CATALOGUE 2006



BONLE ELECTRIC

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BONLE (FUZHOU) INTERNATIONAL CO.,LTD.

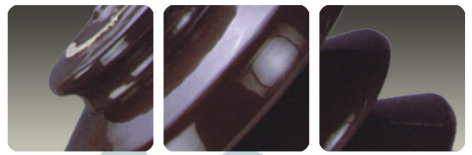
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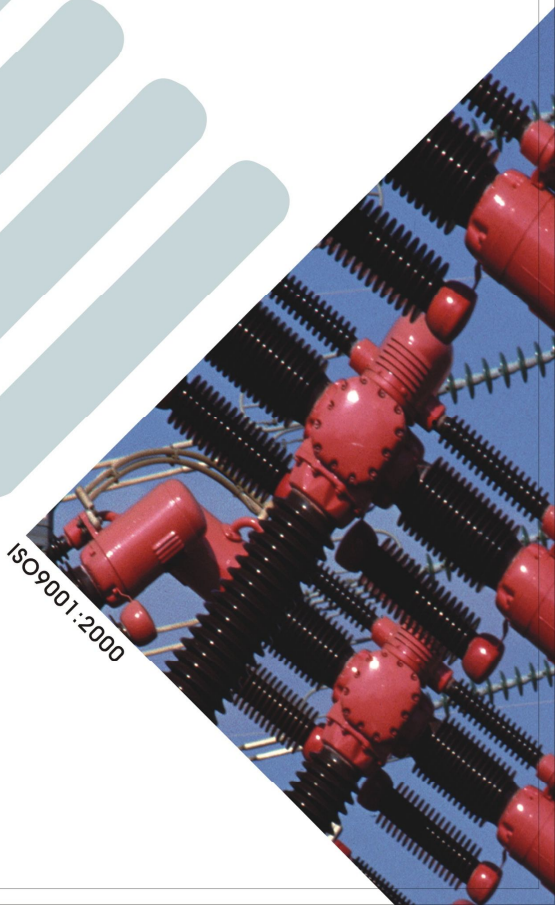
BONLE ELECTRIC I

>>> High-voltage Line

BONLE



ISO9001:2000



BONLE has had 15 years experience in exporting and manufacturing electrical appliances. It also has established a reliable sales & service system、professional manufacture system、strict inspection system、integrative managements system. The following four factories are invested by **BONLE**. 90% of their products are supplied to **BONLE** (FUZHOU) INTERNATIONAL CO.,LTD.

1. **BONLE**(FUJIAN)ELECTRIC MANUFACTURING CO.,LTD.
   Taiyu Rd.,Gulon Yuan.Fuwan Pian,Jinshan Industrial Zone,Fuzhou,Fujian Province,China
2. **BONLE**(MINQING) ELECTRICAL APPLIANCES CO.,LTD.
   No.1,Baoxing Industrial Zone,Chiyuan,Minqing County,Fuzhou,China
3. **BONLE**(FUZHOU) HIGH VOLTAGE PORCELAIN INSULATOR CO.,LTD.
   No.25,Houlong,Yunlong,Minqing County,Fuzhou,China
4. **BONLE**(MINQING) HARDWARE PRODUCTS FACTORY
   No.2,Baoxing Industrial Zone,Chiyuan,Minqing County,Fuzhou,China

Welcome to visit **WWW.BONLE.COM** whenever you intend to get more information about **BONLE**.

Meanwhile welcome to share **BONLE**'s six catalogues display respectively as below:

1. **BONLE** introduction
2. **BONLE** ELECTRIC I (High-voltage Line)
3. **BONLE** ELECTRIC II (Lighting,Lamp)
4. **BONLE** ELECTRIC III (European Line)
5. **BONLE** ELECTRIC IV (Lampholder,Switch,Socket,Plug,etc)
6. **BONLE** ELECTRIC V (Doorbell,Terminal Block,Test pen,etc)

