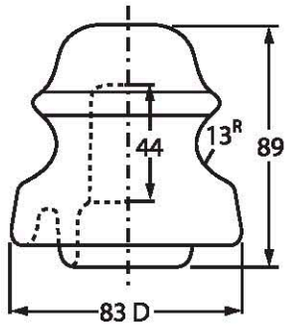
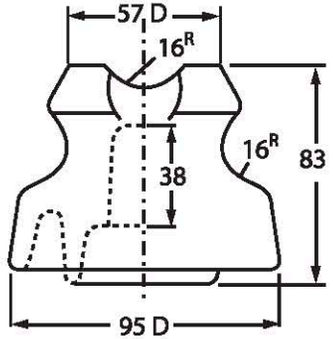
LOW & MEDIUM VOLTAGE PIN TYPE INSULATORS

ANSI Standard Type

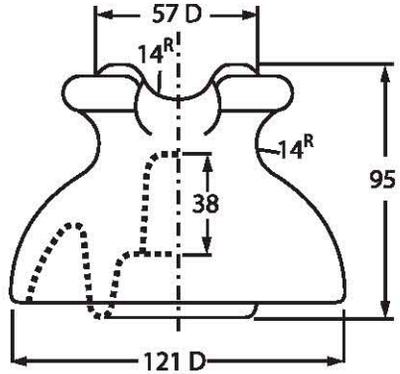
These Insulators have Porcelain thread Pin hole of ANSI 1 inch diameter



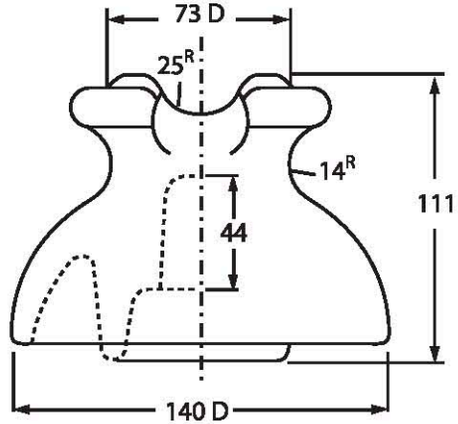
P 7.2/SI - N



P 7.2a/SI - N



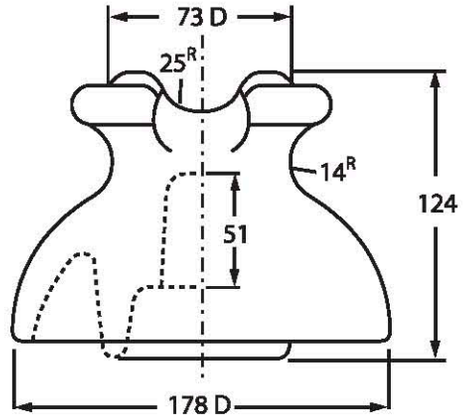
P 13.2/SI - N



P 13.2a/SI - N

Standard Particulars

CAT. NO.			P 7.2/SI-N	P 7.2a/SI-N	P 13.2/SI-N	P 13.2a/SI-N	P 13.2b/SI-N
ANSI Class			55-1	55-2	55-3	55-4	55-5
Voltage Rating (U.S Practice)		kV	7.2 (or below)	7.2 (or below)	13.2	13.2	13.2
Leakage Distance		mm	102	127	178	229	305
Dry Arcing Distance		mm	57	86	114	127	159
Minimum Pin Height		mm	102	102	127	127	152
Cantilever Strength		kN	13	11	11	13	13
Average Flashover Voltage	Low Frequency Dry	kV	35	45	55	65	80
	Low Frequency Wet	kV	20	25	30	35	45
	Critical Impulse Positive	kV	50	70	90	105	130
	Critical Impulse Negative	kV	70	85	110	130	150
Low Frequency Puncture Voltage		kV	50	70	90	95	115
Radio - Influence Voltage Data	Test Voltage to Ground	kV	5	5	10	10	15
	Maximum RIV AT 1000 KHz	μV	50	50	50	50	100
Weight Per Piece		kg	0.55	0.58	1.00	1.70	3.00



