

DISC SUSPENSION PORCELAIN INSULATORS (ANSI)

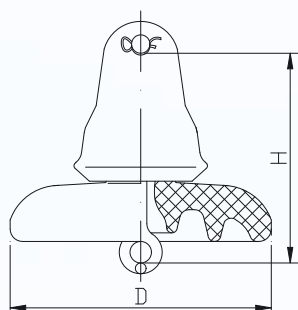


FIG. 1

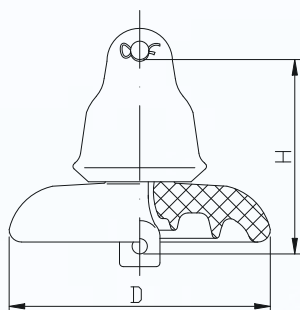


FIG.2

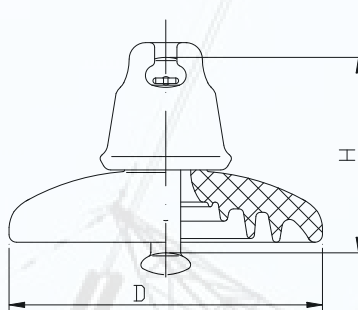


FIG.3

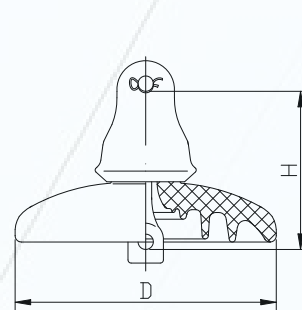


FIG.4

Cat. No.		0101044	0101087	0101067-1	0101087-2	0101111
Class		52-1	52-2	52-3	52-4	52-5
Fig. No.		1	2	3	4	3
Unit Spacing (H)-mm		140	146	146	146	146
Nominal Diameter (D)-mm		160	200	255	255	255
Leakage Distance-mm		178	210	292	292	279
Dry Arcing Distance-mm		114	154	197	197	197
Combined E & M Strength-KN		44	67	67	67	111
Tension Proof Test load-KN		22	33.5	33.5	33.5	55.5
Mechanical Impact Strength-N.m		5.0	5.5	6	6	7
Time Load Test Value-KN		26	40	44.5	44.5	67
Power Frequency Flashover	Wet-KV	30	35	50	50	50
	Dry-KV	60	65	80	80	80
Critical Impulse Flashover Voltage	Positive-KV	100	115	125	125	125
	Negative-KV	100	115	130	130	130
Low Frequency Puncture Voltage-KV		80	90	110	110	110
Radio Interference Voltage	Test Voltage to Ground-KV	7.5	7.5	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50
Weight-kg		2.5	3.6	4.6	4.9	5.6

DISC SUSPENSION PORCELAIN INSULATORS

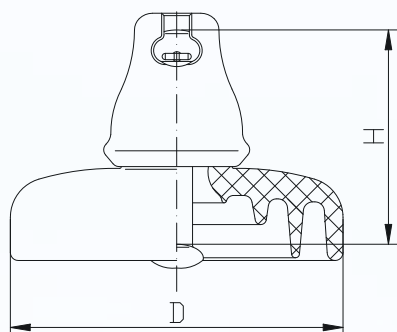


FIG.1

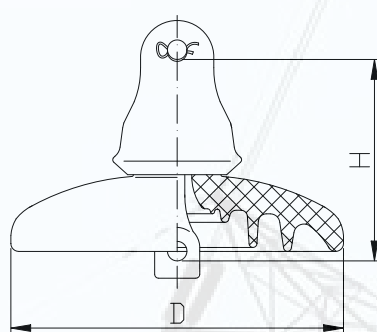


FIG.2

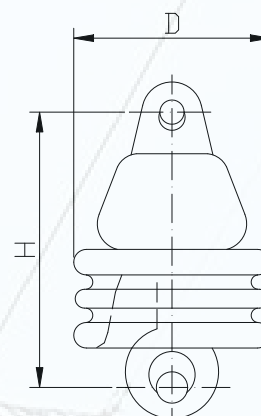


FIG.3

Cat. No.		0101111-1	0101160	0101160-1	0101044-1
Class		52-6	52-8	52-10	52-9-A
Flg.No.		2	1	2	3
Unit Spacing (H)-mm		146	146	146	159
Nominal Diameter (D)-mm		255	255	255	108
Leakage Distance-mm		279	279	279	171
Dry Arcing Distance-mm		197	197	197	--
Combined E & M Strength-KN		111	160	160	44
Tension Proof Test load-KN		55.5	80	80	22
Mechanical Impact Strength-N.m		7.0	10	10	5.0
Time Load Test Value-KN		67	96	96	26
Power Frequency Flashover	Wet-KV	50	50	50	30
	Dry-KV	80	80	80	60
Critical Impulse Flashover Voltage	Positive-KV	125	125	125	90
	Negative-KV	130	130	130	100
Low Frequency Puncture Voltage-KV		110	110	110	80
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	7.5
	Max. RIV at 1MHz-uV	50	50	50	50
Weight-kg		5.6	6.7	6.7	2.5

DISC SUSPENSION PORCELAIN INSULATORS

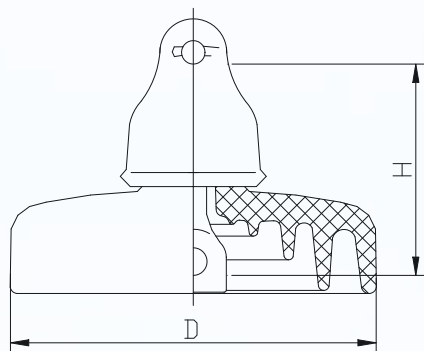


FIG.1

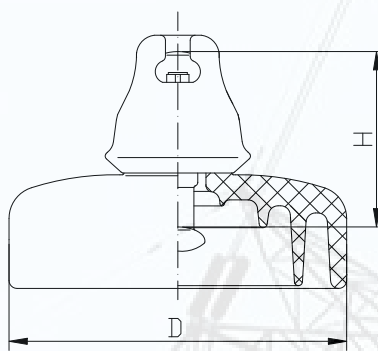


FIG.2

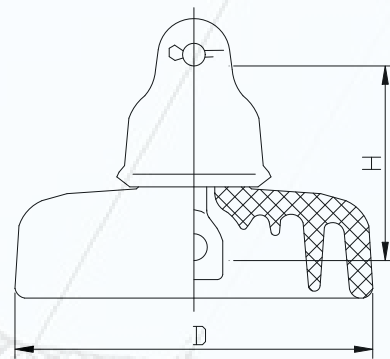


FIG.3

Cat. No.		0101089	0101089-1	0101133	0101133-1	0101160	0101160-1
Class		52-3	52-4	52-5	52-6	52-8	52-10
Fig. No.		2	1	2	3	2	3
Unit Spacing (H)-mm		146	146	146	146	159	165
Nominal Diameter (D)-mm		255	255	255	255	255	255
Leakage Distance-mm		432	432	432	432	432	432
Dry Arcing Distance-mm		229	203	216	203	216	203
Combined E & M Strength-KN		89	89	133	133	160	160
Tension Proof Test load-KN		44.5	44.5	67	67	80	80
Mechanical Impact Strength-N.m		10	10	10	10	10	10
Time Load Test Value-KN		53	53	80	80	107	107
Power Frequency Flashover	Wet-KV	50	50	50	50	50	50
	Dry-KV	80	80	80	80	80	80
Critical Impulse Flashover Voltage	Positive-KV	125	125	125	125	125	125
	Negative-KV	130	130	130	130	130	130
Low Frequency Puncture Voltage-KV		120	120	120	120	120	120
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50	50
Weight-kg		6.2	6.2	7.3	6.8	8.6	9.1

NORMAL TYPE DISC SUSPENSION PORCELAIN INSULATORS (IEC)

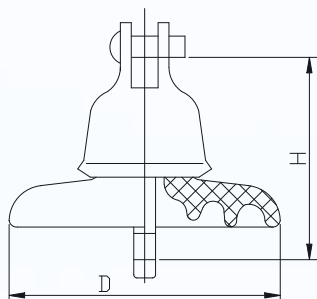


FIG.1

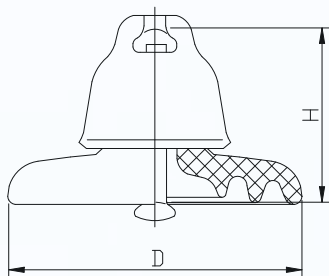


FIG.2

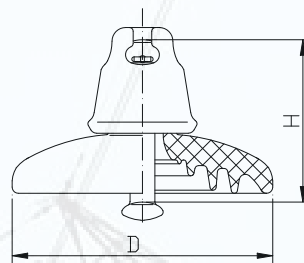


FIG.3

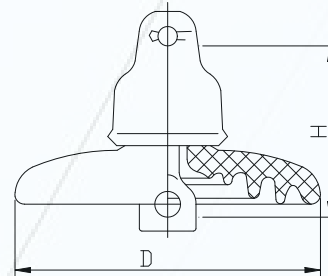


FIG.4

Cat No.		0104040C	0104040B	0104070BL	0104070C	0104070BS	0104070-09
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	16A/B	16C	16A	16A/16B
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	40
	Dry-KV	55	55	70	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 Voltage	Test Voltage to Ground-KV	7.5	7.5	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50	50
Weight-kg		2.5	2.4	4.8	4.7	4.7	5.0

NORMAL TYPE DISC SUSPENSION PORCELAIN INSULATORS

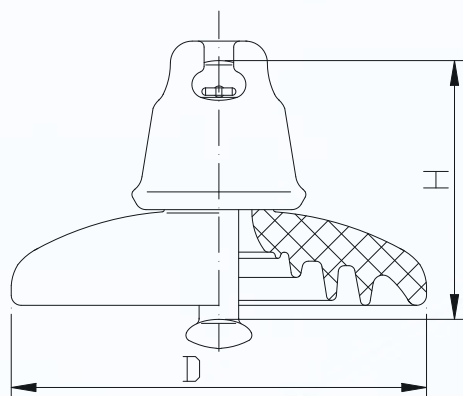


FIG.1

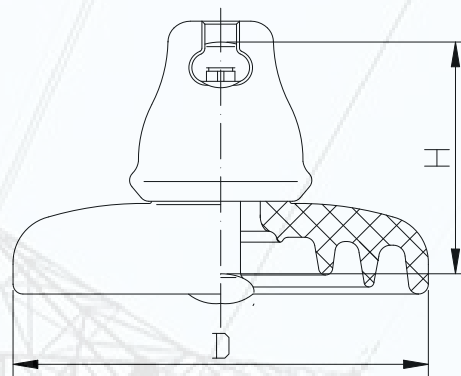


FIG.2

Cat. No.		0104080BL	0104080BS	0104100BL	0104100BL-1	0104120B
Class		U80BL	U80BS	U100BL	U100BL	U120B
Fig. No.		1	1	2	2	2
Unit Spacing (H) - mm		146	140	146	146	146
Nominal Diameter (D) -mm		255	255	255	280	255
Coupling size		16A/B	16A/B	16A/B	16A/B	16A/B
Nominal Creepage Distance-mm		295	295	295	340	320
Rated E & M Failing Load-KN		80	80	100	100	120
Routine Tensile Load-KN		40	40	50	50	60
Impact Strength-N.m		6	6	7	7	7
Power Frequency Withstand	Wet-KV	40	40	40	40	40
	Dry-KV	70	70	70	70	70
Dry Lighting Impulse Withstand Voltage-KV		110	110	110	110	110
Power Frequency Puncture Voltage-KV		110	110	110	110	110
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50
Weight-kg		5.4	5.2	5.7	6.2	5.8

NORMAL TYPE DISC SUSPENSION PORCELAIN INSULATORS

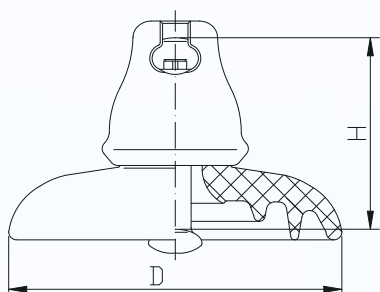


FIG.1

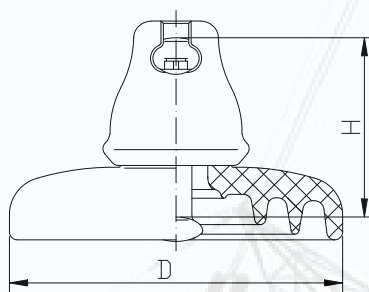


FIG.2

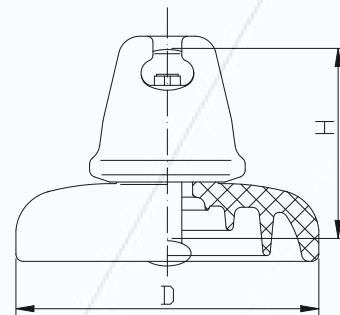


FIG.3

Cat. No.		0104160BL	0104160BS	0104160BS-1	0104160BL-1	0104160BL-2
Class		U160BL	U160BS	U160BS	U160BL	U160BL
Fig. No.		1	1	1	2	3
Unit Spacing (H) -mm		255	255	280	300	255
Coupling size		20	20	20	20	20
Nominal Creepage Distance-mm		305	320	315	400	390
Rated E& M Failing Load-KN		160	160	160	160	160
Routine Tensile Load-KN		80	80	80	80	80
Impact Strength -N.m		10	10	10	10	10
Power Frequency Withstand	Wet-KV	40	40	45	45	40
	Dry-KV	70	70	75	75	70
Dry Lighting Impulse Withstand Voltage-KV		110	110	110	110	110
Power Frequency Puncture Voltage – KV		110	110	110	110	110
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50
Weight -kg		7.0	7.2	7.6	8.3	7.6

FOG TYPE DISC SUSPENSION PORCELAIN INSULATORS

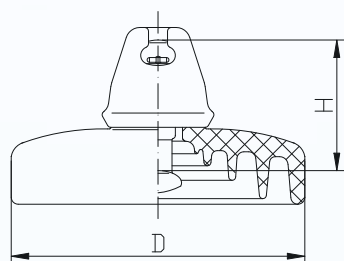


FIG. 1

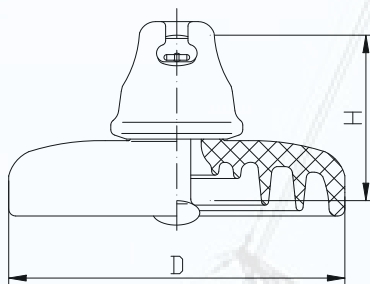


FIG.2

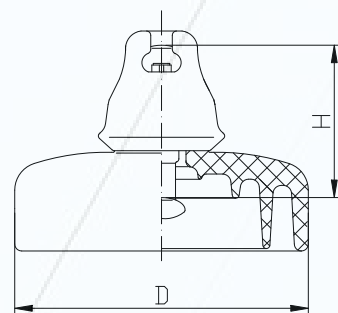


FIG.3

Cat. No.		0104070BLP	0104070BLP-1	0104080BLP	0104100BLP	0104100BLP-1
Class		U70BLP	U70BLP	U80BLP	U100BLP	U100BLP
Fig. No.		1	2	1	3	3
Unit Spacing (H)-mm		146	146	146	146	146
Nominal Diameter (D)-mm		255	280	255	255	255
Coupling size		16A/B	16A/B	16A/B	16A	16A
Nominal Creepage Distance-mm		432	440	432	432	440
Rated E&M Failing Load-KN		70	70	80	100	100
Routine Tensile Load -KN		35	35	40	50	50
Impact Strength-N.m		6	6	6	7	7
Power Frequency Withstand	Wet-KV	42	42	42	42	45
	Dry-KV	80	80	80	80	80
Dry Lighting Impulse Withstand Voltage-KV		120	120	120	120	120
Power Frequency Puncture Voltage-KV		120	120	120	120	120
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50
Weight-kg		6.5	6.7	6.6	7.9	7.6

FOG TYPE DISC SUSPENSION PORCELAIN INSULATORS

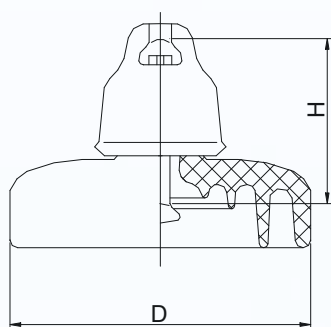


FIG.1

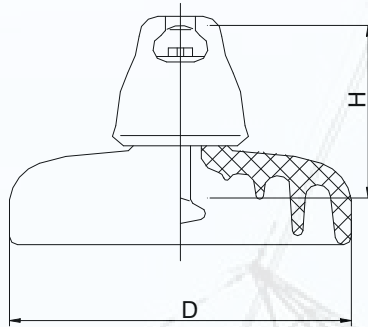


FIG.2

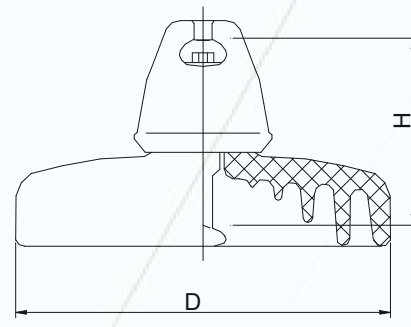


FIG.3

Cat. No.		0104120BP	0104120BP-1	0104160BP	0104160BSP	0104160BLP
Class		U120BP	U120BP	U160BO	U160BSP	U160BLP
Fig. No.		1	1	2	2	3
Unit Spacing (H)-mm		146	146	155	146	170
Nominal Diameter (D)-mm		255	280	300	330	320
Coupling size		16A	16A	20	20	20
Nominal Creepage Distance-mm		432	440	450	440	525
Rated E&M Failing Load-KN		120	120	160	160	160
Routine Tensile Load -KN		60	60	80	80	80
Impact Strength-N.m		10	10	10	10	10
Power Frequency Withstand	Wet-KV	42	42	45	45	45
	Dry-KV	80	80	80	80	90
Dry Lighting Impulse Withstand Voltage-KV		120	120	120	120	135
Power Frequency Puncture Voltage-KV		120	120	130	130	130
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50
Weight-kg		7.9	7.6	10.3	10.4	11.5

