



INSULATOR, SURGE ARRESTER, FUSE CUTOUT

TRIGOLD

上海鑫之机电设备有限公司
TRIGOLD POWER CO., LTD.

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上海鑫之机电设备有限公司
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Brief Introduction

We, TRIGOLD POWER CO., LTD. are founded for import & export. We have more than 25 years experience to deal with power products and sale them to all over the world. We have owned our manufacturers to make:

One is for making porcelain insulator up to 500kv transmission line, such as line post, post insulators, LV insulators ,suspension insulator. The capacity is about 5000tons per year.

Another one is for making power fittings .We could make different fittings up to 500kv transmission line. The capacity is about 10000tons for different products , such as aluminum alloy clamp, casting and forged steel products, malleable iron products, preformed armor rod, PG clamp and so on.

Last one is our polymer insulator factory, who makes different polymer insulators up to 500kv. Such as suspension insulators, pin type insulators, line post, post station, fuse cut out, arrester and so on. The capacity is about USD 5millions per year.

Our all manufacturers have the ISO quality assurance system and ISO9001 certificate. We could supply various products in accordance with IEC, ANSI, ASTM, AS, BS, DIN and ISO standards.

Our Business Scope:

All kinds of Electric & Machinery Products.

Apparatuses of Distribution Station and Sub-station.

Angle Steel and Steel Tube Tower for Transmission Line and Communication.

HV and LV Power Cables Such as ACSR AAC, AAAC, AACSR, ACAR and XLPE.

Porcelain Suspension (Disc) Insulators, Pin Type, Post Type and Other LV Insulators.

Toughened Glass Suspension Insulators.

Polymer Suspension and Post Insulators.

Oxide Surge Arrester.

Fuse Cut- out.

Power Fittings for Transmission Line and Substation.

Cable Accessories.

We always supply our excellent quality products, reasonable prices and reliable honesty to satisfy the customers. Warmly welcome friends in the all over the world to establish a mutual cooperation relationship with us to reach great development together. We will share with you and hope you share with us. Please do not hesitate to contact with us if you have any requirement.

领航未来 行业先锋
Pilot future Industry pioneer

目录

CONTENTS

01	Toughened Glass Suspension Insulators1 - 7
02	Porcelain Suspension Insulators8 - 13
03	Line Post Porcelain Insulators14 - 19
04	Solid-Core Station Post Porcelain Insulators20 - 22
05	Pin Type Porcelain Insulators23 - 28
06	Low Voltage Porcelain Insulators29 - 31
07	Composite Insulators32 - 41
08	Porcelain Transformer Bushing42 - 45
09	Metal Oxide Surge Arrester46 - 47
10	Fuse Cut-Out48

Toughened Glass Insulators of Cap and Pin Type (Normal Type)

IEC ANSI

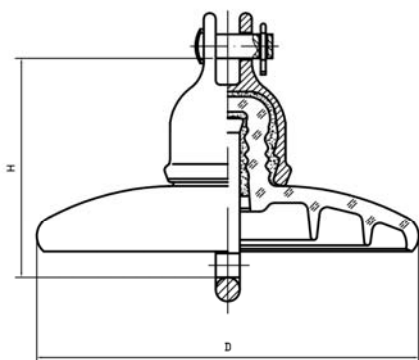


图 (Fig.) 1

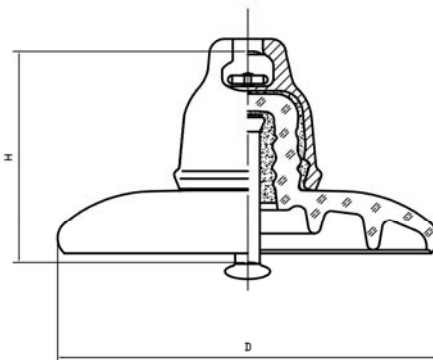


图 (Fig.) 2

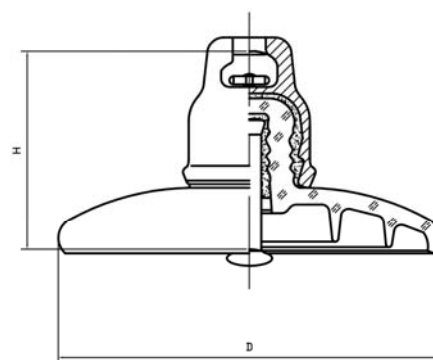


图 (Fig.) 3

Type		U40C	U40B	U70BS/U70B/U70BL	U70C	U80BS/U80B/U80BL	U100BL	U120BS/U120BL
Figure No.		1	2	3	1	3	3	3
Unit Spacing (H)	mm	140	110	127 / 140/ 146	146	127/ 140/ 146	146	146/ 170
Nominal Diameter (D)	mm	175	175	255	255	255	255	255
Nominal Creepage Distance	mm	190	190	320	320	320	320	320
Rated Mechanical Failing Load	kN	40	40	70	70	80	100	120
Routine Tensile Load	kN	20	20	35	35	40	50	60
Coupling Size		11C	11A	16A/16B	16C	16A/16B	16A/16B	16A/16B
Impact Strength	N.m	5	5	6	6	6	6	6
Power Frequency Withstand Voltage	Dry	kV	55	55	70	70	70	70
	Wet	kV	30	30	40	40	40	40
Dry Lightning Impulse Withstand Voltage	kV	75	75	100	100	100	100	100
Power Frequency Puncture Voltage	kV	90	90	130	130	130	130	130
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
Net Weight, Each, Approx.	kg	2.8	2.5	3.7	3.9	3.8	4.1	4.2

Toughened Glass Insulators of Cap and Pin Type (Normal Type) IEC ANSI

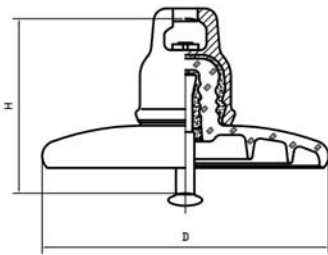
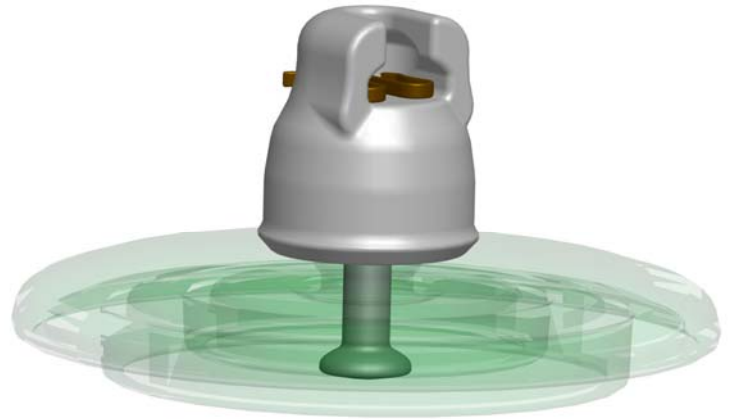


图 (Fig.) 4

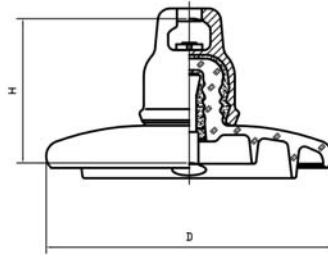


图 (Fig.) 5

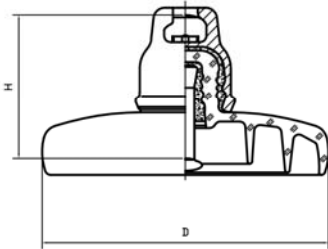


图 (Fig.) 6

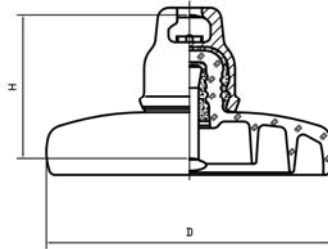


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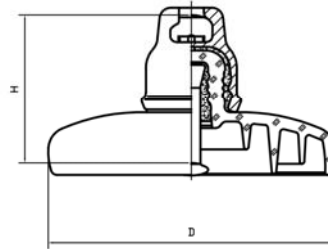


图 (Fig.) 8

Type		U125BS/U125BL	U160BS/U160BL	U210BS/U210BL	U240B	U300B	U400B	U530B
Figure No.		4	5	6	6	7	8	8
Unit Spacing (H)	mm	146/ 170	146/ 170	155/ 170	170	195	205	240
Nominal Diameter (D)	mm	255	280	280	280	320	360	380
Nominal Creepage Distance	mm	320	380	380	380	485	550	600
Rated Mechanical Failing Load	kN	125	160	210	240	300	400	530
Routine Tensile Load	kN	62.5	80	105	120	150	200	265
Coupling Size		20	20	20	24	24	28	32
Impact Strength	N.m	6	10	10	10	10	10	10
Power Frequency Withstand Voltage	Dry	kV	70	75	75	75	90	95
	Wet	kV	40	45	45	45	50	55
Dry Lightning Impulse Withstand Voltage	kV	100	110	110	110	110	140	140
Power Frequency Puncture Voltage	kV	130	130	130	130	130	130	130
Radio Interference Voltage	Test Voltage to Ground	kV	10	105	105	10	10	10
	Max. RIV at 1MHz	uV	50	50	50	50	50	50
Net Weight, Each, Approx.	kg	4.5	6.2	6.7	6.8	10.7	16	21.5

Toughened Glass Insulators of Cap and Pin Type (Spherical Type)

IEC ANSI

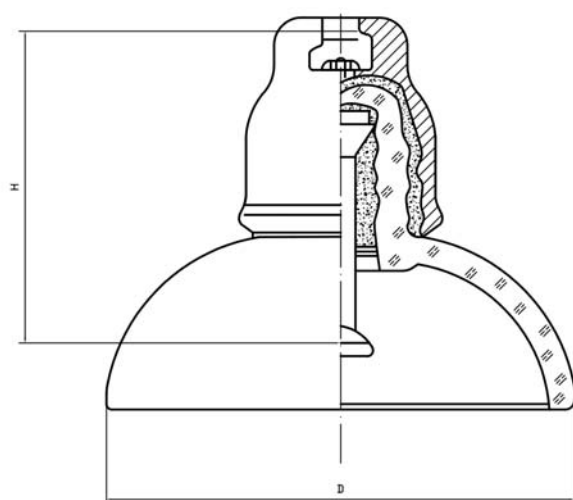


图 (Fig.) 12

Type			LXQY-70	LXQY-80	LXQY-100	LXQY120
Figure No.			12	12	12	12
Unit Spacing (H)		mm	146	146	146	140/146
Nominal Diameter (D)		mm	255	255	255	255
Nominal Creepage Distance		mm	320	320	320	320
Rated Mechanical Failing Load		kN	70	80	100	120
Routine Tensile Load		kN	35	40	50	60
Coupling Size			16A/16B	16A/16B	16A/16B	16A/16B
Impact Strength		N.m	7	7	7	7
Power Frequency Withstand Voltage	Dry	kV	70	70	70	70
	Wet	kV	40	40	40	40
Dry Lightning Impulse Withstand Voltage		kV	100	100	100	100
Power Frequency Puncture Voltage		kV	130	130	130	130
Radio Interference Voltage	Test Voltage to Ground	kV	10	10	10	10
	Max. RIV at 1MHz	uV	50	50	50	50
Net Weight, Each, Approx.		kg	4	4.05	4.10	4.15

Toughened Glass Insulators of Cap and Pin Type (Anti-Pollution Type) IEC ANSI

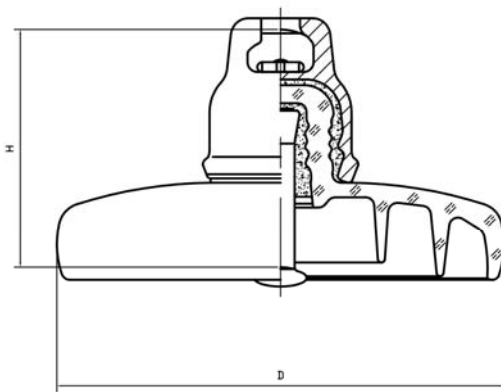


图 (Fig.) 13

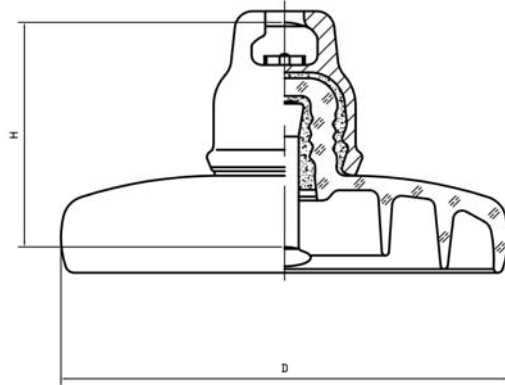


图 (Fig.) 14

Type		U70BP	U70BLP	U80BP	U80BLP	U100BLP	U120BP
Figure No.		13	14	13	14	14	14
Unit Spacing (H)	mm	146	146	146	146	146	146 / 170
Nominal Diameter (D)	mm	255	280	255	280	280	280
Nominal Creepage Distance	mm	400	450	400	450	450	450
Rated Mechanical Failing Load	kN	70	70	80	80	100	120
Routine Tensile Load	kN	35	35	40	40	50	60
Coupling Size		16	16	16	16	16A/16B	16A/16B
Impact Strength	N.m	6	6	6	6	10	10
Power Frequency Withstand Voltage	Dry	kV	80	80	80	80	80
	Wet	kV	43	43	43	43	45
Dry Lightning Impulse Withstand Voltage	kV	120	120	120	120	120	120
Power Frequency Puncture Voltage	kV	130	130	130	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
Net Weight, Each, Approx.	kg	4.8	5.3	4.9	5.4	5.4	6.2

Toughened Glass Insulators of Cap and Pin Type (Anti-Pollution Type)

IEC ANSI

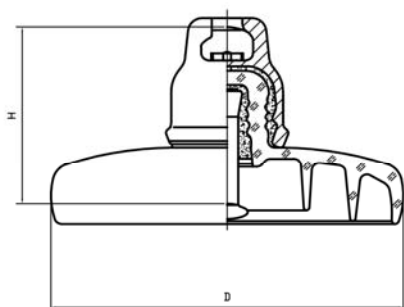


图 (Fig.) 15

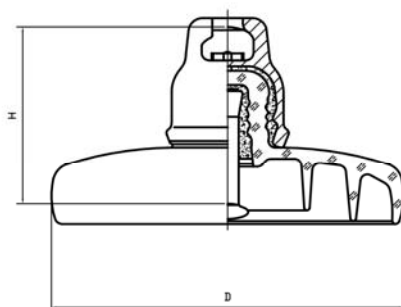


图 (Fig.) 16

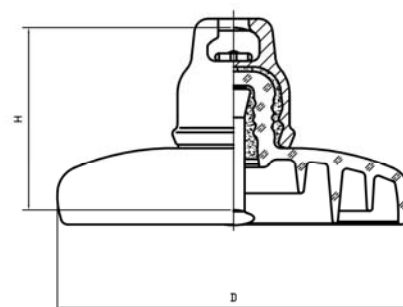


图 (Fig.) 17

Type			U160BP	U160BLP	U210BLP	U240BLP	U300BP	U300BP
Figure No.			15	16	16	16	17	17
Unit Spacing (H)	mm		146/155/170	170/195	170/195	170/195	195	170/195
Nominal Diameter (D)	mm		280	320	320	320	320	380
Nominal Creepage Distance	mm		450	540	550	550	550	635
Rated Mechanical Failing Load	kN		160	160	210	240	300	300
Routine Tensile Load	kN		80	80	105	120	150	150
Coupling Size			20	20/24	20/24	20/24	24	24
Impact Strength	N.m		10	10	10	10	10	10
Power Frequency Withstand Voltage	Dry	kV	80	90	90	90	90	90
	Wet	kV	45	55	55	55	55	55
Dry Lightning Impulse Withstand Voltage	kV		120	135	135	135	135	135
Power Frequency Puncture Voltage	kV		130	130	130	130	130	130
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
Net Weight, Each, Approx.	kg		7	8.8	9.2	9.4	11.3	14.3

Toughened Glass Insulators of Cap and Pin Type (D.C. Type) IEC 61325

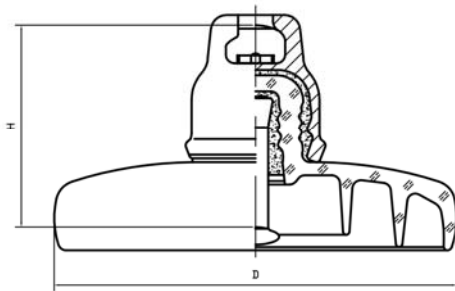


图 (Fig.) 18

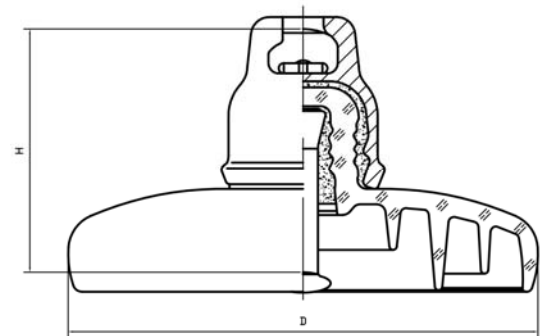


图 (Fig.) 19

Type			LXZY-160	LXZY-210	LXZY-300	LXZY-400
Figure No.			18	18	18	19
Unit Spacing (H)	mm		170	170	195	205
Nominal Diameter (D)	mm		320	320	400	360
Nominal Creepage Distance	mm		550	550	630	550
Rated Mechanical Failing Load	kN		160	210	300	400
Routine Tensile Load	kN		80	105	150	200
Coupling Size			20	20	24	28
Impact Strength	N.m		10	10	10	10
D.C Withstand Voltage	Dry	kV	140	140	145	140
	Wet	kV	55	55	60	55
D.C Flashover Voltage	Dry	kV	155	155	165	155
	Wet	kV	60	60	65	60
Dry Lightning Impulse Withstand Voltage	kV		140	140	150	140
Puncture Voltage IN SF6	kV		+210	+210	+220	+210
Net Weight, Each, Approx.	kg		9.6	10	14.3	16

Toughened Glass Insulators of Cap and Pin Type (Open Profile Type) IEC ANSI

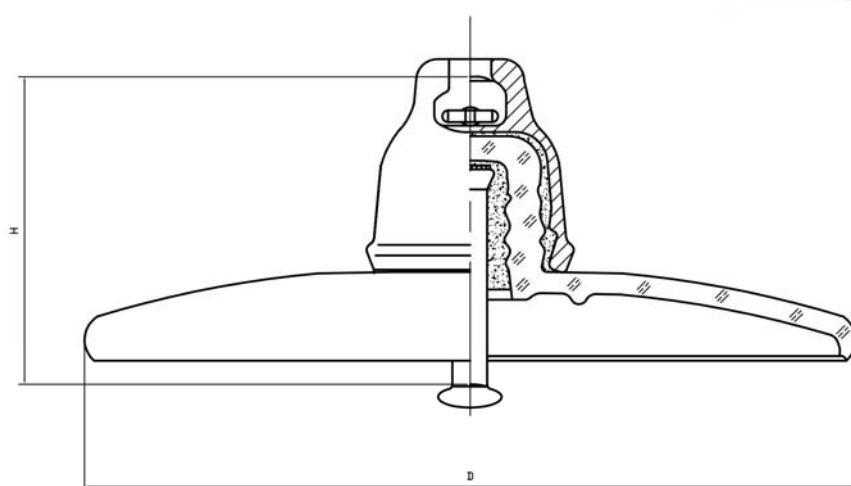
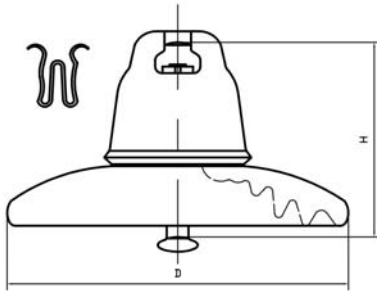
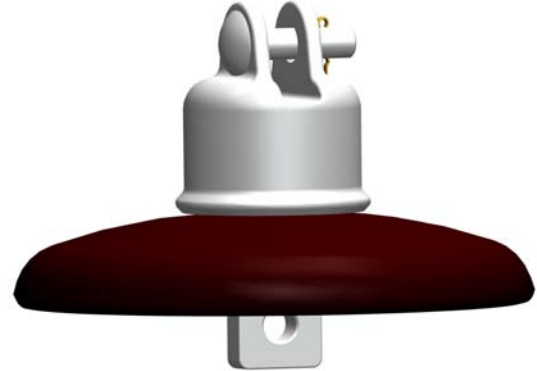


图 (Fig.) 20

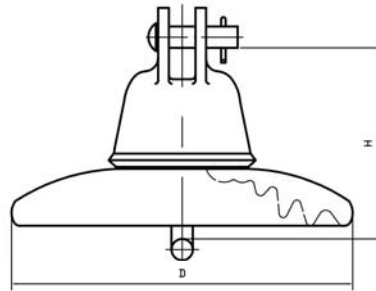
Type		LXAY-120	LXAY-160	LXAY-210	LXAY-240
Figure No.		20	20	20	20
Unit Spacing (H)	mm	140/146	146/170	146/170	170
Nominal Diameter (D)	mm	390	390/405	390/405	390/405
Nominal Creepage Distance	mm	360	360/380	360/380	360/380
Rated Mechanical Failing Load	kN	120	160	210	240
Routine Tensile Load	kN	60	80	105	120
Coupling Size		16A/16B	20	20	24
Power Frequency Withstand Voltage	Dry	kV	70	75	75
	Wet	kV	40	45	45
Dry Lightning Impulse Withstand Voltage	kV	105	110	110	110
Power Frequency Puncture Voltage	kV	130	130	130	130
Radio Interference Voltage	Test Voltage to Ground	kV	10	10	10
	Max. RIV at 1MHz	uV	50	50	50
Net Weight, Each, Approx.	kg	5.3	7	7.5	7.65

Cap and Pin Suspension Porcelain Insulators IEC BS AS

The following suspension insulators comply with the IEC. BS, AS Standards. The glaze colour of the insulators are brown, light gray, blue.etc. . The specified suspension insulators differing in diameter, unit spacing and creepage distance can also be provided, In addition, according to special requirements , these insulators can be provided with zinc sleeve pins.



