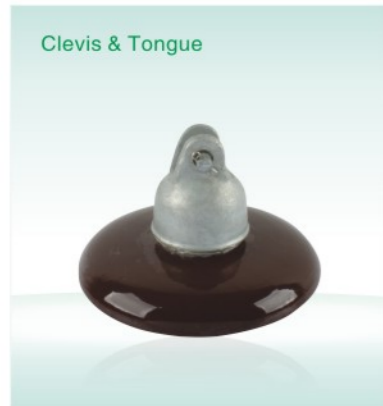
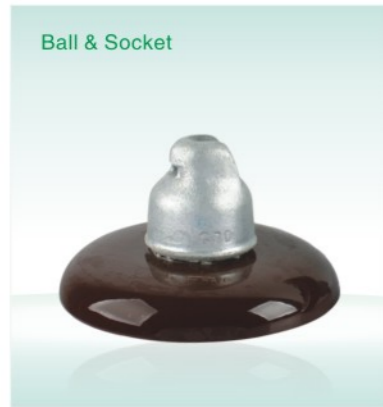




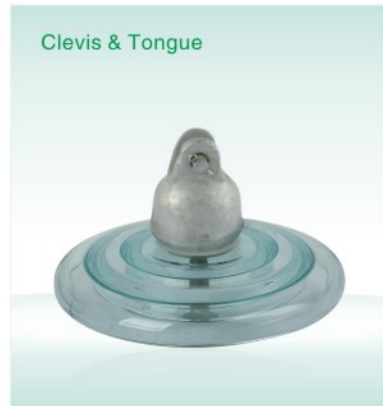
Suspension (Disc) Insulator



Clevis & Tongue



Ball & Socket

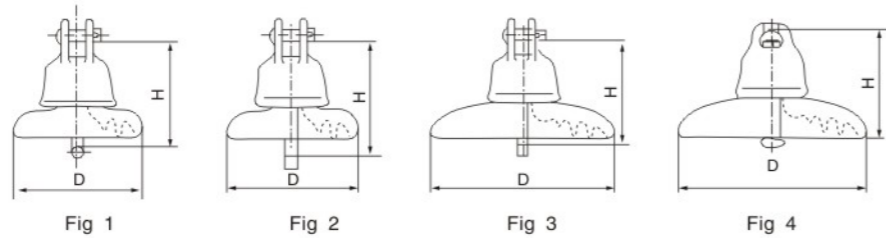


Clevis & Tongue



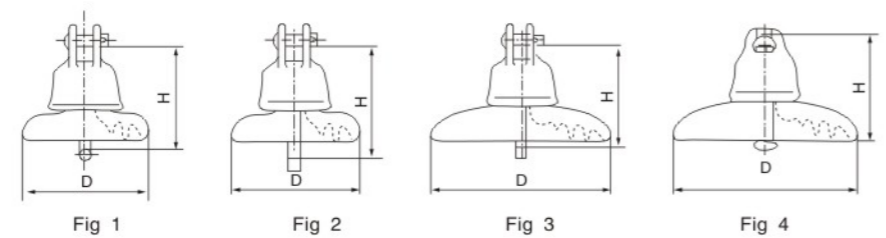
Ball & Socket

Porcelain Suspension Insulator



ANSI Class	Fig No.	Main Dimension (mm)		Creepage Distance (mm)	Combined M & E Strength lb (mm)	Mechanical Impact Strength Im-lb (N-m)	Long-Time Load Test Value lb (kN)	Average Flashover Voltage(kV)				Power Frequency Puncture Voltage (kV)	Radio Influence Voltage	
		D (Max)	H					Power Frequency	Critical Impulse		Test Voltage To Ground (kV)		MaX.RIV 1MHz(μ V)	
									Dry	Wet				Positive
52-1	1	6 1/2 (165)	5 1/2 (141)	7 (178)	10000 (44)	45 (5.0)	6000 (27)	60	30	100	100	80	7.5	50
52-2	2	8 (203)	5 3/4 (146)	8 1/4 (210)	15000 (67)	50 (5.5)	10000 (44)	65	35	115	115	90	7.5	50
52-3	4	10 3/4 (273)	5 3/4 (146)	11 1/2 (292)	15000 (67)	55 (6.0)	10000 (44)	80	50	125	130	110	10	50
52-4	3	10 3/4 (273)	5 3/4 (146)	11 1/2 (292)	15000 (67)	55 (6.0)	10000 (44)	80	50	125	130	110	10	50
52-5	4	10 3/4 (273)	5 3/4 (146)	11 (279)	25000 (111)	60 (7.0)	15000 (67)	80	50	125	130	110	10	50