ANTI-POLLUTION SUSPENSION PORCELAIN INSULATORS (DOUBLE-SHED)

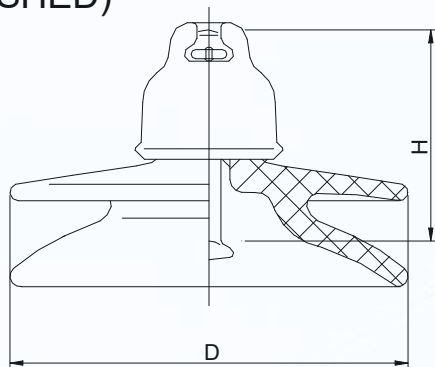


FIG.1

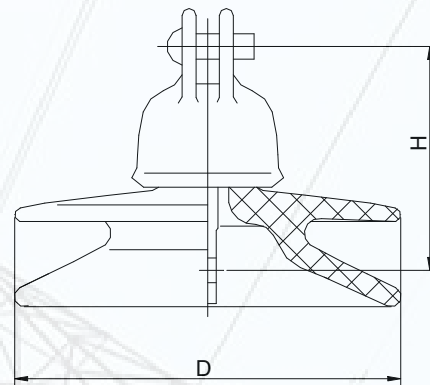
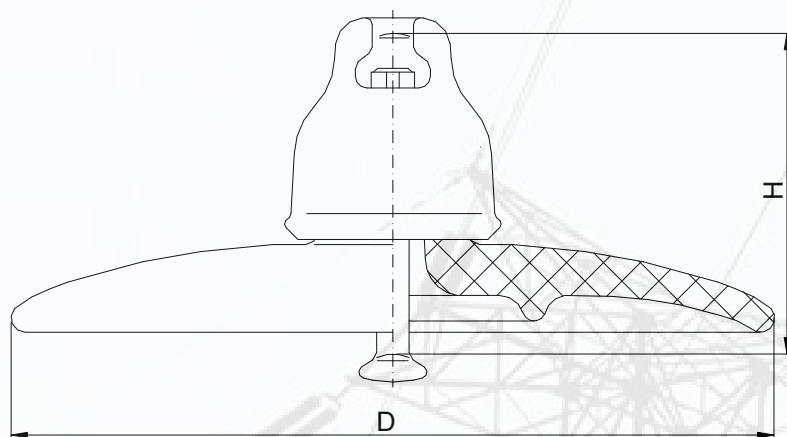


FIG.2

Cat. No.	010470BPW	010470CW	010470BPW-1	0104100BPW	0104120BPW	0104160BPW
Class	U70BP	U70C	U70BP	U100BP	U120BP	U160BP
Fig. No.	1	2	1	1	1	1
Unit Spacing (H)-mm	146	146	146	160	146	155
Nominal Diameter (D)-mm	255	255	280	280	280	300
Coupling size	16	16C	16	16A/B	16A	20
Nominal Creepage Distance-mm	400	400	450	450	450	450
Rated E&M Failing Load-KN	70	70	70	100	120	160
Routine Tensile Load -KN	35	35	35	50	60	80
Power Frequency Withstand	Wet-KV	42	42	45	45	45
	Dry-KV	80	80	80	80	80
Dry Lighting Impulse Withstand Voltage-KV		120	120	120	120	120
Power Frequency Puncture Voltage-KV		120	120	120	120	120
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50
Weight-kg		5.9	5.9	7.0	8.4	9.4

AERODYNAMIC SUSPENSION PORCELAIN INSULATOR



Cat. No.		0104070M	0104080M	0104100M	0104120M	0104160M
Unit Spacing (H)-mm		146	146	146	146	155
Nominal Diameter (D)-mm		350	330	360	360	360
Coupling size		16	16	16	16	20
Nominal Creepage Distance-mm		300	305	300	300	300
Rated E&M Failing Load-KN		70	80	100	120	160
Routine Tensile Load -KN		35	40	50	60	80
Power Frequency Withstand	Wet-KV	40	40	40	40	40
	Dry-KV	70	70	70	70	70
Dry Lighting Impulse Withstand Voltage-KV		105	95	105	105	105
Power Frequency Puncture Voltage-KV		120	120	120	120	120
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50
Weight-kg		6.0	5.7	7.2	7.2	8.1

NORMAL TYPE DISC SUSPENSION PORCELAIN INSULATORS

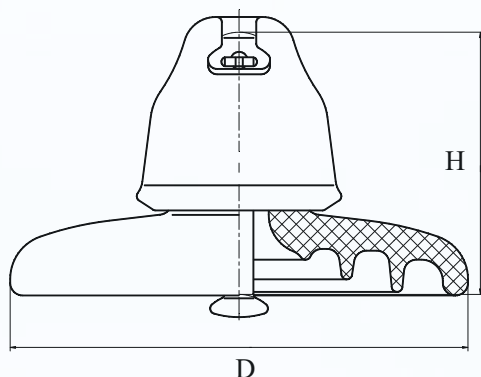


Fig 1

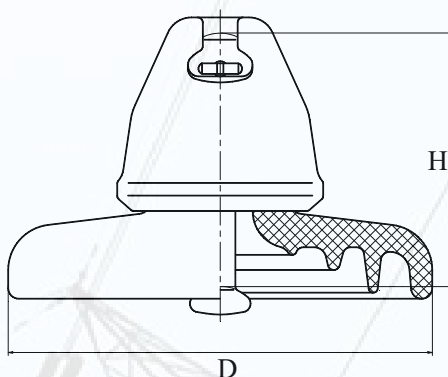


Fig 2

Cat. No.		0104210-01	0104210-02	0104210-03
Class		U210B	U210B	U210B
Fig. No.		1/2	2	1
Unit Spacing (H)-mm		170	170	170
Nominal Diameter (D)-mm		280	300	300
Coupling size		20/24	20/24	20
Nominal Creepage Distance-mm		335/380	370/400	330
Rated E&M Failing Load-KN		210	210	210
Routine Tensile Load -KN		105	105	105
Impact Strength-N.m		10	10	10
Power Frequency Withstand	Wet-KV	40/42	42	40
	Dry-KV	70/75	75	70
Dry Lighting Impulse Withstand Voltage-KV		105	110	105
Power Frequency Puncture Voltage-KV		120	120	120
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10
	Max. RIV at 1MHz-uV	50	50	50
Weight-kg		9.5/10.8	11	10.6

NORMAL TYPE DISC SUSPENSION PORCELAIN INSULATORS

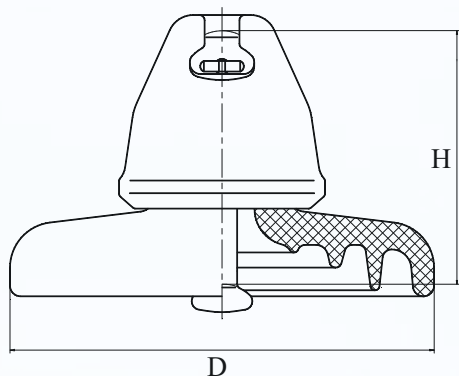


Fig 1

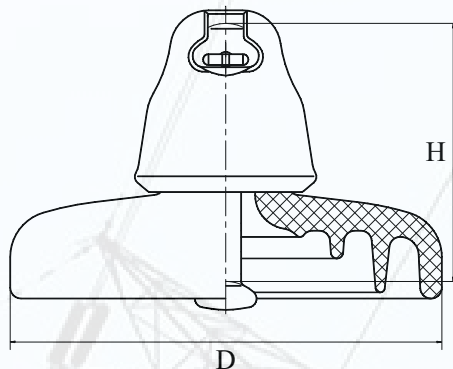


Fig 2

Cat. No.		0104240	0104300	0104400	0104530
Class		U240B	U300B	U400B	U530B
Fig. No.		1	1	2	2
Unit Spacing (H)-mm		170	195	205	240
Nominal Diameter (D)-mm		280	320	360	380
Coupling size		24	24	28	32
Nominal Creepage Distance-mm		405	370	525	600/700
Rated E&M Failing Load-KN		240	300	400	530
Routine Tensile Load -KN		120	150	200	265
Impact Strength-N.m		10	10	10	10
Power Frequency	Wet-KV	45	45	50	55
Withstand	Dry-KV	75	75	90	95
Dry Lighting Impulse Withstand Voltage-KV		110	110	140	140
Power Frequency Puncture Voltage-KV		120	120	130	140
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50
Weight-kg		11.4	13.5	20.4	23.5/27

ANTI-POLLUTION DISC SUSPENSION PORCELAIN INSULATORS

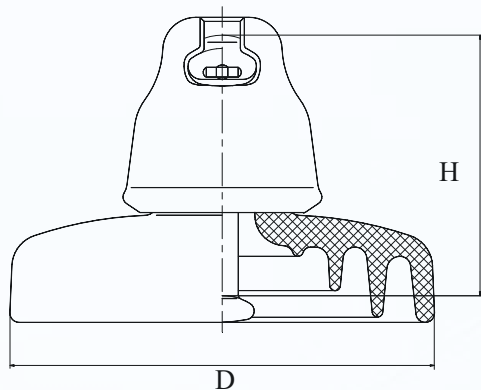


Fig 1

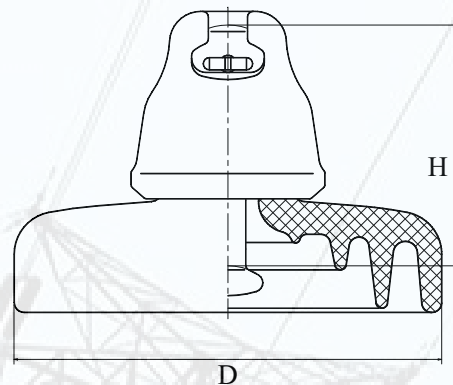
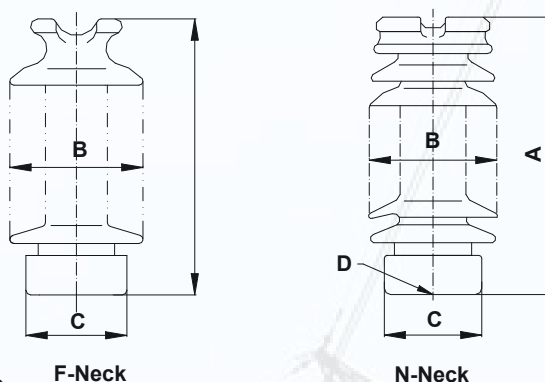


Fig 2

Cat. No.		0104210-XHP-01	0104210-XHP-02	0104240-XHP	0104300-XHP-01	0104300-XHP-02
Class		U210B	U210BP	U240BP	U300B	U300BP
Fig. No.		1	2	1	1	2
Unit Spacing (H)-mm		170	170	170	195	195
Nominal Diameter (D)-mm		300	330	320	320	380
Coupling size		20/24	20	24	24	24
Nominal Creepage Distance-mm		450/470	550	550	485/505	690
Rated E&M Failing Load-KN		210	210	240	300	300
Routine Tensile Load -KN		105	105	120	150	150
Impact Strength-N.m		10	10	10	10	10
Power	Wet-KV	45	55	55	45	60
Frequency Withstand	Dry-KV	80	90	90	80	100
Dry Lighting Impulse Withstand Voltage-KV		130	135	135	130	140
Power Frequency Puncture Voltage-KV		130	130	130	130	140
Radio Interference Voltage	Test Voltage to Ground-KV	10	10	10	10	10
	Max. RIV at 1MHz-uV	50	50	50	50	50
Weight-kg		12.5	14.6	15.5	14.6	21.4

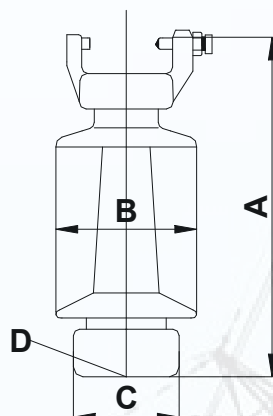
POECELAIN LINE POST INSULATOR



STANDARD PARTICULARS

Cat. No.			0301 020	0301 025	0301 035	0301 045	0301 055	0301 066	0301 088
Usual line voltage/kV			20	25	35	45	55	66	88
ANSI Class			—	57-1	57-2	57-3	57-4	57-5	57-6
Designation of Neck			F	F	F	F	N	N	N
Height" A"/in(mm)			7-1/2 (191)	8-3/4 (222)	12 (305)	14-1/2 (369)	17 (432)	20 (508)	23 (584)
Diameter "B"/in(mm)			5-1/2 (140)	5-3/4 (146)	5-3/4 (146)	6 (512)	7 (178)	7 (178)	7-5/16(185)
Diameter "C" /in(mm)			3-3/4 (95)	4 (102)	4 (102)	4-1/2 (114)	5 (127)	5 (127)	5-1/2 (140)
Thread "D" /in(mm)			3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	7/8-9UNC
Min. leakage distance/in(mm)			11 (280)	14 (356)	22 (559)	29 (737)	40 (1015)	45 (1145)	53 (1345)
Dry arcing distance/in(mm)			5-3/4 (146)	6-1/2 (165)	9-1/2 (241)	12-1/4 (311)	14-1/2 (368)	17-1/4 (438)	19-1/4(489)
Cantilever strength/lb(kN)			2000 (9)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)
Average flashover voltage	Low Frequency	Dry/kV	80	80	110	125	150	175	200
		Wet/kV	55	60	85	100	125	150	170
	Critical Impulse	Pos. /kV	105	130	180	210	255	290	330
		Neg. /kV	130	155	205	260	340	380	425
Withstand voltage	Low frequency	Dry/kV	60	60	90	100	120	140	160
		Wet/kV	40	45	65	80	100	120	135
	Impulse/kV		85	110	150	170	200	235	250
Radio influence voltage data	Test voltage/kV		15	15	22	30	44	44	44
	Max. RIV at 1,000kHz/uV		50	100	100	200	200	200	200
Net weight/lb(kg)			8.5 (3.9)	11 (5)	17 (7.7)	22 (10)	36 (16)	46 (21)	51 (23)

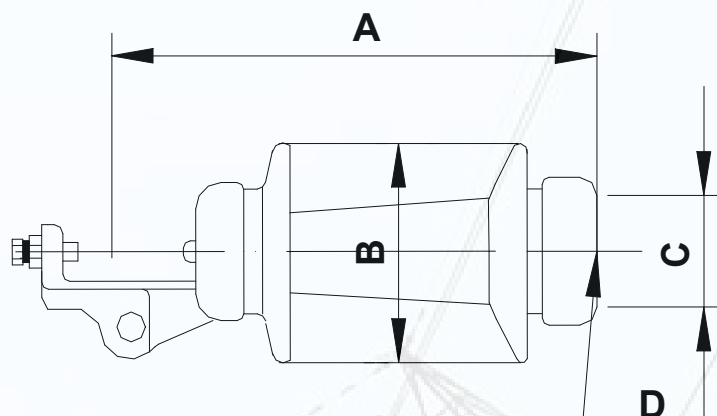
POECELAIN LINE POST INSULATOR



STANDARD PARTICULARS

Cat. No.			030102 5-01	030103 5-01	030104 5-01	030105 5-01	030106 6-01	030108 8-01
Usual line voltage/kV			25	35	45	55	66	88
ANSI Class			57-11	57-12	57-13	57-14	57-15	57-16
Height" A"/in(mm)			10-5/8 (270)	13-3/4 (349)	16-1/2 (419)	19 (483)	21-5/8 (549)	24-1/4 (616)
Diameter "B"/in(mm)			5-3/4 (146)	6 (152)	6 (152)	6-3/4 (172)	6-3/4 (172)	7-1/4 (185)
Diameter "C" /in(mm)			4 (102)	4-1/2 (114)	4-1/2 (114)	5 (127)	5 (127)	5-1/2 (140)
Thread "D" /in(mm)			3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	7/8-9 UNC
Min. leakage distance/in(mm)			14 (356)	22 (559)	29 (737)	14-1/2 (368)	17-1/4 (438)	19-1/4 (489)
Dry arcing distance/in(mm)			6-1/2 (165)	9-1/2 (241)	12-1/4 (311)	14-1/2 (368)	17-1/4 (438)	19-1/4 (489)
Cantilever strength/lb(kN)			2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)
Average flashover voltage	Low Frequency	Dry/kV	80	110	125	150	175	200
		Wet/kV	60	85	100	125	150	170
	Critical Impulse	Pos. /kV	130	180	210	255	290	330
		Neg. /kV	155	205	260	340	380	425
Withstand voltage	Low frequency	Dry/kV	60	90	100	120	140	160
		Wet/kV	45	65	80	100	120	135
	Impulse/kV		110	150	170	200	235	250
Radio influence voltage data	Test voltage/kV		15	22	30	44	44	44
	Max. RIV at 1,000kHz/uV		100	100	200	200	200	200
Net weight/lb(kg)			15 (6.8)	22 (10)	26 (11.8)	35 (15.9)	41 (18.6)	50 (22.7)