XP - 70
XP - 80
XP - 100

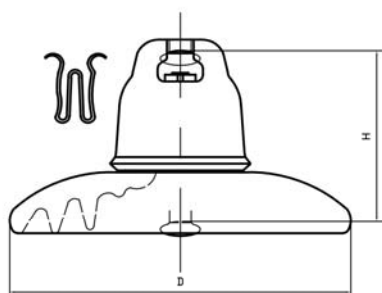
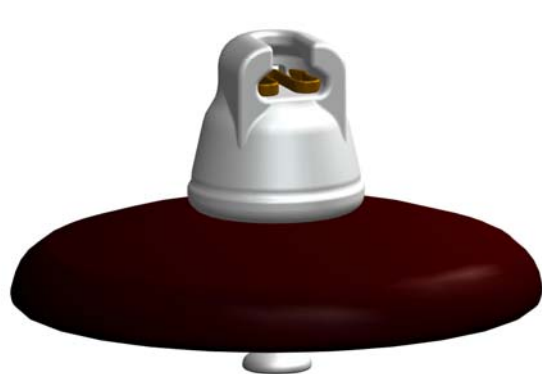


XP - 70c
XP - 80c

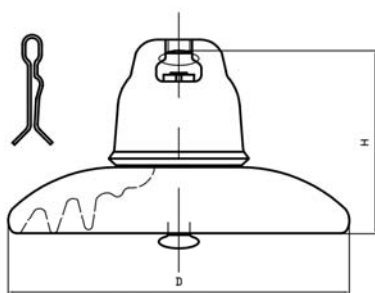
IEC Class		U70BL	U70C	U80BL	U80C	U100BL
Type		XP - 70	XP - 70C	XP - 80	XP - 80C	XP - 100
Porcelain Disc Diameter, D. mm		254	254	254	254	254
Unit Spacing, H. mm		146	146	146	146	146
Standard Coupling to IEC 120 & 471		16B / 16A	16C	16B	16C	16B
Creepage Distance, mm		320	320	320	320	320
Combined M & E Strength, kN		70	70	80	80	100
Routine Test Load, kN		28	28	32	32	40
Power Frequency Flashover Voltage	Dry, kV	78	78	78	78	78
	Wet, kV	45	45	45	45	45
50% Impulse Flashover Voltage	Pos., kV	120	120	120	120	120
	Neg., kV	125	125	125	125	125
Power Frequency Withstand Voltage	Dry, kV	70	70	70	70	70
	Wet, kV	40	40	40	40	40
Impulse Withstand Voltage, kV		110	110	110	110	110
Power Frequency Puncture Voltage, kV		110	110	110	110	110
Net Weight, Each, Approx. , kg		4.6	4.6	4.6	4.6	5.5
Number in Standard Package		6	6	6	6	6

Cap and Pin Suspension Porcelain Insulators IEC BS AS

The following suspension insulators comply with the IEC. BS, AS Standards. The glaze colour of the insulators are brown, light gray, blue.etc. . The specified suspension insulators differing in diameter, unit spacing and creepage distance can also be provided, In addition, according to special requirements , these insulators can be provided with zinc sleeve pins.



XP - 120
XP - 160



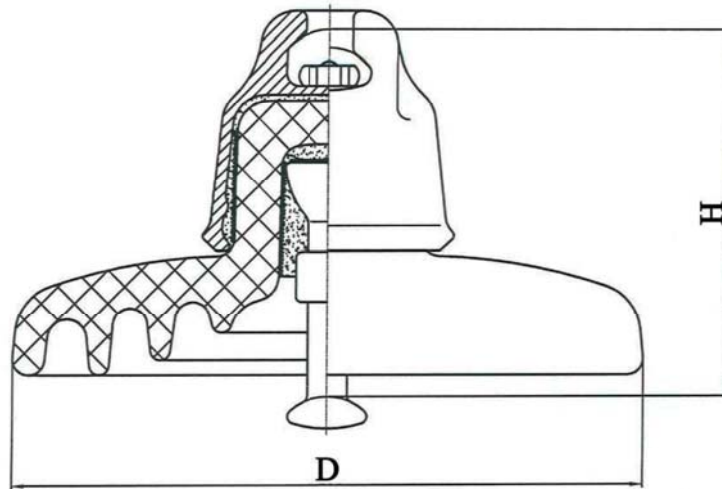
XP - 210
XP - 300

IEC Class		U120BS	U160BS	U210BS	U300B
Type		XP - 120	XP - 160	XP - 210	XP - 300
Porcelain Disc Diameter, D. mm		254	280	280	320
Unit Spacing, H. mm		146	146	170	195
Standard Coupling to IEC 120		16B / 16A	20	20	24
Creepage Distance, mm		320	305	335	375
Combined M & E Strength, kN		120	160	210	300
Routine Test Load, kN		48	64	84	120
Power Frequency	Dry, kV	78	80	80	90
Flashover Voltage	Wet, kV	45	47	47	53
50% Impulse Flashover Voltage	Pos., kV	120	125	125	135
	Neg., kV	125	130	130	140
Power Frequency	Dry, kV	70	75	75	80
Withstand Voltage	Wet, kV	40	45	45	47
Impulse Withstand Voltage, kV		110	115	115	125
Power Frequency Puncture Voltage, kV		110	110	120	130
Net Weight, Each, Approx. , kg		6	7.5	9.0	13.5
Number in Standard Package		6	4	3	3

Cap and Pin Suspension Porcelain Insulators

IEC BS AS

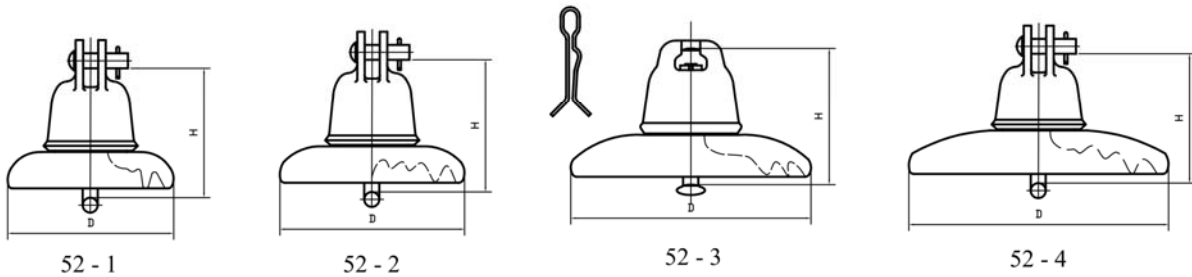
Straight Head Type



Type		U40B	U70B	XHP-80	U120B	U120BP	U160BLP	U210BP
Spacing H, mm		146	146	146	146	146	170	170
Nominal diameter D, mm		255	255	255	255	280	330	330
Nominal creepage distance, mm		320	320	430	320	450	525	525
Rated M&E failing load, kN		40	70	80	120	120	160	210
Routine tensile load, kN		20	35	40	60	60	80	105
Coupling Size		16	16	16	16	16	20	20
Power frequency withstand voltage	Dry, kV	75	75	85	75	85	90	90
	Wet, kV	45	45	50	45	50	55	55
Dry lightning impulse withstand voltage, kV		75	100	110	100	125	130	130
Power frequency puncture voltage, kV		110	110	115	110	120	130	130
Radio Influence voltage	Test voltage to ground, kV	10	10	10	10	10	10	10
	Max. RIV at 1MHz, uV	50	50	50	50	50	50	50

Cap and Pin Suspension Porcelain Insulators ANSI

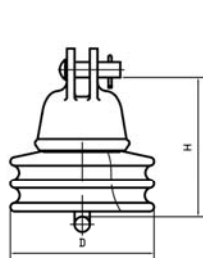
The following suspension insulators comply with American Standard ANSI. The glaze colour of the insulators are brown or light gray, etc. .



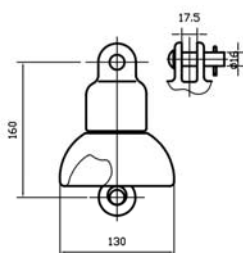
ANSI Class Type		52 - 1	52 - 2	52 - 3	52 - 3	52 - 4	52 - 4
Porcelain Disc Diameter, D. mm		152	190	254	254	254	254
Unit Spacing, H. mm		140	146	146	146	146	146
Creepage Distance, mm		178	210	292	292	292	292
Combined M & E Strength, kN		44	67	67	89	67	89
Impact Strength, N - m		5	5.5	6	6	6	6
Routine Proof Test Load, kN		22	33.5	33.5	44.5	33.5	44.5
Time Load Test Value, kN		27	44	44	53.4	44	53.4
Low Frequency Flashover Voltage	Dry, kV	60	65	80	80	80	80
	Wet, kV	30	35	50	50	50	50
Critical Impulse Flashover Voltage	Pos., kV	100	115	125	125	125	125
	Neg., kV	100	115	130	130	130	130
Low Frequency Puncture Voltage, kV		80	90	110	110	110	110
Radio Influence Voltage Data	Test Voltage to Ground, kV	7.5	7.5	10	10	10	10
	Max. RIV at 1000 KHz, uV	50	50	50	50	50	50
Net Weight, Each, Approx. , kg		2.5	3.5	4.6	5.2	4.6	5.2
Number in Standard Package		12	9	6	6	6	6

Cap and Pin Suspension Porcelain Insulators ANSI

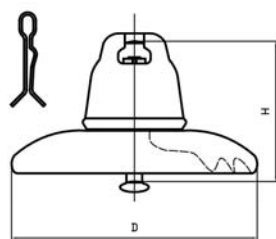
The following suspension insulators comply with American Standard ANSI. The glaze colour of the insulators are brown or light gray, etc. .



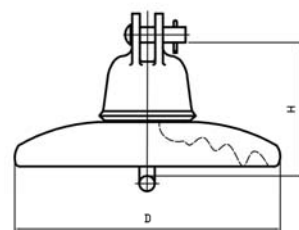
52 - 9A



52 - 9B



52 - 5
52 - 8
52 - 11

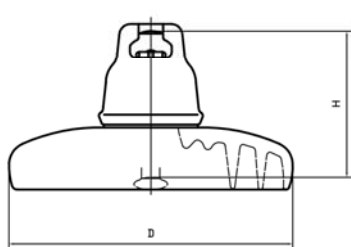
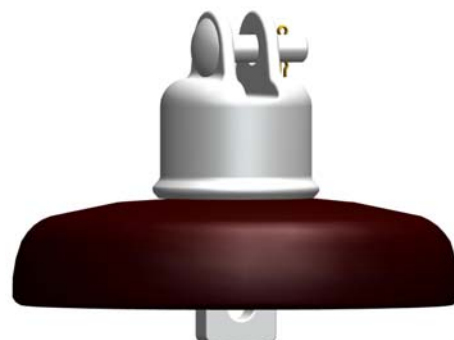


52 - 6
52 - 10
52 - 12

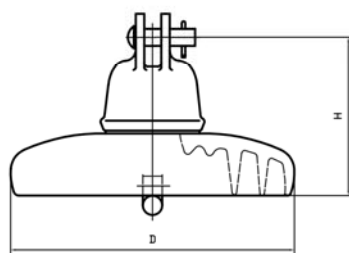
ANSI Class Type		52 - 5	52 - 6	52 - 8	52 - 9A/B	52 - 10	52 - 11	52 - 12
Porcelain Disc Diameter, D. mm		254	254	280	108	280	300	300
Unit Spacing, H. mm		146	146	146	160	165	156	178
Creepage Distance, mm		292	292	305	171	305	381	381
Combined M & E Strength, kN		111	111	160	44	160	222	222
Impact Strength, N - m		7	7	10	5	10	10	10
Routine Proof Test Load, kN		55.5	55.5	80	22	80	111	111
Time Load Test Value, kN		67	67	107	27	107	133	133
Low Frequency Flashover Voltage	Dry, kV	80	80	80	60	80	80	80
	Wet, kV	50	50	50	30	50	50	50
Critical Impulse Flashover Voltage	Pos., kV	125	125	125	100	125	140	140
	Neg., kV	130	130	130	90	130	140	140
Low Frequency Puncture Voltage, kV		110	110	110	80	110	125	125
Radio Influence Voltage Data	Test Voltage to Ground, kV	10	10	10	7.5	10	10	10
	Max. RIV at 1000 KHz, uV	50	50	50	50	50	50	50
Net Weight, Each, Approx. , kg		5.5	5.5	7.5	2.5	7.9	9.2	9.5
Number in Standard Package		6	6	6	6	6	6	6

Anti - Pollution Type Cap and Pin Suspension Porcelain Insulators IEC ANSI BS AS

With large protective creepage distance, the following fog type disc suspension insulators are suitable for operation at coastland, salt filth area and chemical polluted area. They are designed with the structure of deep grooves which can keep their bottoms dry and restrain power occurrence. This kind of fog type insulators can separately meet the IEC, ANSI, BS and AS Standards. The glaze colour of the insulators are brown, light gray, blue, etc. In addition, according to special requirements, these insulators can be provided with zinc sleeve pins.



XHP - 70 XHP - 100
XHP - 80 XHP - 120



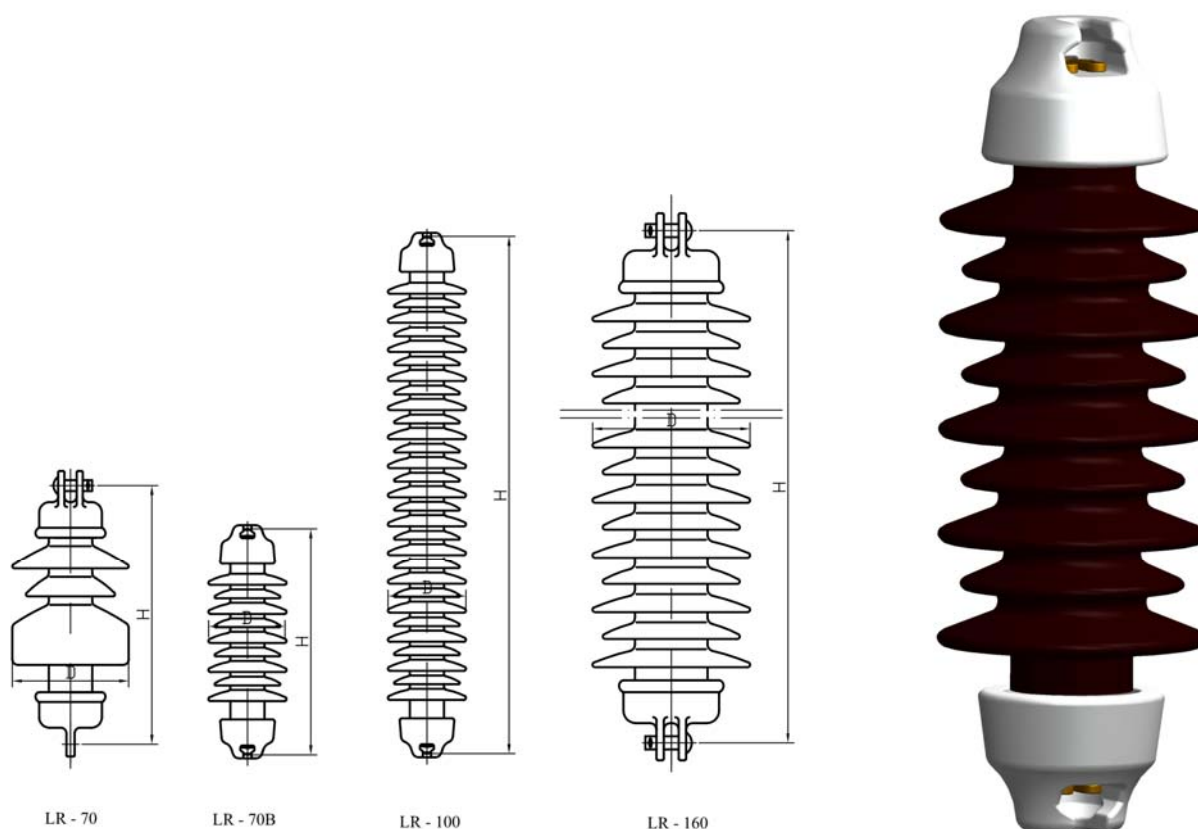
XHP - 70C
XHP - 80C

Type		XHP - 70	XHP - 70C	XHP - 80	XHP - 80C	XHP - 100	XHP - 120
Porcelain Disc Diameter, D, mm		254	254	254	254	254	254
Unit Spacing, H, mm		146	146	146	146	146	146
Standard Coupling to IEC 120 & 471		16B/16A	16C	16B	16C	16B	16B/16A
Creepage Distance, mm		450	450	450	450	450	450
Combined M & E Strength, kN		70	70	80	80	100	120
Routine Test Load, kN		28	28	32	32	40	48
Power Frequency	Dry, kV	90	90	90	90	90	90
Flashover Voltage	Wet, kV	50	50	50	50	50	50
50% Impulse Flashover Voltage, kV		125	125	125	125	125	125
Power Frequency	Dry, kV	80	80	80	80	80	80
Withstand Voltage	Wet, kV	45	45	45	45	45	45
Impulse Withstand Voltage, kV		115	115	115	115	115	115
Power Frequency Puncture Voltage, kV		120	120	120	120	120	120
Net Weight, Each, Approx. , kg		6.5	6.8	6.5	6.8	7.5	7.8
Number in Standard Package		5	5	5	5	5	5

Long Rod Porcelain Insulators

IEC

The following long rod insulators comply with IEC Standard. The glaze colour of the insulators are brown, light gray, etc.

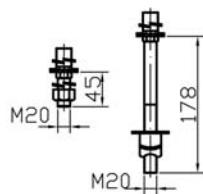
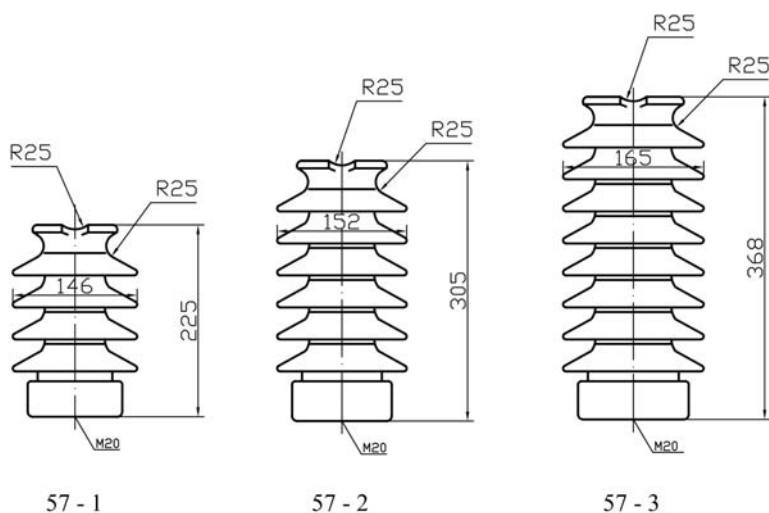


Type		LR - 70	LR - 70B	LR - 100	LR - 160
Creepage Distance / Protected Creepage Distance, mm		635 / 318	1000	3150	4500
Main Dimensions	H, mm	381	550	1250	1480
	D, mm	175	180	190	210
Tension Strength, kN		70	70	100	160
Impulse Withstand Voltage, kV		125	250	550	650
Power Frequency Puncture Voltage, kV		65	95	230	275
Standard Coupling to IEC 120		16	16	16	19L
Net Weight, Each, Approx. , kg		9	15	38	54
Number in Standard Package		2	1	1	1

Line Post Porcelain Insulators

ANSI

The following line post insulators comply with American Standard ANSI. The glaze colour of the insulators are brown, light gray, etc. . The dimension of neck is in accordance with "F".