Glass Suspension Insulator



Type	LXP-70	LXP-100	LXP-120	LXP-160
Iec Standard Insulator	U70B/146	U100B/146	U120B/146	U160B/170
Minimum Mechanical Failing Load	70kN	100kN	120kN	160kN
High Spacing	146mm	146mm	146mm	170mm
Diameter	255mm	255mm	255mm	280mm
Leakage Distance	320mm	320mm	320mm	400mm
Ball And Socket Soupling	16	16	16	20
Stainless Steel Security Clip	W	W	W	W
Five Pieces Power Frequency Withstand Voltage For Unit	150kV/40kV	150kV/40kV	150kV/40kV	180kV/50kV
Five Pieces Lightning Impulse Withstand Voltage For Unit	420kV/100kV	420kV/100kV	420kV/100kV	450kV/110kV
Power Frequency Puncture Voltage	130kV	130kV	130kV	130kV
Radio Influence Voltage	50μV	50μV	50μV	50μV
Electric Iron Visual Test	18kV/22kV	18kV/22kV	18kV/22kV	18kV/22kV
Impulse Puncture Voltage	2.8p.u	2.8p.u	2.8p.u	2.8p.u
Power Frequency Electric Arc Voltage	0.12s/20kA	0.12s/20kA	0.12s/20kA	0.12s/20kA
Net Weight Per Unit	3.6kg	4.0kg	4.2kg	6.5kg