CONTENT

BONLE ELECTRIC I
High-voltage Line


★ *Insulators* 01……23


★ *Cut-out fuse* 37……44


★ *Insulators & power accessories* 24……27


★ *High-voltage isolate switch* 45……45


★ *Composite insulators* 28……31


★ *High-voltage current limiting fuse* 46……46

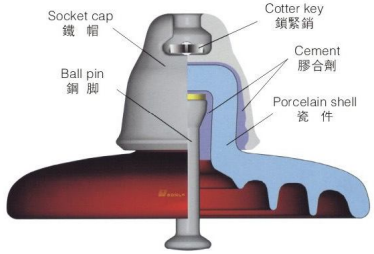

★ *Lightning arrester* 32……36


★ *Insulated cable* 47……49

Cap and pin type suspension insulators for high voltage

★高壓綫路盤形懸式絶緣子





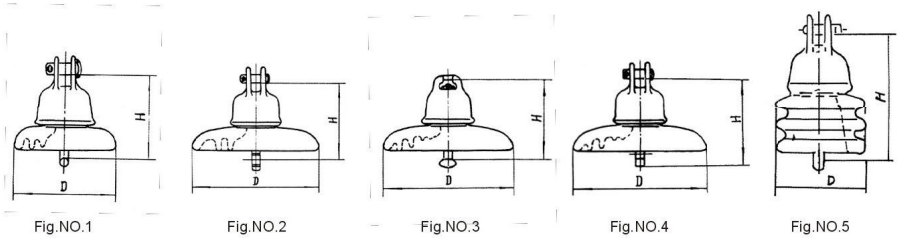


Fig.NO.1 Fig.NO.2 Fig.NO.3 Fig.NO.4 Fig.NO.5

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

美標等級 Class ANSI			52-1 XP-4.5C-M	52-2 XP-7C-M	52-3 XP-7-M	52-4 XP-7C-M	52-5 XP-11-M	52-6 XP-11C-M	52-8 XP-16-M	52-9 XP-4.5C-M	52-10 XP-16C-M
圖 號 Fig.NO			1	2	3	4	3	4	3	5	4
主要尺寸 Main Dimensions mm	D		165	190.5	254	254	254	254	279.4	114	297.4
	H		139.7	146	146	146	146	146	146	160	165
爬電距離 Creepage Distance/mm			117.8	209.5	292	292	279.4	279.4	279.4	171	279.4
工頻擊穿電壓 Power Frequency Puncture Voltage KV			80	90	110	110	110	110	110	80	110
平均閃絡電壓 Average Flashover Voltage	工頻壓 Power-Frepuency	幹 Dry/KV	60	65	80	80	80	80	80	60	80
		濕 Wet/KV	30	35	50	50	50	50	50	30	50
	臨界衝擊 Critical-Impulse 15×40us Wave	正極性 Positive/KV	100	115	125	125	125	125	125	125	125
		負極性 Negative/KV	100	115	130	130	130	130	130	90	130
無綫電幹擾電壓 Raido-Influence-voltage Data	對地實驗 Test Voltage to Ground/KV		7.5	7.5	10	10	10	10	10	7.5	10
	1000千赫的最大 Maximum RIV at 1000KHz/uKV		50	50	50	50	50	50	50	50	50
極電破壞負荷 Electromechanical Load/kg			4500	6750	6750	6750	11250	11250	16350	4540	16200
機械打擊强度 Mechanical Impact Strength/in-16			45	50	55	55	60	60	90	45	90
長時間負荷 Time Load Test Value/kg			2700	4500	4500	4500	6750	6750	10900	2720	10800
重量 Weight(kg)			2.5	3.9	4.6	4.9	5.6	5.9	6.9	2.6	7.2

Anti-pollution suspension porcelain insulators(fog type)

★交流耐污盤形懸式瓷絶緣子(鐘罩型)



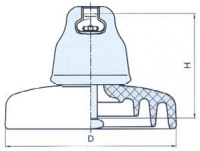


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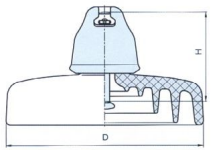


