

Overview

Suspended insulators are generally made of insulating parts (such as porcelain and glass) and metal accessories (such as steel feet, iron caps, flanges, etc.) glued or mechanically clamped with glue. Insulators are widely used in power systems, generally belong to external insulation, and work under atmospheric conditions. Overhead transmission lines, busbars of power plants and substations, and external live conductors of various electrical equipment must be supported by insulators and insulated from the ground (or ground) or other conductors with potential differences.

Disc insulators are also called suspension insulators. They are actually a piece of ceramic or glass with steel caps and iron feet at the upper and lower ends, which can be used in series.

As one of the important equipment of transmission lines, suspension insulators are responsible for the suspension of conductors and the insulation of iron towers. The suspension porcelain insulators produced are used on high-voltage, extra-high voltage and ultra-high voltage transmission lines around the world, and are used for transmission lines in various countries. Safe operation provides reliable version guarantee.

Suspended porcelain insulators are divided into two types: insulators for AC systems and porcelain insulators for DC systems.



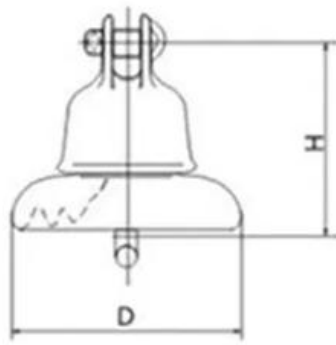


Fig1

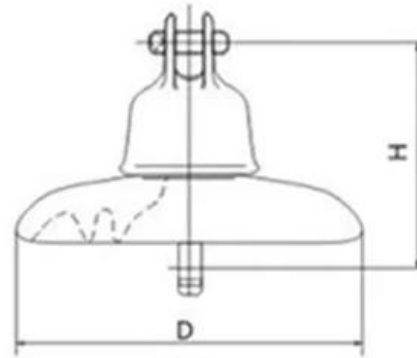


Fig2

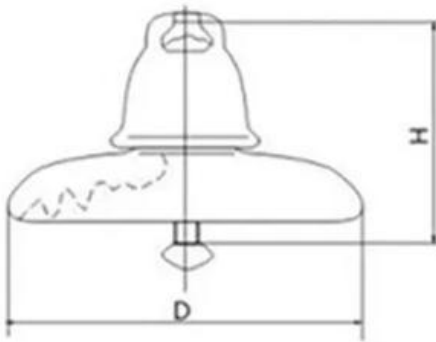


Fig3

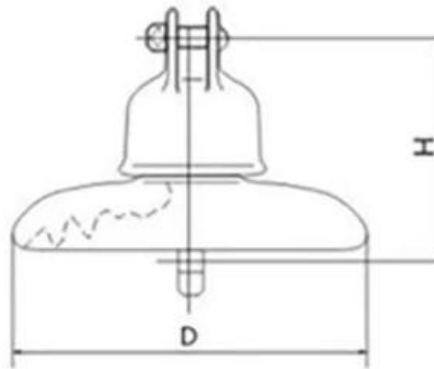


Fig4

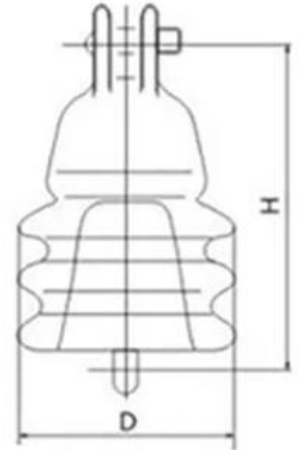


Fig5

Parameter

Class	U40C	U40B	U70BL	U70C	U70BS	U70BL
Fig. No.	1	2	3	4	3	3
Unit Spacing(H)-mm	140	110	146	146	127	146
Nominal Diameter(D)-mm	190	175	255	255	255	255
Coupling size		11	16AVB	16C	16A	16A/168
Nominal Creepage Distance-mm	200	185	295	295	295	320
Rated E&M Failing Load-KN	40	40	70	70	70	70
Routine Tensile Load-KN	20	20	35	35	35	35
Impact Strength-N.m	5	5	6	6	6	6
Power-Frequency Withstand	Wet-KV	30	30	40	40	40
	Dry-KV	55	55	70	70	70
Dry Lighting Impulse withstand Voltage-KV	75	75	110	110	110	110
Power-Frequency Puncture Voltage-KV	90	90	110	110	110	110
Radio Interference Test Voltage to Ground-KV	7.5	7.5	10	10	10	10
Voltage Max. RIV at 1MHz-uV	50	50	50	50	50	50
Weight-kg	2.5	2.4	4.8	4.7	4.7	5