Line Post Insulator



Vertical Type



Horizontal Type

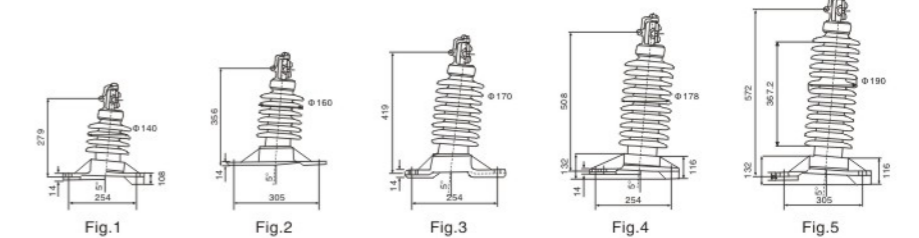


With Spindle



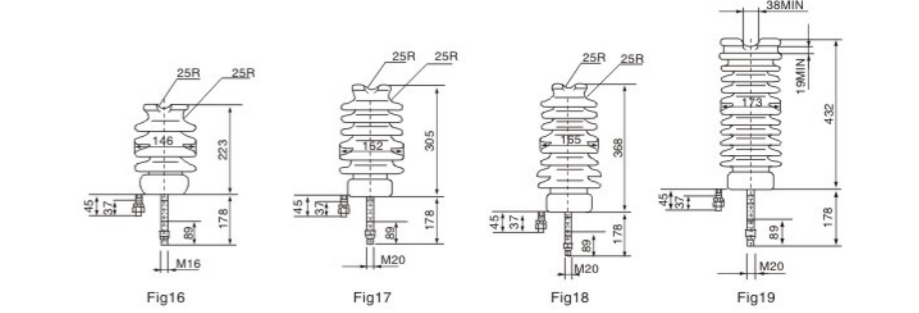
Without Spindle

Vertical & Horizontal Line Post Insulator



Cat.No	12031	12032	12033	12034	12035
ANSI CLASS	1	2	3	4	5
Fig No.	57-31	57-32	57-33	57-34	57-35
Creepage Distance(mm)	256	559	737	1016	1143
Dry Arcing Distance(mm)	165	241	311	368	438
Cantilever Strength(kN)	12.5	12.5	12.5	12.5	12.5
Low Frequency Dry Flashover(kV)	70	100	125	140	160
Low Frequency Wet Flashover(kV)	50	70	95	110	130
Critical Impuse Flashover, Pos(kV)	120	160	200	230	265
Critical Impuse Flashover, Ncg(kV)	155	205	260	340	380
Test Voltage To Ground(kV)	15	22	30	44	44
Maximum RIV At 1000 KHZ (UV) 1000KHz	100	100	200	200	200
Applicable Standard	ANSI C29.7				

Line Post Insulator



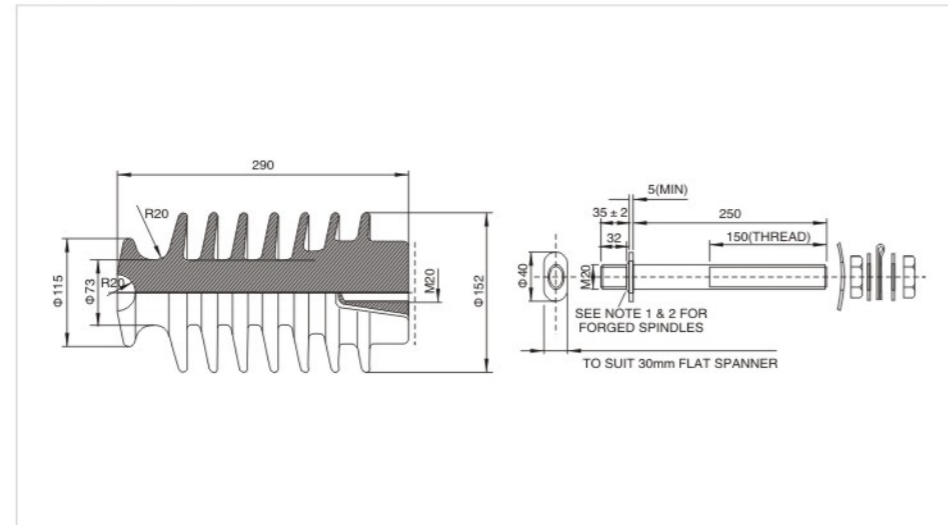
ANSI Class	Fig No.	Dimension Of The Pin (mm)	Creepage Distance (mm)	Dry Arcing Distance (mm)	Cantilever Strength (kN)	Low Frequency Flashover Voltage		Critical Impulse Flashover Voltage		Radio Influence Voltage Data		Weight (kg)
						Dry (kV)	Wet (kV)	Positive (kV)	Negative (kV)	Test Voltage To Ground(kV)	MaX.RIV At 1000KHz(μ V)	
57-1	16	M16	356	165	12.5	80	60	130	155	15	100	5
57-2	17	M20 (M16)	559	241	12.5	110	85	180	205	22	100	9.8
57-3	18	M20	737	311	12.5	125	100	210	260	30	200	12
57-4	19	M20	1015	368	12.5	150	125	255	340	44	200	16