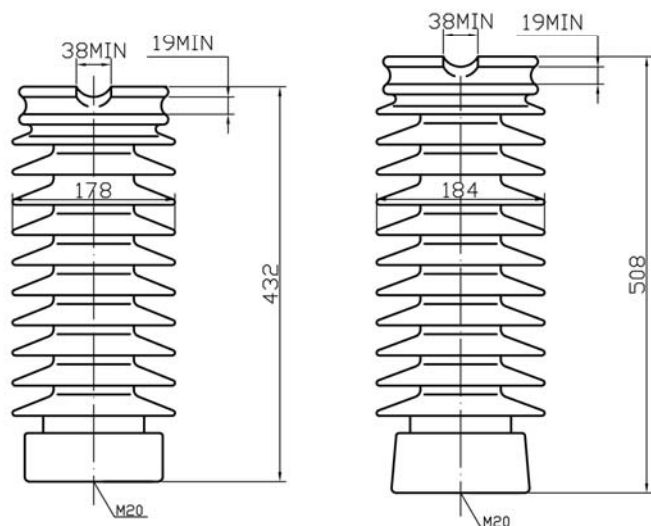


ANSI Class Type		57 - 1	57 - 2	57 - 3
Creepage Distance, mm		356	559	737
Dry Arcing Distance, mm		165	241	311
Cantilever Strength, kN		12.5	12.5	12.5
Low Frequency Flashover Voltage	Dry, kV	80	110	125
	Wet, kV	60	85	100
Critical Impulse Flashover Voltage	Pos., kV	130	180	210
	Neg., kV	155	205	260
Radio Influence Voltage Data	Test Voltage to Ground, kV	15	22	30
	Max. RIV at 1000 KHz, uV	100	100	200
Net Weight, Each, Approx. , kg		5.2	9.0	11.0
Number in Standard Package		6	3	3

Line Post Porcelain Insulators

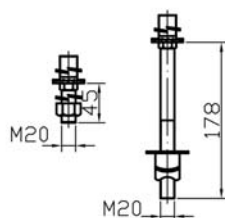
ANSI

The following line post insulators comply with American Standard ANSI. The glaze colour of the insulators are brown, light gray, etc. . The dimension of neck is in accordance with "N".



57 - 4

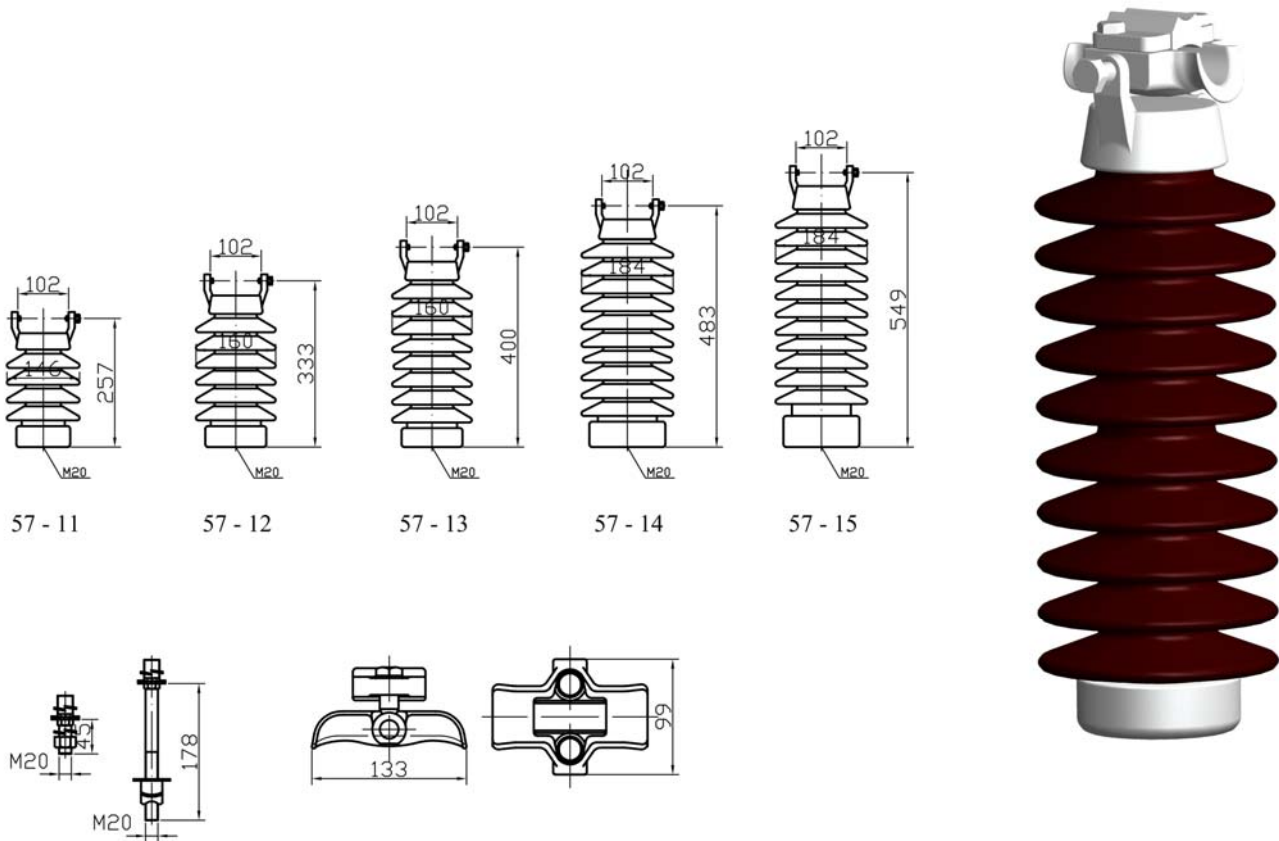
57 - 5



ANSI Class Type		57 - 4	57 - 5
Creepage Distance, mm		1015	1145
Dry Arcing Distance, mm		368	438
Cantilever Strength, kN		12.5	12.5
Low Frequency Flashover Voltage	Dry, kV	150	175
	Wet, kV	125	150
Critical Impulse Flashover Voltage	Pos., kV	255	290
	Neg., kV	340	380
Radio Influence Voltage Data	Test Voltage to Ground, kV	44	44
	Max. RIV at 1000 KHz, uV	200	200
Net Weight, Each, Approx. , kg		16	23
Number in Standard Package		2	2

Vertical Mounting Line Post Porcelain Insulators ANSI

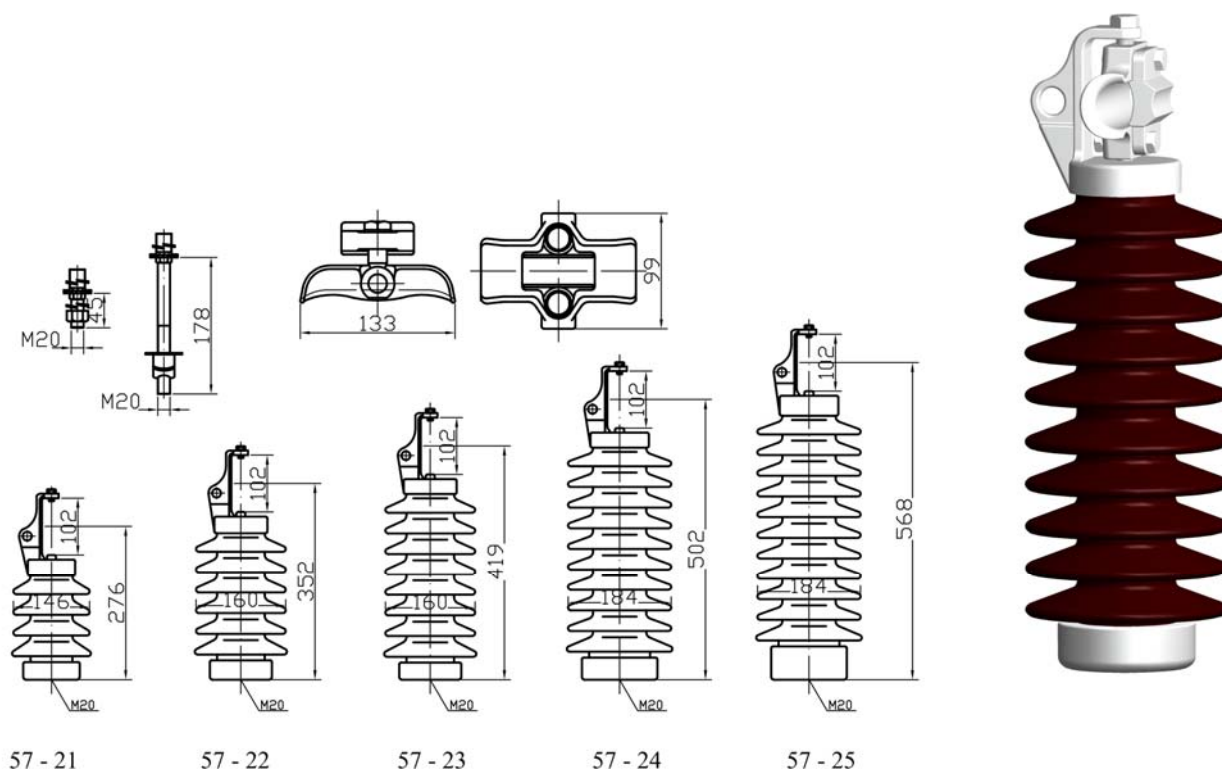
The following line post insulators comply with American Standard ANSI. The glaze colour of the insulators are brown, light gray, etc. .



ANSI Class Type		57 - 11	57 - 12	57 - 13	57 - 14	57 - 15
Creepage Distance, mm		356	559	737	1015	1145
Dry Arcing Distance, mm		165	241	311	368	438
Cantilever Strength, kN		12.5	12.5	12.5	12.5	12.5
Low Frequency Flashover Voltage	Dry, kV	80	110	125	150	175
	Wet, kV	60	85	100	125	150
Critical Impulse Flashover Voltage	Pos., kV	130	180	210	255	290
	Neg., kV	155	205	260	340	380
Radio Influence Voltage Data	Test Voltage to Ground, kV	15	22	30	44	44
	Max. RIV at 1000 KHz, uV	100	100	200	200	200
Net Weight, Each, Approx. , kg		6.8	10	11.8	15.9	18.6
Number in Standard Package		6	3	3	2	2

Horizontal Mounting Line Post Porcelain Insulators ANSI

The following line post insulators comply with American Standard ANSI. The glaze colour of the insulators are brown, light gray, etc. .

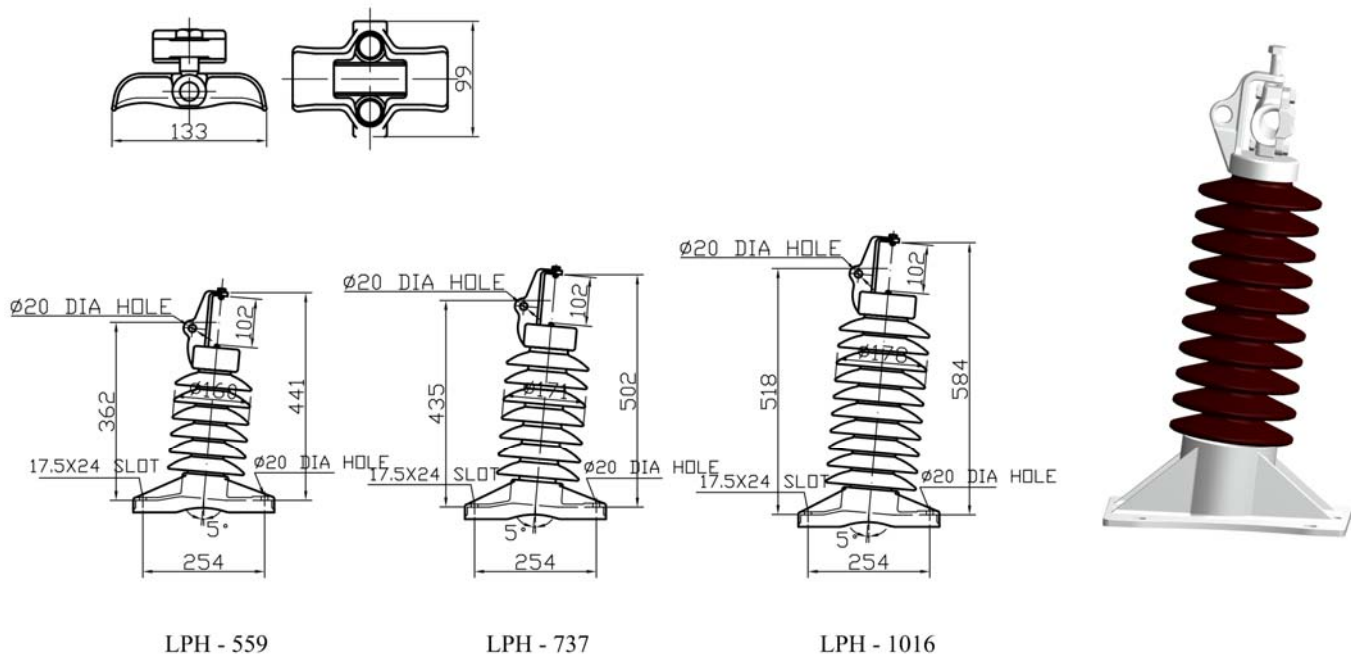


ANSI Class Type		57 - 21	57 - 22	57 - 23	57 - 24	57 - 25
Creepage Distance, mm		356	559	737	1015	1145
Dry Arcing Distance, mm		165	241	311	368	438
Cantilever Strength, kN		12.5	12.5	12.5	12.5	12.5
Tension Strength, kN		22.2	22.2	22.2	22.2	22.2
Low Frequency Flashover Voltage	Dry, kV	80	110	125	150	175
	Wet, kV	70	100	115	135	160
Critical Impulse Flashover Voltage	Pos., kV	130	180	210	255	290
	Neg., kV	155	205	260	340	380
Radio Influence Voltage Data	Test Voltage to Ground, kV	10	22	30	44	44
	Max. RIV at 1000 KHz, uV	100	100	200	200	200
Net Weight, Each, Approx. , kg		7.5	10.5	12.7	16.8	19.5
Number in Standard Package		3	3	3	2	2

Line Post Porcelain Insulators

Horizontal Mounting, With Integral Base, Clamp-top Type

ANSI



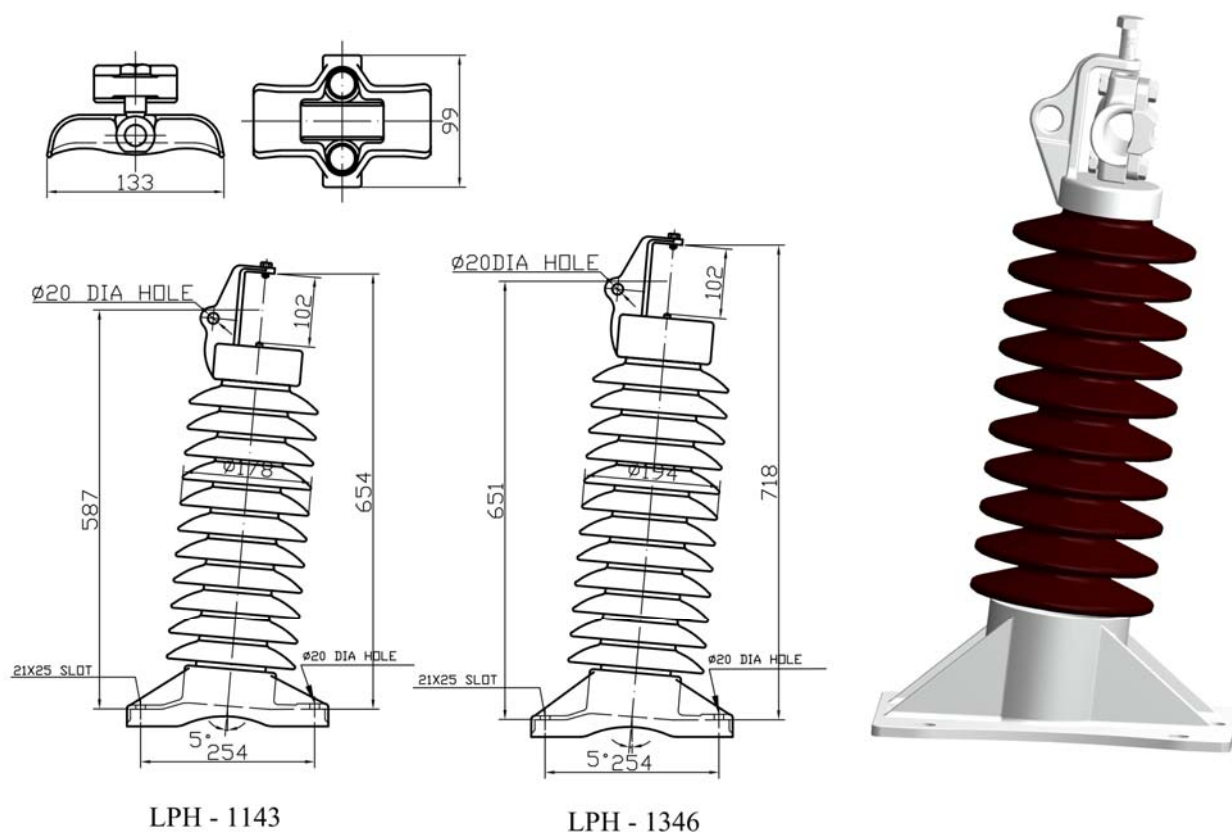
STANDARD PARTICULARS

Type		LPH - 559	LPH - 737	LPH - 1016
Creepage Distance, mm		559	737	1016
Dry Arcing Distance, mm		241	311	368
Cantilever Strength, kN		12.5	12.5	12.5
Cantilever Proof Test Load, kN		5	5	5
Low Frequency Flashover Voltage	Dry, kV	110	125	150
	Wet, kV	100	115	135
Critical-Impulse Flashover Voltage	Positive, kV	180	210	255
	Negative, kV	205	260	340
Radio-Influence Voltage Data	Test Voltage to Ground, kV	22	30	44
	Maximum RIV at 1000 KHz, uV	100	200	200
Net Weight, Each, Approx., kg		13.2	17.2	22.2

Line Post Porcelain Insulators

Horizontal Mounting, With Integral Base, Clamp-top Type

ANSI

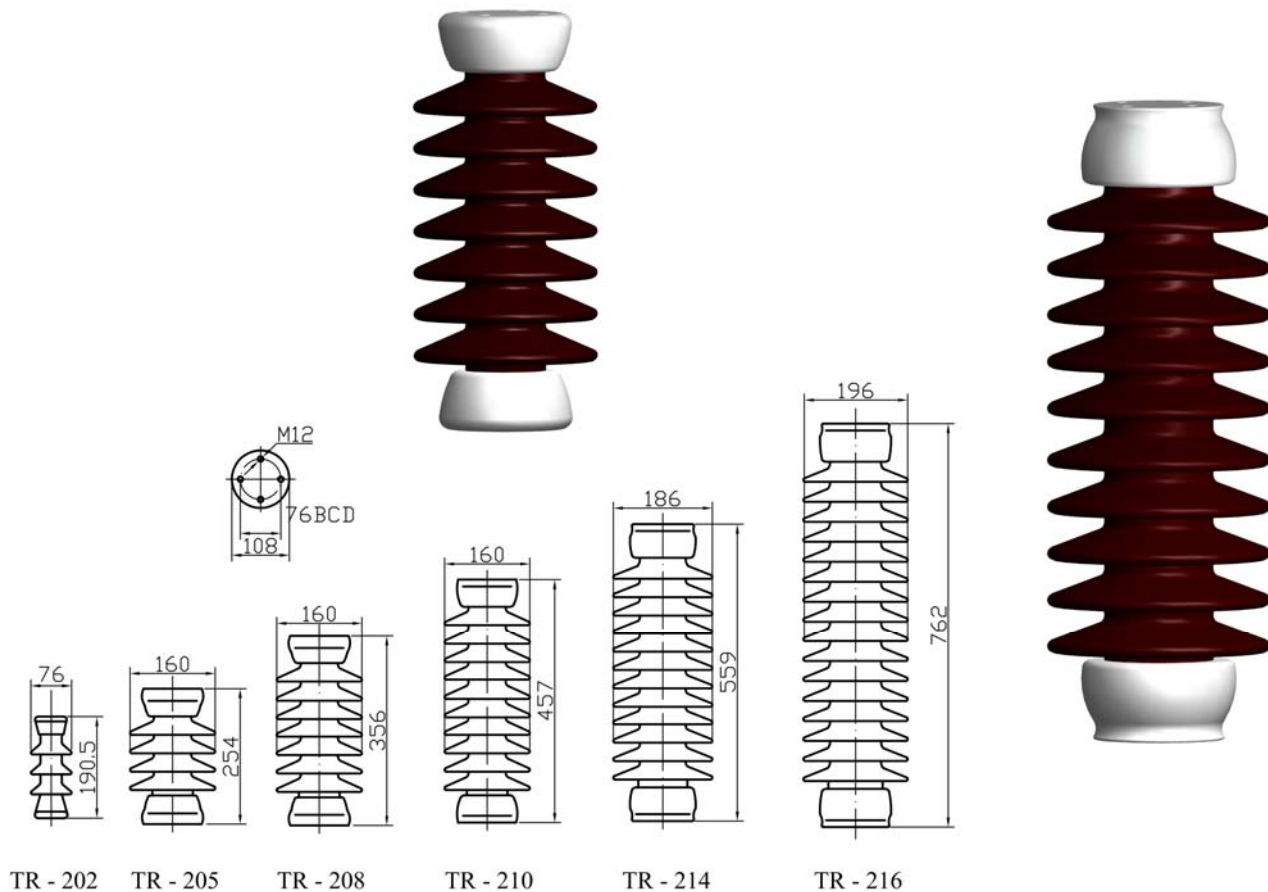


STANDARD PARTICULARS

Type		LPH - 1143	LPH - 1346
Creepage Distance, mm		1143	1346
Dry Arcing Distance, mm		438	489
Cantilever Strength, kN		12.5	12.5
Cantilever Proof Test Load, kN		5	5
Low Frequency Flashover Voltage	Dry, kV	175	200
	Wet, kV	160	180
Critical-Impulse Flashover Voltage	Positive, kV	290	330
	Negative, kV	380	425
Radio-Influence Voltage Data	Test Voltage to Ground, kV	44	44
	Maximum RIV at 1000 KHz, uV	200	200
Net Weight, Each, Approx., kg		27.7	31.8

Solid-Core Station Post Porcelain Insulators ANSI

The following Solid-Core station post insulators comply with the American Standard ANSI. The glaze colour of the insulators are brown, light gray. etc. .