Fig.NO.2

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type	Class IEC	Fig No	Unit Spacing (H) mm	Nominal Dianeter (D) mm	Nominal Creepage distance (L) mm	CoupLing Size	Rated E&M failing load KN	Roune tension Load KN	Impact failing load N · m	Power Frequency Withstand Voltage		Dry lightning impulse withstand votlage KV	Power Frequency Withstand Voltag	Radio-interference voltage		Unit mass
										Wet KV	Dry KV			Test voltage to ground KV	Max.RIV at 1 MHz KV	
XHP-70	U70BLP	1	146	255	432/450	16	70	35	6	42	80	120	120	10	50	6.1/6.3
XHP5-70	U70BL	1	146	280	400	16	70	35	6	42	80	120	120	10	50	6.0
XHP-80	U80BM/LP	1	140/146	255	432	16	80	40	6	42	80	120	120	10	50	6.5
XHP-100	U100BEL	1	160	280	400/430	16	100	50	7	45	80	120	120	10	50	7.9/8.2
XHP2-100	U100BLP	1	146	255	432/450	16	100	50	7	42	80	120	120	10	50	7.7/7.9
XHP1-120	U120BP	1	146	255/280	432/450	16	120	60	7	45	80	120	120	10	50	760/820
XHP3-120	U120BP	2	146	320/330	555	16	120	60	7	55	80	120	130	10	50	10.3
XHP4-120	U120BP	1	160	255	432	16	120	60	7	42	80	120	120	10	50	8.2
XHP-160	U160BMP	1	155	280/300	450	20	160	80	10	45	80	120	130	10	50	10.1/10.3
XHP2-160	U160BLP	2	170	330/320	525/550	20	160	80	10	55	90	135	130	10	50	11.7/12.0
XHP5-160	U160BMP	2	155	330	450/550	20	160	80	10	45/55	80/90	120/135	130	10	50	10.3/12.0
XHP-210	U210BP	1	170	300	450	20/24	210	105	10	45	80	130	130	10	50	12.6/12.3
XHP1-210	U210BP	2	170	330	550	20	210	105	10	55	90	135	130	10	50	14.5
XHP1-240	U240BP	2	170	330	550	24	240	120	10	55	90	135	130	10	50	15.2
XHP-300	U300BP	1	195	320/330	485/505	24	300	150	10	45	80	130	130	10	50	15.2/15.7
XHP3-300	U300BP	1	200	320/330	450	24	300	150	10	45	80	130	130	10	50	15.1
XHP4-300	U300BP	2	195	380	690	24	300	150	10	60	100	140	140	10	50	21.4
XHP5-300	U300BP	2	195	360	600	24	300	150	10	55	90	135	130	10	50	19.1

Anti-pollution suspension porcelain insulators

★耐污盤形懸式瓷絶緣子



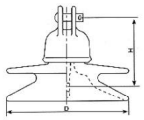


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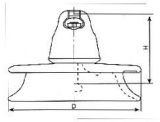


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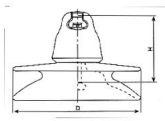


Fig.NO.3



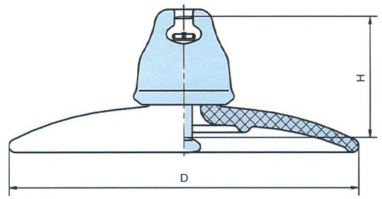


Fig.NO.4

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type	Class (IEC)	Fig No	Unit Spacing (H) (mm)	Disc diamter (D) (mm)	Leakage distance (mm)	Rated E&M failing load (KN)	Routine tension load (KN)	Wet Power-freq Withstand Voltage (KV)	Lightning Impulse Withstand Voltage (KV)	Radio-influence goltage		Power-freq Puncure Voltage (KV)	Weight (kg)
										Test voltage To ground (KV)	Max.RIV at 1MHz (uV)		
U70B	XWP1-70	3	160	255	400	70	35	45	125	10	50	120	5.90
U70C	XWP2-70C	1	146	255	400	70	35	42	120	10	50	120	5.90
U70B	XWP2-70	3	146	255	400	70	35	42	120	10	50	120	5.60
U100B	XWP2-100	3	160	280	450	100	50	45	120	10	50	120	7.90
U160B	XWP-160	2	155	300	400	160	80	45	130	10	50	120	8.40
U160	XWP2-160	3	155	300	450	160	80	45	130	10	50	120	9.40
U210	XWP-210	3	170	300	450	210	105	45	130	10	50	120	11.50

Class (IEC)	type	Fig No	Unit Spacing (H) (mm)	Disc diamter (D) (mm)	Leakage distance (mm)	Rated E&M failing load (KN)	Routine tension load (KN)	Impact Failing Load (N.m)	Wet Power-freq Withstand Voltage (KV)	Lightning Impulse Withstand Voltage (KV)	Radio-influence goltage		Power-freq Puncure Voltage (KV)	Weight (kg)
											Test voltage To ground (KV)	Max.RIV at 1MHz (uV)		
XWP-70	U70B	4	146	350	300	70	35	-	40	105	10	50	120	6.00
XWP-80	U80	4	146	325	305	80	40	-	40	95	10	50	120	5.50
XWP-100	U100BL	4	146	350	300	100	50	-	40	105	10	50	120	6.70
XWP2-160	U160BS	4	146	425	385	160	80	-	45	110	10	50	130	10.60