Post & Pin Insulator

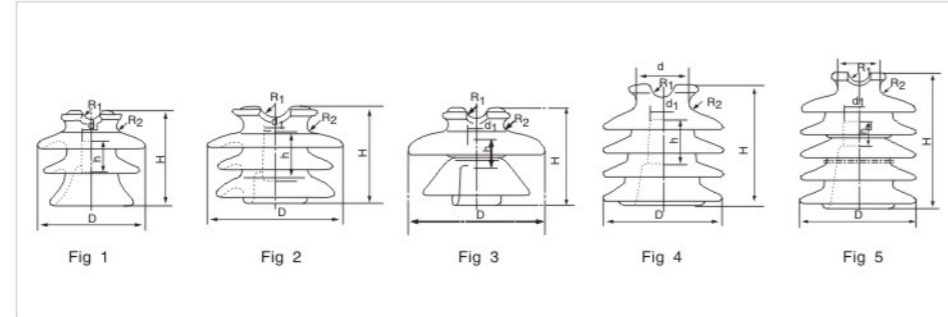


Post Insulator



Model No.	Nominal Voltage (kV)	Overall Length L(mm)	Largest Shed Dia. D(mm)	Number Of Sheds	Nominal Creepage Distance (mm)	Bottom Fixing Diameter d (mm)	Top Fixing Diameter d1 (mm)	Top Groove Radius R (mm)	Cantilever Strength (kN)	Dry Arcing Distance (mm)	Power Frequency Flashover Dry (kV)	Power Frequency Flashover Wet (kV)	Power Frequency Withstand Dry (kV)	Power Frequency Withstand Wet (kV)	Impulse Voltage (BIL) (kV)	Impulse Flashover Positive (kV)	Impulse Flashover Negative (kV)	Weight (kg)
EP472-03	22	290	152	7	630	M20	73	20	4	290	124	84	121	76	183	187	362	7.1
EP480-00	33	373	170	7	786	M20	73	25	4	320	127	74	131	87	205	209	346	10.5
EP800-00	11	212	167	3	388	M20	73	20	10	210	81	46	72	41	128	134	213	5
EP1046-00	33	364	180	10	900	M20	73	20	6	189	161	123	146	85	230	238	410	15

Pin Insulator



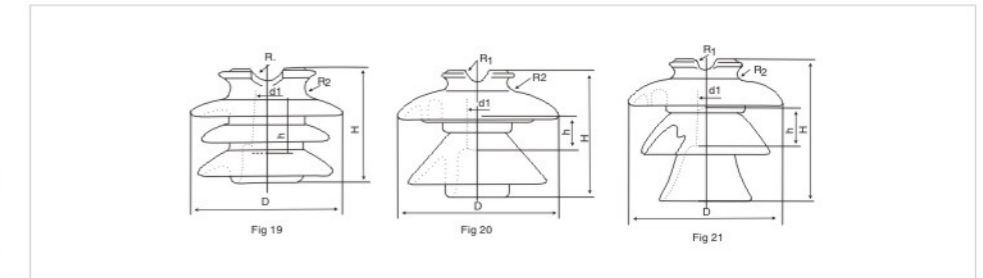
Model No.	Fig No.	Main Dimension(mm)								Creepage Distance (mm)	Cantilever Strength (kN)	Withstand Voltage			Radio Influence Voltage		Used Spindle
		D	H	d1	h	R1	R2	d	One Minute Wet Power Frequency Withstand Voltage(kV)			Dry Impulse Withstand Voltage(peak) (kV)	Power Frequency Puncture Voltage (kV)	Test Voltage To Ground (kV)	Max.RIV At 1 MHz (μ V)		
p-11-y	1	140	133	18.29	48	13	9.5		240	10.6	45	80	135	15	8000/100	Small Steel Head	
p-15-y	1	152	137	18.29	48	13	12.7		298	11	50	95	150	15	8000/100	Small Steel Head	
p-22-y	2	230	165	27.78	52.63	19	14.3		432	11	70	125	200	22	12000/100	Large Steel Head	
p-33-y	3	279	244	27.78	52.63	19	13		630	13.8	90	170	210	30	16000/100		
p=15-y	4	170	185		52.63	16	16	76	432	11	50	95	150	22	12000/100		
p=22-y	5	205	255		52.63	16	16	76	673	11	70	125	200	30	16000/100		
p=33-y	5	240	320		52.63	16	16	76	851	11	90	170	210	44	25000/100		