POECELAIN LINE POST INSULATOR

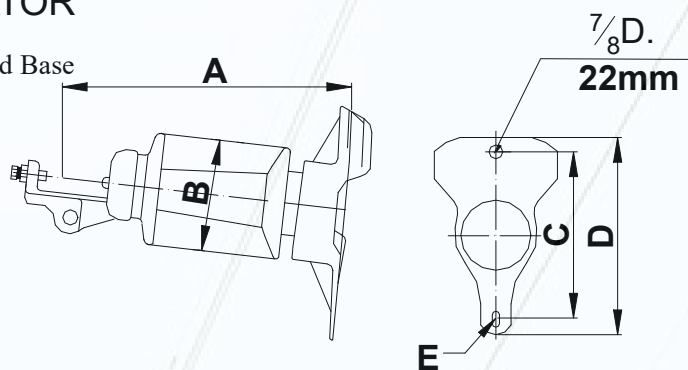


STANDARD PARTICULARS

Cat. No.			03010 20-01	03010 25-02	03010 35-02	03010 45-02	03010 55-02	03010 66-02	03010 88-02
Usual line voltage/kV			20	25	35	45	55	66	88
ANSI Class			-	57-21	57-22	57-23	57-24	57-25	57-26
Height" A"/in(mm)			10 (254)	11-3/8 (289)	14-1/2 (368)	17-1/4 (438)	19-3/4 (502)	22-3/8 (568)	25 (635)
Diameter "B"/in(mm)			5-1/2 (140)	5-3/4 (146)	6 (152)	6 (152)	6-3/4 (172)	6-3/4 (172)	7-1/4 (185)
Diameter "C" /in(mm)			4 (102)	4 (102)	4-1/2 (114)	4-1/2 (114)	5 (127)	5 (127)	5-1/2 (140)
Thread "D" /in(mm)			3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	3/4-10 UNC	7/8-9U NC
Min. leakage distance/in(mm)			10 (254)	14 (356)	22 (559)	29 (737)	40 (1015)	45 (1145)	53 (1345)
Dry arcing distance/in(mm)			5 (127)	6-1/2 (165)	9-1/2 (241)	12-1/4 (311)	14-1/2 (368)	17-1/4 (438)	19-1/4 (489)
Cantilever strength/lb(kN)			2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)
Average flashover voltage	Low Frequency	Dry/kV	70	80	110	125	150	175	200
		Wet/kV	65	70	100	115	135	160	180
	Critical Impulse	Pos. /kV	100	130	180	210	255	290	330
		Neg. /kV	125	155	205	260	340	380	425
Withstand voltage	Low frequency	Dry/kV	55	60	90	100	120	140	160
		Wet/kV	50	55	80	90	110	130	145
	Impulse/kV		80	110	150	170	200	235	250
Radio influence voltage data	Test voltage/kV		15	15	22	30	44	44	44
	Max. RIV at	1,000kHz/uV	50	100	100	200	200	200	200
Net weight/lb(kg)			13 (5.9)	16 (7.3)	22 (10)	28 (12.7)	36 (16.4)	42 (19.1)	52 (23.6)

POECELAIN LINE POST INSULATOR

Horizontal Mounting Clamp-top Type With Curved Base

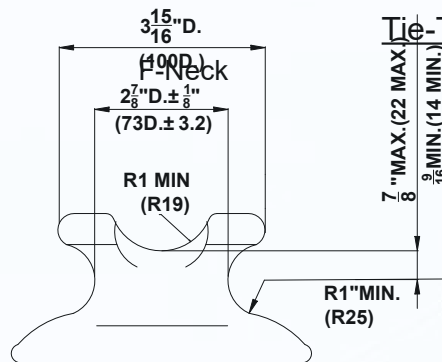


STANDARD PARTICULARS

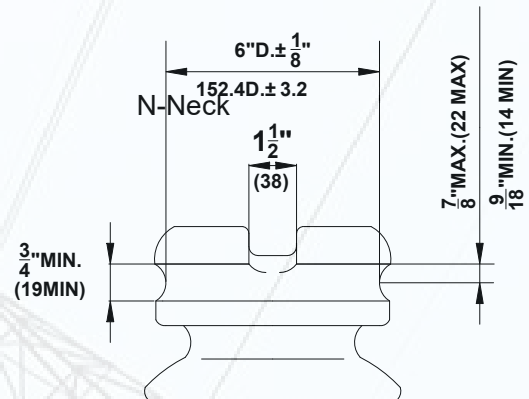
Cat. No.			030102 0-02	030102 5-03	030103 5-03	030104 5-03	030105 5-03	030106 6-03	030108 8-03
Usual line voltage/kV			20	25	35	45	55	66	88
ANSI Class			-	57-31	57-32	57-33	57-34	57-35	57-36
Height" A"/in(mm)			10-3/8 (264)	11-3/4 (298)	14-7/8 (378)	17-5/8 (448)	19-3/4 (502)	22-3/8 (568)	25 (635)
Diameter "B"/in(mm)			5-1/2 (140)	5-3/4 (146)	6 (152)	6 (152)	6-3/4 (172)	6-3/4 (172)	7-1/4 (185)
Length "C" /in(mm)			10 (254)	10 (254)	10 (254)	10 (254)	10 (254)	12 (305)	12 (305)
Length "D" /in(mm)			12 (305)	12 (305)	12 (305)	12 (305)	12 (305)	14 (356)	14 (356)
Slot Hole"E"/in(mm)			7/8x1-1/8 (22x29)	7/8x1-1/8 (22x29)	7/8x1-1/8 (22x29)	7/8x1-1/8 (22x29)	7/8x1-15/16 (22x24)	7/8x1-3/8 (22x30)	7/8x1-1/8 (22x29)
Min. leakage distance/in(mm)			10 (254)	14 (356)	22 (559)	29 (737)	40 (1015)	45 (1145)	53 (1345)
Dry arcing distance/in(mm)			5 (127)	6-1/2 (165)	9-1/2 (241)	12-1/4 (311)	14-1/2 (368)	17-1/4 (438)	19-1/4 (489)
Cantilever strength/lb(kN)			2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)	2800 (12.5)
Average flashover voltage	Low Frequency	Dry/kV	70	80	110	125	150	175	200
		Wet/kV	65	70	100	115	135	160	180
	Critical Impulse	Pos. /kV	100	130	180	210	255	290	330
		Neg. /kV	125	155	205	260	340	380	425
Withstand voltage	Low frequency	Dry/kV	55	60	90	100	120	140	160
		Wet/kV	50	55	80	90	110	130	145
	Impulse/kV		80	110	150	170	200	235	250
Radio influence voltage data	Test voltage/kV		15	15	22	30	44	44	44
	Max. RIV at 1,000kHz/uV		50	100	100	200	200	200	200
Net weight/lb(kg)			18 (8.2)	20 (9.1)	26 (11.8)	32 (14.6)	42 (19.1)	54 (24.5)	61 (27.7)

POECELAIN LINE POST INSULATOR

Details of Top and Base



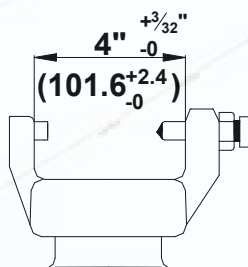
Tie-Top Type



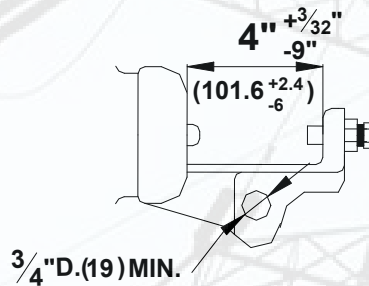
Top and side-wire groove
Shall a 1-15/16 inch(49.2mm)
diameter mandrel

Top wire groove
shall a 1-7/16 inch (36.5mm)
diameter mandrel

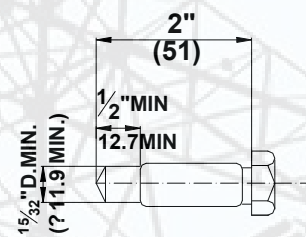
Vertical-Clamp



Clamp-Top Type Horizontal-Clamp

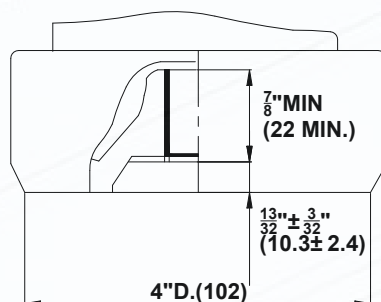


Trunnion Bolt

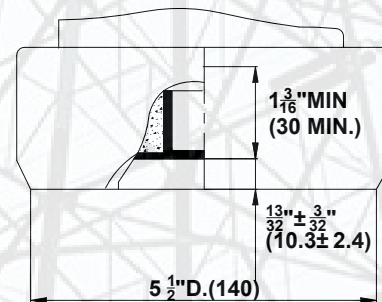


Base recess

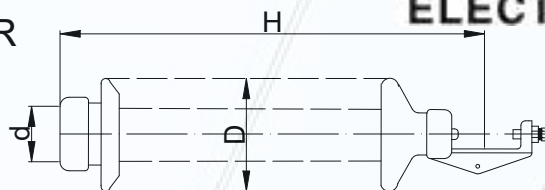
3/4-10UNC
(PD0.7077"-0.7000")



7/8-9UNC
(PD0.8260"-0.8178")



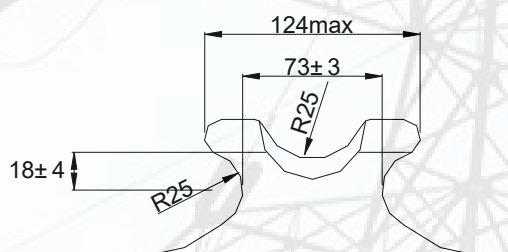
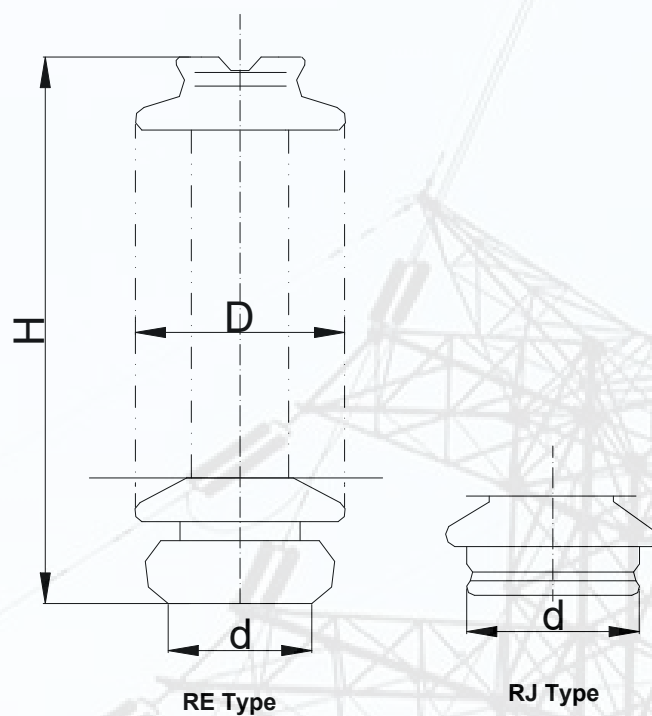
PORCELAIN LINE POST INSULATOR



STANDARD PARTICULARS

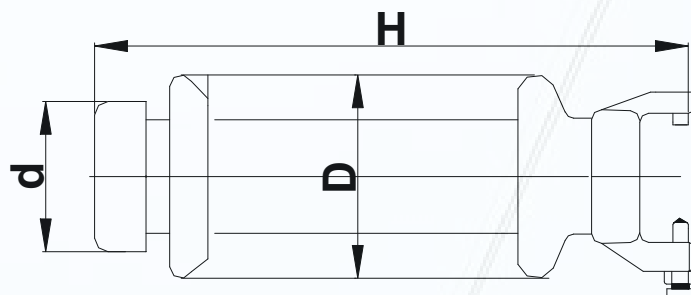
IEC Class	Lightning Impulse Withstand Voltage (KV)	Power Freq. Wet Withstand Voltage (kV)	Min. Creepage Distance (mm)	H (mm)	Min. nominal Dia. Of End Fitting d(mm)	Bolt Hole Dia. Of End Fitting	Max. Shed dia.D (mm)
R8 ET75L	75	28	250	190	90	M20	140
R8 JT75L							
R8 ET95L	95	38	350	222	90	M20	145
R8 JT95L							
R8 ET125L	125	50	530	305	90	M20	150
R8 JT125L							
R8 ET170L	170	70	720	370	90	M20	160
R8 JT170L							
R12.5 ET125N	125	50	400	305	100	M20	160
R12.5 JT125N							
R12.5 ET170N	170	70	580	370	110	M20	170
R12.5 JT170N							
R12.5 ET200N	200	85	620	430	120	M20	180
R12.5 JT200N							
R12.5 ET250N	250	95	860	510	120	M20	190
R12.5 JT250N							
R12.5 ET325N	325	140	1200	660	140	M24	200
R12.5 JT325N							
R12.5 ET75L	75	28	250	190	90	M20	160
R12.5 JT75L							
R12.5 ET95L	95	38	350	222	100	M20	165
R12.5 JT95L							
R12.5 ET125L	125	50	530	305	100	M20	170
R12.5 JT125L							
R12.5 ET170L	170	70	720	370	110	M20	180
R12.5 JT170L							
R12.5 ET200L	200	85	900	430	120	M20	190
R12.5 JT200L							
R12.5 ET250L	250	95	1140	510	120	M20	200
R12.5 JT250L							
R12.5 ET325L	325	140	1450	660	140	M24	210
R12.5 JT325L							

PORCELAIN LINE POST INSULATOR



Standard Head

PORCELAIN LINE POST INSULATOR



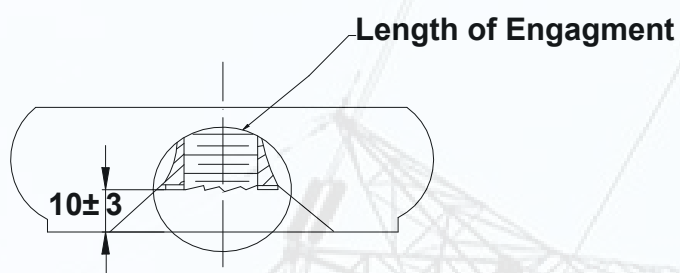
STANDARD PARTICULARS

IEC Class	Lightning Impulse Withstand Voltage (KV)	Power Freq. Wet Withstand Voltage (kV)	Min. Creepage Distance (mm)	H (mm)	Min. nominal Dia. Of End Fitting d(mm)	Bolt Hole Dia. Of End Fitting	Max. Shed dia.D (mm)
R12.5EC125N	125	50	400	350	100	M20	160
R12.5EH125N				370			
R12.5EC170N	170	70	580	420	110	M20	170
R12.5EH170N				440			
R12.5EC200N	200	85	620	495	120	M20	180
R12.5EH200N				515			
R12.5EC250N	250	95	860	570	120	M20	190
R12.5EH250N				590			
R12.5EC325N	325	140	1200	710	140	M24	200
R12.5EH325N				730			
R12.5EC75L	75	28	250	235	90	M20	160
R12.5EH75L				255			
R12.5EC95L	95	38	350	270	100	M20	165
R12.5EH95L				290			
R12.5EC125L	125	50	530	350	100	M20	170
R12.5EH125L				370			
R12.5EC170L	170	70	720	420	110	M20	180
R12.5EH170L				440			
R12.5EC200L	200	85	900	495	120	M20	190
R12.5EH200L				515			
R12.5EC250L	250	95	1140	570	120	M20	200
R12.5EH250L				590			
R12.5EC325L	325	140	1450	710	140	M24	210
R12.5EH325L				730			

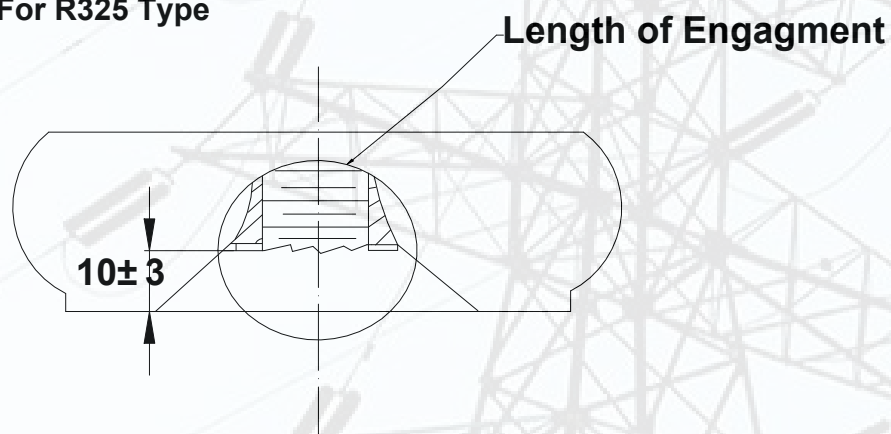
Note: 1. EC-Vertical clamp-top type.
2. EH-Horizontal clamp-top type.