Pin type insulators for high vol tage

★高壓綫路針式絶緣子





BS 英標

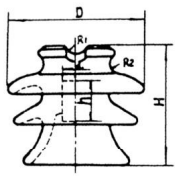


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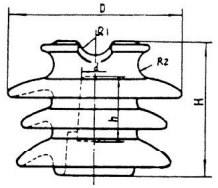


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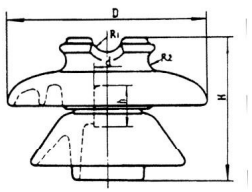


Fig.NO.3

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Class BS			P-11-Y	P-15-Y	P-22-Y	P-33-Y
Fig.NO			1	1	2	3
Main Dimensions mm		H	133	137	195	244
		h	48	48	52.63	52.63
		D	140	152	230	279
		d	18.29	18.29	27.78	27.78
		R1	13	13	19	19
		R2	9.5	12.7	14.3	13
Nominal Voltage/KV			11	15	22	33
Creepage Distance/mm			240	298	432	630
Minimum Flashover Voltage	Power Frequency	Dry /KV	75	80	100	135
		Wet/KV	45	55	60	85
	50%Impulse	Positive/KV	100	130	160	185
		Negative/KV	110	175	205	-
Withstand Voltage	One Minute Power-Frequency	Dry/KV	65	70	90	110
		Wet/KV	40	50	55	75
	Impulse/KV			110	150	-
Radio-Influence-voltage Data	Tist Voltage to Ground/KT		15	15	22	30
	Maximum RIV at 1000kHz/uV		8000	8000	12000	16000
Power Frequency Puncture Voltage/KV			135	150	145	185
Cantilever Failing Load(kgf)			1080	1090	1090	1350
Weight/kg			1.8	2	5	11.5

Pin type insulators for high vol tage

★高壓綫路針式絶緣子





ANSI 美標

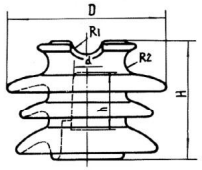


Fig.NO.1

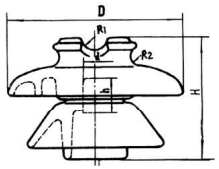


Fig.NO.2

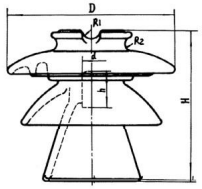


Fig.NO.3

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Class ANSI			56-1	56-2	56-3	56-4	56-5
Fig.NO			1	1	2	2	3
Main Dimensions mm		H	146	165	191	241	318
		h	50.8	50.8	50.8	50.8	63.5
		D	191	228	267	305	343
		d	34.9	34.9	34.9	34.9	34.9
		R1	19	19	19	19	19
		R2	14	14	14	14	14
Nominal Voltage /KV			23	23	35	46	69
Creepage Distance/mm			330	430	533	685	865
Minimum Flashover Voltage	Power-frequency	Dry/KV	95	110	125	140	175
		Wet/KV	60	70	80	95	125
	50% Imqulse	Positive/KV	150	175	200	225	270
		Negative/KV	190	225	265	310	340
Radio-Influencevoltage Data	Test Voltage to Ground/KV		15	22	30	30	44
	Maximum RIV.at 1000kHz/KV		100	100	200	200	200
Low Frequency Punture Voltage Average/KV			130	145	165	186	225
Dry Arcing Distance(mm)			178	210	241.3	285	356
Cantilever Failing Load(kgf)			1134	1360	1360	1360	1360
Weight/kg			3.7	5.3	7	10.8	13.5

Spindles(for use with pin type insulators)

★針式鋼脚



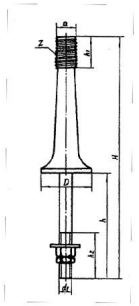


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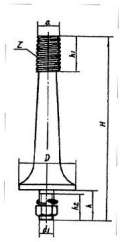