Pin Insulator & Spindle

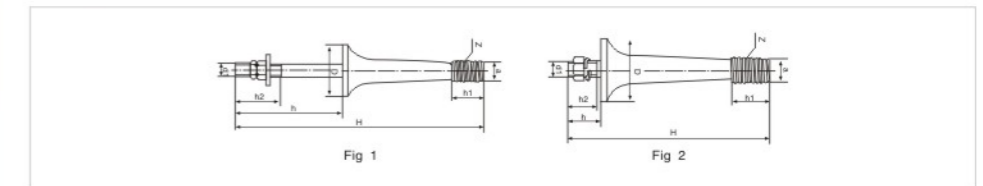


Pin Insulator



Model No.	Fig No.	Main Dimension(mm)								Creepage Distance (mm)	Min.Pin Length In (mm)	Cantilever Strength (kN)	Flashover Voltage				Radio Influence Voltage	
		D	H	d1	h	R1	R2	d	Power Frequency Dry (kV)				Power Frequency Wet (kV)	Impulse Positive (kV)	Impulse Negative (kV)	Power Frequency Puncture Voltage (kV)	Test Voltage To Ground (kV)	Max.RIV At 1 MHz (μ V)
56-1	19	7 1/2 (191)	5 3/4 (146)	3 1/2 (89)	1 3/8 (35)	2 3/4 (51)	3/4 (19)	9/16 (14)	13 (330)	6 (152)	2500 (11)	95	60	150	190	130	15	100
56-2	19	9 (229)	6 1/2 (165)	4 (102)	1 3/8 (35)	2 3/4 (51)	3/4 (19)	9/16 (14)	17 (432)	7 (178)	3000 (13.2)	110	70	175	225	145	22	100
56-3	20	10 1/2 (267)	7 1/2 (191)	4 (102)	1 3/8 (35)	2 3/4 (51)	3/4 (19)	9/16 (14)	21 (533)	8 (203)	3000 (13.2)	125	80	200	265	165	30	200
56-4	20	12 (305)	9 1/2 (241)		1 3/8 (35)	2 3/4 (51)	3/4 (19)	9/16 (14)	27 (685)	10 (254)	3000 (13.2)	140	95	225	310	185	30	200
56-5	21	13 1/2 (343)	12 1/2 (318)		1 3/8 (35)	2 3/4 (51)	3/4 (19)	9/16 (14)	34 (864)	12 (305)	3000 (13.2)	175	125	270	340	225	44	200

Spindle for Pin Insulator

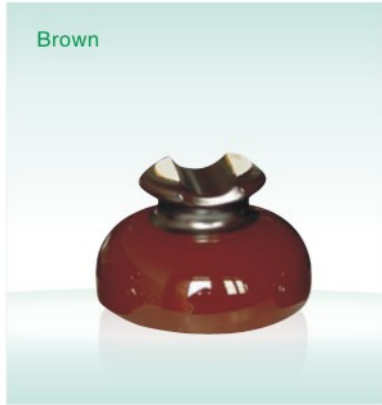


Model No.	Fig No.	Main Dimension(mm)								Mechanical Strength (kN)	Class ANSI	Weight (kg)
		H	D	h	h1	h2	a	d1				
C110M	1	331	76	178	51	76	34.9	20	1132	56-1	1.9	
C111M	1	356	76	178	51	76	34.9	20	998	56-2	2.2	
C112M	1	407	89	178	51	76	34.9	20	1080	56-3	2.5	
C113M	1	432	89	178	51	76	34.9	20	953	56-4	3.25	
C114M	1	343	45	165	51	76	34.9	20	680	56-2	1.6	
C115J	2	198	76	45	51	40	34.9	20	1132	56-1	1.54	
C116T	2	223	76	45	51	40	34.9	20	998	56-2	1.87	
C117T	2	274	89	45	51	40	34.9	20	1089	56-3	2.17	
C118T	2	299	89	45	51	40	34.9	20	952	56-4	2.7	
C119T	2	223	45	45	51	40	34.9	20	680	56-2	1.3	
C120M	1	356	76	76	51	70	34.9	16	540	56-2	1.9	