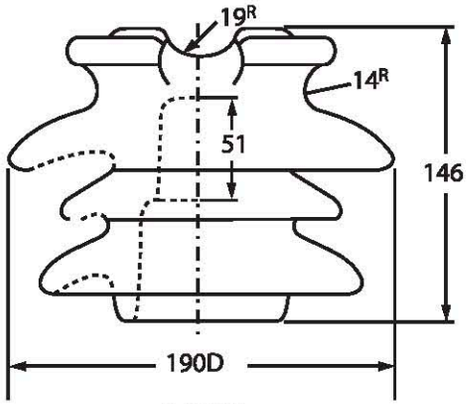
P 13.2b/SI - N

Standard Specifications: ANSI C29.5-1984

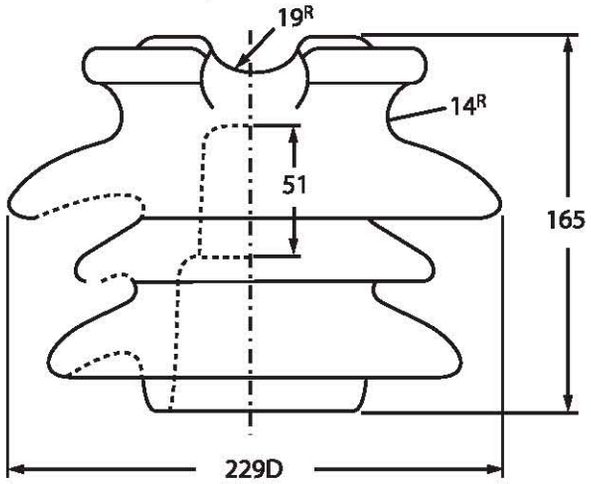
HIGH VOLTAGE PIN TYPE INSULATORS

ANSI Standard Type

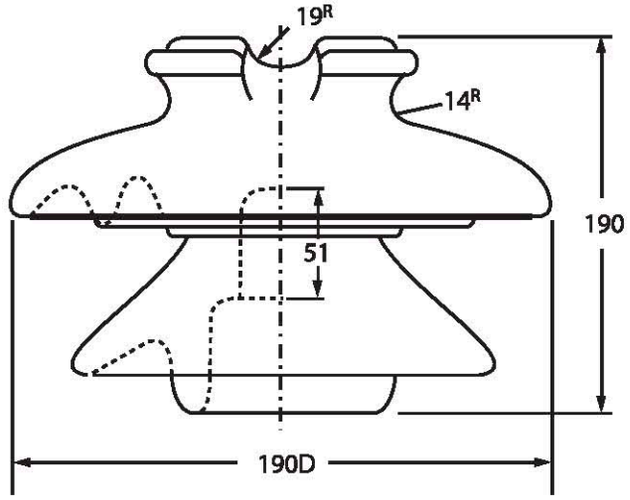
These Insulators have 1-3/8 inch diameter threaded
Zinc thimbles which are cemented into Pin hole Cavity