Fig.NO.2

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Fig.NO	Main Dimensions/mm							Mechanical Strength(kn)	Class ANSI	Weight(kg)
	H	D	h	h1	h2	a	d1			
1	330	76	178	51	76	34.9	20	11	56-1	1.9
1	356	76	178	51	76	34.9	20	9	56-2	2.2
1	407	89	178	51	76	34.9	20	10	56-3	2.5
1	432	89	178	51	76	34.9	20	9	56-4	3.25
1	343	45	165	51	76	34.9	20	6	56-2	1.6
2	198	76	45	51	40	34.9	20	11	56-1	1.54
2	223	76	45	51	40	34.9	20	9	56-2	1.87
2	274	89	45	51	40	34.9	20	10	56-3	2.17
2	299	89	45	51	40	34.9	20	9	56-4	2.7
2	223	45	45	51	40	34.9	20	6	56-2	1.3
1	356	76	76	51	76	34.9	16	5	56-2	1.9

The galvanized nut bushing is in coordination with load spindle (ANSI C29.6-1969.1吋)
螺紋與絕緣子鋅螺套連接系按美國標準ANSI C29.6-1969中1吋沿頭螺紋

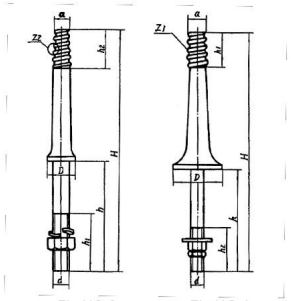


Fig.NO.3

Fig.NO.4

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Old Cat.No.		B2201	B2041	B2202	BS.16	BS.29
Fig.NO		3	3	3	4	4
Class BS		BS Small Steel			BS large steel	
Main Dimensions mm	H	305	352	215	261	369
	D	38	41	38	60	51
	h	140	127	50	46	140
	h1	74	80	44	41	78
	h2	44.45	44.45	44.45	47	47
	a	18.29	18.29	18.29	27.78	27.78
	d	20	22	20	22	22
Mechanical Strength(KN)		5	5	5	10	10
Weight(kg)		1	1.2	0.75	1.5	2

Pin type insulators for high voltage

★高壓綫路針式絶緣子

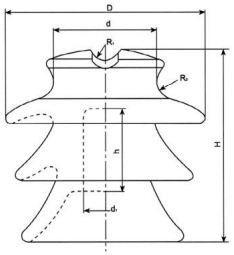


Fig.NO.1

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Cat.NO.		D10k45	D10k46	D10k47	D10k78
Fig.No.		1	1	1	1
Main dimensions mm	H	138	158	185	250
	h	55	60	65	90
	D	135	150	175	230
	d	62	72	82	92
	d 1	31	31	35	43
	R	12.5	12.5	12.5	12.5
Nominal voltage/KV		10	15	20	30
Power-frequency voltage/KV	Dry flashover	70	75	90	110
	Wet flashover	42	53	65	90
Puncture voltage/KV		110	120	140	140
50%Impulse withstand voltage/KV		100	110	130	180
Minimum breaking load/kg		1250	1250	1500	1500
Weight/kg		1.6	2.7	3.8	6.5
No.used before		P-10-D	P-15D	P-20	P-30

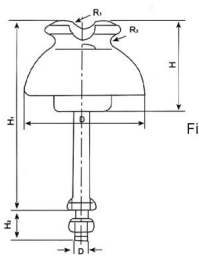


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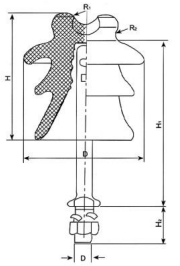


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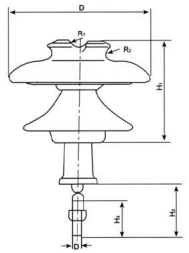


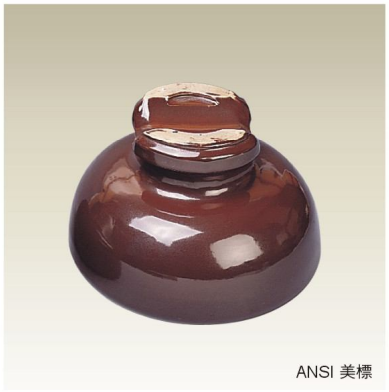
Fig.NO.4

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type		P-10T/M	P-15T/M	Pw-10T/M	Pw-10T/M	P-20T/M	P-35T/M
Fig No.		2	2	3	3	4	4
Main Dimensions mm	H	105	120	133	137	165	200
	H1	176	180	183	185	–	–
	H2T/M	35/140	40/140	40/140	40/140	45/180	45/210
	H3	–	–	–	–	45	45
	D	145	190	140	152	228	280
	D1	M16	M20	M20	M20	M20	M20
	R1	11	13	13	13	14	14
	R2	9	11	9.5	12.5	13	13
Nominal voltage (KV)		10	15	11	15	20	35
Leakage distance in		195	280	255	295	420	560
Lighting impulse withstand voltage (KV)		75	90	90	110	132	202
Power-frequency voltage	Wet withstand	28	40	40	50	50	68
	Puncture	95	98	130	135	110	156
Cantilever withstand strength (KN)		1.4	–	2	2	–	–
Cantilever failing load (KN)		11	11	11	11	13	13
Weight (kg)		2.1/2.3	3.4/3.7	2.35/2.7	2.4/2.75	7	9.5
Insulator Type		General type		Anti pollution		General type	