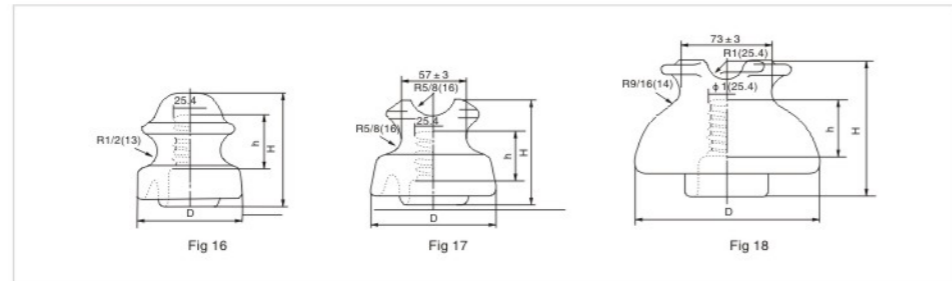
Zinc Screw Thread Insulators Zinc Sleeves Connector Need To Follow The Ansi Zinc Crew Thread (ANSI C29.6-1969.1 3/8")



Pin & Stay Insulator

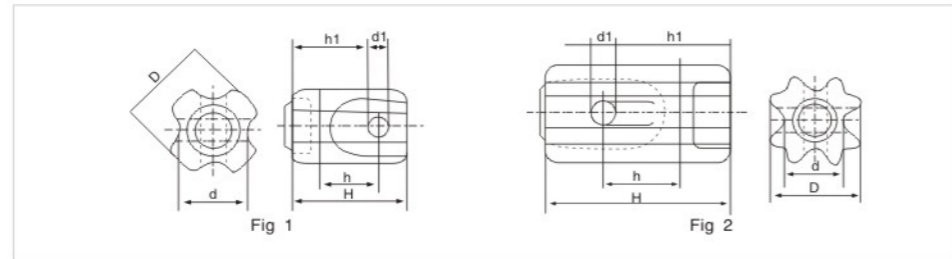


Pin Insulator



ANSI Class	Fig No.	Main Dimension(mm)			Creepage Distance In (mm)	Min. Pin Length In (mm)	Cantilever Strength Lb (kN)	Flashover Voltage				Radio Influence Voltage		
		D	H	h				Power Frequency		Impulse		Power Frequency Puncture Voltage (kV)	Test Voltage To Ground (kV)	Max. RIV At 1 MHz (µV)
								Dry (kV)	Wet (kV)	Positive (kV)	Negative (kV)			
55-1	16	3 1/4 (83)	3 1/2 (89)	1 3/4 (44)	4 (102)	4 (102)	3000 (13)	35	20	50	70	50	5	2500/50
55-2	17	3 3/4 (95)	3 1/4 (83)	1 1/2 (38)	5 (127)	4 (102)	2500 (11)	50/45	25	75/70	95/85	70	5	2500/50
55-3	18	4 3/4 (121)	3 3/4 (95)	1 1/2 (38)	7 (178)	5 (127)	2500 (11)	65/55	35/30	100/90	130/110	90	10	5500/50
55-4	18	5 1/2 (140)	4 3/8 (111)	1 3/4 (44)	9 (229)	5 (127)	3000 (13)	70/65	40/35	110/105	140/130	95	10	5500/50
55-5	18	7 (178)	4 7/8 (124)	2 (51)	12 (305)	6 (152)	3000 (13)	85/80	45	140/130	170/150	115	15	8000/100