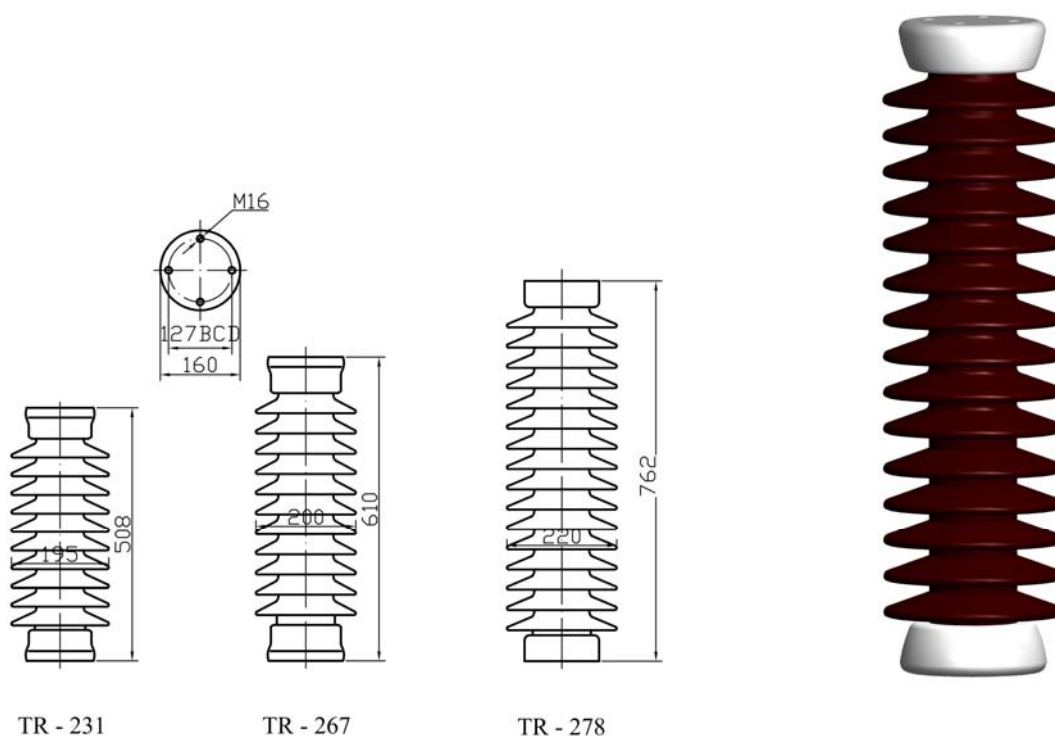


ANSI Class Type		TR - 202	TR - 205	TR - 208	TR - 210	TR - 214	TR - 216
Creepage Distance, mm		267	394	610	940	1092	1829
Cantilever Strength, kN		8.9	8.9	8.9	8.9	8.9	6.7
Tension Strength, kN		38	38	44.5	53	62	71
Torsion Strength, N - m		678	791	904	1130	1356	1695
Compression Strength, kN		44.5	44.5	44.5	66.7	66.7	111
Low Frequency Flashover Voltage	Dry, kV	60	85	110	145	170	235
	Wet, kV	40	55	75	100	125	180
Critical Impulse Flashover Voltage	Pos., kV	105	125	170	225	280	390
	Neg., kV	120	200	250	290	340	475
Low Frequency Withstand Voltage	Dry, kV	36	50	70	95	120	175
	Wet, kV	30	45	60	80	100	145
Impulse Withstand Voltage, kV		95	110	150	200	250	350
Net Weight, Each, Approx. , kg		4.5	7	11	15.4	20.5	29
Number in Standard Package		6	3	3	2	2	1

Solid-Core Station Post Porcelain Insulators

ANSI

The following Solid-Core station post insulators comply with the American Standard ANSI. The glaze colour of the insulators are brown, light gray. etc. .



ANSI Class Type		TR - 231	TR - 267	TR - 278
Creepage Distance, mm		940	1092	1829
Cantilever Strength, kN		17.8	17.8	13.3
Tension Strength, kN		111.2	111.2	111.2
Torsion Strength, N - m		2.26	2.26	4.52
Compression Strength, kN		133	267	267
Low Frequency Flashover Voltage	Dry, kV	145	170	235
	Wet, kV	100	125	180
Critical Impulse Flashover Voltage	Pos., kV	225	280	390
	Neg., kV	290	340	475
Low Frequency Withstand Voltage	Dry, kV	95	120	175
	Wet, kV	80	100	145
Impulse Withstand Voltage, kV		200	250	350
Net Weight, Each, Approx. , kg		25	28	37.7
Number in Standard Package		1	1	1

24kV-252kV Solid-Core Station post Porcelain Insulator IEC.GB.

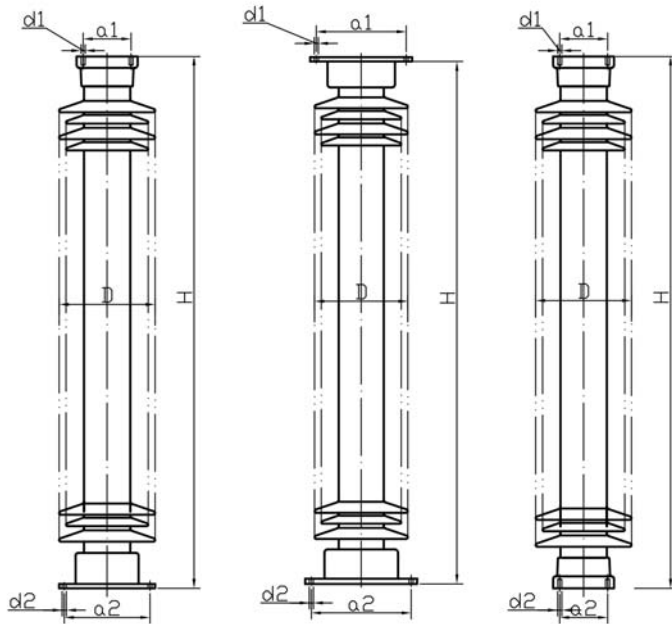
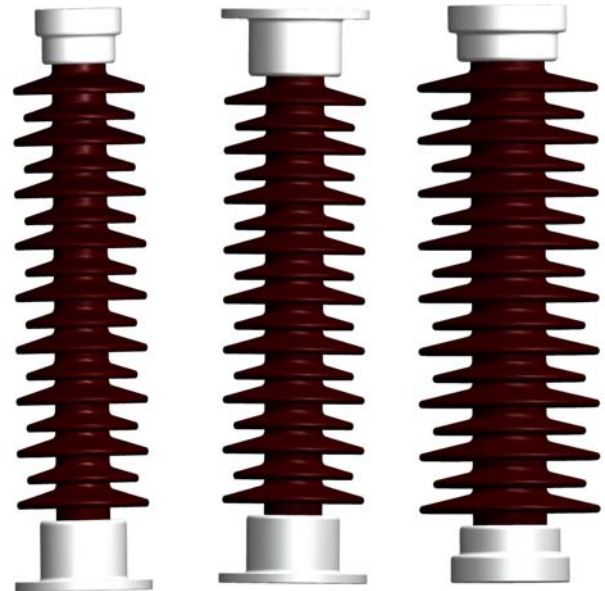


Fig.1

Fig.2

Fig.3

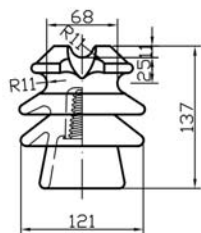


Type	Fig. No.	Rated Volt. kV	Mechanical Failing Load		Creepage Distance mm	Main Dimensions mm									Net Weight, Each, Approx. . kg
			Cantilever kN	Torsion kN/m		H	D	Top Fitting			Bottom Fitting				
								a1	d1	No.Hole	a2	d2	No.Hole		
ZSW-24/4	1	20	4	3	400	290	145	70	M10	2	125	12	4	6	
ZSW-40.5/4-2	1	35	4	3	875	440	260	140	M12	4	210	18	4	35	
ZSW-40.5/6L-4	1	35	6	4.5	1256	560	260	140	M12	4	225	18	4	43	
ZSW-40.5/8-2	1	35	8	6	875	420	260	140	M12	4	180	14	4	33	
ZSW-72.5/8-3	1	66	8	6	1850	770	195	127	M16	4	127	14	4	50	
ZSW-72.5/8L-3	3	66	8	6	1850	770	195	127	M16	4	127	M16	4	51	
ZSW-126/4-2	1	110	4	3	2750	1170	230	140	M12	4	225	18	4	72	
ZSW-126/6-3	1	110	6	4.5	3150	1200	250	140	M12	4	225	18	4	77	
ZSW-126/8.5-3	2	110	8	6.5	3150	1200	260	225	18	4	250	18	4	93	
ZSW-126/10-4	1	110	10	7.5	3906	1400	280	140	M12	4	254	18	8	118	
ZSW-126/12.5-3	2	110	12.5	9.3	3150	1200	280	225	18	4	250	18	8	100	

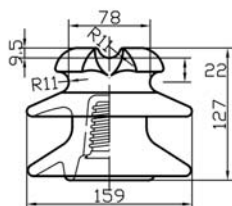
Type	Fig. No.	Rated Volt. kV	Mechanical Failing Load		Creepage Distance mm	Main Dimensions mm							Net Weight, Each, Approx. , kg
						H	Top Fittng			Bottom Fittng			
			Cantilever kN	Torsion kN/m			a1	d1	No. of Hole	a2	d2	No.of Hole	
ZSW-220/4-2	1	220	4	3	5500	2400	140	M12	4	250	18	4	170
ZSW-220/6-3	1	220	6	4.5	6300	2370	140	M12	4	270	18	4	188
ZSW-220/8-3	2	220	8	6	6300	2400	225	18	4	270	18	4	209
ZSW-220/8-4	2	220	8	6	7812	2400	225	18	4	250	18	8	220
ZSW-220/10-3	2	220	10	7.5	6300	2300	225	18	4	254	18	8	228
ZSW-252/N2.5-4	3	220	10	7.5	7812	2400	127	M16	4	127	M16	4	154
ZSW-252/N8-4	2	220	12	8	7812	2300	180	14	4	180	14	4	270

Pin Type Porcelain Insulators

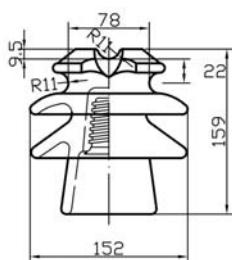
BS



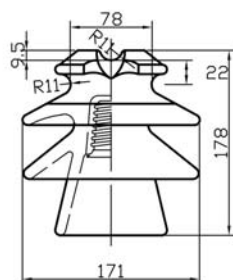
P10/235



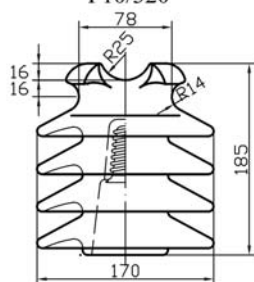
P10/240



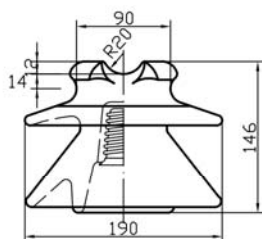
P10/320



P10/380



P10/500



P10/330



Main dimensions and standard particulars

Type		P10/235	P10/320	P10/380	P10/240	P10/500	P10/330
Total Creepage Distance, mm		235	320	380	240	500	330
Protected Creepage Distance, mm		110	160	190	110	230	170
Dry Arcing Distance, mm		130	175	195	150	210	180
Recommended Length of Pin Stalk, mm		165	230	230	230	230	230
Minimum Failing Load, kN		10	10	10	10	10	10
Power Frequency Flashover Voltage	Dry, kV	65	80	90	80	90	90
	Wet, kV	40	55	60	50	60	58
Impulse Flashover Voltage	Positive, kV	90	120	135	110	130	140
	Negative, kV	120	150	170	150	185	185
Power Frequency Withstand Voltage (1 Min.)	Dry, kV	60	75	85	75	80	85
	Wet, kV	35	50	55	45	50	50
Impulse Withstand Voltage, kV		85	110	125	100	120	130
Power Frequency Puncture Voltage, kV		110	130	130	130	140	140
Net Weight, Each, Approx. , kg		1.4	2.3	2.9	2.2	5.0	3.2

All insulators are assembled with metal thimble to meet BS Ref. No. 16 large steel head pin, except P10/235.

Pin Type Porcelain Insulators BS

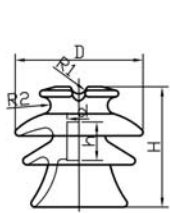


Fig. 1

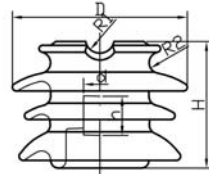


Fig. 2

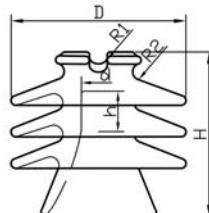


Fig. 3

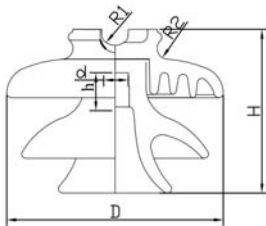


Fig. 4

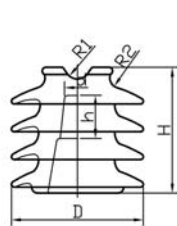


Fig. 5

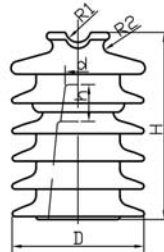


Fig. 6



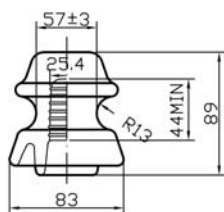
Main dimensions and standard particulars

BS class Type			P-11-Y	P-11-Y	P-22-Y	P-33-Y	P-33-Y	P-36-Y	PW-15-Y	PW-22-Y	PW-33-Y
Fig No.			1	1	2	2	3	4	5	6	6
Creepage distance, mm			275	320	432	630	740	825	432	673	900
Dry arcing distance, mm			102	120	200	360	310	320	197	267	419
Main dimensions mm	H		130	135	165	244	240	245	185	255	320
	h		48	48	52.6	52.6	52.6	52.6	52.6	52.6	52.6
	D		140	145	229	280	255	320	170	205	240
	d		18.3	18.3	27.8	27.8	27.8	27.8	27.8	27.8	27.8
	R1		13	13	19	11	16	19	16	16	16
	R2		9.5	9.5	14.3	13	12.5	16	16	16	16
Cantilever Strength, kN			11	11	11	13	10	10	11	11	13
Flashover Voltage	Power frequency	Dry, kV	75	75	100	135	110	120	100	125	140
		Wet, kV	50	50	60	95	85	80	65	95	110
	Critical impulse	Positive, kV	115	115	160	180	180	170	150	190	210
		Negative, kV	150	150	205	290	210	215	190	235	245
Withstand voltage	1 Min. Power Frequency	Dry, kV	65	65	90	110	100	110	90	110	125
		Wet, kV	40	40	55	75	70	70	60	90	100
Withstand volt. impulse, kV			90	110	150	170	170	170	140	180	200
RIV Data	Test volt. To ground, kV		15	15	22	30	30	30	22	30	44
	Max RIV at 1000 KHz, uV		800	800	800	800	800	800	12000	16000	25000
Power Frequency Puncture Voltage, kV			150	150	145	210	185	185	150	200	210
Net Weight, Each, Approx. , kg			1.8	2	5	11	12.5	12.5	4.7	9.1	12.5

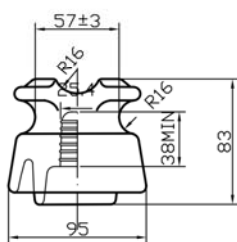
Pin Type Porcelain Insulators

ANSI

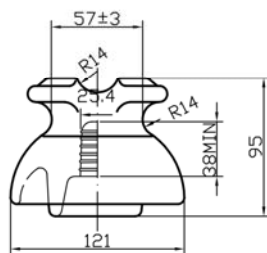
The following pin insulators comply with the American Standard ANSI. The glaze colour of the insulators are brown, light gray, etc. .



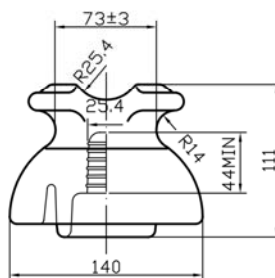
55 - 1



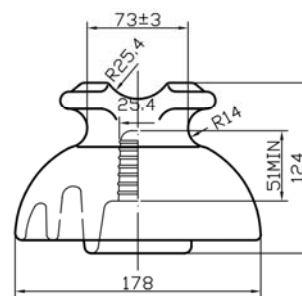
55 - 2



55 - 3



55 - 4



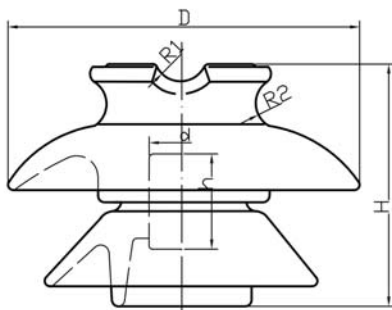
55 - 5

ANSI Class Type		55 - 1	55 - 2	55 - 3	55 - 4	55 - 5
Creepage Distance, mm		102	127	178	229	305
Dry Arcing Distance, mm		57	86	114	127	159
Main. Pin Length, mm		102	102	127	127	152
Cantilever Strength, kN		13	11	11	13	13
Low Frequency Flashover Voltage	Dry, kV	35	45	55	65	80
	Wet, kV	20	25	30	35	45
Critical Impulse Flashover Voltage	Pos., kV	50	70	90	105	130
	Neg., 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
	Max. RIV at 1000 KHz, uV	50	50	50	50	100
Net Weight, Each, Approx. , kg		0.5	0.65	1	1.65	2.75
Number in Standard Package		60	40	30	16	12

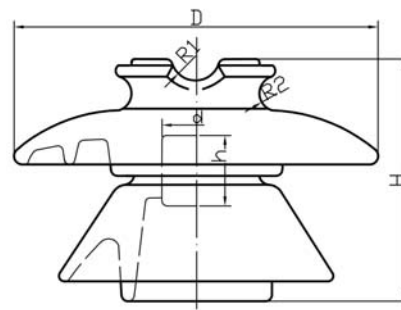
Pin Type Porcelain Insulators

ANSI

The following pin insulators comply with the American Standard ANSI. The glaze colour of the insulators are brown, light gray, etc. .



56 - 1
56 - 2



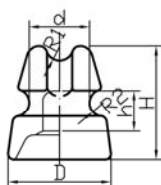
56 - 3

ANSI Class (Radio Freed) Type		56 - 1	56 - 2	56 - 3
Recommend Pin Length, mm		152	178	203
Creepage Distance, mm		330	432	533
Dry Arcing Distance, mm		178	210	241
Dimensions, mm	H	146	165	191
	h	51	51	51
	D	191	229	267
	d	35	35	35
	R1	19	19	19
	R2	14	14	14
Cantilever Strength, kN		11	13	13
Low Frequency Flashover Voltage	Dry, kV	95	110	125
	Wet, kV	60	70	80
Critical Impulse Flashover Voltage	Pos., kV	150	175	200
	Neg., kV	190	225	265
Low Frequency Puncture Voltage, kV		130	145	165
Radio Influence Voltage Data	Test Voltage to Ground, kV	15	22	30
	Max. RIV at 1000 KHz, uV	100	100	200
Net Weight, Each, Approx. , kg		3.7	5.3	7
Number in Standard Package		4	4	4

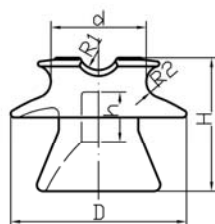
Pin Type Porcelain Insulators

AS

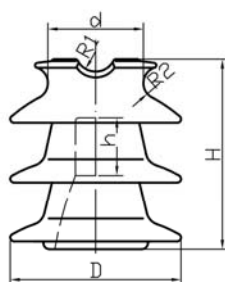
The following pin insulators comply with the Australian Standard AS. The colour of the insulators are blue, light gray, etc. .