Pin type insulators for high voltage

★高壓綫路針式絶緣子



ANSI 美標

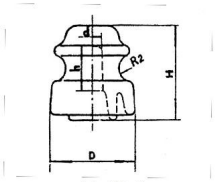


Fig.NO.1

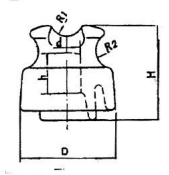


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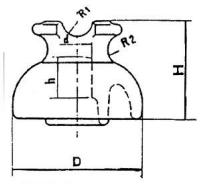


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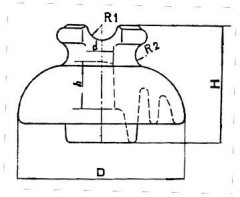


Fig.NO.4

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Class ANSI			55-1	55-2	55-3	55-4	55-5
Fig.NO			1	2	3	4	4
NO.Used Before			P-3M	P-6-M	P-10-M	P-10-M	PG15-M
Main Dimensions mm		H	89	82.6	95.3	111.2	123.9
		h	44.5	38.1	38.1	44.5	50.8
		D	82.6	95.3	120.7	129.6	177.8
		d	25.4	25.4	25.4	25.4	25.4
		R1	-	15.9	14.3	25.4	25.4
		R2	16	16	14.3	14.3	14.3
Nominal Voltage/KV			3	6	10	10	15
Creepage Distance/mm			102	127	179	229	305
Minimum Flashover Voltage	Power-Frequency	Dry/KV	35	50	65	70	85
		Wet/KV	20	25	30	40	45
	50% Impulse	Positive/KV	50	75	100	110	140
		Negative/KV	70	95	130	140	170
Radio-Influnce-voltage Data	Test Voltage to Ground/KV		5	5	10	10	15
	Maximum RIV at 1000kHz/KV		2500	2500	5500	5500	8000
Low Frequency Puncture Voltage Average/KV			50	70	90	95	115
Dry Arcing Distance(mm)			57	86	114	127	159
Cantilever Failing Load(ib)			3000	2500	2500	3000	3000
Weight/kg			0.8	0.84	1.33	2.25	3.38

Pin type insulators for high voltage

★高壓綫路針式絶緣子



33KV creepage distance 980mm

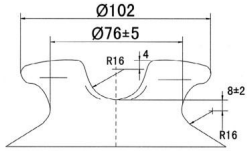
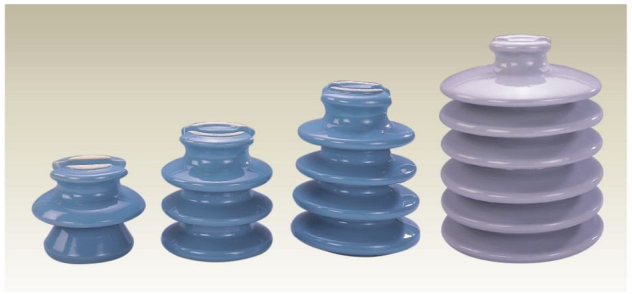


Fig.NO.B



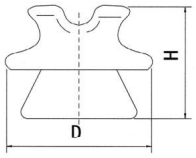


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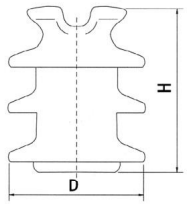


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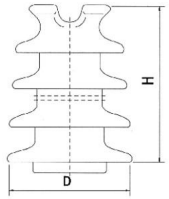


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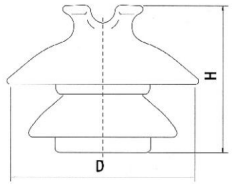