PORCELAIN LINE POST INSULATOR

For R250 Type



For R325 Type



Details of Bottom Metal Fittings

PORCELAIN PIN POST INSULATOR

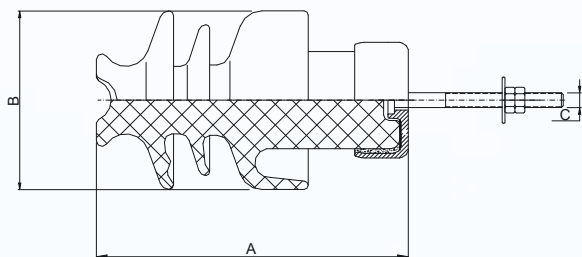


Fig 1

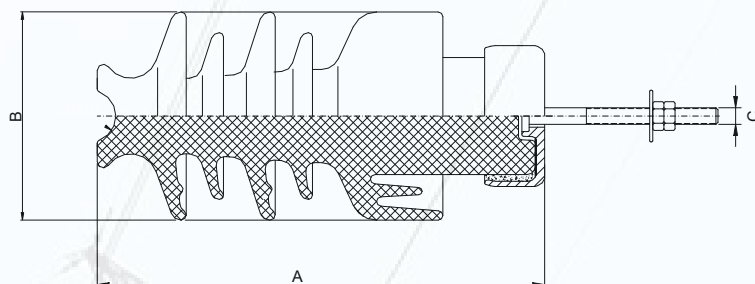
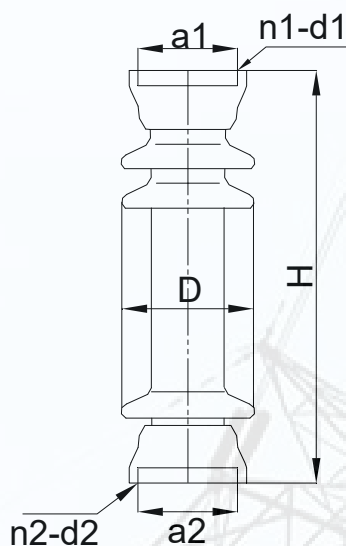


Fig 2

STANDARD PARTICULARS

Cat. No.			0301025-4	0301035-4	0301045-4
Fig No.			1	1	2
Usual line voltage/kV			11	24	36
Designation of Neck			F	F	F
Height” A” (mm)			222	336	432
Diameter ”B”(mm)			146	175	205
Stud Diameter ”C” (mm)			M20	M20	M20
Min. leakage distance (mm)			350	530	875
Dry arcing distance/in(mm)			165	311	368
Cantilever strength/lb(kN)			12.5	12.5	12.5
Average flashover voltage	Low Frequency	Dry/kV	80	110	150
		Wet/kV	60	85	125
	Critical Impulse	Pos. /kV	130	210	255
		Neg. /kV	155	260	340
Withstand voltage	Low frequency	Dry/kV	60	85	120
		Wet/kV	45	65	100
	Impulse/kV		110	180	200
Radio influence voltage data	Test voltage/kV		15	24	36
	Max. RIV at 1,000kHz/uV		100	200	200
Net weight (kg)			5	10	16

PORCELAIN STATION POST INSULATORS (IEC Standard Type)



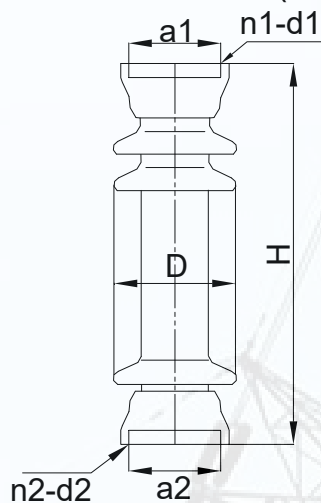
MAIN PARTICULARS

IEC Class	Nominal Voltage (KV)	Cantilever Strength (KN)	Torsion Strength KN.m	Creepage Distance mm	Impulse Withstand Voltage (KV)	Power Freq. Dry Withstand Voltage (KV)	Power Freq. Wet Withstand Voltage (KV)	Weight kg
C ₄ -75	10	4	-	230	75	40	28	6
C ₁₀ -150	20	10	-	590	150	75	50	18
C ₈ -150	20	8	-	400	150	75	50	14.5
C ₁₆ -150	20	16	-	550	150	75	50	20
C ₃₀ -150	20	30	-	590	150	75	50	32
C ₃₀ -170	20	30	-	590	170	100	70	32.6
C ₆ -170	35	6	3	648	170	100	70	17
C ₈ -170	35	8	2	625	170	100	70	16
C ₄ -170	35	4	1.2	648	170	100	70	12

MAIN DIMENSIONS

High H	Max Dia	Dry Arcing Distance mm	Shed Number	Top PCD n ₁ -d ₁ -a ₁	Low PCD n ₂ -d ₂ -a ₂
220	140	125	2	2-M8-36	4-M10-Φ55
210	140	123	2	2-M8-36	2-Φ12-Φ130
350	180	224	4	4-M12-Φ140	4-Φ18-Φ210
350	165	217	4	2-M12-76(M16)	4-Φ14-Φ180
350	190	218	5	4-M12-Φ140	4-Φ18-Φ210
450	205	222	5	4-M12-Φ140	4-Φ18-Φ250
450	205	272	5	4-M12-Φ140	4-Φ18-Φ225
420	165	308	7	4-M12-Φ140	4-M12-Φ140
420	165	306	6	4-M12-Φ140	4-Φ14-Φ210
420	150	300	7	4-Φ14-Φ140	4-Φ14-Φ140

PORCELAIN STATION POST INSULATORS (IEC Standard Type)



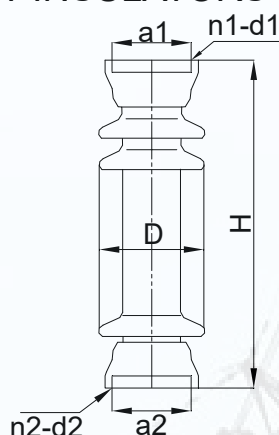
MAIN PARTICULARS

IEC Class	Nominal Voltage (KV)	Cantilever Strength (KN)	Torsion Strength KN.m	Creepage Distance mm	Impulse Withstand Voltage (KV)	Power Freq. Dry Withstand Voltage (KV)	Power Freq. Wet Withstand Voltage (KV)	Weight kg
C ₄ -170w	35	4	1.2	875	170	100	70	13
C ₄ -250w	35	4	1.8	1260	250	135	90	27
C ₆ -250	63	6	2	1160	250	135	90	38
C ₄ -325	63	4	2	1104	325	175	140	29
C _{12.5} -325	63	12.5	2	1104	325	175	140	61
C ₄ -325w	63	4	4	2010	325	175	140	50
C ₈ -325w	63	8	4	1308	325	175	140	55
C ₄ -170w	35	4	4	875	170	100	70	14
C ₄ -170w	35	4	4	875	170	100	70	13.5
C ₁₀ -250	35	10	4	1260	250	135	90	31.4

MAIN DIMENSIONS

High H	Max Dia	Dry Arcing Distance mm	Shed Number	Top PCD n ₁ -d ₁ -a ₁	Low PCD n ₂ -d ₂ -a ₂
445	150	345	10	4-Φ 14-Φ 140	4-Φ 14-Φ 140
560	235	405		4-M16-Φ 127	4-Φ 14-Φ 180
710	180	565	11	4-M12-Φ 140	4-Φ 18-Φ 225
760	170	627	10	4-M12-Φ 140	4-Φ 14-Φ 180
840	230	628	9	4-M18-Φ 210	8-Φ 18-Φ 250
850	235	705	15	4-M12-Φ 140	4-Φ 18-Φ 225
850	235	705	12	4-M12-Φ 140	4-Φ 18-Φ 225
445	150	350	10	4-M12-Φ 140	4-Φ 14-Φ 180
445	150	351	10	4-M12-Φ 140	4-M12-Φ 140
560	245	405		4-M16-Φ 127	4-Φ 14-Φ 180

PORCELAIN STATION POST INSULATORS (IEC Standard Type)



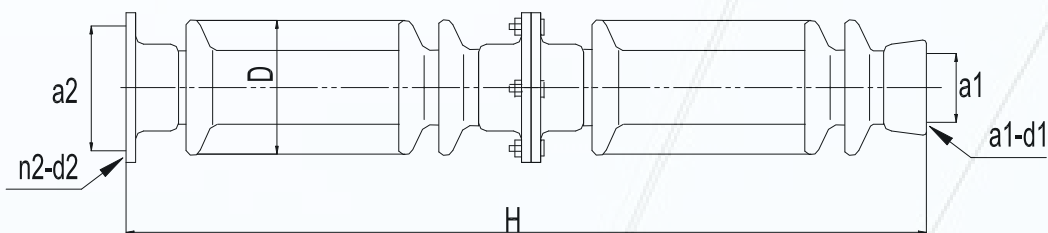
MAIN PARTICULARS

IEC Class	Nominal Voltage (KV)	Cantilever Strength (KN)	Torsion Strength KN.m	Creepage Distance mm	Impulse Withstand Voltage (KV)	Power Freq Dry Withstand Voltage (KV)	Power Freq Wet Withstand Voltage (KV)	Weight kg
C ₄ -550	110	4	4	2016	550	300	230	52
C ₈ -550w	110	8	4	2830	550	300	230	87
C ₈ -550w	110	8	4	2830	550	300	230	85
C ₄ -550w	110	4	4	3025	550	300	230	70
C ₆ -450	110	6	6	2016	450	262	185	47
C ₆ -550w	110	6	6	3050	550	300	230	76
C ₆ -550w	110	6	10	3150	550	280	230	77
C ₁₀ -450	110	10	10	3150	450	245	185	87
C ₂₀ -450	110	20	10	3200	450	245	185	102
C ₄ -450	110	4	4	2016	450	245	185	44
C ₄ -650w	110	4	4	3906	650	375	275	72

MAIN DIMENSIONS

High H	Max Dia	Dry Arcing Distance mm	Top PCD n ₁ -d ₁ -a ₁	Low PCD n ₂ -d ₂ -a ₂
1200	170	1055	4-M12-Φ 140	4-Φ 18-Φ 225
1200	250	1008	4-Φ 18-Φ 225	4-Φ 18-Φ 250
1200	250	1008	4-Φ 18-Φ 250	4-Φ 18-Φ 225
1200	245	1050	4-Φ 14-Φ 190	4-Φ 18-Φ 225
1060	195	917	4-M12-Φ 140	8-Φ 18-Φ 225
1200	245	1038	4-M12-Φ 140	4-Φ 18-Φ 225
1200	250	1023	4-M12-Φ 140	4-Φ 18-Φ 225
1150	260	978	4-Φ 18-Φ 225	8-Φ 18-Φ 254
1150	285	953	8-Φ 18-Φ 254	8-Φ 18-Φ 254
1060	195	917	4-M12-Φ 140	4-Φ 18-Φ 225
1400	255	1240	4-M12-Φ 140	4-Φ 18-Φ 225

PORCELAIN STATION POST INSULATORS (IEC Standard Type)



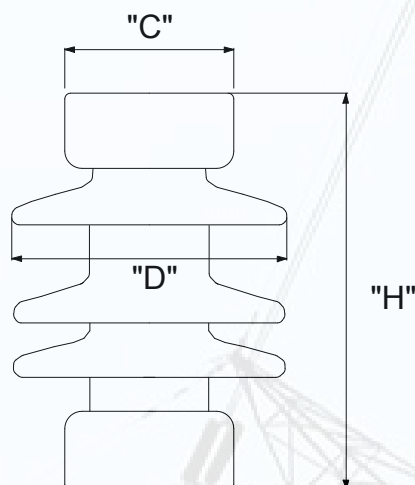
MAIN PARTICULARS

IEC Class	Nominal Voltage (KV)	Cantilever Strength (KN)	Torsion Strength KN.m	Creepage Distance mm	Impulse Withstand Voltage (KV)	Wet Switching Impulse Flashover Voltage (KV)	Power Freq Dry Withstand Voltage (KV)	Power Freq Wet Withstand Voltage (KV)	Weight kg
C ₈ -850w	230	6	6	6300	1050	850	525	460	164
C ₁₀ -850w	230	10	10	6300	1050	850	525	460	190
C ₈ -950w	230	8	8	7812	1175	950	525	510	227
C ₁₀ -950w	230	10	8	7812	1175	950	525	510	253
C ₁₆ -850w	230	16	10	6300	1050	850	525	460	224
C _{12.5} -850w	230	12.5	10	6300	1050	850	525	460	224
C ₁₀ -850w	230	10	10	6300	1050	850	525	460	201.3
C ₈ -850w	230	8	10	6300	1050	850	525	460	209
C ₄ -750w	230	4	4	3776	950	750	490	395	114
C ₄ -850w	230	4	4	5500	1050	850	525	460	146

MAIN DIMENSIONS

High H	Max Dia	Dry Arcing Distance mm	Top PCD n ₁ -d ₁ -a ₁	Low PCD n ₂ -d ₂ -a ₂
2350	260	2001	4-M12-Φ 140	8-Φ 18-Φ 254
2300	285	1931	4-Φ 18-Φ 225	8-Φ 18-Φ 254
2650	285	2279	4-Φ 18-Φ 225	8-Φ 18-Φ 254
2650	310	2251	4-Φ 18-Φ 225	8-Φ 18-Φ 300
2300	310	1878	8-Φ 18-Φ 254	8-Φ 18-Φ 300
2300	310	1888	4-Φ 18-Φ 225	8-Φ 18-Φ 275
2400	290	2019	4-Φ 18-Φ 225	8-Φ 18-Φ 254
2300	295	1913	4-Φ 18-Φ 225	8-Φ 18-Φ 254
2120	230	1977	4-M12-Φ 140	4-Φ 18-Φ 250
2300	245	1973	4-M12-Φ 140	8-Φ 18-Φ 270

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)

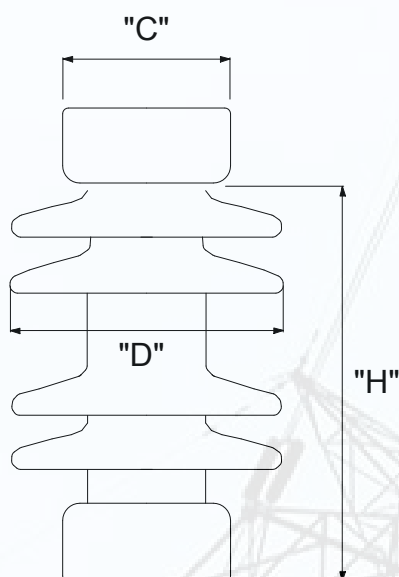


CHARACTERISTICS

Cat. No.		0701095-01	0701095-02	0701095-03
ANSI Class		202	222	-
Basic Impulse Insulation Level (KV)		95	95	95
Usual Line Voltage (KV)		7.5	7.5	7.5
Leakage distance/in (mm)		10-1/2(267)	10-1/2(267)	10-1/2(267)
Cantilever Strength/lb (KN)		2000(8.9)	4000(17.8)	8000(35.6)
Tensile Strength/lb (KN)		7000(31.1)	15000(66.7)	28000(124.5)
Torsional Strength/in-lb (N.m)		6000 (678)	12000(1356)	40000(4520)
Compression Strength /lb (KN)		10000(44.5)	20000(89)	40000(177.9)
Critical Impulse Flashover Voltage, Positive (KV)		105	105	105
Withstand Voltage	Low Frequency, Wet/KV	30	30	30
	Impulse/KV	95	95	95
Radio-Influence Voltage Data	Test Voltage to Ground/kV	5	5	5
	Maximum RIV at 1000 KHZ/μV	50	50	50
Height-"H"/in(mm)		7-1/2(190)	10(254)	10(254)
Shed diameter/in(mm)		6-1/2(165)	5-15/16(151)	7-1/4(184)
Bolt circle diameter/in(mm)		3	5	5
(4)Tapped holes, size/in		1/2-13	5/8-11	5/8-11
Cap diameter-"C"/in (mm)		4-1/4(108)	6-1/4(159)	6-1/4(159)
Net Weight/lb (kg)		15(6.7)	22(9.8)	33(14.7)

- Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.
2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)

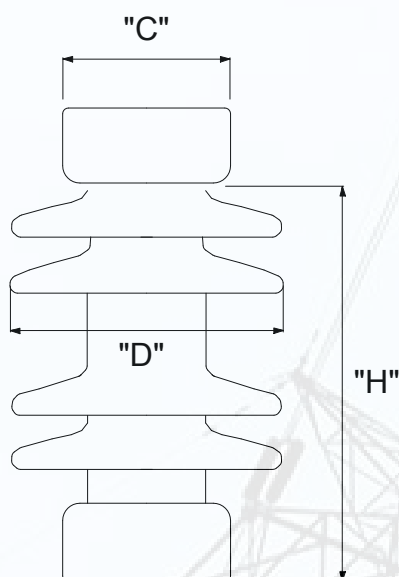


CHARACTERISTICS

Cat. No.		0701110-01	0701110-02	0701110-03
ANSI Class		205	225	-
Basic Impulse Insulation Level (KV)		110	110	110
Usual Line Voltage (KV)		15	15	15
Leakage distance/in (mm)		15-1/2(394)	15-1/2(394)	15-1/2(394)
Cantilever Strength/Ib (KN)		2000(8.9)	4000(17.8)	8000(35.6)
Tensile Strength/Ib (KN)		8500(37.8)	20000(89)	28000(124.5)
Torsional Strength/in-Ib (N.m)		7000 (791)	14000(1582)	40000(4520)
Compression Strength /Ib (KN)		10000(44.5)	20000(89)	40000(177.9)
Critical Impulse Flashover Voltage, Positive (KV)		125	125	125
Withstand Voltage	Low Frequency, Wet/KV	45	45	45
	Impulse/KV	110	110	110
Radio-Influence Voltage Data	Test Voltage to Ground/kV	10	10	10
	Maximum RIV at 1000 KHZ/μV	50	50	50
Height-“H”/in (mm)		10(254)	12(305)	12(305)
Shed diameter/in (mm)		6-1/2(165)	8(203)	7-11/16(195)
Bolt circle diameter/in (mm)		3(76)	5(127)	5(127)
(4)Tapped holes, size/in		1/2-13	5/8-11	5/8-11
Cap diameter-“C”/in (mm)		4-1/4(108)	6-1/4(159)	6-1/4(159)
Net Weight/Ib (kg)		21(9.3)	43(19.1)	40(17.8)

- Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.
2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)

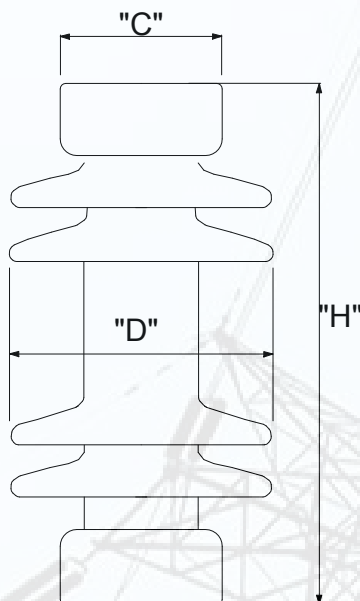


CHARACTERISTICS

Cat. No.		0701150-01	0701150-02	0701150-03
ANSI Class		208	227	-
Basic Impulse Insulation Level (KV)		150	150	150
Usual Line Voltage (KV)		23	23	23
Leakage distance/in (mm)		24(610)	24(610)	24(610)
Cantilever Strength/lb (KN)		2000(8.9)	4000(17.8)	8000(35.6)
Tensile Strength/lb (KN)		10000(44.5)	20000(89)	28000(124.5)
Torsional Strength/in-lb (N.m)		8000 (35.6)	16000(71.1)	40000(177.9)
Compression Strength /lb (KN)		10000(44.5)	20000(89)	40000(177.9)
Critical Impulse Flashover Voltage, Positive (KV)		170	170	170
Withstand Voltage	Low Frequency, Wet/KV	60	60	60
	Impulse/KV	150	150	150
Radio-Influence Voltage Data	Test Voltage to ground/kV	15	15	15
	Maximum RIV at 1000 KHZ/μV	100	100	100
Height-"H"/in (mm)		14(356)	15(381)	15(381)
Shed diameter/in (mm)		6-1/2(165)	9(229)	8-1/4(216)
Bolt circle diameter/in (mm)		3(76)	5(127)	5(127)
(4)Tapped holes, size/in		1/2-13	5/8-11	5/8-11
Cap diameter-"C"/in (mm)		4-1/4(108)	6-1/4(159)	6-1/4(159)
Net Weight/lb (kg)		26(11.6)	58(25.8)	54(24.0)

- Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.
2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)



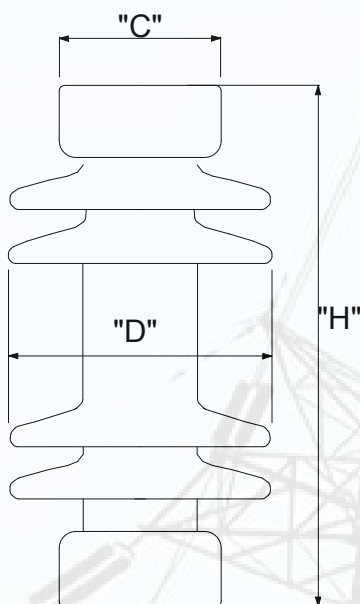
CHARACTERISTICS

Cat. No.		0701200-01	0701200-02	0701200-03
ANSI Class		210	231	-
Basic Impulse Insulation Level(KV)		200	200	200
Usual Line Voltage(KV)		34.5	34.5	34.5
Leakage distance/in(mm)		37(940)	37(940)	37(940)
Cantilever Strength/Ib (KN)		2000(8.9)	4000(17.8)	8000(35.6)
Tensile Strength/Ib (KN)		12000(53.4)	25000(111.2)	28000(124.5)
Torsional Strength/in-Ib (N.m)		10000 (44.5)	20000(89)	40000(177.9)
Compression Strength /Ib (KN)		15000(66.7)	30000(133.4)	60000(266.9)
Critical Impulse Flashover Voltage, Positive (KV)		225	225	225
Withstand Voltage	Low Frequency, Wet/KV	80	80	80
	Impulse/KV	200	200	200
Radio-Influence Voltage Data	Test Voltage to ground/kV	22	22	22
	Maximum RIV at 1000 KHZ/μV	100	100	100
Height-“H”/in (mm)		18(457)	20(508)	20(508)
Shed diameter/in (mm)		6-7/16(164)	9(229)	8-7/8(225)
Bolt circle diameter/in (mm)		3(76)	5(127)	5(127)
(4)Tapped holes, size/in		1/2-13	5/8-11	5/8-11
Cap diameter-“C”/in (mm)		4-1/4(108)	6-1/4(159)	6-1/4(159)
Net Weight/Ib (kg)		32(14.2)	75(33.4)	80(35.6)

Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.