Stay Insulator



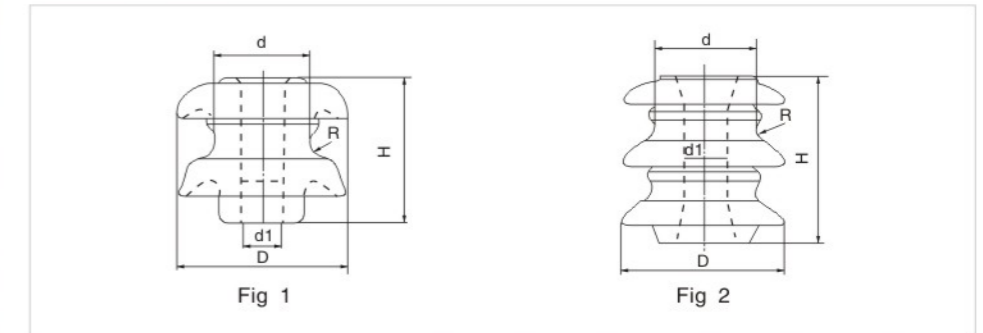
Cat.No.	10521	10522	10523	10524	10525	10526
Fig No.	1	2	1	1	1	2
Class ANSI	J-4.5	J-9	54-1	54-2	54-3	54-4
Main Dimensions (mm)	H	90	172	88	108	140
	h1	60	110	64	76	103
	D	64	80	64	73	86
	d	45	60	44	54	60
	d1	14	25	16	22	25
Mechanical Strength (kN)		42	90	44	53	89
		42	90	44	53	89
Leakage Distance (mm)	/	/	41	47	57	76
Flashover Voltage	Dry(kV)	/	/	25	30	35
	Wet(kV)	/	/	12	15	18
Weight(kg)	0.40	2	0.43	0.63	1.2	2



Shackle & Spool Insulator

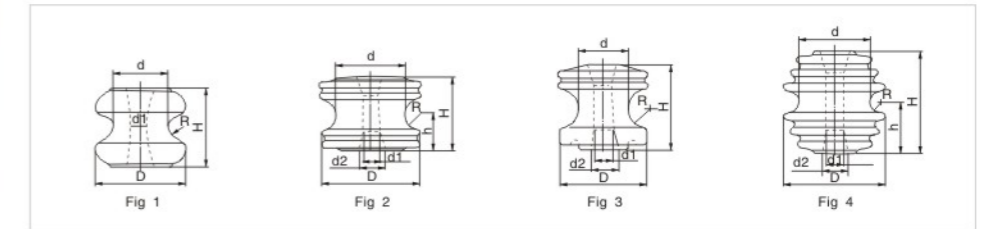


Shackle Insulator



Cat.No.	10508	10509	10510	10511	10512	10513	
Fig No.	2	1	1	1	1	1	
Class BS	ED-2(C)	ED-2(B)	ED-2(B)	ED-1	ED-2	ED-3	
Main Dimension (mm)	H	80	76	76	90	75	
	D	80	89	89	100	80	
	d	50	48	48	50	42	
	d1	22	21	17.5	22	20	
	R	6	10	10	12	10	
Failing Load	13	12	12	12	10	8	
Minimum Flashover Voltage	Power Frequency	Dry(kV)	25	25	25	22	18
		Wet(kV)	15	12	12	10	9
Weight(kg)		0.5	0.5	0.5	0.8	0.6	

Spool Insulator



Cat.No.	10506	10507	10501	10502	10503	10504	10505
Fig No.	1	1	2	3	2	2	4
Type	1617	1618	53-1	53-2	53-3	53-4	53-5
Mechanical Strength(kN)	9	13	9	13	18	20	27
Low Frequency Dry Flashover Voltage(kV)	20	20	20	25	25	25	35
Low Frequency Wet	Vertical (kV)	1	1	8	12	12	18
		Flashover Voltage	Horizontal (kV)	9	10	10	15
Dimension (mm)	H			65	75	54	76
	D	76	89	57	79	76	105
	d	46	55	44	44	44	73
	d1	17.6	17	17.5	17.5	17.5	17.5
	R	9	12.5	11	17.5	11	16
Net Weight, Each, Approx.(kg)	0.4	0.6	0.2	0.5	0.6	1.05	1.2