P 23/SI



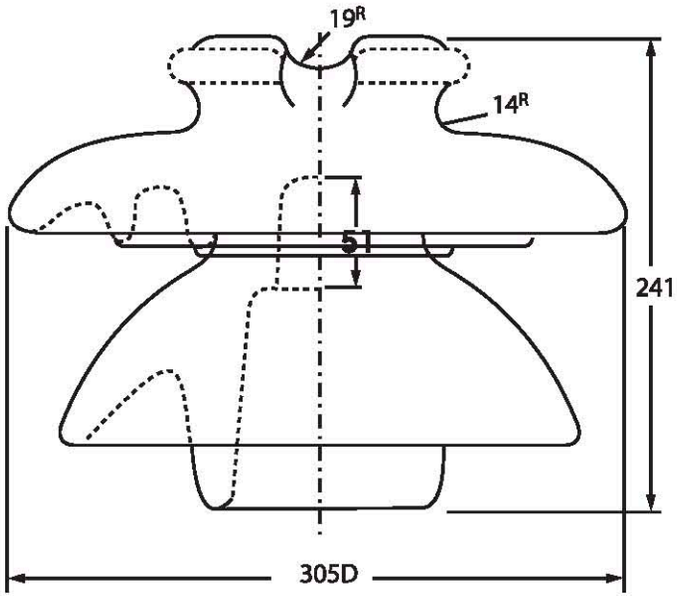
P23a/SI



P34.5/SI

Standard Particulars

CAT. NO.			P 23/SI	P 23 a/SI	P 34.5/SI	P 46/SI
ANSI Class			56-1	56-2	56-3	56-4
Voltage Rating (U.S Practice)		kV	23	23	34.5	46
Leakage Distance		mm	330	432	533	696
Dry Arcing Distance		mm	178	210	241	286
Minimum Pin Height		mm	152	178	203	254
Cantilever Strength		kN	11	13	13	13
Average Flashover Voltage	Low Frequency Dry	kV	95	110	125	140
	Low Frequency Wet	kV	60	70	80	95
	Critical Impulse Positive	kV	150	175	200	225
	Critical Impulse Negative	kV	190	225	265	310
Low Frequency Puncture Voltage		kV	130	145	165	185
Radio - Influence Voltage Data	Test Voltage to Ground	kV	15	22	30	30
	Maximum RIV AT 1000 KHz	μV	100	100	200	200
Weight Per Piece		kg	3.60	5.90	8.20	10.90



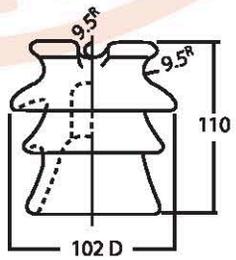
P46/SI

Standard Specifications: ANSI C29.5-1984

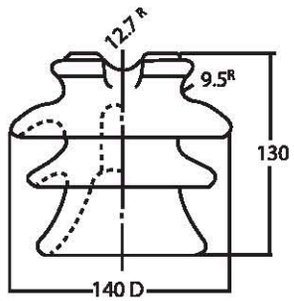
PIN TYPE INSULATORS

B.S. Standard Type

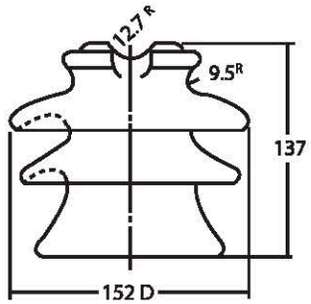
With cemented zinc thimbles
according to B.S. Pin hole thread