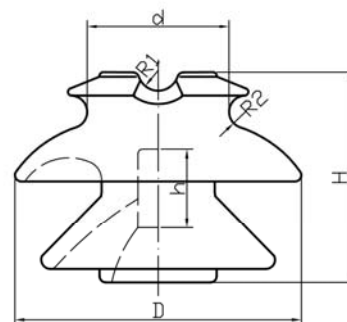
LP. LV



SLP11/180



ALP11/275

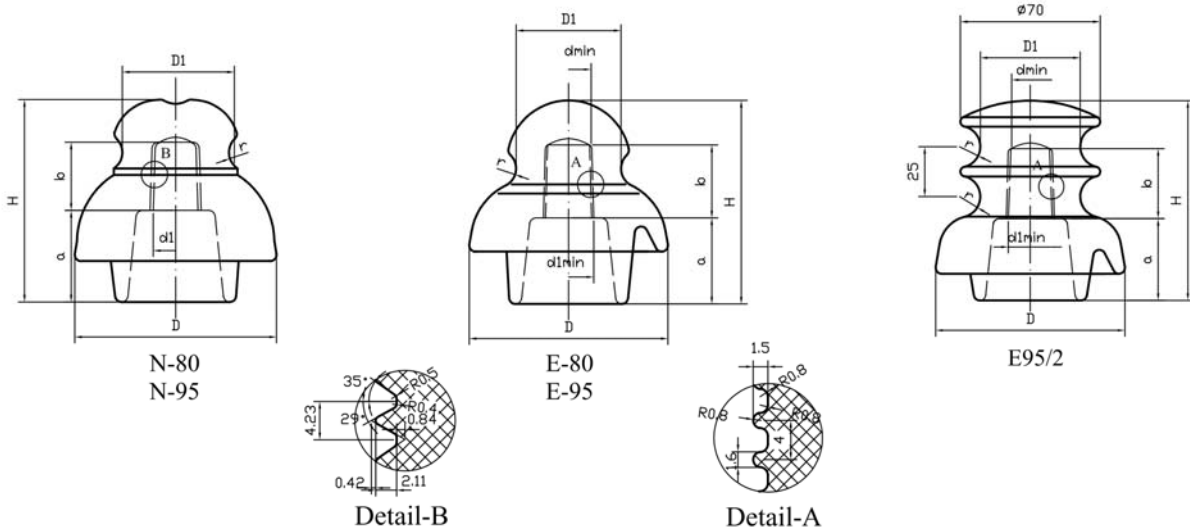
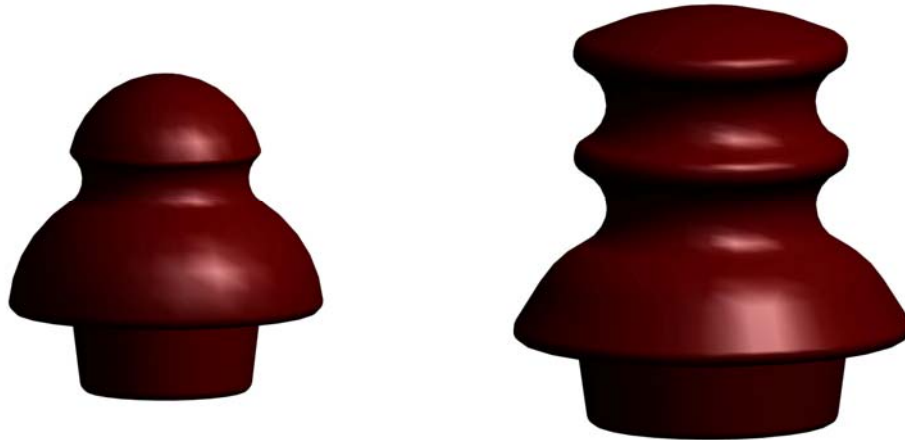


SLP22/420

AS Class Type		LP. LV	SLP11/180	ALP11/275	SLP22/420
Nominal Voltage, kV		-	11	11	22
Creepage Distance, mm		-	180	275	430
Dimensions, mm	H	91	107	152	168
	h	32.5	40	46	63.5
	D	82	140	136	228
	d	48	76	76	113
	R1	11	16	16	16
	R2	11	13	13	13
Cantilever Strength, kN		7	7	7	7
Power Frequency Withstand Voltage	Dry, kV	-	60	60	80
	Wet, kV	-	32	32	60
Critical Impulse Withstand, kV		-	95	95	150
Power Frequency Puncture Voltage, kV		-	95	95	130
Net Weight, Each, Approx. , kg		0.8	1.2	1.8	5.3
Number in Standard Package		80	16	16	4

Pin Type Porcelain Insulators

BS

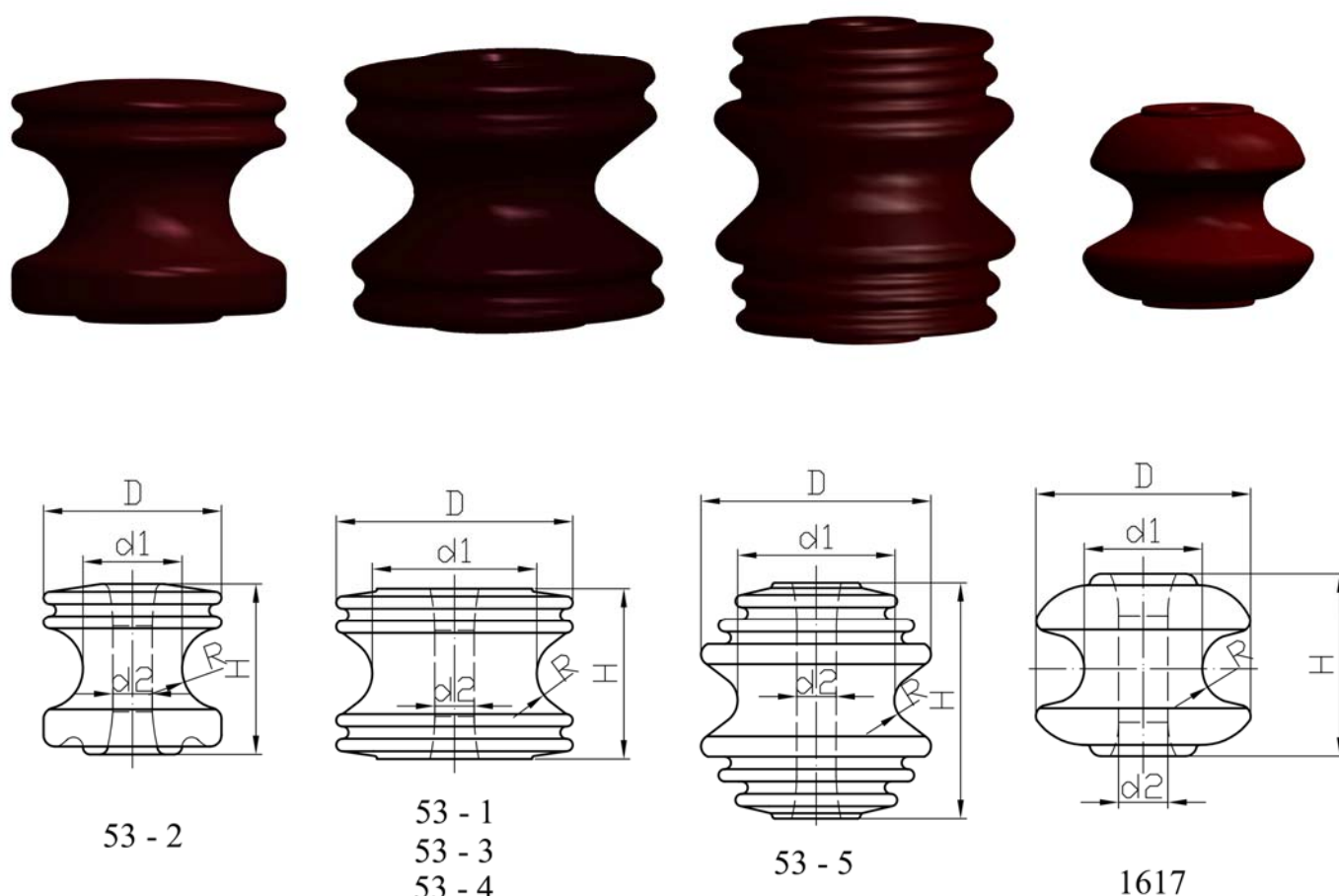


ANSI Class (Radio Freed) Type		N80	N95	E - 80	E - 95	E95/2
Dimensions, mm	D	80	95	80	95	95
	H	85	89	87	97	100
	D1	42	50	42	50	50
	d	-	-	19	22	22
	d1	16	16	21	24	24
	a	38	43	38	41	41
	b	38	32	30	35	35
	r	17.5	14	9	14	10
Creepage Distance		120	140	120	140	130+30
Minimum Breaking Load		1250	1250	1250	1250	1250
One Minute With Stand Voltage Wet, kV		10	10	10	10	10
Net Weight, Each, Approx. , kg		0.4	0.57	0.4	0.55	0.625

Spool Porcelain Insulators

ANSI

The followin spool insulators comply with the American Standard ANSI. The glaze colour of the insulators are brown, light gray, etc. .

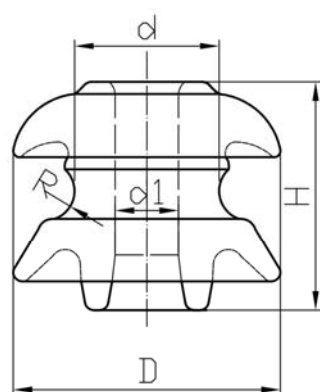


AS Class Type		53 - 1	53 - 2	53 - 3	53 - 4	53 - 5	1617
Transverse Strength, kN		9	13	18	20	27	9.2
Low Frequency Dry Flashover Voltage, kV		20	25	25	25	35	20
Low Frequency Wet Flashover Voltage	Vertical, kV	8	12	12	12	18	9
	Horizontal, kV	10	15	15	15	25	9
Dimensions, mm	H	54	76	81	76	105	65
	D	57	79	76	105	102	76
	d1	44	44	44	73	73	46
	d2	17.5	17.5	17.5	17.5	17.5	17.5
	R	11	17.5	11	16	11	9
Net Weight, Each, Approx. , kg		0.2	0.5	0.6	1.05	1.2	0.40
Number in Standard Package		144	60	60	48	48	75

Shackle Porcelain Insulators

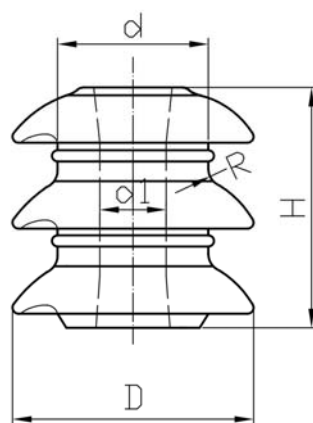
BS

The followin shackle insulators comply with the BS Standard. The glaze colour of the insulators are brown, white, etc. .

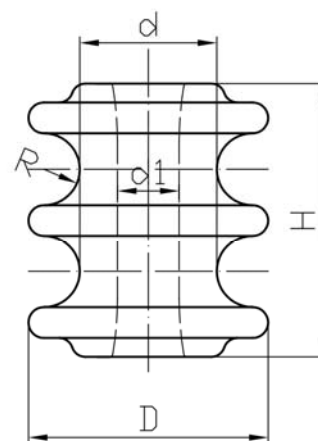


ED - 2(B)

ED - 2(B)₁



ED - 2(C)



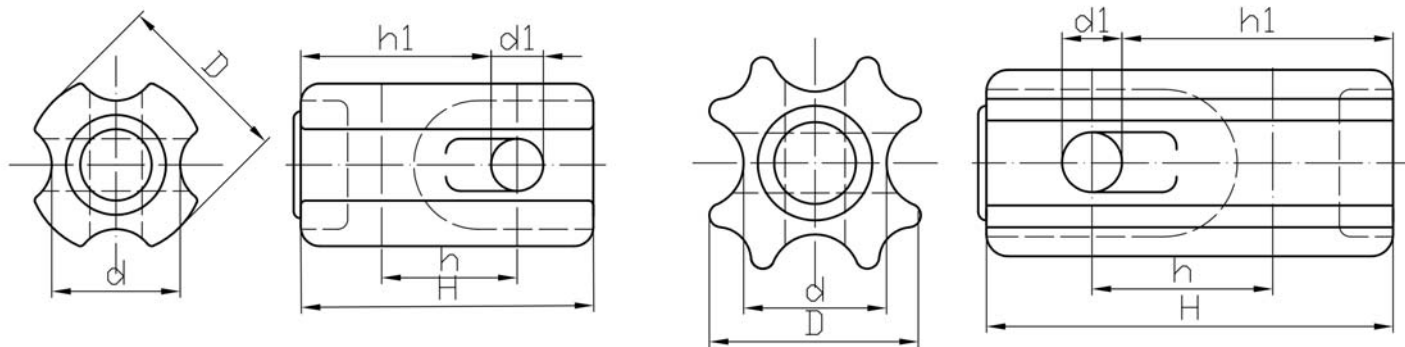
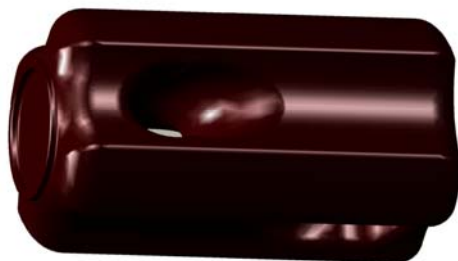
R - 6

ANSI Class (Radio Freed) Type		ED - 2(C)	ED - 2(B)	ED - 2(B) ₁	R - 6
Dimension, mm	H	80	76	76	80
	D	80	89	89	70
	d	50	48	48	40
	d1	22	21	17.5	18
	R	6	10	10	7
Transverse Strength, kN		13.2	12.7	12.7	8.9
Power Frequency	Dry, kV	25	25	25	12
Flashover Voltage	Wet, kV	12	12	12	15
Net Weight, Each, Approx. , kg		0.5	0.5	0.5	0.4
Number in Standard Package		60	60	60	60

Strain Porcelain Insulators

ANSI

The followin strain insulators comply with the ANSI Standard. The glaze colour of the insulators are brown, etc. .



54 - 1

54 - 2

54 - 3

54 - 4

ANSI Class Type		54 - 1	54 - 2	54 - 3	54 - 4
Creepage Distance, mm		41	48	57	76
Dimension, mm	H	89	108	140	171
	h	44	57	79	67
	h1	64	76	103	114
	D	64	73	86	89
	d	44	54	60	60
	d1	16	22	25	25
Mechanical Failing Load, kN		44	53	89	89
Low Frequency Flashover Voltage	Dry, kV	25	30	35	40
	Wet, kV	12	15	18	23
Net Weight, Each, Approx. , kg		0.5	0.65	1.2	2.2
Number in Standard Package		60	60	48	30

Long Rod Composite Insulators Series

IEC 61109-1992

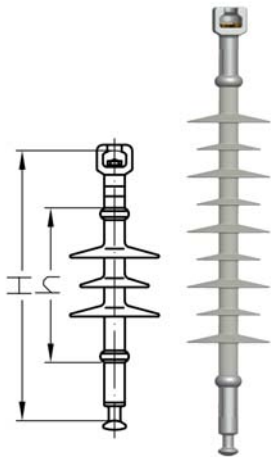


图 (Fig.) 1

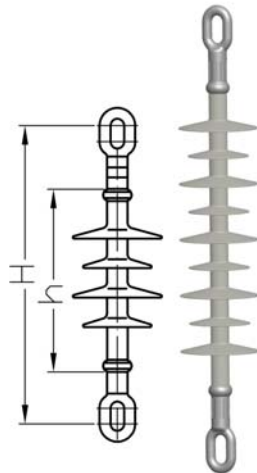


图 (Fig.) 2

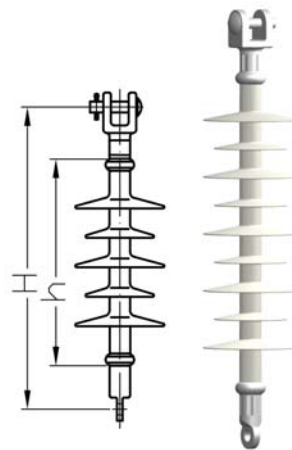


图 (Fig.) 3

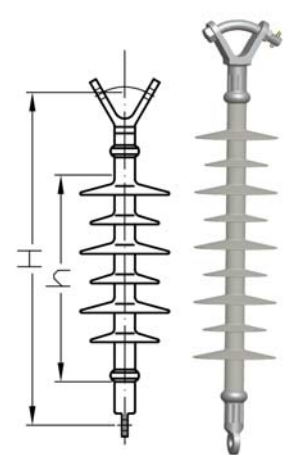


图 (Fig.) 4

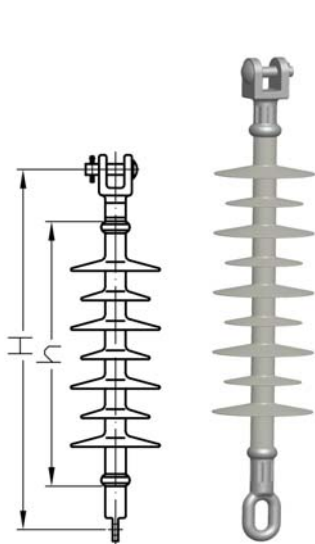


图 (Fig.) 5

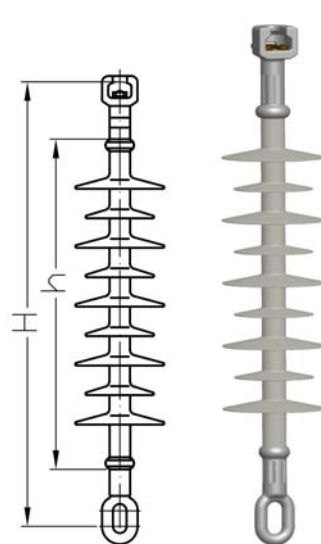


图 (Fig.) 6

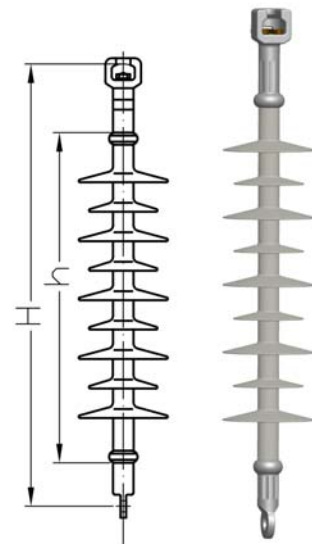
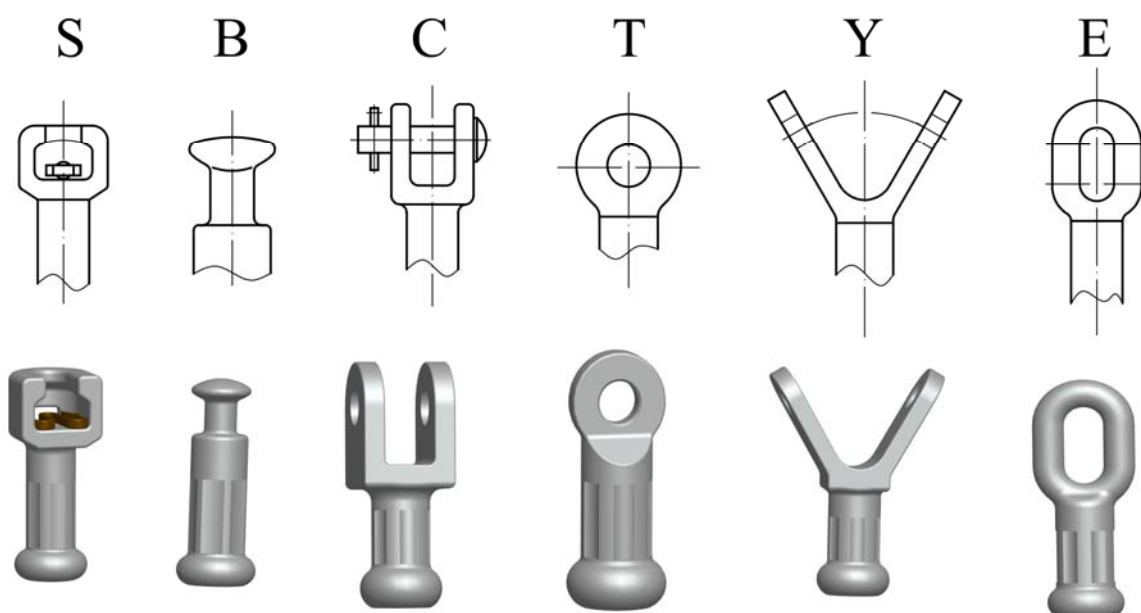


图 (Fig.) 7

Main Characteristics for Composite Suspension Insulators

Type	Figure No.	Rated Voltage KV	Specified Mechanical load KN	Spacing H mm	Insulating Distance h mm	Minimum Nominal Creepage Distance mm	Lighting Impulse Withstand Voltage $\geq$ kVp	Min Wet Power Frequency Withstand Voltage $\geq$ kVr.m.s
FXBW4-12/70	1	12	70	350	180	400	95	45
FXBW4-15/70	2	15	70	350	180	400	95	45
FXBW4-24/70	4	24	70	550	370	850	185	95
FXBW4-33/70	6	33	70	650	450	1000	230	105
FXBW4-33/100	7	33	100	650	450	1000	230	105
FXBW4-36/70	6	36	70	550	395	1320	250	135