2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)

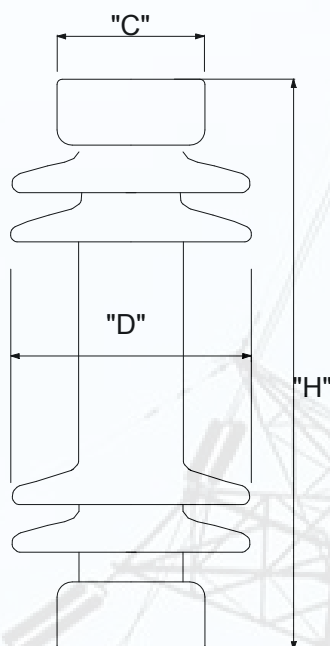


CHARACTERISTICS

Cat. No.		0701250-01	0701250-02	0701250-03
ANSI Class		214	267	-
Basic Impulse Insulation Level (KV)		250	250	250
Usual Line Voltage (KV)		46	46	46
Leakage distance/in (mm)		43(1092)	43(1092)	43(1092)
Cantilever Strength/Ib (KN)		2000(8.9)	4000(17.8)	7000(31.1)
Tensile Strength/Ib (KN)		14000(62.3)	25000(111.2)	28000(124.5)
Torsional Strength/in-Ib (N.m)		12000 (53.4)	20000(89)	40000(177.9)
Compression Strength /Ib (KN)		15000(66.7)	60000(266.9)	60000(266.9)
Critical Impulse Flashover Voltage, Positive (KV)		280	280	280
Withstand Voltage	Low Frequency, Wet/KV	100	100	100
	Impulse/KV	250	250	250
Radio-Influence Voltage Data	Test Voltage to ground/kV	30	30	30
	Maximum RIV at 1000 KHZ/μV	200	200	200
Height-"H"/in (mm)		22(559)	24(610)	24(610)
Shed diameter/in (mm)		7-1/4(184)	9(229)	8-7/8(225)
Bolt circle diameter/in (mm)		3(76)	5(127)	5(127)
(4)Tapped holes, size/in		1/2-13	5/8-11	5/8-11
Cap diameter-"C"/in (mm)		4-1/4(108)	6-1/4(159)	6-1/4(159)
Net Weight/Ib (kg)		41(18.2)	85(37.8)	87(38.7)

- Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.
2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)



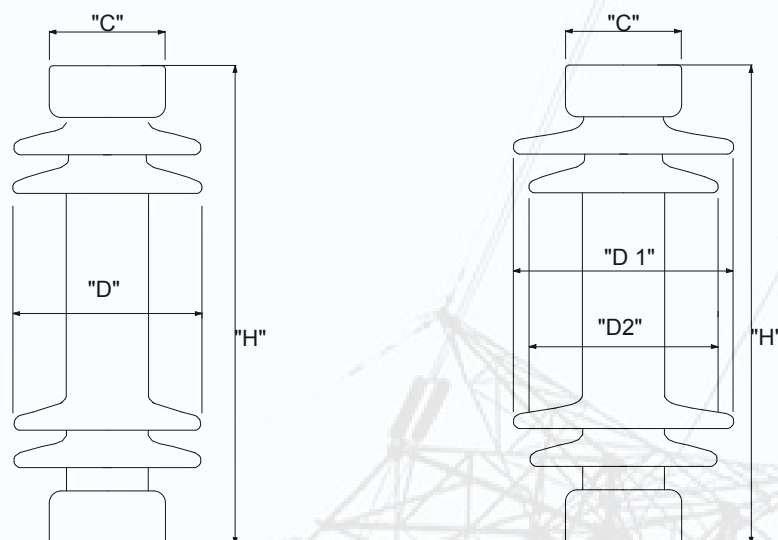
CHARACTERISTICS

Cat. No.		0701350-01	0701350-02	0701350-03
ANSI Class		216	278	-
Basic Impulse Insulation Level (KV)		350	350	350
Usual Line Voltage (KV)		69	69	69
Leakage distance/in (mm)		72(1829)	72(1829)	72(1829)
Cantilever Strength/Ib (KN)		1500(6.7)	3000(13.3)	5000(22.2)
Tensile Strength/Ib (KN)		16000(71.2)	25000(111.2)	28000(124.5)
Torsional Strength/in-Ib (N.m)		15000 (66.7)	40000(177.9)	40000(177.9)
Compression Strength /Ib (KN)		25000(111.2)	60000(266.9)	60000(266.9)
Critical Impulse Flashover Voltage, Positive (KV)		390	390	390
Withstand Voltage	Low Frequency, Wet/KV	145	145	145
	Impulse/KV	350	350	350
Radio-Influence Voltage Data	Test Voltage to ground/kV	44	44	44
	Maximum RIV at 1000 KHZ/μV	200	200	200
Height-“H”/in (mm)		30(762)	30(762)	32(813)
Shed diameter/in (mm)		7-3/4(197)	9-3/4(248)	12-7/8(327)
Bolt circle diameter/in (mm)		3(76)	5(127)	5(127)
(4)Tapped holes, size/in		1/2-13	5/8-11	5/8-11
Cap diameter-“C”/in (mm)		4-1/4(108)	6-1/4(159)	6-1/4(159)
Net Weight/Ib (kg)		74(32.9)	110(48.9)	204(92.6)

Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.

2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)



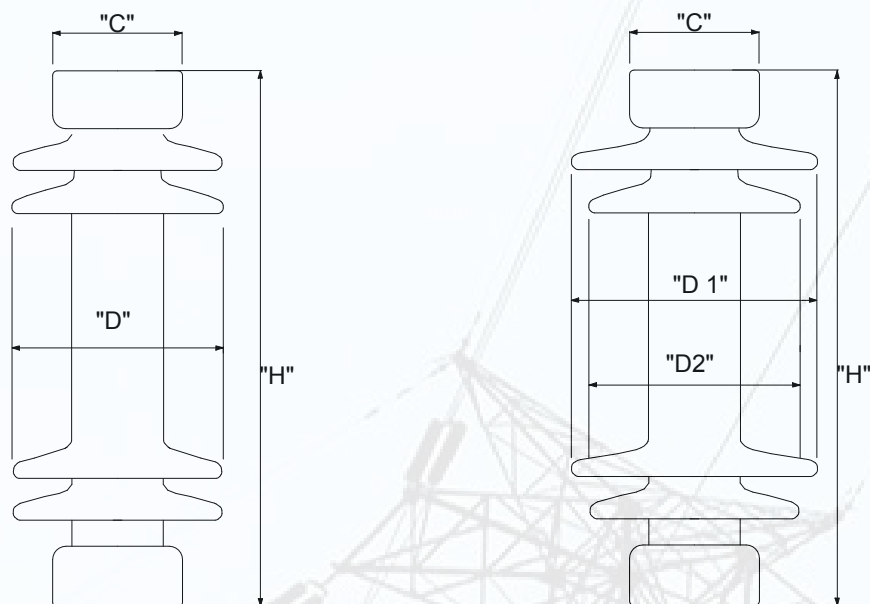
CHARACTERISTICS

Cat. No.		0701550-01	0701550-02	0701550-03
ANSI Class		286	287	-
Basic Impulse Insulation Level (KV)		550	550	550
Usual Line Voltage (KV)		115	115	115
Leakage distance/in (mm)		99(2515)	99(2515)	125(3175)
Cantilever Strength/Ib (KN)		1700(7.6)	2600(11.6)	1700(7.6)
Tensile Strength/Ib (KN)		20000(89)	25000(111.2)	20000(89)
Torsional Strength/in-Ib (N.m)		40000 (177.9)	90000(400.3)	40000(177.9)
Compression Strength /Ib (KN)		60000(266.9)	75000(333.6)	60000(266.9)
Critical Impulse Flashover Voltage, Positive (KV)		610	610	610
Withstand Voltage	Low Frequency, Wet/KV	230	230	230
	Impulse/KV	550	550	550
Radio-Influence Voltage Data	Test Voltage to ground/kV	73	73	73
	Maximum RIV at 1000 KHZ/μV	200	200	200
Height-“H”/in (mm)		45(1143)	45(1143)	45(1143)
Shed diameter/in (mm)		8-3/4(222)	8-7/8(225)	D1=9-1/4(235) D2=7-11/16(195)
Bolt circle diameter/in (mm)		5(127)	5(127)	5(127)
(4)Tapped holes, size/in		5/8-11	5/8-11	5/8-11
Cap diameter-“C”/in (mm)		6-1/4(159)	6-1/4(159)	6-1/4(159)
Net Weight/Ib (kg)		142(63.2)	165(73.4)	154(68.5)

Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.

2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)



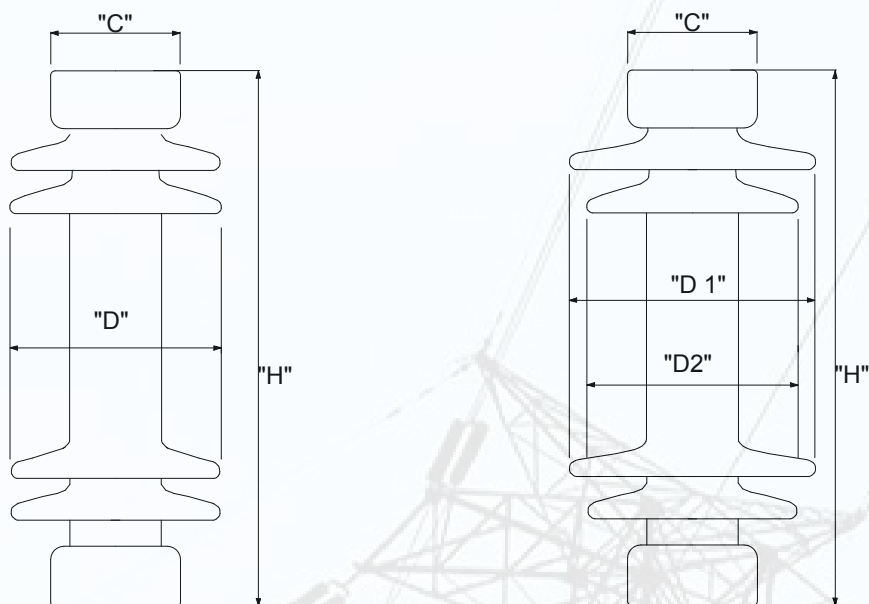
CHARACTERISTICS

Cat. No.		0701650-01	0701650-02	0701650-03
ANSI Class		288	289	-
Basic Impulse Insulation Level (KV)		650	650	650
Usual Line Voltage (KV)		116	116	116
Leakage distance/in (mm)		116(2946)	116(2946)	155(3937)
Cantilever Strength/lb (KN)		1450(6.4)	2200(9.8)	1450(6.4)
Tensile Strength/lb (KN)		20000(89)	25000(111.2)	20000(89)
Torsional Strength/in-lb (N.m)		60000 (266.9)	90000(400.3)	60000(266.9)
Compression Strength /lb(KN)		60000(266.9)	75000(333.6)	60000(266.9)
Critical Impulse Flashover Voltage, Positive (KV)		710	710	710
Withstand Voltage	Low Frequency, Wet/KV	275	275	275
	Impulse/KV	650	650	650
Radio-Influence Voltage Data	Test Voltage to ground/kV	88	88	88
	Maximum RIV at 1000 KHZ/μV	200	200	200
Height-“H”/in (mm)		54(1372)	54(1372)	54(1372)
Shed diameter/in (mm)		8-13/16(224)	10(254)	D1=9-1/4(235) D2=7-11/16(195)
Bolt circle diameter/in (mm)		5(127)	5(127)	5(127)
(4)Tapped holes, size/in		5/8-11	5/8-11	5/8-11
Cap diameter-“C”/in (mm)		6-1/4(159)	6-1/4(159)	6-1/4(159)
Net Weight/lb (kg)		160(71.2)	225(100)	170(75.6)

Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.

2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)



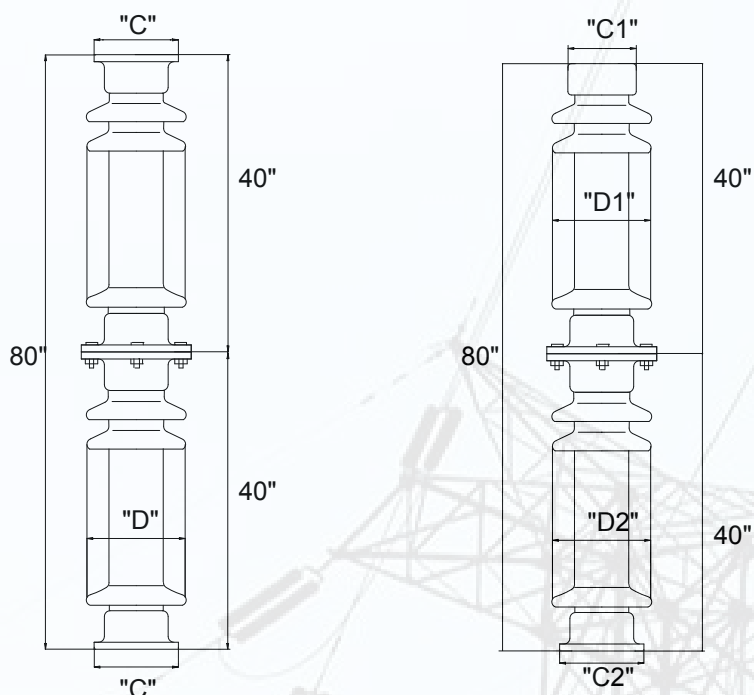
CHARACTERISTICS

Cat. No.		0701750-01	0701750-02	0701750-03
ANSI Class		291	295	-
Basic Impulse Insulation Level (KV)		750	750	750
Usual Line Voltage (KV)		161	161	161
Leakage distance/in (mm)		132(3353)	132(3353)	180(4572)
Cantilever Strength/lb (KN)		1200(5.3)	1850(8.2)	1200(5.3)
Tensile Strength/lb (KN)		20000(89)	25000(111.2)	20000(89)
Torsional Strength/in-lb (N.m)		60000 (266.9)	90000(400.3)	60000(266.9)
Compression Strength /lb (KN)		60000(266.9)	75000(333.6)	60000(266.9)
Critical Impulse Flashover Voltage, Positive (KV)		810	810	810
Withstand Voltage	Low Frequency, Wet/KV	315	315	315
	Impulse/KV	750	750	750
Radio-Influence Voltage Data	Test Voltage to ground/kV	103	103	103
	Maximum RIV at 1000 KHZ/μV	500	500	500
Height-“H”/in (mm)		62(1575)	62(1575)	62(1575)
Shed diameter/in (mm)		8-13/16(224)	10(254)	D1=9-1/4(235) D2=7-11/16(195)
Bolt circle diameter/in (mm)		5(127)	5(127)	5(127)
(4)Tapped holes, size/in		5/8-11	5/8-11	5/8-11
Cap diameter-“C”/in (mm)		6-1/4(159)	6-1/4(159)	6-1/4(159)
Net Weight/lb (kg)		170(75.6)	235(104.5)	195(86.7)

Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.

