

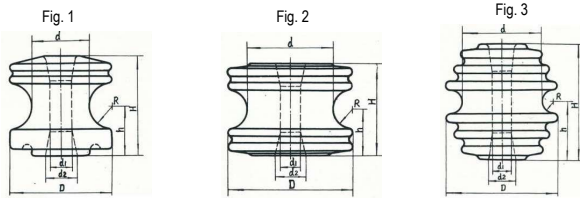


INSULATORS



SPOOL INSULATOR ANSI CLASS 53

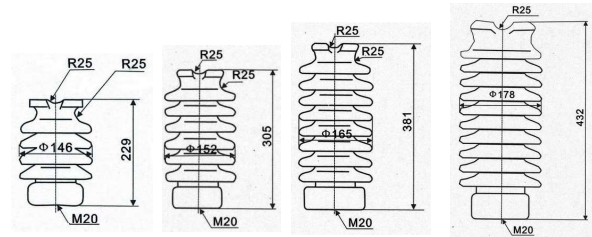
Insulators for low and medium voltage restricting the transfer of electricity. It applies to hold, isolate and rush off.



ANSI CLASS	Fig No	Main Dimensions mm							Transverse strength kN	Low Frequency Voltage kV		
		H	h	D	d	d1	d2	R		Dry flashover	Vertical	Horizontal
53-1	2	54	27	57	45	18	22	11	8.9	20	8	10
53-2	1	76	38	79	45	18	24	18	13.3	25	12	15
53-3	2	81	40.5	76	45	18	24	11	17.8	25	12	15
53-4	2	76	38	105	73	18	24	16	20	25	12	15
53-5	3	105	52.5	102	73	18	24	11	26.7	35	18	25

LINE POST INSULATORS ANSI CLASS 57 53

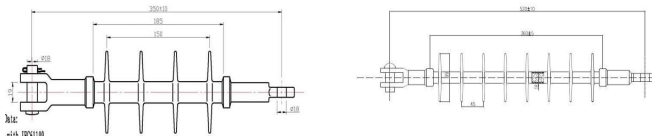
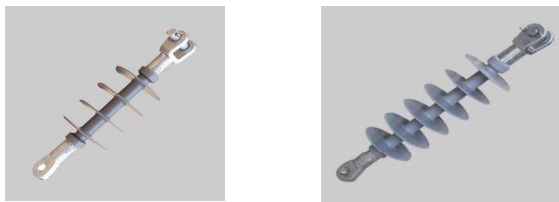
Insulators for medium and high voltage used in overhead distribution lines of electric energy with bare conductors.



ANSI CLASS	Distance mm	Cantilever strength kN	Power Frequency Flashover voltage		Critical Impulse Flashover voltage		Radio influence Voltage	
			Dry /kV	Wet /kV	Pos/kV	Neg/kV	Test voltaje to ground/kV	Máx.RIV 1MHz/uV
57-1L	356	165	12.5	70	120	155	15	100
57-2L	559	241	12.5	100	160	205	22	100
57-3L	737	311	12.5	125	200	260	30	200
57-4L	1016	368	12.5	140	230	340	44	200
57-5L	1143	430	12.5	160	265	380	44	200

POLYMER INSULATOR 15KV/35KV

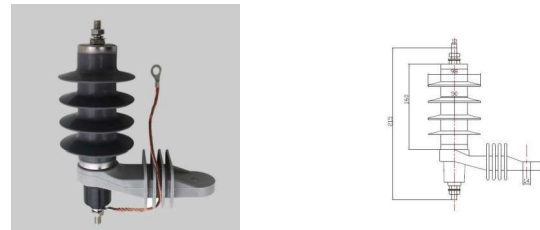
Insulators suspension and end anchor line, Sub-stations air of medium voltage electrical distribution.



Normal Tension	Dimensional		Mechanical Characteristics		Radioelectric Characteristics		Characteristics Electricas		
	Length	Flight Distance	Mechanics load	Torsion load	Tension Test R.I.V. to ground	Maximum level of radioelectric disturbance to 1MHz	Critical tension of 1 skirt to impulse (+) (kV) tip	Tension of 1 skirt to industrial frequency in dry	Tension of 1 skirt to industrial frequency under rain
15kv	≥315mm	≥350mm	4448.2 (daN)	47.45 Newton.m	15kv	10µV	≥140KV	≥90KV	≥65KV
35kv	≥525mm	≥730mm	4448.2 (daN)	47.45 Newton.m	30kv	10µV	≥250KV	≥145KV	≥130KV

LIGHTNING ROD 9KV/11KV

Surge lightning arrester used to protect distribution transformer, cable connector and electrical equipment.



Nominal Tension	Dimensional		Electrical characteristics								
	Flight distance (metal-metal)	U _n Nominal Tension	Continuous U _c - maximum tension on watch (MCOV)	Maximum residual stress with wave 8/20 U.S. -10kA	TOV a 0.02 Seg	1.0 TOV a Seg	TOV a 2000 Seg	Frequency	Basic level of insulation to the impulse	Bearable tension to LF in dry 1 min	Current of unloading
9kV/ 11kV	≥330.2 mm	10kv	8.4kv	≤33.0 kv	≥1.70 MCOV	≥1.55 MCOV	≥1.32 MCOV	60 Hertz	75 kV, tope	27 kV, tope	10KA