Fig.NO.4

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type	Fig. No.	Main Dimension		Creepage Distance	Lightning Impulse Withstand Voltage KV	Wet Power Frequency Withstand Votlage KV	Minimum Bending Failing Load KN	Recom Mended Pin Type	Designation
		H	D						
SLP/11/180	1	110	150	180	105	30	7	A/130/7	180S7
ALP/11/275	2	160	150	275	105	30	7	C/150/7	275A7
ALP/22/450	3	200	160	450	150	50	11	C/200/11	450A11
ALP/22/490	3	250	165	490	160	50	11	C/200/11	490A11
FLP/22/480	4	200	250	480	150	50	11	C/150/11	480F11
ALP/22/520	3	210	200	520	150	50	11	C/200/11	520F11
ALP/33/710	3	265	220	710	220	90	11	C/300/7	710A11
ALP/33/920	3	320	240	920	220	90	11	C/300/7	920A11

Line post insulators for high voltage

★高壓綫路柱式絶緣子



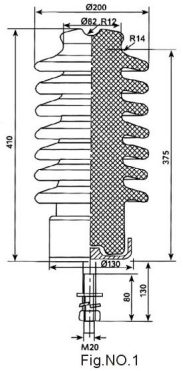


Fig.NO.1

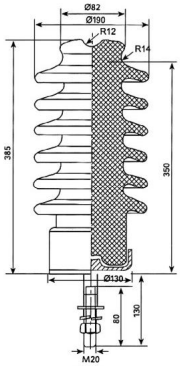


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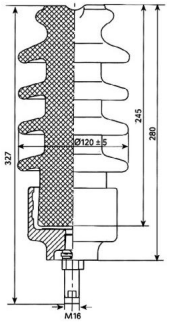


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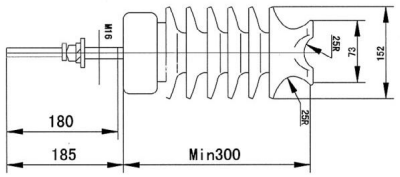


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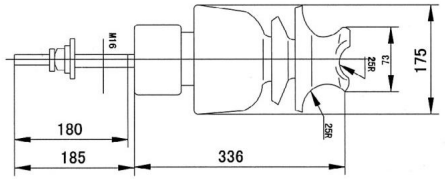


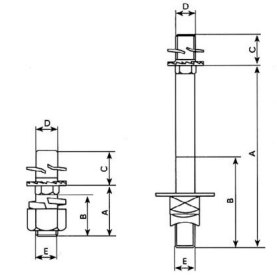
Fig.NO.5

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Class ANSI	Fig No	Creepage Distance (mm)	Protected Creepage Distance (mm)	Dry Arcing Distance (mm)	Cantilever Strength (KN)	Power Frequecney Withstand Voltage		Impluse Withstand Voltage (KV)	Test Voltage to Ground (KV)	Max.RIV at 1000KHZ (uV)	Approx Net Weight (Kg)
						Dry(KV)	Wet(KV)				
VKS35-S	1	900	260	-	8	100	70	170	-	-	-
VKS35-N	2	720	260	-	8	100	70	170	-	-	-
VKS15/500	3	375	260	-	13	80	60	-	-	-	-
57-2L-1	4	559	200	240	12.5	90	65	150	22	100	9.2
PIN POST	5	520	260	260	12.5	90	65	150	22	100	10

Line post insulators for high voltage

★高壓綫路柱式絶緣子





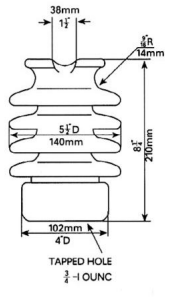


Fig.NO.1

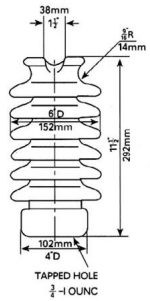


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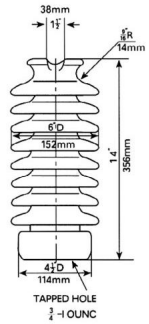


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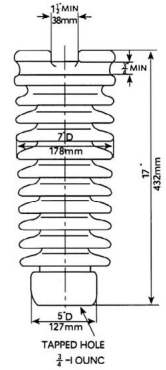