2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)



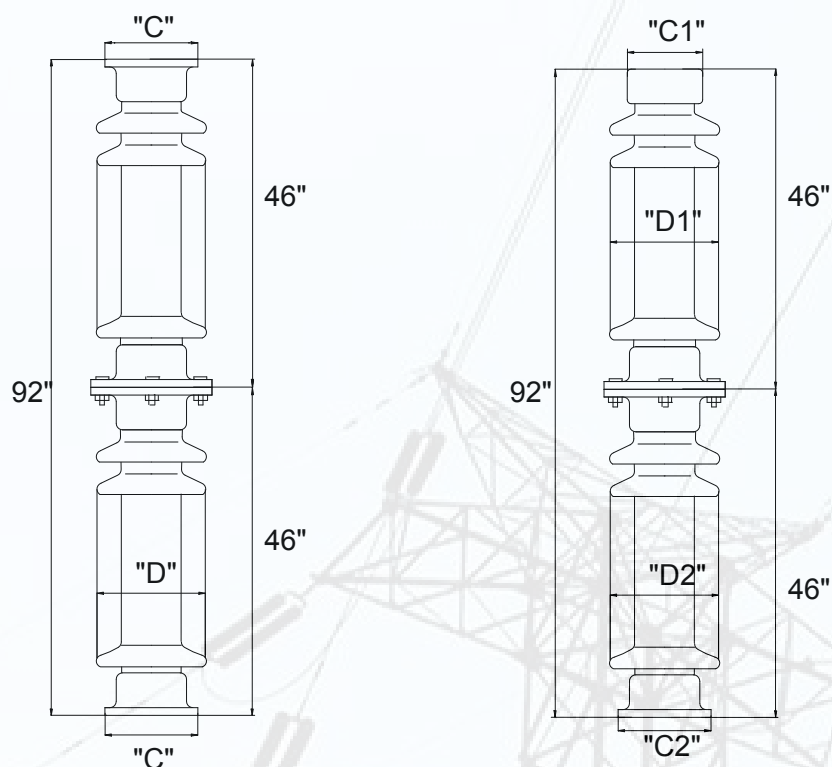
CHARACTERISTICS

Cat. No.		0701900-01	0701900-02	0701900-03
ANSI Class		304	308	308
Basic Impulse Insulation Level (KV)		900	900	900
Usual Line Voltage (KV)		230	230	230
Leakage distance/in (mm)		165(4191)	165(4191)	165(4191)
Cantilever Strength/Ib (KN)		950(4.2)	1450(6.4)	1450(6.4)
Tensile Strength/Ib (KN)		20000(89)	25000(111.2)	25000(111.2)
Torsional Strength/in-Ib (N.m)		60000 (266.9)	90000(400.3)	90000(400.3)
Compression Strength /Ib (KN)		60000(266.9)	90000(400.3)	75000(333.6)
Critical Impulse Flashover Voltage, Positive (KV)		1010	1010	1010
Withstand Voltage	Low Frequency, Wet/KV	385	385	385
	Impulse/KV	900	900	900
Radio-Influence Voltage Data	Test Voltage to ground/kV	146	146	146
	Maximum RIV at 1000 KHZ/μV	500	500	500
Shed diameter/in (mm)		9-1/2(241)	10-1/8(257)	D1=9-1/2(241) D2=10-1/8(257)
Bolt circle diameter/in (mm)		5(127)	5(127)	5(127)
(4)Tapped holes, size/in		5/8-11	5/8-11	5/8-11
Cap diameter-"C"/in (mm)		6-1/4(159)	6-1/4(159)	6-1/4(159)
Net Weight/Ib (kg)		310(137.9)	375(166.8)	268(121.6)

Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.

2. Light gray, chocolate brown or semi-conducting glaze is available.

PORCELAIN STATION POST INSULATORS (ANSI Standard Type)



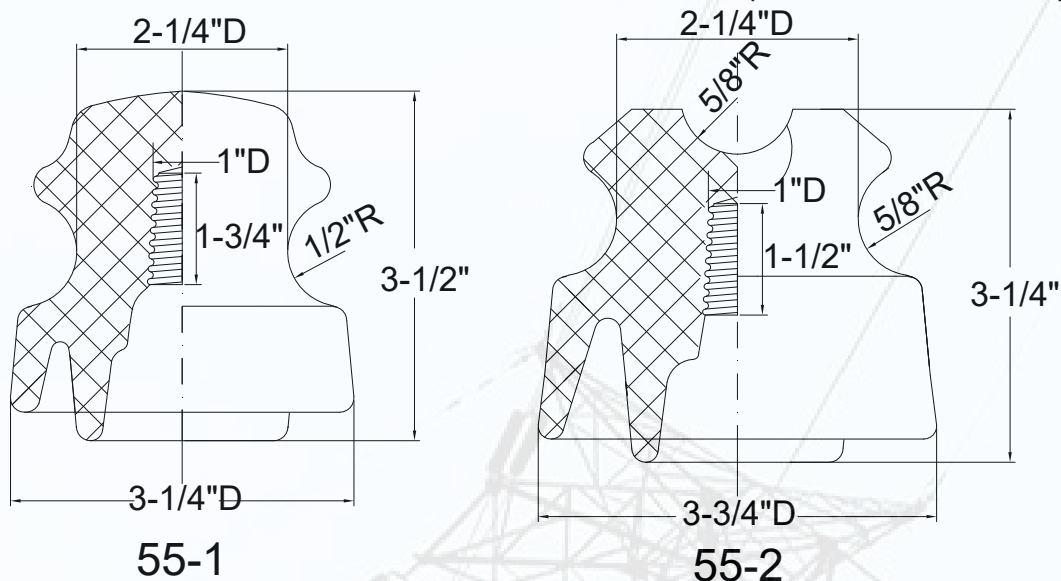
CHARACTERISTICS

Cat. No.		07011050-01	07011050-02	07011050-03
ANSI Class		312	316	362
Basic Impulse Insulation Level (KV)		1050	1050	1050
Usual Line Voltage (KV)		230	230	230
Leakage distance/in (mm)		198(5029)	198(5029)	198(5029)
Cantilever Strength/lb (KN)		800(3.6)	1250(5.6)	2300(10.2)
Tensile Strength/lb (KN)		20000(89)	25000(111.2)	40000(177.9)
Torsional Strength/in-lb (N.m)		60000 (266.9)	90000(400.3)	20000(533.8)
Compression Strength /lb (KN)		40000(177.9)	75000(333.6)	100000(444.8)
Critical Impulse Flashover Voltage, Positive (KV)		1210	1210	1210
Withstand Voltage	Low Frequency, Wet/KV	455	455	455
	Impulse/KV	1050	1050	1050
Radio-Influence Voltage Data	Test Voltage to ground/kV	146	146	146
	Maximum RIV at 1000 KHZ/μV	500	500	500
Shed diameter/in (mm)		9-7/8(251)	10-1/2(267)	10-7/8(276)
Bolt circle diameter/in (mm)		5(127)	5(127)	7(178)
(4)Tapped holes, size/in		5/8-11	5/8-11	3/4-11
Cap diameter-“C”/in (mm)		6-1/4(159)	6-1/4(159)	8-3/8(293)
Net Weight/lb (kg)		265(117.9)	341(151.7)	424(188.6)

Notes: 1. These units are not furnished with mounting bolts. State size at the time of inquiry if mounting bolts are required.

2. Light gray, chocolate brown or semi-conducting glaze is available.

LOW-AND MEDIUM-VOLTAGE PIN TYPE INSULATOR(ANSI STANDARD)



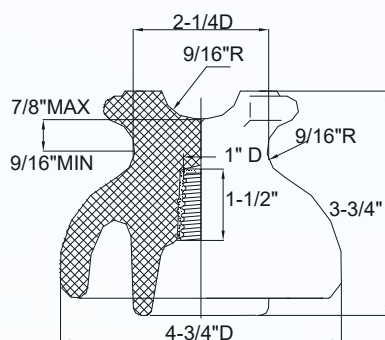
STANDARD PARTICULARS

Cat. No.			0401551		0401552	
ANSI Class			55-1		55-2	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed
Neck Designation in accordance with ANSI C29.5			C		C	
Voltage Rating (U.S.Practice) /KV			7.2		7.2	
Leakage Distance/in (mm)			4(102)		5(127)	
Dry Arcing Distance/in (mm)			2-1/4(57)		3-3/8(86)	
Minimum Pin Height/Average/lb (kN)			3,000(13.3)		2,500(11.1)	
Average Flashover Voltage	Low-frequency	Dry/kV	35	35	50	45
		Wet/kV	20	20	25	25
	Critical-impulse	Positive/kV	50	50	75	70
		Negative/kV	70	70	95	85
Low Frequency Puncture Voltage/Average/kV			50		70	
Radio-Influence Voltage	Test Voltage to Ground/kV		5	5	5	5
	Date		Maximum RIV at 1,000kHz/ μ V	2,500	50	2,500
Net Weight/lb			1.2		1.4	

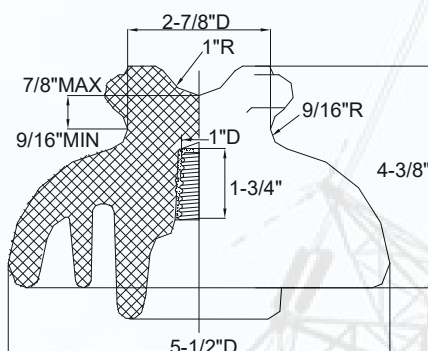
NOTES:1.Surfaces coated with semi-conductive glaze considered as effective leakage surfaces and the distance over them is included in the leakage distance.

2.Top-and wire groove shall seat a mandrel with a diameter of 15/16 inch.

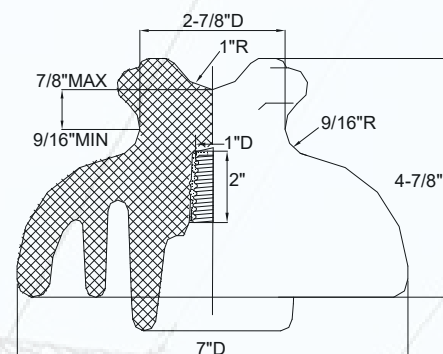
LOW-AND MEDIUM-VOLTAGE PIN TYPE INSULATOR(ANSI STANDARD)



55-3



55-4



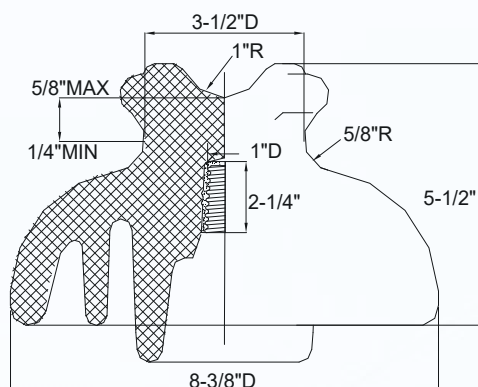
55-5

STANDARD PARTICULARS

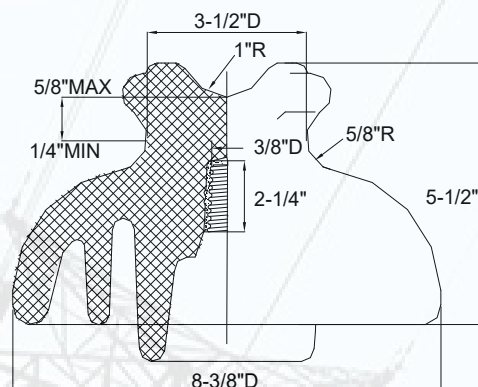
Cat. No.			0401553		0401554		0401555	
ANSI Class			55-3		55-4		55-5	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed	Plain	Radio Freed
Neck Designation in accordance with ANSI C29.5			C		F		F	
Voltage Rating (U.S.Practice)/KV			7(178)		9(229)		12(305)	
Leakage Distance/in (mm)			4-1/2(114)		5(127)		6-1/4(159)	
Dry Arcing Distance/in (mm)			5(127)		5(127)		6(152)	
Cantilever Strength/Average/lb (kN)			2,500(11)		3,000(13)		3,000(13)	
Average Flashover Voltage	Low-frequency	Dry/kV	65	55	70	65	85	80
		Wet/kV	35	30	40	35	45	45
	Critical-impulse	Positive/kV	100	90	110	105	140	130
		Negative/kV	130	110	140	130	170	150
Low Frequency Puncture Voltage/Average/kV			90		95		115	
Radio-influence	Test Voltage to Ground/kV		10	10	10	10	15	15
Voltage Date	Maximum RIV at 1,000kHz/ μ V		5,500	50	5,500	50	8,000	100
Net Weight/lb			2.4		3.7		6.4	

NOTE:1.Surfaces coated with semi-conductive glaze are considered as effective leakage surfaces and the distance over them is included in the leakage distance.
2.The side-wire groove shall seat a mandrel with a diameter of 1-1/16 inches. The top-wire groove shall seat a mandrel with a diameter of 1-3/4 inches.

LOW-AND MEDIUM-VOLTAGE PIN TYPE INSULATOR(ANSI STANDARD)



55-6



55-7

STANDARD PARTICULARS

Cat. No.			0401556	0401557
ANSI Class			55-6	55-7
Neck Designation in accordance with ANSI C29.5			J	J
Voltage Rating (U.S.Practice) /KV			13.2	13.2
Leakage Distance/in (mm)			15(381)	15(381)
Dry Arcing Distance/in (mm)			8(203)	8(203)
Minimum Pin Height/Average/lb (kN)			7-1/2(190)	7-1/2(190)
Average Flashover Voltage	Low-frequency	Dry/kV	100	100
		Wet/kV	50	50
	Critical-impulse	Positive/kV	150	150
		Negative/kV	170	170
Low Frequency Puncture Voltage/Average/kV			135	135
Radio-Influence Voltage Date	Test Voltage to Ground/kV		22	22
	Maximum RIV at 1,000kHz/ μ V	Radio Freed	100	100
		Plain	8000	8000
Net Weight/lb			8.5	8.5

NOTE:1.Surfaces coated with semi-conductive glaze are considered as effective leakage surfaces and the distance over them is included in the leakage distance.

2.The side-wire groove shall seat a mandrel with a diameter of 1-1/8 inches. The top-wire groove shall seat a mandrel with a diameter of 1-3/4 inches.

HIGH-VOLTAGE PIN TYPE INSULATOR(ANSI STANDARD)

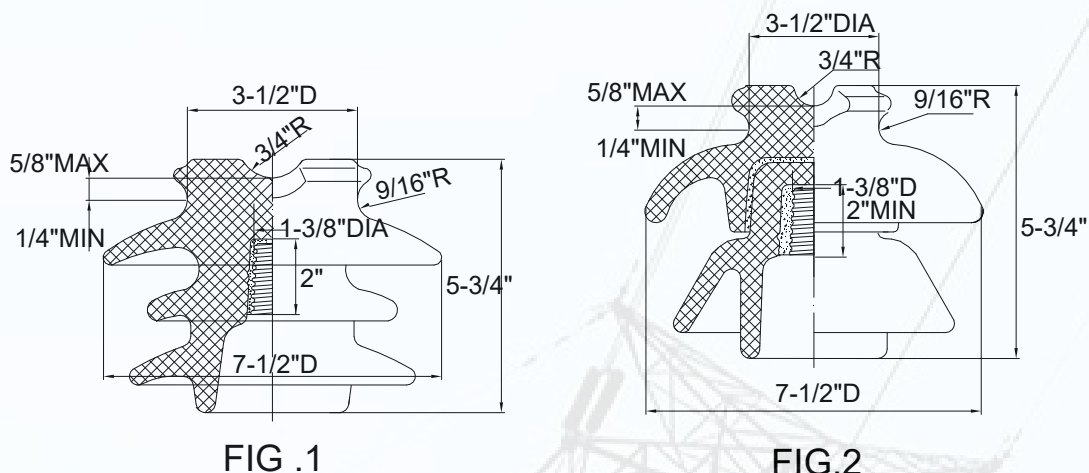


FIG. 1

FIG. 2

56-1

STANDARD PARTICULARS

Cat. No.			0401561			
ANSI Class			56-1			
Fig. No.			1		2	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed
Neck Designation in accordance with ANSI C29.5			J		J	
Voltage Rating (U.S.Practice) /KV			23		23	
Leakage Distance/in (mm)			13(330)		13(330)	
Dry Arcing Distance/in (mm)			7(178)		7(178)	
Minimum Pin Height/in (mm)			6(152)		6(152)	
Cantilever Strength/Average/lb (kN)			2,500(11)		2,500(11)	
Average Flashover Voltage	Low-frequency	Dry/kV	95		95	
		Wet/kV	60		60	
	Critical-impulse	Positive/kV	150		150	
		Negative/kV	190		190	
Low Frequency Puncture Voltage/Average/kV			130		130	
Radio-Influence Voltage	Test Voltage to Ground/kV		15	15	15	15
Date	Maximum RIV at 1,000kHz/ μ V		8,000	100	8,000	100
Net Weight/lb			7.3		7.3	

NOTES:1.Surfaces coated with semi-conductive glaze are considered as effective leakage surfaces and the distance over them is included in the leakage distance.

2.The side-wire groove shall seat a mandrel with a diameter of 1-1/16 inches. The top-wire groove shall seat a mandrel with a diameter of 1-3/4 inches.

HIGH-VOLTAGE PIN TYPE INSULATOR(ANSI STANDARD)

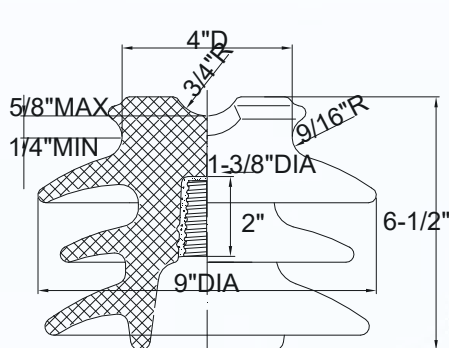


FIG. 1

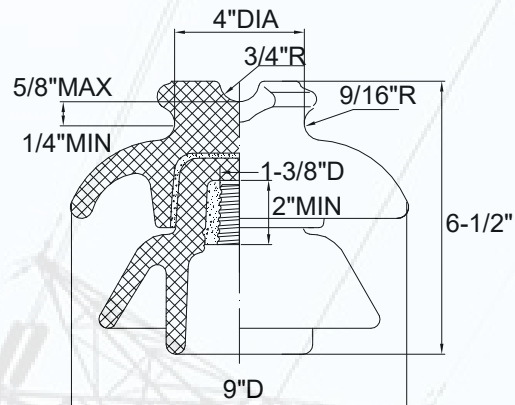


FIG.2

56-2

STANDARD PARTICULARS

Cat. No.			0401562			
ANSI Class			56-2			
Fig. No.			1		2	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed
Neck Designation in accordance with ANSI C29.6			K		K	
Voltage Rating (U.S.Practice) /KV			23		23	
Leakage Distance/in (mm)			17(432)		17(432)	
Dry Arcing Distance/in (mm)			8-1/4(210)		8-1/4(210)	
Minimum Pin Height/in (mm)			7(178)		7(178)	
Cantilever Strength/Average/lb (kN)			3,000(13)		3,000(13)	
Average Flashover Voltage	Low-frequency	Dry/kV	110		110	
		Wet/kV	70		70	
	Critical-impulse	Positive/kV	175		175	
		Negative/kV	225		225	
Low Frequency Puncture Voltage/Average/kV			145		145	
Radio-Influence Voltage	Test Voltage to Ground/kV		22	22	22	22
Date	Maximum RIV at 1,000kHz/ μ V		12,000	100	12,000	100
Net Weight/lb			11		11	

NOTE:1.Surfaces coated with semi-conductive glaze are considered as effective leakage surfaces and the distance over them is included in the leakage distance.