1. Ambient temperature: $-50^{\circ}\text{C} - +50^{\circ}\text{C}$;
2. Altitude: more than 3000mm;
3. Frequency: not more than 100Hz

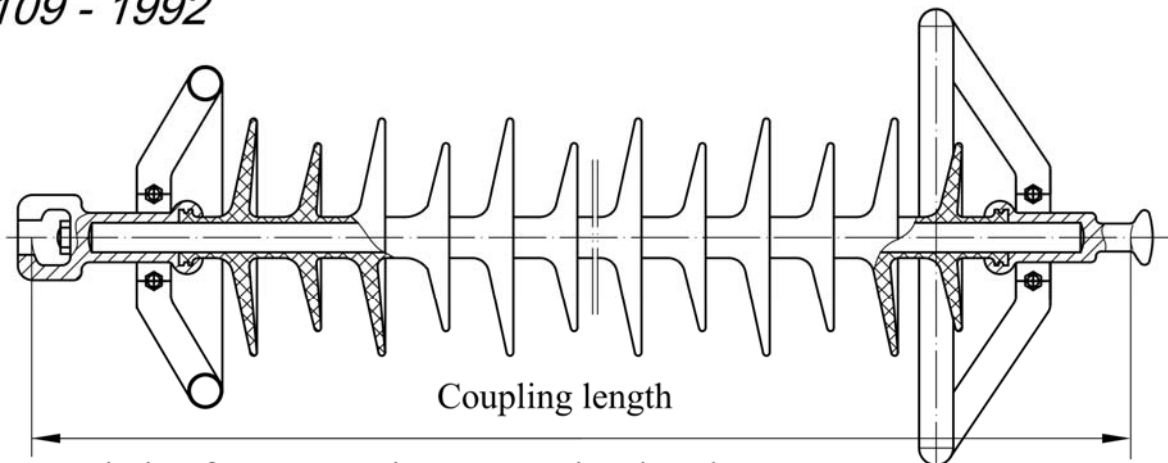


Coupling of Metal Fitting

Connection Type	SB	CT	YB	EE	SB	CT	YB	EE
Specified Mechanical Load	kN	70				100		
Coupling	16	16N	16	17	16	16N	19	24

Composite Suspension Insulators

IEC 61109 - 1992



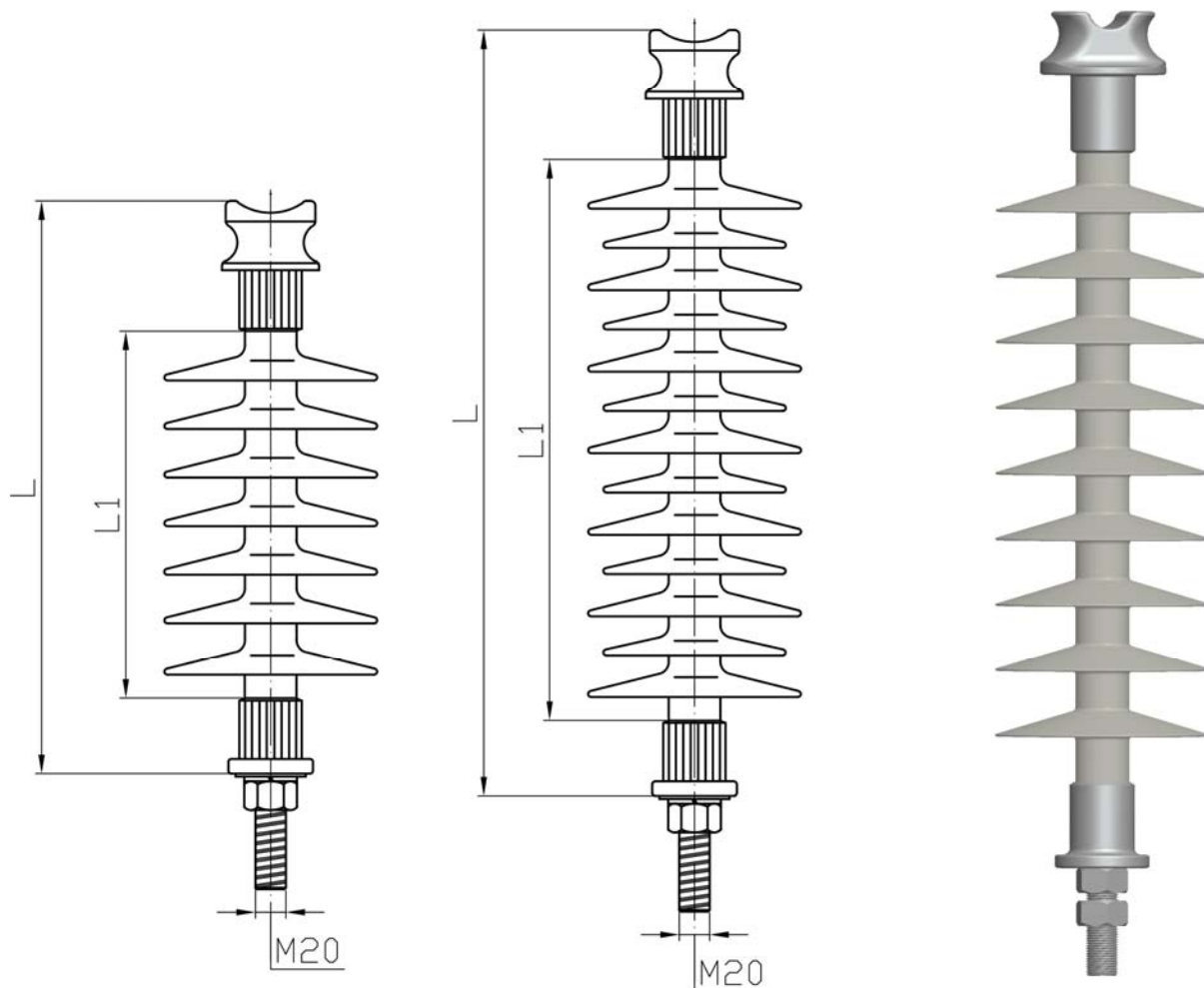
Main characteristics for composite suspension insulator

Type	Rated Voltage KV	Faling Load KN	Coupling Size	Coupling Length mm	No of Sheds	Min Creepage Distance mm	Min Dry Are Distance mm	Power Frequency Flashover Dry KV	Power Frequency Flashover Wet KV	Impulse Flashover Positive KV	Impulse Flashover Negative KV	Net weight, Each, Approx. kg
FXB1-35/70SB	35	70	16	632	8	960	450	175	158	310	325	2.5
FXB2-35/70SB	35	70	16	722	11	1240	540	210	189	360	378	2.8
FXB1-69/70SB	69	70	16	882	15	1890	700	270	243	450	472	3.5
FXB2-69/70SB	69	70	16	982	17	2150	800	305	275	510	535	3.7
FXB1-110/70SB	110	70	16	1182	21	2670	1000	380	342	620	651	4.1
FXB2-110/70SB	110	70	16	1282	23	2930	1100	420	378	680	714	4.3
FXB1-132/70SB	132	70	16	1382	21	2770	1200	455	410	730	766	4.5
FXB4-132/70SB	132	70	16	1482	25	4040	1300	495	445	790	830	5.5
FXB1-220/70SB	220	70	16	2082	37	4840	1900	720	648	1120	1176	8
FXB2-220/70SB	220	70	16	2082	37	5950	1900	720	648	1120	1176	8.6
FXB1-132/120SB	220	120	16	1422	21	2770	1200	455	410	730	766	4.5
FXB4-132/120SB	220	120	16	1522	25	4040	1300	495	445	790	830	5.8
FXB1-220/160SB	220	160	20	2220	37	5360	1900	720	648	1120	1176	14.5
FXB2-220/160SB	220	160	20	2220	37	6470	1900	720	648	1120	1176	14.7
FXB1-345/120SB	345	120	16	2822	53	8390	2600	960	820	1520	1596	11.5
FXB4-345/120SB	345	120	16	3222	65	10100	3000	1050	930	1740	1827	13.2
FXB1-400/120SB	400	120	16	3522	65	10400	3300	1150	1020	1910	2005	14.5
FXB4-400/120SB	400	120	16	3922	81	12540	3700	1250	1100	2130	2236	16
FXB1-132/160SB	132	160	20	1520	21	3170	1200	455	410	730	766	12
FXB3-132/160SB	132	160	20	1620	25	4390	1300	495	445	790	830	12.8
FXB1-345/160SB	345	160	20	2920	53	7550	2600	960	820	1520	1596	16.5
FXB4-345/160SB	345	160	20	3320	65	11010	3000	1050	930	1740	1827	18
FXB1-400/160SB	400	160	20	3620	65	9360	3300	1150	1020	1910	2005	19
FXB4-400/160SB	400	160	20	4020	73	12690	3700	1250	1100	2130	2236	21
FXB1-500/160SB	500	160	20	4320	79	11360	4000	1350	1160	2300	2415	22
FXB2-500/160SB	500	160	20	4420	81	14080	4100	1370	1168	2360	2478	23
FXB1-345/210SB	345	210	20	2920	53	7470	2600	960	820	1520	1596	20
FXB4-345/210SB	345	210	20	3320	65	8970	3000	1050	930	1740	1827	22.6
FXB1-400/210SB	400	210	20	3620	65	9270	3300	1150	1020	1910	2005	24.7
FXB4-400/210SB	400	210	20	4020	81	11130	3700	1250	1100	2130	2236	27.5
FXB1-500/210SB	500	210	20	4320	87	11980	4000	1350	1160	2300	2415	29.5
FXB3-500/210SB	500	210	20	4600	93	12810	4280	1410	1182	2400	2490	31
FXB1-400/300SB	400	300	24	3650	65	9270	3300	1150	1020	1910	2005	36.3
FXB4-400/300SB	400	300	24	4050	81	11130	3700	1250	1100	2130	2236	40.5
FXB1-500/300SB	500	300	24	4350	87	11980	4000	1350	1160	2300	2415	43.3
FXB3-500/300SB	500	300	24	4630	93	12810	4280	1410	1182	2400	2490	45

1. All tests are in accordance with IEC 61109
2. All units from 220KV up to 500KV system voltage should be assembled with two corona rings, one at each end.
3. Insualtor designs for specific application requirements are also available.

Pin Type Composite Insulators

IEC 61109-1992



Type	Rated Voltage (KV)	Specified Mechanical load	Section Length L (mm)	Min Arc Distance L1 (mm)	Creepage Distance (mm)	Lighting Impulse Withstand BIL(kV)	Power Frequency Withstand (wet) (kV)
FPQ-12/4	12	4	215	125	280	75	42
FPQ-24/8	24	8	305	255	715	150	65
FPQ-36/6	36	6	440	360	1100	185	95
FPQ-66/10	66	10	812	655	1900	410	185
FPQ-66/8	66	8	812	655	1900	410	185

Horizontal Composite Line Post Insulators

IEC 61109-1992

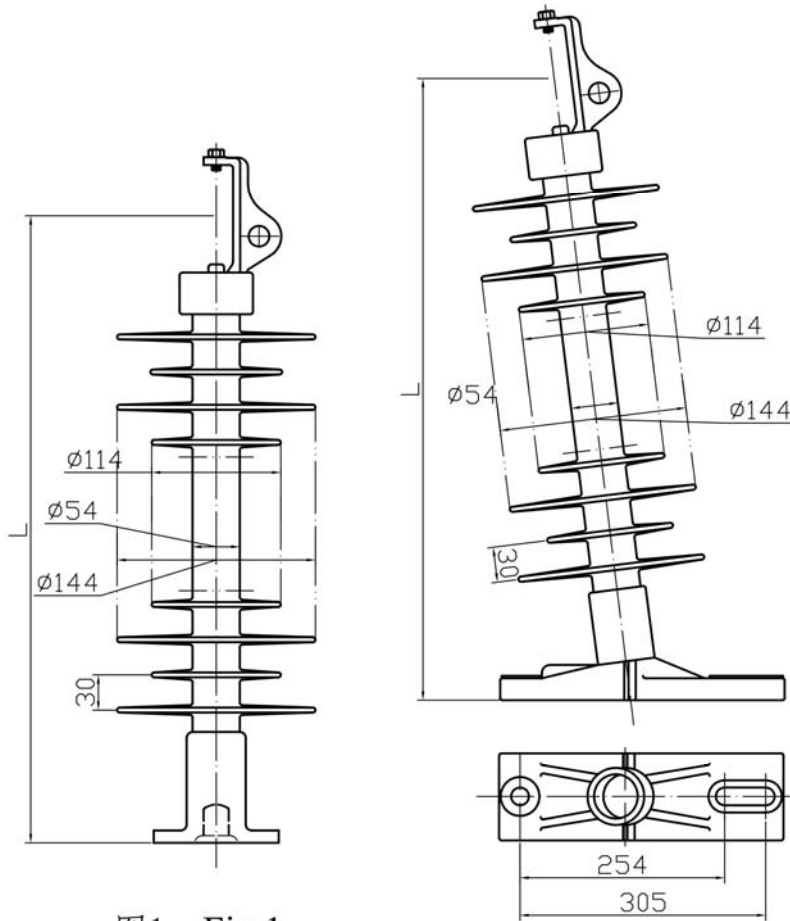


图1 Fig.1

图2 Fig.2



Typical System Voltage kV	Type	Fig No.	No.of Sheds	"L" Length (mm)	Arcing Distance (mm)	Creepage Distance (mm)	Low Frequency Flashover		Critical Impulse Flashover		Maximum Design Cantilever Load (kN)	Net Weight, Each, Approx. (kg)
							Dry kV	Wet kV	Pos. kV	Neg. kV		
46	HLP-880/8	1	9	490	330	880	145	125	215	310	8	6.8
46	HLP-1070/7	1	11	550	390	1070	170	140	255	340	7.0	7.0
46/69	HLP-1260/6.2	1	13	610	450	1260	195	160	290	365	6.2	7.6
69	HLP-1455/5	1	15	670	510	1455	220	180	330	390	5.0	8.0
69	HLP-1650/5	1	17	730	570	1650	245	195	370	420	5.0	8.5
69	HLP-1900/10	1	19	812	655	1900	265	215	405	445	10	9.3
69	HLP-2030/4	1	21	852	690	2030	290	230	445	475	4.0	9.3

Horizontal Composite Line Post Insulators

IEC 61109-1992

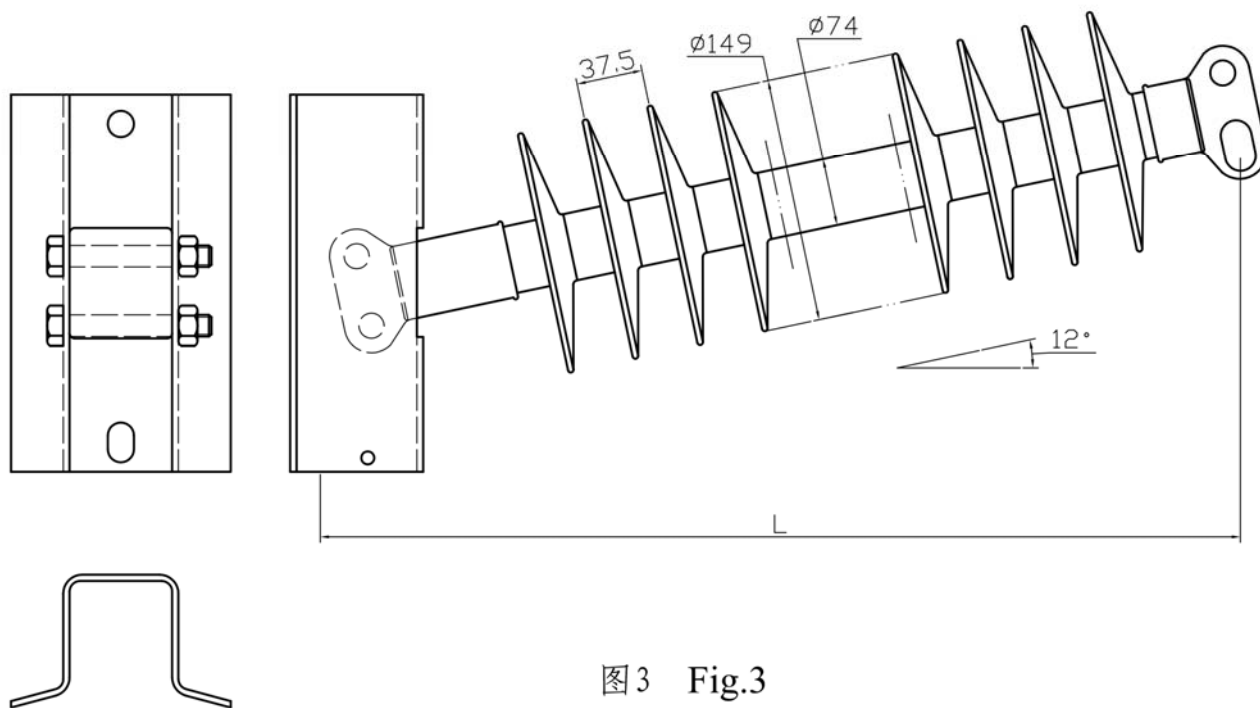


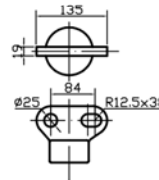
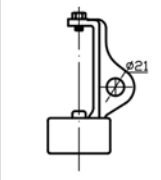
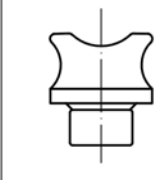
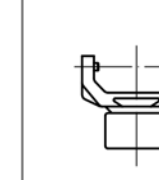
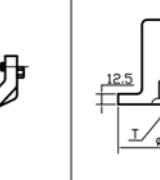
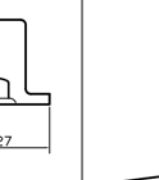
图3 Fig.3

Typical System Voltage kV	Type	Fig No.	No.of Sheds	"L" Length (mm)	Arcing Distance (mm)	Creepage Distance (mm)	Low Frequency Flashover		Critical Impulse Flashover		Maximum Design Cantilever Load (kN)	Net Weight, Each, Approx. (kg)
							Dry kV	Wet kV	Pos. kV	Neg. kV		
69	HLP-1470/12.5	3	14	816	568	1470	265	230	370	425	12.5	23
69/115	HLP-1890/10.6	3	18	963	717.5	1890	325	285	460	515	10.6	25
69/115	HLP-2200/9.6	3	21	1073	830	2200	370	325	525	585	9.6	26
115	HLP-2625/8.5	3	25	1220	980	2625	425	370	615	675	8.5	28
115/138	HLP-3040/7	3	29	1366	1130	3040	475	420	700	770	7.0	29.5
115/138	HLP-3360/7	3	32	1476	1242.5	3360	515	450	765	840	7.0	31
138	HLP-3785/6	3	36	1623	1392.5	3780	565	495	855	930	6.0	32
161	HLP-4100/5.5	3	39	1733	1505	4100	600	525	920	1000	5.5	34
161	HLP-4515/5	3	43	1880	1655	4515	645	565	1010	1090	5.0	35
230	HLP-4935/4.8	3	47	2027	1805	4935	690	605	1095	1180	4.8	37
230	HLP-5330/4	3	51	2173	1995	5330	730	640	1185	1275	4.0	38
230	HLP-5780/4	3	55	2320	2105	5780	770	675	1270	1365	4.0	40
230	HLP-6090/4	3	58	2430	2217.5	6090	800	700	1340	1435	4.0	41

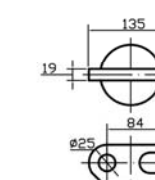
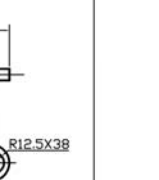
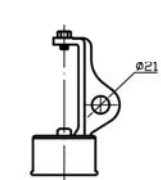
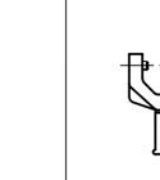
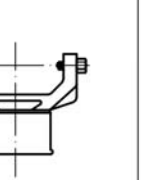
Horizontal Composite Line Post Insulators

Typical System Voltage kV	Type	Fig No.	No. of Sheds	"L" Length (mm)	Arcing Distance (mm)	Creepage Distance (mm)	Low Frequency Flashover		Critical Impulse Flashover		Maximum Design Cantilever Load (kN)	Net Weight, Each, Approx. (kg)
							Dry kV	Wet kV	Pos. kV	Neg. kV		
46	HLP-880/6.5	2	9	484	330	880	145	125	215	310	6.5	9.0
46	HLP-1070/7	2	11	545	390	1070	170	140	255	340	6.0	9.4
46/69	HLP-1260/5	2	13	600	450	1260	195	160	290	365	5.0	9.8
69	HLP-1455/4.5	2	15	660	510	1455	220	180	330	390	4.5	10.0
69	HLP-1650/4	2	17	725	570	1650	245	195	370	420	4.0	10.5
69	HLP-1900/10	2	19	846	650	1900	265	215	405	445	10	11.0
69	HLP-2030/3	2	21	840	690	2030	290	230	445	475	3.0	11.5