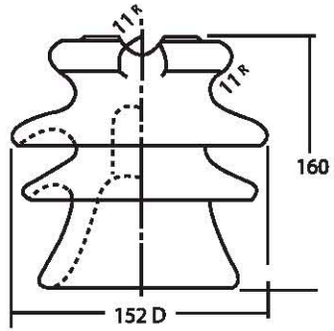
P 6.6/BS-N



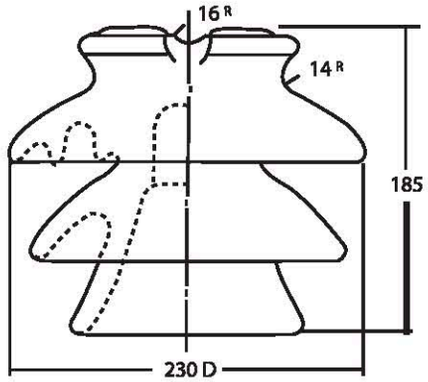
P 11/BS-N



P 15/BS-N

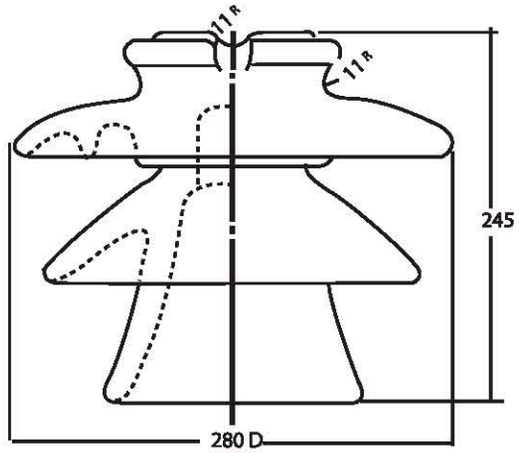


P 15a/BS-N



P 22/BS

CAT. NO.			P 6.6/BS - N	P 11/BS - N	P 15/BS - N	P 15a/BS - N	P 22/BS	P 33/BS
Voltage Rating		kV	6.6	11	15	15	22	33
Total Creepage Distance		kV	178	254	298	330	570	698
Protected Creepage Distance		mm	76	102	133	150	311	381
Recommened Pin Height		mm	127	152	165	216	216	280
Cantilever Strength		mm	11	11	11	11	13	11
Power Frequency Flashover Dry		kV	60	75	80	95	115	130
Power Frequency Flashover Wet		kV	35	50	55	60	75	95
50% Impulse Flashover Positive		kV	95	115	130	120	180	215
50% Impulse Flashover Negative		kV	120	150	175	150	240	290
Power Frequency Withstand Dry		kV	50	65	70	70	100	115
Power Frequency Withstand Wet		kV	30	45	50	50	70	90
Impulse Withstand		kV	75	95	110	95	150	200
Power Frequency Puncture Voltage		kV	95	150	150	130	200	210
Radio - Influence	Test Voltage to Ground	kV	10	15	15	15	22	30
Voltage Data	Maximum RIV AT 1000 KHz	μV	50	100	100	100	100	200
Dimension of Pin Head			Small Steel Head			Large Steel Head		
Weight Per Piece		kg	0.85	1.65	2.00	2.50	5.60	10.00



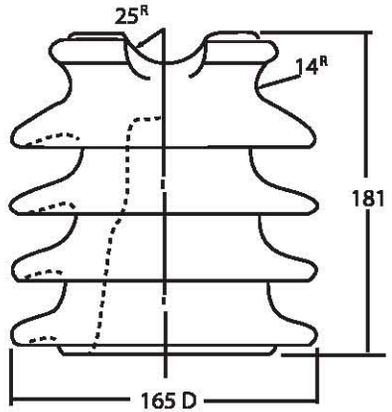
P 33/BS

Testing Specifications: B.S. 137 : Part 1 - 1982

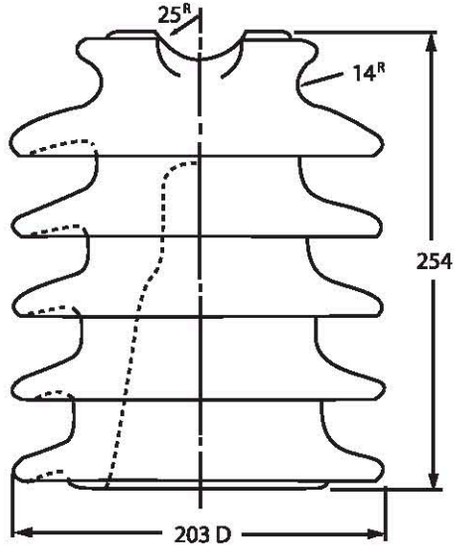
PIN TYPE INSULATORS

Fog Type B.S. Standard

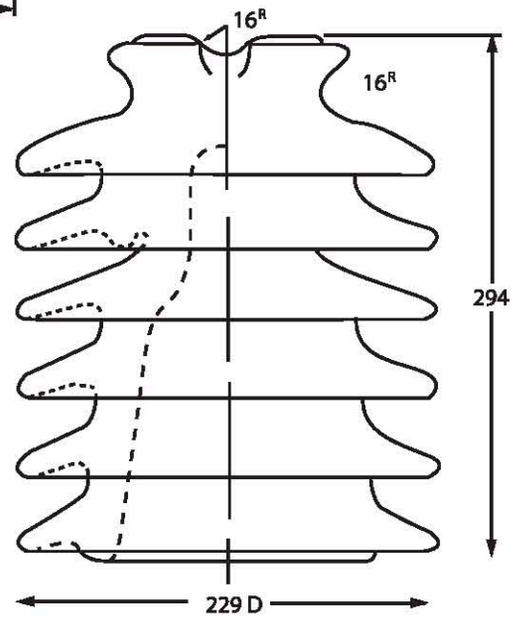
With Cemented Zinc thimbles according to B.S. Pin Hole Thread



