16	11	
Transverse strength (kN)		8.9	13.3	17.8	20	26.7	
Power frequency flashover voltage (kV)	Dry		20	25	25	25	35
	Wet	V	8	12	12	12	18
		H	10	15	15	15	25
Weight (kg)		0.2	0.5	0.6	1.05	1.2	
Applicable Standard		ANSI C29.3					

For additional specifications please contact our customer service.