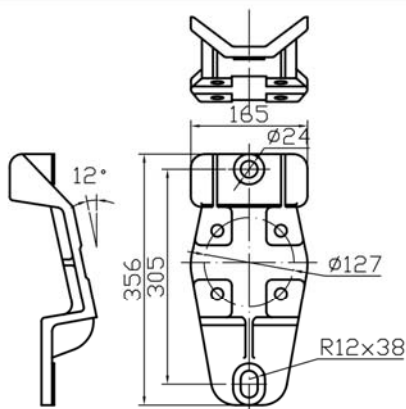
End Fitting Details for Composite Line Post Insulator

		 The coupling dimensions are in accordance with ANSI C29.7	 F-neck	 The coupling dimensions are in accordance with ANSI C29.7	 Thread Size, T: 3/4-10 UFS TAPPEA 7/8-9 UFS TAPPED 1-8 UNC TAPPED	
C-clamp	Drop Tongue	Horixontal CT	Tie Top	Vertical CT	Stud Base	Rigid Curved Base

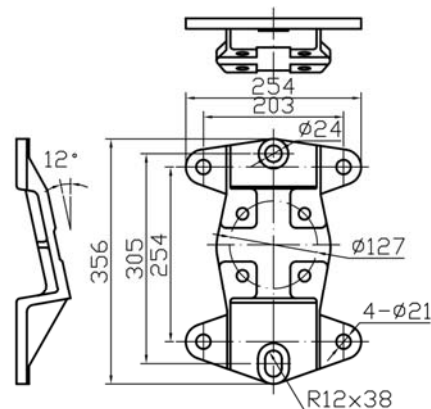
End Fitting Details for Composite Line Post Insulator

	 The coupling dimensions are in accordance with ANSI C29.7	 The coupling dimensions are in accordance with ANSI C29.7		
Drop Tongue	Horixontal Clamp Top	Vertical Clamp Top	Flange	Clevis

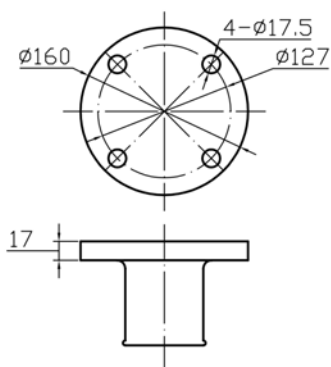
Base Details for Composite Line Post Insulators



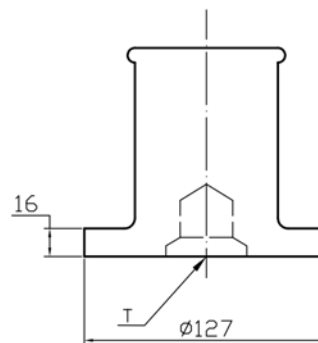
Rigid Curved Base



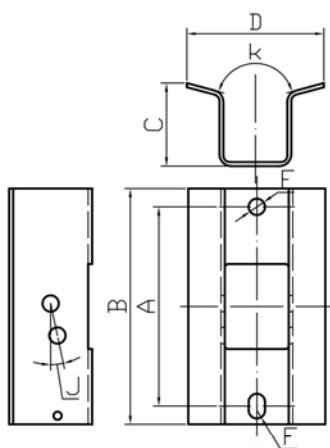
Rigid Flat Base



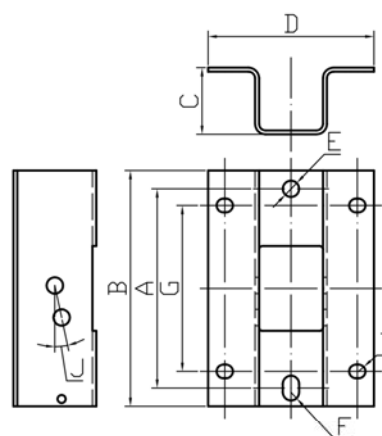
Flange Base



Stud Base



Bendable Curved Base

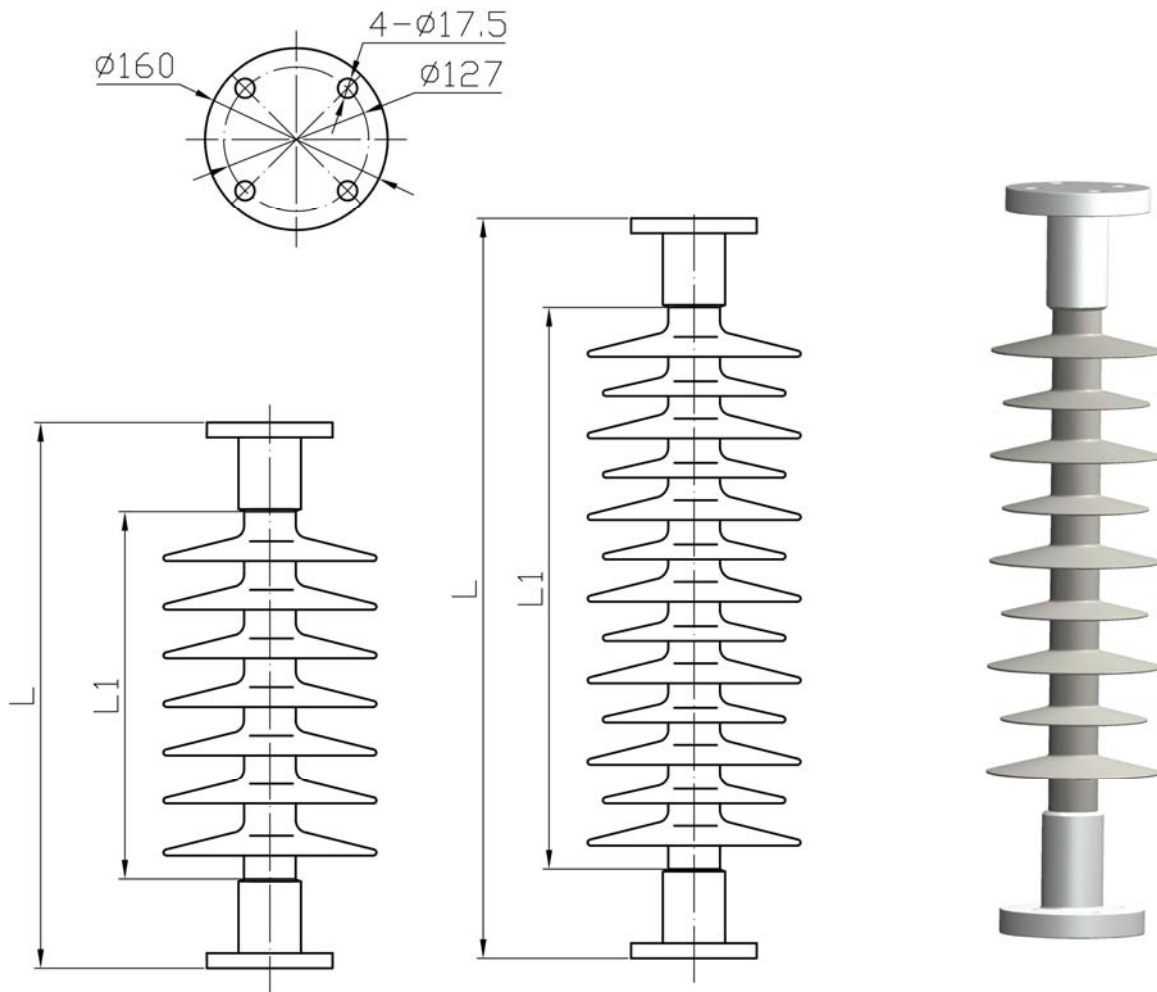


Bendable Flat Base

Dimensions	A	B	C	D	E(Ø)	F(Slot)	G	H	I	J	K
Bendable Curved Base (LA230-B)	305	361	127	211	25	25x38	--	--	--	12°	150°
Bendable Flat Base (LA231-B)	305	361	102	254	25	25x38	254	203	21x25	12°	--
Bendable Curved Base (LA232-B)	356	432	127	211	27	27X38	--	--	--	12°	150°

Post Type Composite Insulators

IEC 61109-1992



Type	Rated Voltage (KV)	Specified Mechanical load	Section Length L (mm)	Min Arc Distance L1 (mm)	Creepage Distance (mm)	Lighting Impulse Withstand BIL(kV)	Power Frequency Withstand (wet) (kV)
FZSW-12/4	12	4	215	125	280	75	42
FZSW-24/8	24	8	305	255	715	150	65
FZSW-36/6	36	6	450	360	1100	185	95
FZSW-66/6	66	6	812	655	1900	410	185
FZSW-66/8	66	8	812	655	1900	410	185
FZSW-110/10	110	10	1220	1080	3530	500	230
FZSW-220/10	220	10	2440	2200	7060	1000	395

HDPE Pin Type Insulator

ANSI

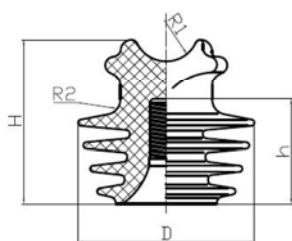
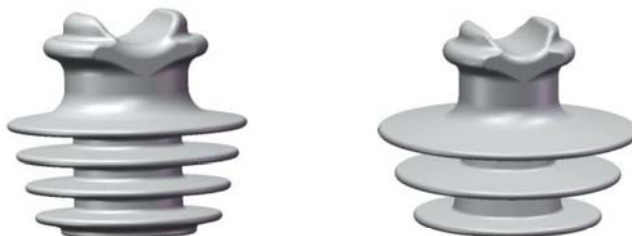


Fig. 1

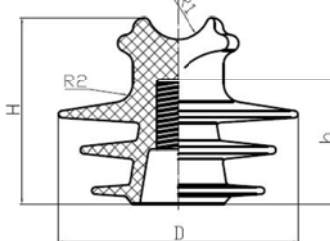


Fig. 2

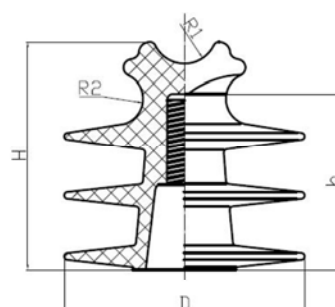


Fig. 3

Type		TG-PP-15	TG-PP-25	TG-PP-35
Figure No.		1	2	3
ANSI Class		55-4	55-5	55-6
Rated Voltage, kV		15	25	35
Nominal Creepage Distance, mm		360	390	508
Dry Arcing Distance, mm		160	183	254
Main Dimensions, mm	H	130	150	181
	h	88	99	140
	D	140	190	191
	R1	25	25	25
	R2	16	19	19
Pin Hole size, inch		1	1	1
Cantilever Strength, kN		13	13	13
Power Frequency Withstand Voltage	Dry, kV	70	80	90
	Wet, kV	40	50	70
Critical Impulse Flashover Voltage	Pos., kV	110	140	160
	Neg., kV	145	170	200
Power Frequency Puncture Voltage, kV		160	180	200

Material is high density polyethylene.

Porcelain Transformer Bushing IEC

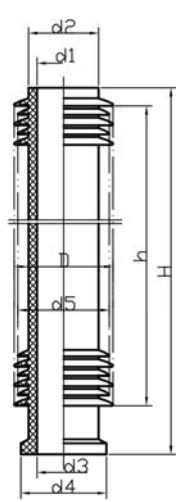
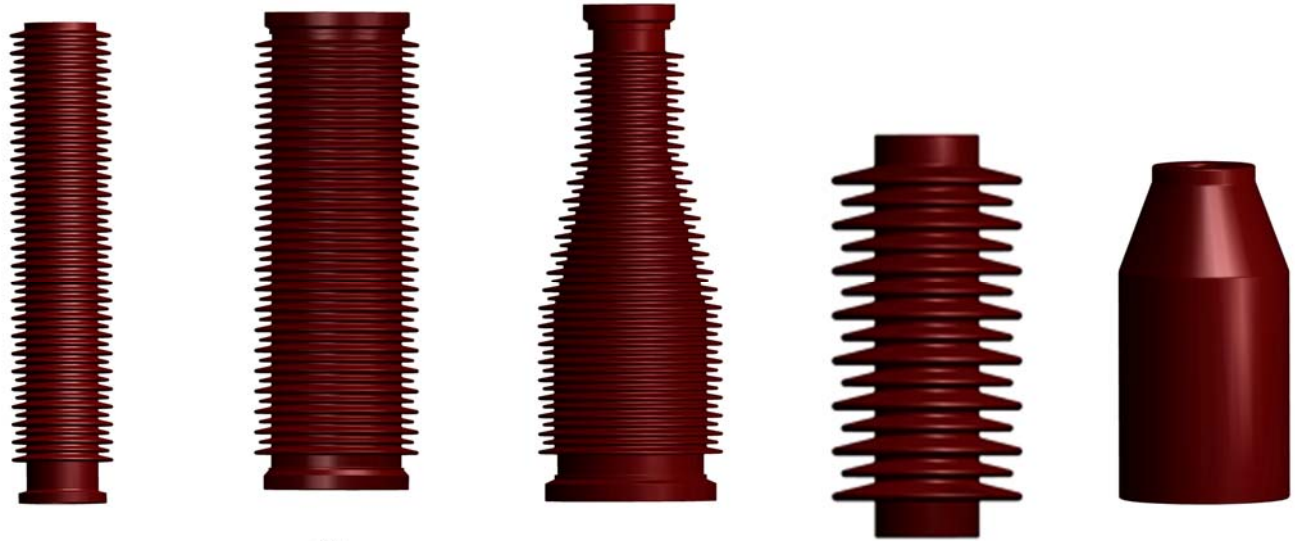


图1 Fig.1

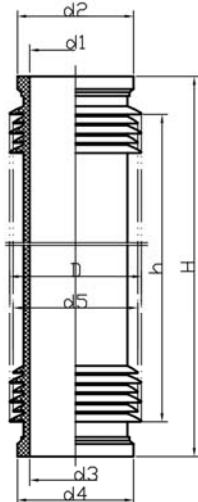


图2 Fig.2

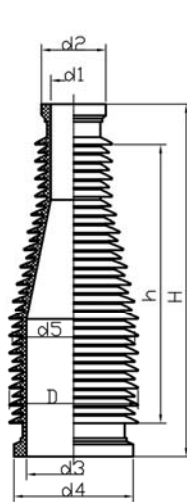


图3 Fig.3

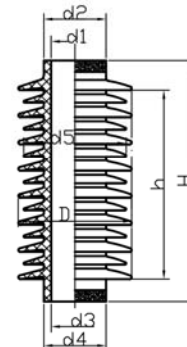


图4 Fig.4

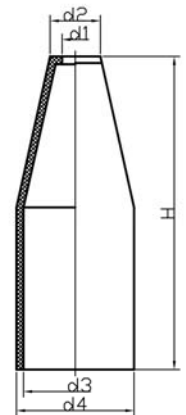


图5 Fig.5

Type	Rated Voltage (kV)	Fig No.	Shed No. Big/Small	Creepage Distance (mm)	Dimensions (mm)								Net Weight, Each, Approx. (Kg)
					H	D	h	d1	d2	d3	d4	d5	
5848	252	1	26/25	6700	2200	Ø410	1950	Ø220	Ø290	Ø220	Ø355	Ø380	320
5848A	252	1	28/27	7950	2200	Ø430	1971	Ø220	Ø290	Ø220	Ø355	Ø395	320
5850	252	2	21/20	6300	2435	Ø755	2100	Ø525	Ø665	Ø525	Ø665	Ø715	360
5874	252	3	23/22		2250	Ø820	1760	Ø290	Ø410	Ø600	Ø760		380
5868E	66	4	8/7	2250	660	Ø310	518	Ø130	Ø170	Ø130	Ø170	Ø280	80
5868C	126	4	15/14	4050	1150	Ø365	1008	Ø175	Ø225	Ø175	Ø225	Ø325	120
5869A		5			570			Ø84	Ø160	Ø220	Ø265		60
5869B		5			205			Ø70	Ø126	Ø125	Ø166		30
5804		5			1000			Ø84	Ø160	Ø310	Ø375		100
B001		5			345			Ø60	Ø95	Ø100	Ø130		3
B002		5			247			Ø60	Ø95	Ø100	Ø130		5
B003		5			345			Ø85	Ø120	Ø130	Ø160		8

Porcelain Transformer Bushing

IEC

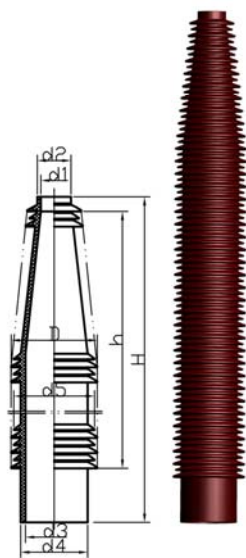


图6 Fig.6

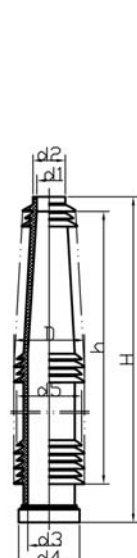


图7 Fig.7

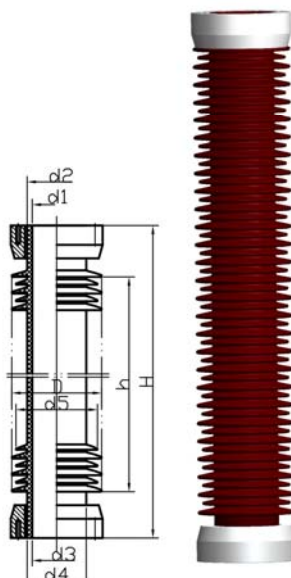


图8 Fig.8

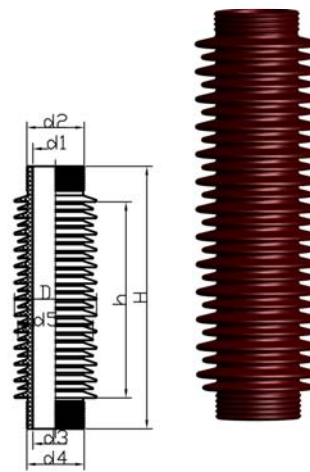


图9 Fig.9

Type	Rated Voltage (kV)	Fig No.	Shed No. Big/Small	Creepage Distance (mm)	Dimensions (mm)								Net Weight, Each, Approx. (Kg)
					H	D	h	d1	d2	d3	d4	d5	
B029	550	7		1470	4465	Ø630	4000	Ø195	Ø245	Ø420	Ø490	Ø590	800
B087	252	8		7820	2462	Ø438	2080	Ø238	Ø288	Ø238	Ø288	Ø398	240
B0141	252	9	13/12	3360	1180	Ø406	995	Ø220	Ø270		Ø280	Ø364	140
B0140	252	9	13/12	3270	1280	Ø400	960	Ø220	Ø280		Ø283	Ø364	140
B05364	252	6	29/28	8230	2500	Ø515	2184	Ø180	Ø236	Ø310	Ø445	Ø485	
B005	252	9	13/12	3848	1280	Ø430	948	Ø220	Ø280		Ø283	Ø390	160
B006	252	9	13/13	3978	1180	Ø430	983	Ø220	Ø270		Ø280	Ø390	160
B073	126	8	14/13	3390	1412	Ø317	1040	Ø157	Ø197			Ø277	110
B089	126	8	14/14	4564	1260	Ø440	1075	Ø220	Ø270		Ø280	Ø400	165
B088	126	8	13/12	4098	1280	Ø440	960	Ø220	Ø280		Ø283	Ø400	165
B0313	126	9	14/13	3245	1330	Ø305	1040	Ø135	Ø175		Ø188	Ø265	100
B013	126	9	14/13	3906	1340	Ø360	1040	Ø135	Ø175	Ø160	Ø213	Ø320	110
B07-1	66	9	8/8	2250	858	Ø310	588	Ø110	Ø160		Ø163	Ø270	40
B071		9	3/2	735	355	Ø652	160	Ø460	Ø510			Ø612	50
B075		9	4/4	1170	440	Ø517	275	Ø325	Ø375			Ø477	50
B076		9	4/4	1170	440	Ø867	275	Ø665	Ø725			Ø827	80
B077		9		1365	600	Ø305		Ø135	Ø175		Ø185	Ø265	40
B096		9		750	355	Ø592		Ø400	Ø450			Ø552	40
B097		9		1170	440	Ø522		Ø330	Ø380			Ø482	50