P 15 / BS - F



P 22 / BS - F



P 33 / BS - F

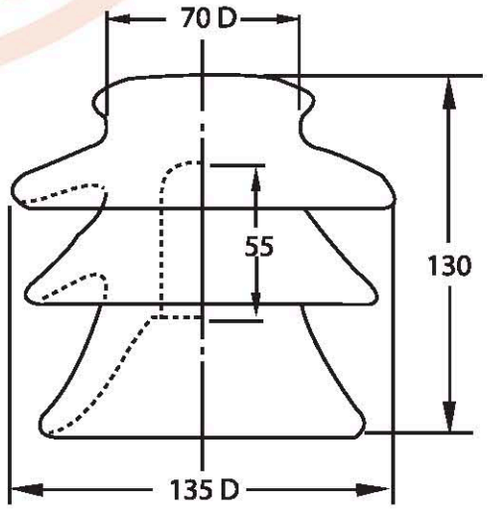
Standard Particulars

CAT. NO.			P 15/BS-F	P 22/BS-F	P 33/BS-F
Voltage Rating		kV	15	22	33
Total Creepage Distance		mm	440	673	851
Protected Creepage Distance		mm	197	267	419
Recommened Pin Height		mm	216	280	330
Cantilever Strength		kN	11	11	11
Power Frequency Flashover Dry		kV	100	125	140
Power Frequency Flashover Wet		kV	65	95	110
50% Impulse Flashover Positive		kV	150	190	210
Power Frequency Withstand Dry		kV	90	110	125
Power Frequency Withstand Wet		kV	60	90	100
Impulse Withstand		kV	140	180	200
Power Frequency Puncture Voltage		kV	150	200	210
Radio - Influence	Test Voltage to Ground	kV	22	30	44
Voltage Data	Maximum RIV AT 1000 KHz	μV	100	200	200
Dimension of Pin Head			Large Steel Head		
Weight Per Piece		kg	4.50	8.70	13.8

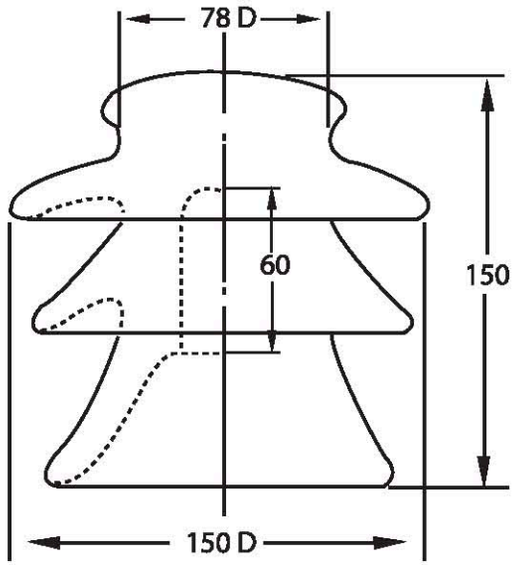
Testing Specifications: B.S. 137 : Part 1 - 1982

PIN TYPE INSULATORS

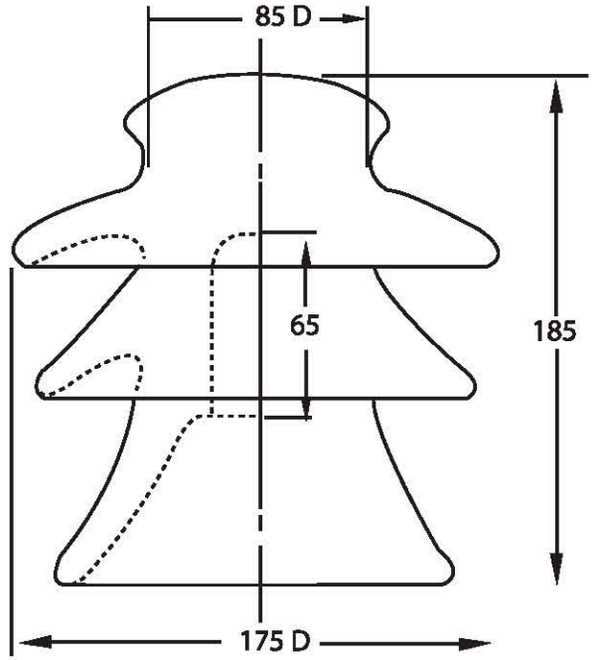
DIN Standard Type



P 10/DIN - N



P 15/DIN - N



P 20/DIN - N

Standard Particulars

CAT. NO.		P 10/DIN - N	P 15/DIN - N	P 20/DIN - N
Voltage Rating	kV	10	15	20
Leakage Distance	mm	260	300	350
Cantilever Strength	kN	12	12	15
Power Frequency Flashover Dry	kV	75	85	100
Power Frequency Flashover Wet	kV	46	58	70
50% Impulse Flashover Positive	kV	110	130	150
50% Impulse Flashover Negative	kV	145	165	190
Power Frequency Withstand Wet	kV	40	50	60
Impulse Withstand	kV	100	110	135
Puncture Voltage	kV	180	180	180
Weight Per Piece	kg	1.55	2.35	3.45

Standard Specifications: DIN 48004