2.The side-wire groove shall seat a mandrel with a diameter of 1-1/16 inches. The top-wire groove shall seat a mandrel with a diameter of 1-7/16 inches.

HIGH-VOLTAGE PIN TYPE INSULATOR(ANSI STANDARD)

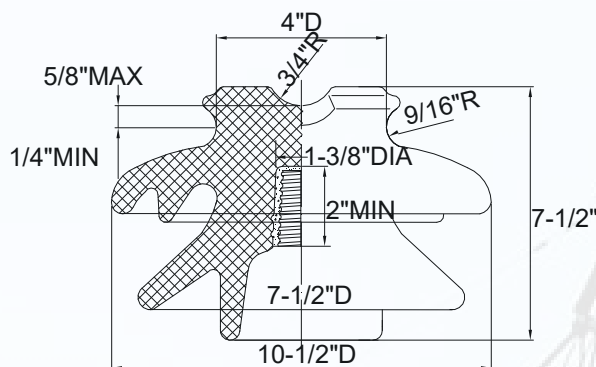


FIG. 1

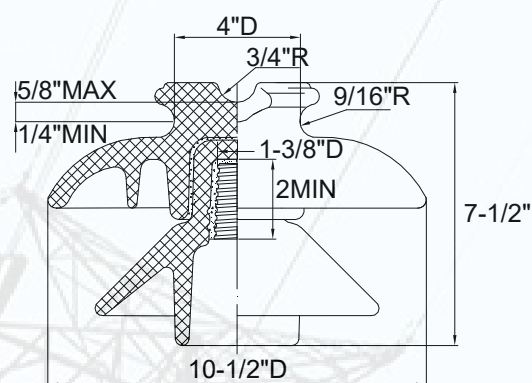


FIG. 2

56-3

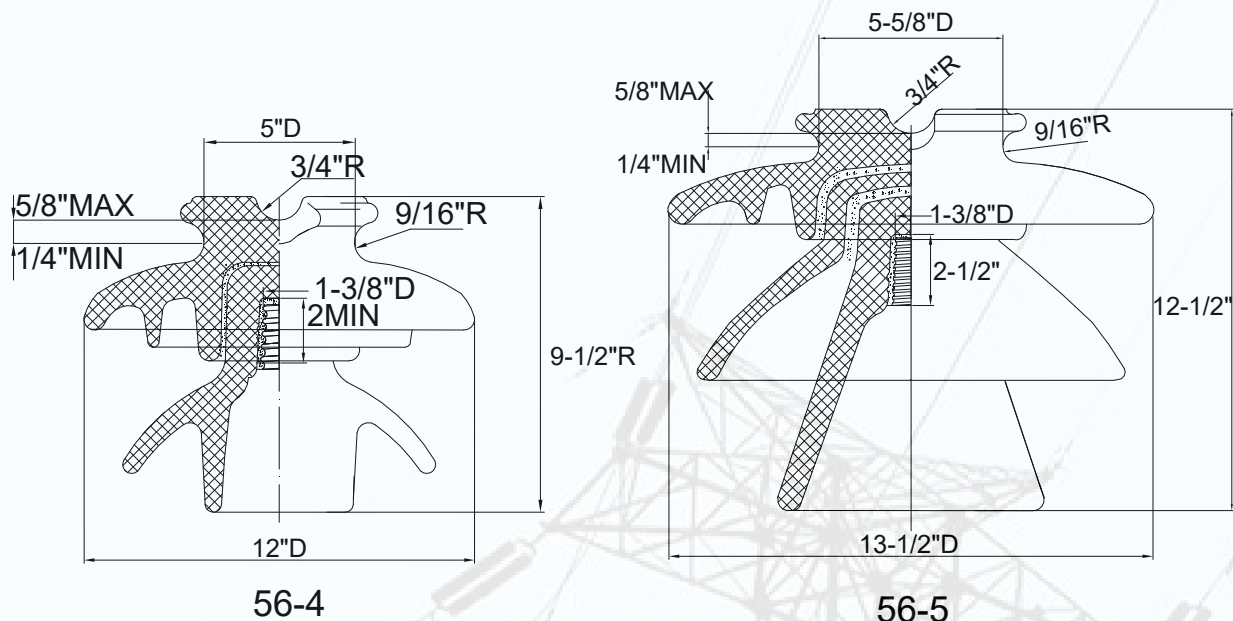
STANDARD PARTICULARS

Cat. No.			0401563			
ANSI Class			56-3			
Fig. No.			1		2	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed
Neck Designation in accordance with ANSI C29.6			K		K	
Voltage Rating (U.S.Practice) /KV			34.5		34.5	
Leakage Distance/in (mm)			21(533)		21(533)	
Dry Arcing Distance/in (mm)			9-1/2(241)		9-1/2(241)	
Minimum Pin Height/in (mm)			8(203)		8(203)	
Cantilever Strength/Average/lb (kN)			3,000(13)		3,000(13)	
Average Flashover Voltage	Low-frequency	Dry/kV	125		125	
		Wet/kV	80		80	
	Critical-impulse	Positive/kV	200		200	
		Negative/kV	265		265	
Low Frequency Puncture Voltage/Average/kV			165		165	
Radio-Influence Voltage	Test Voltage to Ground/kV		30	30	30	30
Date	Maximum RIV at 1,000kHz/ μ V		16,000	200	16,000	200
Net Weight/lb			17		17	

NOTES:1.Surfaces coated with semi-conductive glaze are considered as effective leakage surfaces and the distance over them is included in the leakage distance.

2 The side-wire groove shall seat a mandrel with a diameter of 1-1/16 inches. The top-wire groove shall seat a mandrel with a diameter of 1-7/16 inches.

STANDARD PARTICULARS(ANSI STANDARD)



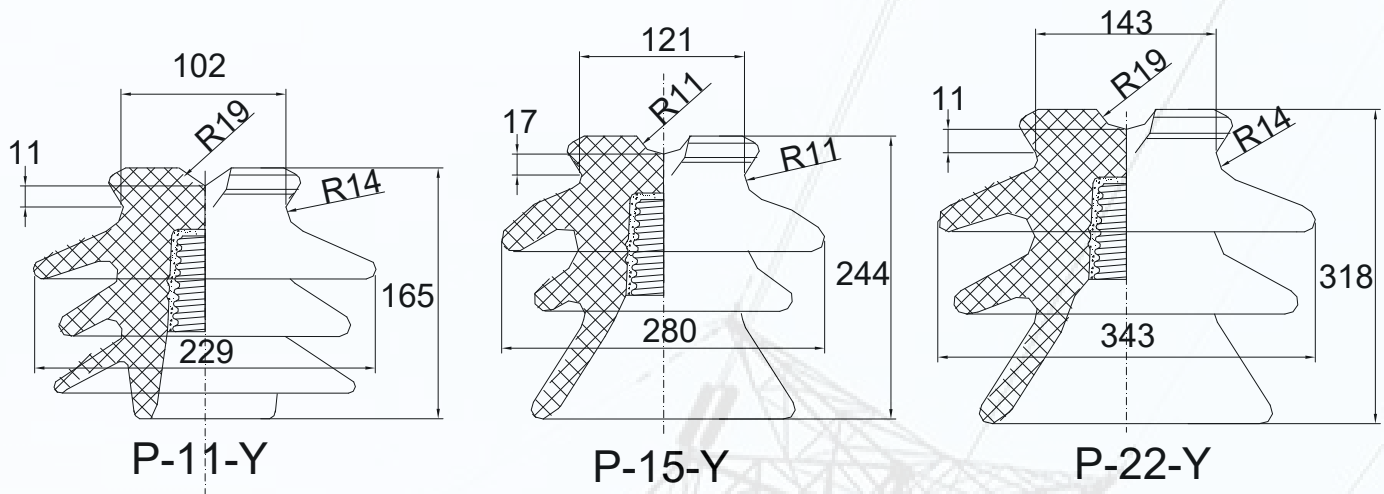
STANDARD PARTICULARS

Cat. No.			0401564		0401565	
ANSI Class			56-4		56-5	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed
Leakage Distance/in (mm)			27(686)		34(864)	
Dry Arcing Distance/in (mm)			11-1/4(286)		14(356)	
Minimum Pin Height/in (mm)			10		12(305)	
Cantilever Strength/Average/lb (kN)			3,000 (13)		3,000(13)	
Average Flashover Voltage	Low-frequency	Dry/kV	140		175	
		Wet/kV	95		125	
	Critical-impulse	Positive/kV	225		270	
		Negative/kV	310		340	
Low Frequency Puncture Voltage/Average/kV			185		225	
Radio-Influence Voltage	Test Voltage to Ground/kV		30	30	44	44
Date	Maximum RIV at 1,000kHz/ μ V		16,000	200	25,000	200
Net Weight/lb			24		30	

NOTES:1.Surfaces coated with semi-conductive glaze are considered as effective leakage surfaces and the distance over them is included in the leakage distance.

2 The side-wire groove shall seat a mandrel with a diameter of 1-1/16 inches. The top-wire groove shall seat a mandrel with a diameter of 1-7/16 inches.

PIN TYPE INSULATOR (BS STANDARD)



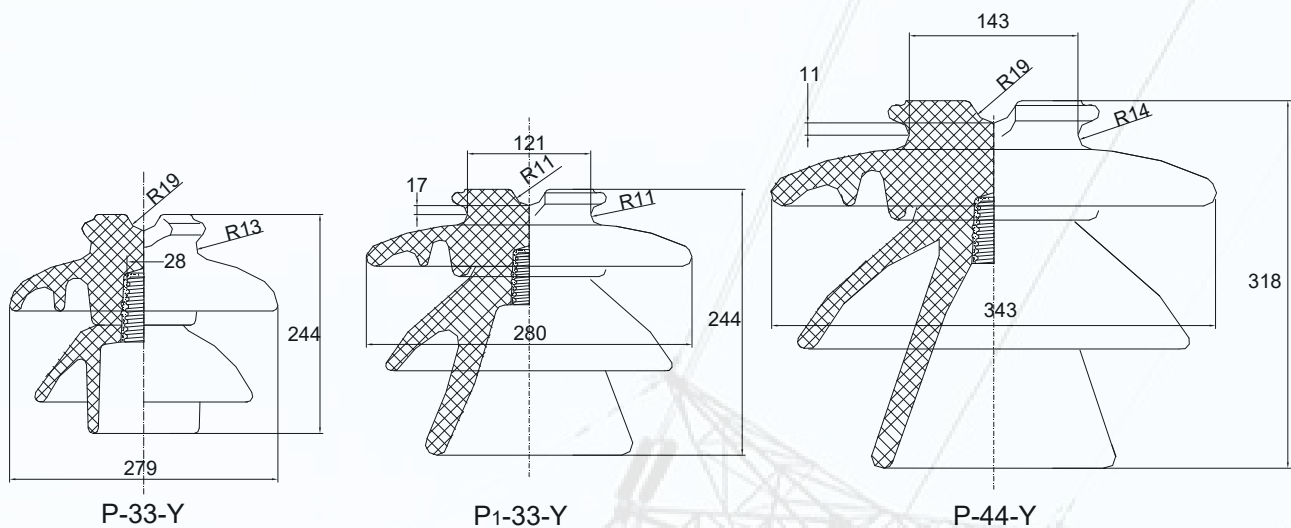
STANDARD PARTICULARS

Cat. No.			0402011		0402015		0402022	
ANSI Class			P-11-Y		P-15-Y		P-22-Y	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed	Plain	Radio Freed
Recommended Nominal System Voltage/kV			11		15		22	
Total Creepage Distance/mm			254		298		432	
Protected Creepage Distance/mm			102		133		200	
Recommended Pin Height/mm			152		165		178	
Cantilever Strength/kN			11		11		11	
Minimum Flashover Voltage	Power-Frequency	Dry/kV	75		80		100	
		Wet/kV	50		55		60	
	50% Impulse	Positive/kV	115		130		160	
		Negative/kV	150		175		205	
Radio-Influence Voltage Data	One-minute Power-Frequency	Dry/kV	65		70		90	
		Wet/kV	45		50		55	
	Impulse/kV		95		110		150	
Power-Frequency Puncture Voltage/kV			150		150		145	
Radio-Influence Voltage Data	Test Voltage to Ground/kV		15	15	15	15	22	22
	Maximum RIV at 1,000kHz/ μ V		8,000	100	8,000	100	12,000	100
Dimension of Pin Head			Small Steel Head				Large Steel Head	
Net Weight/kg			1.7			2.0		2.3

NOTE:

1. Surfaces coated with semi-conductive glaze considered as effective creepage surfaces and the distance over them is included in the creepage distance.
2. RIV data are to be obtained by the test procedures prescribed in section 4.9 of ANSI C29.1

PIN TYPE INSULATOR (BS STANDARD)



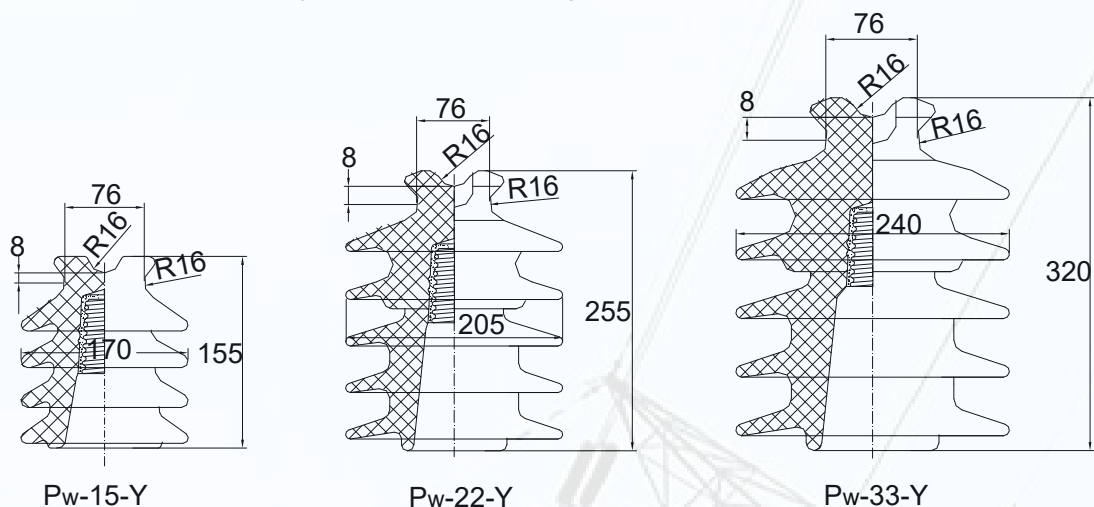
STANDARD PARTICULARS

Cat. No.			0402033		0402033-01		0402044	
BS Class			P-33-Y		P ₁ -33-Y		P-44-Y	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed	Plain	Radio Freed
Recommended Nominal System Voltage/kV			33		33		44	
Total Creepage Distance/mm			630		699		864	
Protected Creepage Distance/mm			381		381		483	
Recommended Pin Height/mm			280		280		330	
Cantilever Strength/kN			11		11		13.6	
Minimum Flashover Voltage	Power-Frequency	Dry/kV	130		130		155	
		Wet/kV	85		95		110	
	50% Impulse	Positive/kV	185		215		240	
		Negative/kV	260		290		305	
Radio-Influence Voltage Date	One-minute Power-Frequency	Dry/kV	110		115		140	
		Wet/kV	75		90		100	
	Impulse/kV		170		200		220	
Power-Frequency Puncture Voltage/kV			185		210		250	
Radio-Influence Voltage Data	Test Voltage to Ground/kV		22	22	30	30	44	44
	Maximum RIV at 1,000kHz/ μ V		16,000	200	16,000	200	25,000	200
Dimension of Pin Head			Large Steel Head specified in B.S.					
Net Weight/kg			11.5		10.0		13.6	

NOTE:

1. Surfaces coated with semi-conductive glaze considered as effective creepage surfaces and the distance over them is included in the creepage distance.
2. RIV data are to be obtained by the test procedures prescribed in section 4.9 of ANSI C29.1

PIN TYPE INSULATOR (BS STANDARD)