Porcelain Bushing for Capacitance Transformer IEC

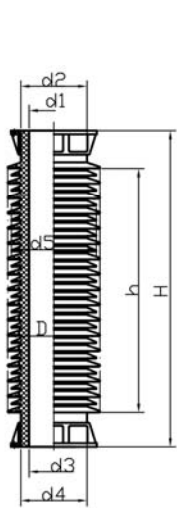


图1 Fig.1

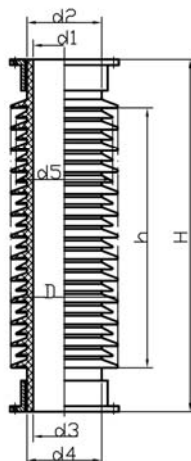


图2 Fig.2

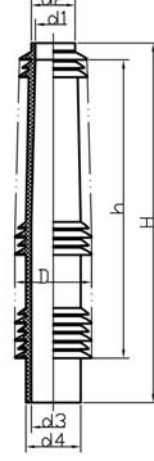


图3 Fig.3



Type	Rated Voltage (kV)	Fig No.	Shed No. Big/Small	Type for Product	Creepage Distance (mm)	Product Load (KN.m)	Dimensions (mm)								Net Weight, Each, Approx. (Kg)
							H	D	h	d1	d2	d3	d4	d5	
5764E	252	3	30/30		7105		2300	Ø490	1910	Ø230	Ø300	Ø280	Ø360		435
5764F	550	3	61/60		16500		4400	Ø725	3900	Ø255	Ø485	Ø315	Ø585		685
5476C	550	1	17/16	WVL550-5H	5402	70	1700	Ø495	1312	Ø265	Ø355	Ø265	Ø355	Ø455	365
5476C-3	550	1	15/15	WVB550-10H	4689	70	1500	Ø495	1092	Ø265	Ø355	Ø265	Ø355	Ø455	320
5476C-4	765			WVL765-5HG		70									
54273	126	2	13/12	B126-20H	3150	20	1300	Ø395	960	Ø230	Ø275	Ø230	Ø275	Ø365	120
54278	126	2	13/12	B126-20H	3150	20	1300	Ø375	960	Ø195	Ø255	Ø195	Ø255	Ø345	118
54279	126	2	13/12	B126-20H	3150	20	1300	Ø375	960	Ø195	Ø255	Ø195	Ø255	Ø345	118
54291	126	2	13/12	B126-20H	3910	28	1300	Ø490	960	Ø290	Ø340	Ø290	Ø340	Ø460	195
54292	126	2	13/12	B126-20H	3910	28	1300	Ø490	960	Ø290	Ø340	Ø290	Ø340	Ø460	195
54254	126	2	13/12	B126-20H	3150	28	1300	Ø460	960	Ø290	Ø340	Ø290	Ø340	Ø430	178
54255	126	2	13/12	B126-20H	3150	28	1300	Ø460	960	Ø290	Ø340	Ø290	Ø340	Ø430	178
54256	550	1	18/17	WVB500-10H	5200	65	1750	Ø495	1360	Ø290	Ø355	Ø290	Ø355	Ø465	360
54303	550		18/17	WVB500-10H	5700	65	1750	Ø505	1360	Ø290	Ø355	Ø290	Ø355	Ø475	380
5477B	126/252	2	12/12	L110-10H	3150	20	1210	Ø375	880	Ø205	Ø255	Ø205	Ø255	Ø335	160
5477E	126/252	2	12/12	C220-5H	3465	20	1210	Ø405	880	Ø205	Ø255	Ø205	Ø255	Ø365	170
5477F	126/252	2	14/14	C330-20H	4300	20	1430	Ø405	1075	Ø205	Ø255	Ø205	Ø255	Ø365	190
5477M	126/252	2	17/16	C330-20H	5000	20	1635	Ø405	1280	Ø205	Ø255	Ø205	Ø255	Ø365	210
5478B	126/252	2	13/13		3150	20	1290	Ø395	960	Ø225	Ø275	Ø225	Ø275	Ø355	170
5478E	126/252	2	13/13	B220-10H	3465	20	1290	Ø415	960	Ø225	Ø275	Ø225	Ø275	Ø375	180
5478C	126/252	2	14/14	B330-10H	4300	20	1430	Ø425	1075	Ø225	Ø275	Ø225	Ø275	Ø385	205
5478M	126/252	2	17/16	B330-10H	5000	20	1635	Ø425	1280	Ø225	Ø275	Ø225	Ø275	Ø385	230

SF6 Gas Insulation Instrument Transformer Porcelain Shells

IEC

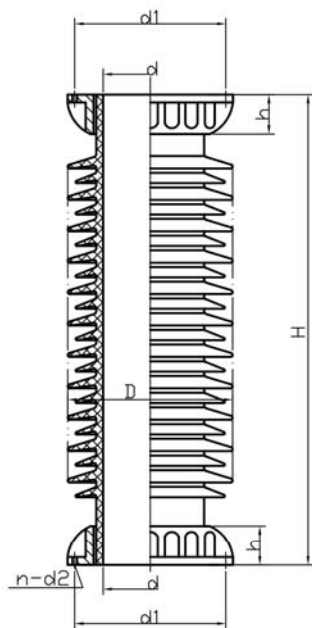


图1 Fig.1

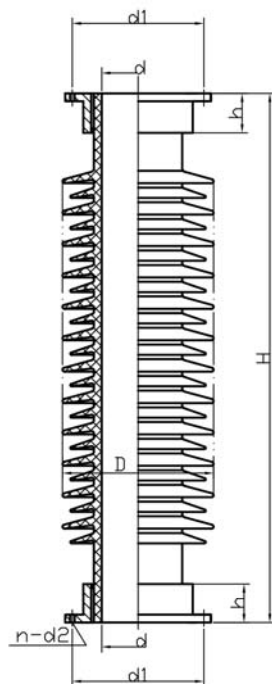


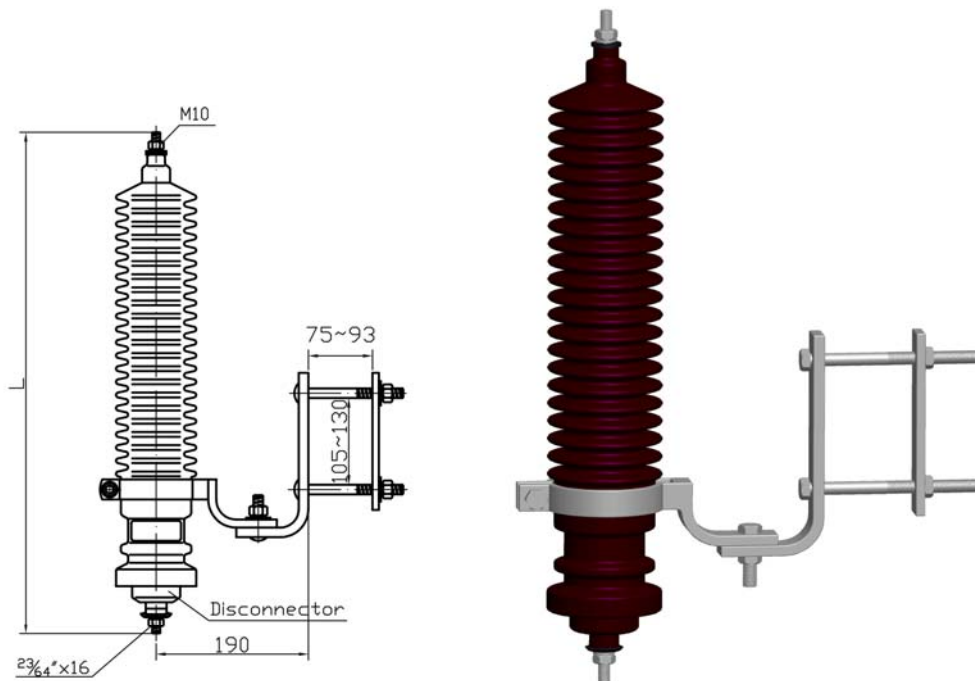
图2 Fig.2



Type	Rated Voltage (kV)	Fig No.	Shed No. Big/Small	Type for Capacitor	Cantilever Failing Load (kN.m)	Inner Hydro Test (MPa)			Creepage Distance (mm)	Dimensions (mm)					
						Withstand Load of Inner Pressure	Withstand Time (min)	Failing Load of Inner Pressure		H	D	h	d	d1	n-d2
5708C	126	1	11/11	LVQB-126W ₂	15.6	1.6	5	2.6	3150	1200	Ø420	100	Ø240	Ø385	16-Ø18
5708E	126	1	12/12	LVQB-126W ₂	16.0	1.6	5	2.6	3906	1380	Ø430	100	Ø240	Ø385	16-Ø18
5708H	126	1	12/12	LVQB-126W ₂	12.0	1.8	5	2.6	3930	1350	Ø395	100	Ø185	Ø335	12-Ø18
5738	126	2	12/12	LVQB-126W ₂	16.0	1.6	5	2.6	3150	1350	Ø385	100	Ø185	Ø335	12-Ø18
5738E	126	2	15/14	LVQB-126W ₂	16.0	1.6	5	2.6	3906	1440	Ø365	100	Ø185	Ø335	16-Ø18
5739	252	1	21/20	LVQB-252W ₂	16.0	1.6	5	2.6	6300	2336	Ø580	150	Ø370	Ø560	16-Ø18
5739E	252	1	38/37	LVQB-252W ₂	25.0	2.0	5	3.6	7812	2550	Ø520	140	Ø290	Ø460	18-Ø18
5739C-2	252	1	22/21	LVQB-252W ₂	49.0	1.3	5	2.6	6800	2330	Ø490	125	Ø290	Ø470	16-Ø18
5739C-3	330	1	40/39	LVQB-330W ₂	25.0	1.6	5	2.6	11000	3100	Ø420	257	Ø290	Ø470	18-Ø18

Metal Oxide Surge Arrester, Standard IEC 60099-4

Metal oxide surge arrester used for protect electrical equipment from over-voltage at A.C. distribution systems and improve its operating reliability.our products comply with IEC99-4 and ANSI C62-11. There are two designs of gapless and with gap. Polymer housed products are with advantage of light-weight big creepage distance and not easy cracked during handing and shipping. in addition, disconnector and Mounting Bracket are available upon user's request.



Main Dimensions and Standard Particulars

Type	Rated Voltage kV	MCOV kV(Crest)	FOW kV(Crest)	Max.Discharge Voltage Using an 8/20 us Current Wave/kV		Discharge Capacity Rectangular Wave 20 times at 2000us/A		Discharge Capacity at 4/10us Impulse Current 2 times/kA	
				5 kA	10 kA	5 kA	10 kA	5 kA	10 kA
Y5(10)W-03	3	2.55	10.6	9.2	9.9	75	250	65	100
Y5(10)W-06	6	5.1	21.2	18.4	19.8	75	250	65	100
Y5(10)W-09	9	7.65	31.8	27.6	29.7	75	250	65	100
Y5(10)W-10	10	8.4	35.3	30.7	33.0	75	250	65	100
Y5(10)W-12	12	10.2	42.4	36.8	39.6	75	250	65	100
Y5(10)W-15	15	12.7	53.0	46.0	49.5	75	250	65	100
Y5(10)W-18	18	15.3	63.6	55.2	59.4	75	250	65	100
Y5(10)W-21	21	17.0	74.2	64.4	69.3	75	250	65	100
Y5(10)W-24	24	19.5	84.8	73.6	79.2	75	250	65	100
Y5(10)W-27	27	22.0	95.4	82.8	89.1	75	250	65	100
Y5(10)W-30	30	24.4	105.9	92.1	99.0	75	250	65	100
Y5(10)W-33	33	27.0	116.4	101.3	108.9	75	250	65	100
Y5(10)W-36	36	29.0	127	110.5	118.8	75	250	65	100

Surge Arrester Series

Standard: IEC 60099-4



1. Ambient temperature: $-40^{\circ}\text{C} - +40^{\circ}\text{C}$;
2. Altitude: not more than 2000mm;
3. Frequency of power source is not less than 48Hz, not more than 62Hz;
4. Power frequency voltage applied between terminals of surge arrester must not overpass continuous operating voltage of surge arrester;
5. Earthquake intensity is not higher than 7 degree;
6. Max. wind velocity is lower than 35m/s.

Metal Oxide Surge Arrester Polymeric-housed Without Gaps for A.C. System(5kA series)

Type	Rated Voltage kV(r.m.s)	Continuous Operating Voltage kV(r.m.s)	8/20 μ Lightning Impulse Residual Voltage Under Nominal Discharge Current $\leq$ kV(Peak)	2ms Square Wave Impulse Current Withstand A	4/10 μ s High Current Impulse Withstand kA(Peak)
YH5W - 3	3	2.55	9	100	65
YH5W - 6	6	5.1	18	100	65
YH5W - 9	9	7.65	27	100	65
YH5W - 12	12	10.2	36	100	65
YH5W - 15	15	12.7	45	100	65
YH5W - 18	18	15.3	54	100	65
YH5W - 21	21	17.0	63	100	65
YH5W - 24	24	19.2	72	100	65
YH5W - 27	27	21.9	81	100	65
YH5W - 30	30	24.4	90	100	65
YH5W - 33	33	26.8	99	100	65
YH5W - 36	36	29	108	100	65

Metal Oxide Surge Arrester Polymeric-housed Without Gaps for A.C. System(10kA series)

Type	Rated Voltage kV(r.m.s)	Continuous Operating Voltage kV(r.m.s)	8/20 μ Lightning Impulse Residual Voltage Under Nominal Discharge Current $\leq$ kV(Peak)	2ms Square Wave Impulse Current Withstand A	4/10 μ s High Current Impulse Withstand kA(Peak)
YH10W - 3	3	2.55	9	-	100
YH10W - 6	6	5.1	18	-	100
YH10W - 9	9	7.65	27	-	100
YH10W - 12	12	10.2	36	-	100
YH10W - 15	15	12.7	45	-	100
YH10W - 18	18	15.3	54	-	100
YH10W - 21	21	17.0	63	-	100
YH10W - 24	24	19.2	72	-	100
YH10W - 27	27	21.9	81	-	100
YH10W - 30	30	24.4	90	-	100
YH10W - 33	33	26.8	99	-	100
YH10W - 36	36	29	108	-	100

Surge Arrester Series

Substation type

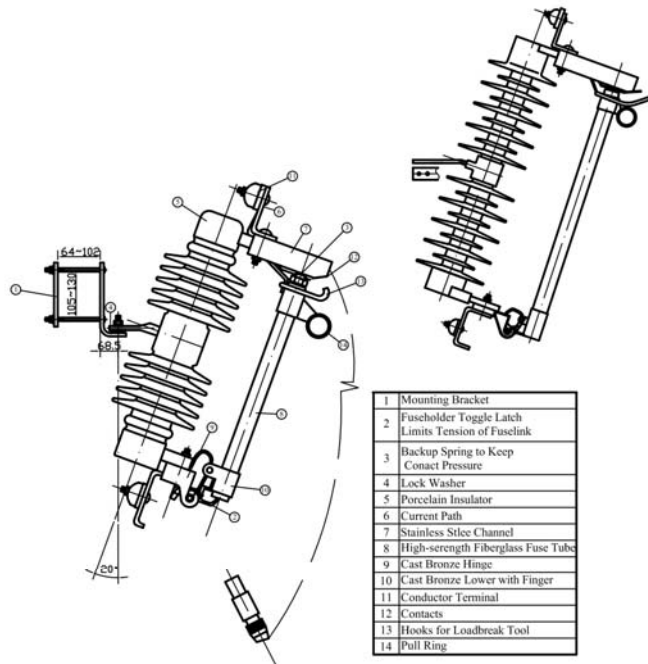
Standard: IEC 60099



Type	Rated Voltage kV(r.m.s)	Continuous Operating Voltage kV(r.m.s)	Lightning Impulse Residual Voltage Under Nominal Discharge Current kV(Peak)	Square Wave Impulse Current Withstand A	High Current Impulse Withstand kA(Peak)
YH5WZ - 3	3.8	2.0	13.5	200	65
YH5WZ - 5	5.0	4.0	13.5	200	65
YH5WZ - 7	7.6	4.0	27	200	65
YH5WZ - 10	10	8.0	27	200	65
YH5WZ - 12	12.7	8.6	45	200	65
YH5WZ - 17	17	13.6	45	200	65
YH5WZ - 42	42	23.4	134	400	65
YH5WZ - 51	51	40.8	134	400	65
YH10WZ - 84	84	67.2	221	600	100
YH10WZ - 90	90	72.5	235	600	100
YH10WZ - 100	100	78	260	600	100
YH10WZ - 108	108	84	281	600	100
YH10WZ - 192	192	150	500	800	100
YH10WZ - 204	204	159	532	800	100
YH10WZ - 216	216	168.5	562	800	100

Fuse Cut-out

Fuse cutout provide reliable protection from low level overload currents that just melt the fuselink, through intermediate and very high faults current up through Max interrupt capacity for the lines of A. C system and various apparatus on those linse such as transformers, capacitor banks, Our products comply with IEC282-2 and ANSIC37-42. In addition,The load-break Cutout with extinguishing device are also available upon request.



1	Mounting Bracket
2	Fuseholder Toggle Latch Limits Tension of Fuselink
3	Backup Spring to Keep Contact Pressure
4	Lock Washer
5	Porcelain Insulator
6	Current Path
7	Stainless Steel Channel
8	High-strength Fiberglass Fuse Tube
9	Cast Bronze Hinge
10	Cast Bronze Lower with Finger
11	Conductor Terminal
12	Contacts
13	Hooks for Loadbreak Tool
14	Pull Ring



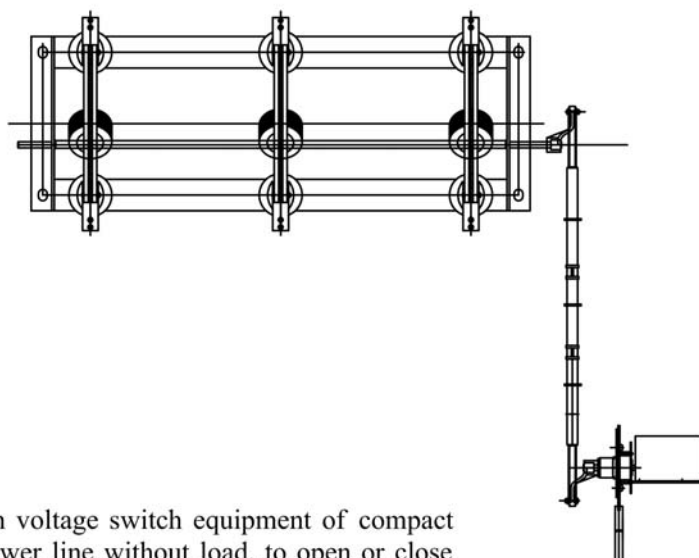
IEC 282-2
ANSI C37-42



Type	Rated Vol. (kV)	Rated Current (A)	Rated Breaking Current (kA)	Power Freq. Withst. Vol. 1 min (kV _{r.m.s})	Lightning Impulse Withst. vol. (kV _p)	Creepage Distance (mm)	Net Weight, Each, Approx. (kg)
RW12 - 12/100	10-15	100	10	40	110	245	5.7
RW12 - 12/200	10-15	200	12	40	110	245	5.9
PRWG1 - 12F/100	10-15	100	10	45	110	315	7.4
PRWG1 - 12F/200	10-15	200	12	45	110	315	7.6
RW12 - 24/100	24-27	100	8	65	150	530	12
RW12 - 24/200	24-27	200	10	65	150	530	12
RW12 - 36/100	33-36	100	10	70	170	720/900	15.5
RW12 - 36/200	33-36	200	12	70	170	720/900	15.5
HRW12 - 12/100	10-15	100	10	40	110	440	3.6
HRW12 - 12/200	10-15	200	12	40	110	440	3.8
HPRWG1 - 12F/100	10-15	100	10	45	110	374	5.2
HPRWG1 - 12F/200	10-15	200	12	45	110	374	5.4
HRW12 - 24/100	24-27	100	8	65	150	560	4.6
HRW12 - 24/200	24-27	200	10	65	150	560	4.6
HRW12 - 36/100	33-36	100	10	85	200	720/900	5.6
HRW12 - 36/200	33-36	200	12	85	200	720/900	5.8

Disconnect Switch

IEC 62271



GW series outdoor high voltage switch is the high voltage switch equipment of compact structure is suitable for outdoor 12kv and 36kv power line without load, to open or close circuit. With manpower operation rod, it can avoid wrong closing when earthing line is with power or loading. There is no need for operator to work with earthing line. Anti-Pollution type switch is suitable for filthy condition area, which can protect flashover effectively.

Type		GW 1-11-630	GW 1-11-1250	GW 1-33-630	GW 1-33-1250
Rated Voltage, kV		11(12)	11(12)	33(36)	33(36)
Rated Current, A		630	1250	630	1250
Power frequency withstand voltage 1min, kV	To earth	42	42	70	70
	Across Open DS	48	48	80	80
Lightning impulse withstand voltage, kV	To earth	75	75	170	170
	Across Open DS	95	95	195	195
4s short time withstand current, kA		20	31.5	20	31.5
Peak withstand current, kA		50	80	50	80
Mechanical endurance, cycle		2000	2000	2000	2000

Disconnect Switch

IEC 62271

RH series has standard disconnecter and it can attach fuse cutout as option. The option type has function as normal disconnecter, meanwhile its special design can protect electric system from overload circuit with fuse link. Because of its optimized structure, the total weight and volume reduced so it is easier to install on pole and save space.

Standard Disconnecter RH



Option Disconnecter with fuse cutout RH-B



Type		RH-11/200	RH-B-11/200	RH-33/200	RH-B-33/200
Rated Voltage, kV		11(12)	11(12)	33(36)	33(36)
Rated Current, A		200	200	400	400
Power frequency withstand voltage 1min, kV	To earth	38	38	73	73
	Across Open DS	45	45	86	86
Lightning impulse withstand voltage, kV	To earth	75	75	170	170
	Across Open DS	90	90	195	195
Short time withstand current, kA		12.5	12.5	12.5	12.5
Creeepage distance, mm		450	450	900	900
Rated current for fuse cut out, A		/	100	/	100

The product can be customer specified.