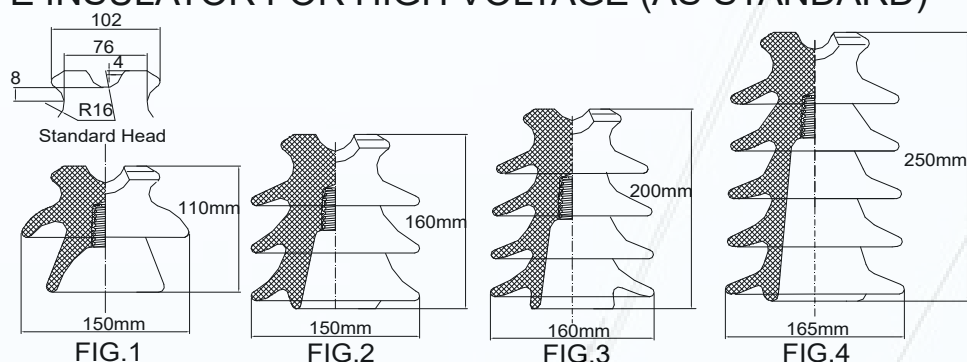
STANDARD PARTICULARS

Cat. No.			0402015-P		0402022-P		0402033-P	
BS Class			Pw-15-y		Pw-22-y		Pw-33-y	
Insulator Type			Plain	Radio Freed	Plain	Radio Freed	Plain	Radio Freed
Recommended Nominal System Voltage/kV			15		22		33	
Total Creepage Distance/mm			432		673		851	
Protected Creepage Distance/mm			197		267		419	
Recommended Pin Height/mm			216		280		330	
Cantilever Strength/kN			11		11		11	
Minimum Flashover Voltage	Power-Frequency	Dry/kV	100		125		140	
		Wet/kV	65		95		110	
	50% Impulse	Positive/kV	150		190		210	
Radio-Influence Voltage Date	One-minute Power-Frequency	Dry/kV	90		110		125	
		Wet/kV	60		90		100	
	Impulse/kV		140		180		200	
Power-Frequency Puncture Voltage/kV			150		200		210	
Radio-Influence Voltage Data	Test Voltage to Ground/kV		22	22	30	30	44	44
	Maximum RIV at 1,000kHz/ μ V		12,000	100	16,000	200	25,000	200
Dimension of Pin Head			Large Steel Head specified in B.S.					
Net Weight/kg			5			10		13

NOTE:

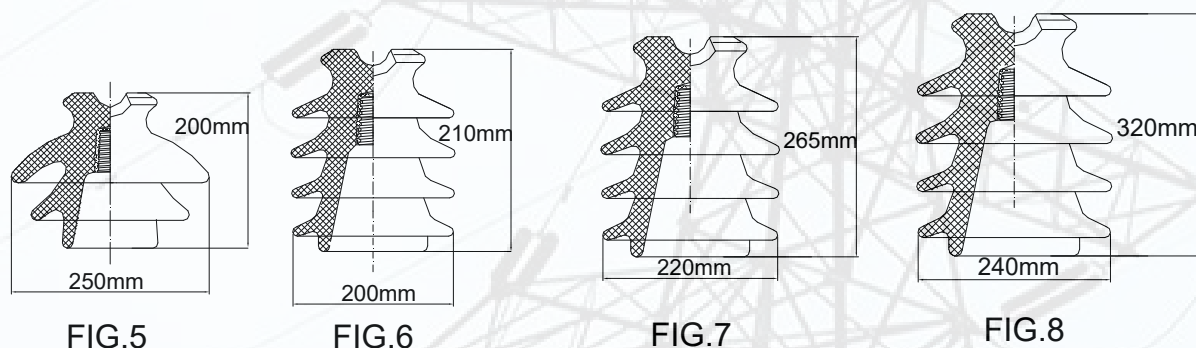
1. Surfaces coated with semi-conductive glaze considered as effective creepage surfaces and the distance over them is included in the creepage distance.
2. RIV data are to be obtained by the test procedures prescribed in section 4.9 of ANSI C29.1

PIN TYPE INSULATOR FOR HIGH VOLTAGE (AS STANDARD)



STANDARD PARTICULARS

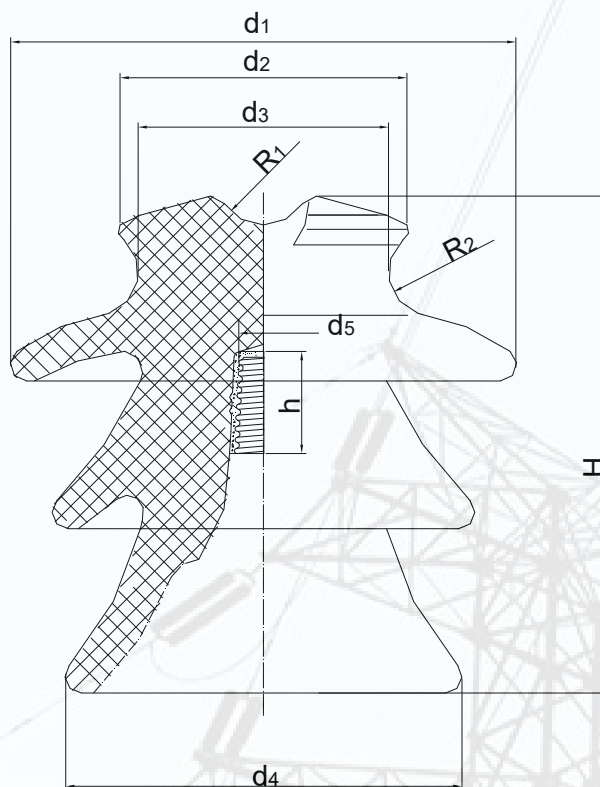
Cat. No.	0406180	0406275	0406450	0406490
Fig. No.	1	2	3	4
Nominal System Voltage/kV	SLP/11/180	ALP/11/275	ALP/22/450	ALP/22/490
Min. Nominal Creepage Distance/mm	180	275	450	490
Recommended Pin Type	A/130/7	C/150/7	C/200/11	C/200/11
Min. Cantilever Strength/kN	7	7	11	11
Power Frequency Withstand Voltage/kV	30	30	50	50
Lightning Impulse Withstand Voltage/kV	105	105	150	160
Power Frequency Puncture Voltage/kV	95	105	145	160
Weight/kg	1.50	3.2	3.8	4.2



STANDARD PARTICULARS

Cat. No.	0406480	0406520	0406710	0406920
Fig. No.	5	6	7	8
AS Class	ALP/22/480	ALP/22/520	ALP/33/710	ALP/33/920
Nominal System Voltage/kV	22	22	33	33
Min. Nominal Creepage Distance/mm	480	520	710	920
Recommended Pin Type	C/150/11	C/220/11	C/300/7	C/300/7
Min. Cantilever Strength/kN	11	11	11	11
Power Frequency Withstand Voltage/kV	50	50	90	90
Lightning Impulse Withstand Voltage/kV	150	150	220	220
Power Frequency Puncture Voltage/kV	130	160	210	220
Weight/kg	5.4	4.8	10.0	14.3

PIN TYPE INSULATOR FOR HIGH VOLTAGE (DIN STANDARD)



STANDARD PARTICULARS

Cat. No.			0403010	0403015	0403020	0403030
DIN. No.			St10	St15	St20	St30
Main Dimension/mm	d ₁		135	150	175	230
	d ₂		62	72	82	92
	d ₃		80	90	100	110
	d ₄		110	120	145	185
	d ₅		31	28	31	38
	H		138	158	185	250
	h		55	60	65	90
	R ₁		10	10	10	10
	R ₂		12.5	12.5	12.5	12.5
Nominal Voltage/kV			10	15	20	30
Creepage Distance/mm			240	270	340	430
Power-Frequency Puncture Voltage/kV			110	120	140	165
Cantilever Failing Load/kN			12.5	12.5	14.7	14.7
Minimum Flashover Voltage	Power-Frequency	Dry/kV	70	75	90	130
		Wet/kV	70	75	90	130
	50% Impulse	Positive/kV	100	110	130	200
Weight/kg			1.5	2.3	3.4	6.5

STRAIN INSULATORS (ANSI Standard Type)

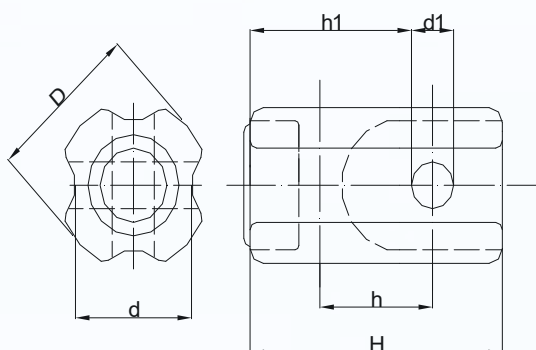


Fig 1

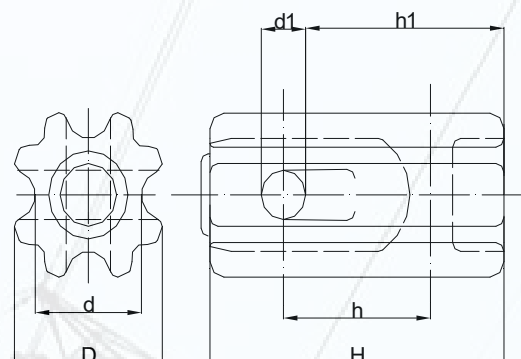


Fig 2

STANDARD PARTICULARS

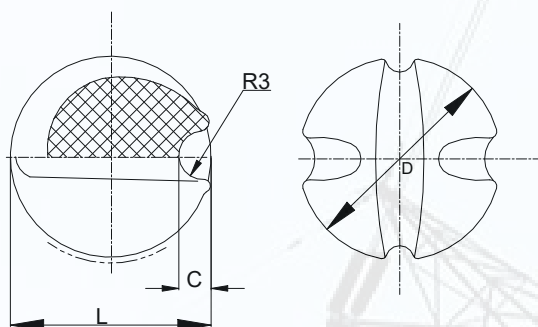
Fig. No.		1			2
ANSI Class		54-1	54-2	54-3	54-4
Nominal System Voltage/KV		2.2	4.4	6.6	6.6
Main Dimensions/in	H	3-1/2	4-1/4	5-1/2	6-3/4
	h	1-3/4	2-1/4	3-1/8	2-5/8
	h1	2-1/2Max	3 Max	4-1/16	4-1/2
	D	5/8	2-7/8	3-3/8	3-1/2
	d	1-3/4	2-1/8	2-3/8	2-3/8
	d1	2-1/2	7/8	1	1
Tension Strength/lb(KN)		10,000(44)	12,000(53)	20,000(89)	20,000(89)
Average Flashover Voltage/KV	Low-frequency(Dry)	25	30	35	40
	Low-frequency(Wet)	12	15	18	23
Leakage Distance/in(mm)		1-5/8(41)	1-7/8(48)	2-1/4(57)	3(76)
Net Weight/lb(kg)		0.76(0.35)	1.5(0.68)	2.9(1.3)	4.1(1.9)

Note: In tension test, two loops of suitable wire ropes are used and glaze chips or partial porcelain cracks should be allowed.

Standard Specification: ANSI C29.4

HIGH VOLTAGE EGG TYPE STRAIN INSULATOR

(ANSI Standard Type)



STANDARD PARTICULARS

Cat. No.		DJ-1	DJ-2	DJ-3	DJ-4	DJ-5	DJ-6	DJ-7
Dimensions-mm	D	62	79	98	116	144	168	184
	L	65	81	104	122	150	174	194
	C	11	14	17	20	28	34	38
	R	7	9	10	12	16	21	24
Testing Voltage-KV		5	5	5	10	15	15	20
Transverse strength-kg		3000	4500	6500	9000	13000	24000	30000
Weight (approx)-kg		0.25	0.25	1.05	1.70	3.30	4.70	6.50

Brown glazed.

STRAIN INSULATORS (AS Standard Type)

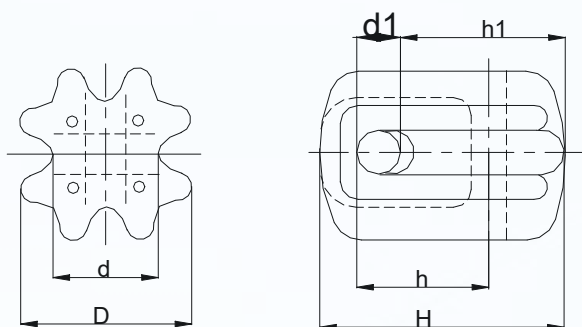


Fig 1

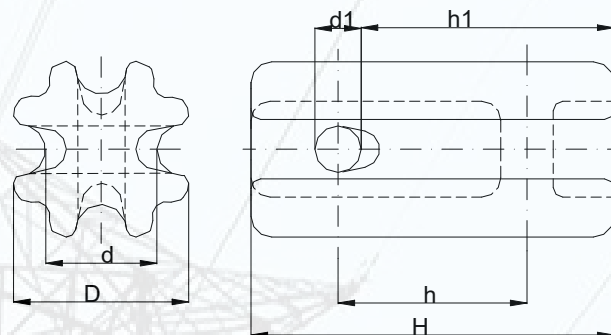


Fig2

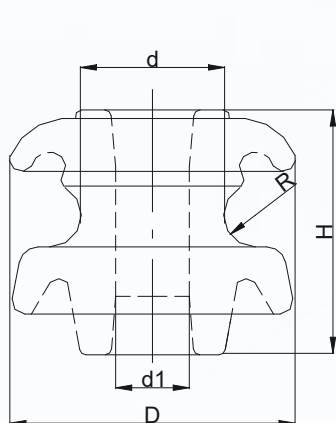
STANDARD PARTICULARS

Fig. No.		1	2	2	2
Class		GY1	GY2	GY3	GY4
Dimensions, mm	H	90	146	216	280
	h	48	73	89	89
	h1	60	99	133	165
	D	68	73	115	115
	d	40	44	67	67
	d1	16	22	38	38
Power Frequency Withstand Voltage (Wet),KV		10	15	20	30
Tension Failing Load, KN		27	71	222	222
Net Weight, Each, Approx., kg		0.6	1.1	4.3	5.7

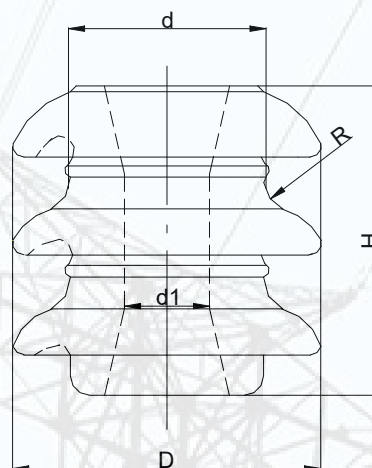
Standard Specification: AS 3609

SHACKLE INSULATOR

(BS Standard Type)



ED-2(B)
ED-2(B)1



ED-2(C)

Type		ED-2(C)	ED-2(B)	ED-(B)1
Dimensions(mm)	H	80	76	76
	D	80	89	89
	d	50	48	48
	d1	22	21	17.5
	R	6	10	10
Transverse Strength (KN)		13.2	12.7	12.7
Power Frequency	Dry (KV)	25	25	25
Flashover Voltage	Wet (KV)	12	12	12
Net Weight, Each, Approx (kg)		0.5	0.5	0.5
Number in Standard Package		60	60	60
Colour		Brown, Light Gray or to Drawings		

SPOOL INSULATOR

(ANSI Standard Type)

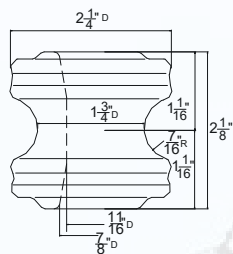


Fig 1

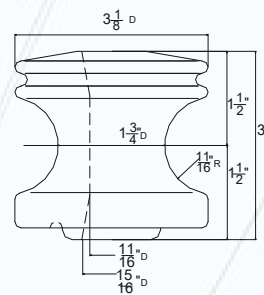


Fig 2

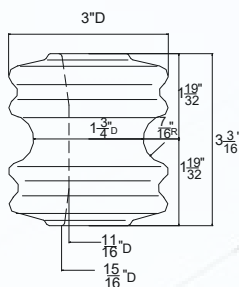


Fig 3

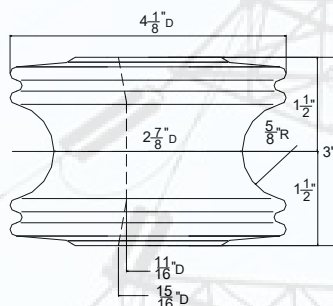


Fig 4

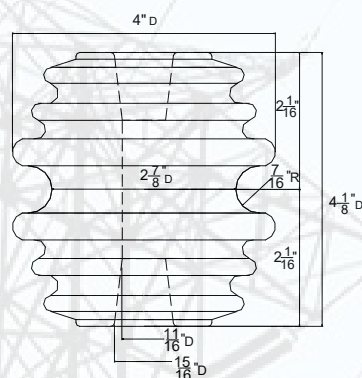


Fig 5

STANDARD PARTICULARS

Fig No.			1	2	3	4	5
ANSI Class			53-1	53-2	53-3	53-4	53-5
Transverse Strength/lb(KN)			2000(89)	3000(13.3)	4000(17.8)	4500(20)	6000(26.7)
Average Flashover Voltage	Low-Freq. Dry/KV		20	25	25	25	35
	Low-Freq. Wet/KV	Vertical	8	12	12	12	18
		Horizontal	10	15	15	15	25
Net Weight/lb(kg)			0.48(0.22)	1.2(0.55)	1.2(0.55)	2.2(1.0)	2.6(1.2)

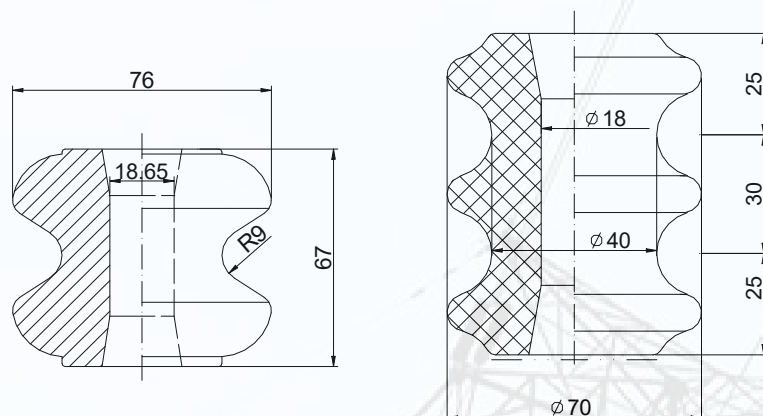
Notes: 1. In mechanical test, glaze chips or partial porcelain cracks should be allowed.

2. Hardware for these insulators are available upon request.

Standard Specification: ANSI C29.3

NON-STANDARD SPOOL INSULATOR

(ANSI Standard Type)



STANDARD PARTICULARS

Fig. No.		1	2
Low frequency flashover-KV		20	25
Low frequency wet flashover	Vertical-KV	10	12
	Horizontal-KV	9	15
Transverse strength –KN		9.5	13.5
Weight(approx)-kg		0.4	0.4