Fig.NO.4

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

ANSI Class	With long stud		57-1L	57-2L	57-3L	57-4L
	With short stud		57-1S	57-2S	57-3S	57-4S
Leakage distance/in mm			14 356	22 559	29 737	1015
Dry arcing distance/in mm			6 1/2 165	9 1/2 241	121/2 311	368
Cantileve strength/lb kN			2800 12.5	2800 12. 5	2800 12.5	12.5
Fig.No			1	2	3	4
Average flashorer voltage	Low-frequency	Dry/kV	80	110	125	150
		Wet/kV	60	85	100	125
	Critical-Impulse	Positive/kV	130	180	210	255
		Negative/kV	155	205	260	340
Radio-influence voltage data	Test Voltage to Ground/kV		15	22	30	44
	Maximum RIV at 1.000kc/ μV		100	100	200	200

For ANSI Class		57-1S	57-1L	57-2S 3S 4S	57-2L 3L 4L
Main dimensions Steel stand mm	A	1 3/4 44.5	7 178	1 3/4 44.5	7 178
	B	1 7/16 36.5	4 1/2 114	1 7/16 36.5	4 1/2 114
	C	1 7/32 31.0	1 7/32 31.0	1 7/32 31.0	1 7/32 31.0
	D	3/4	3/4	3/4	3/4
	E	5/8	5/8	3/4	3/4



Line post insulators for high voltage

★高壓綫路柱式絶緣子

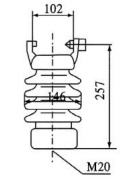


Fig NO.1

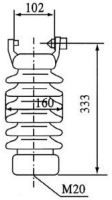


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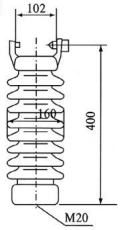


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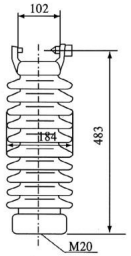


Fig NO.4

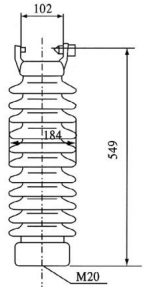


Fig NO.5

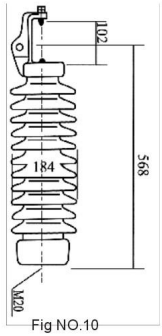


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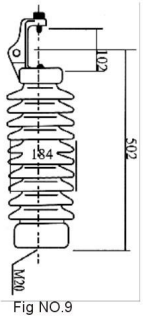


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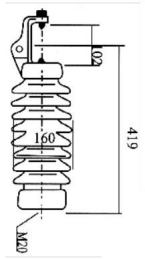


Fig NO.8

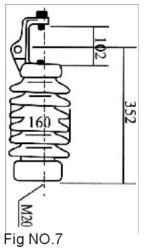


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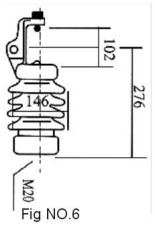


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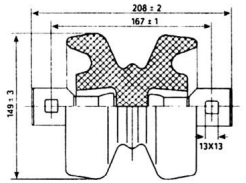
MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

ANSI Class	Fig. No	Creepage Distance (mm)	Dry Arcing Distance (mm)	Cantilever Strength (KN)	Lower Frequency Flashover Voltage		Critical Impulse Flashover Voltage		Test Voltage to Ground (KV)	Max. RIV at 1000KHZ (uV)	Approx. Net Weight (Kg)
					Dry(KV)	Wet(KV)	Positive (KV)	Negative (KV)			
57-11	1	356	165	12.5	80	60	130	155	15	100	6.8
57-12	2	559	241	12.5	110	85	180	205	22	100	10
57-13	3	737	311	12.5	125	100	210	260	30	200	11.8
57-14	4	1015	368	12.5	150	125	255	340	44	200	15.9
57-15	5	1145	438	12.5	175	150	290	380	44	200	18.6
57-21	6	356	165	12.5	80	70	130	155	15	100	7.5
57-22	7	559	241	12.5	110	100	180	205	22	100	10.5
57-23	8	737	311	12.5	125	115	210	260	30	200	12.7
57-24	9	1015	368	12.5	150	135	255	340	44	200	16.8
57-25	10	1145	438	12.5	175	160	290	380	44	200	19.5

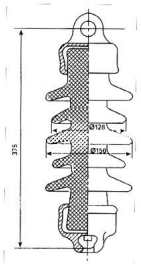
Long rod suspension insulators

★棒型懸式絶緣子

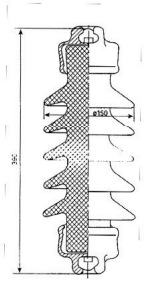




VN001



L70E225



L70E245

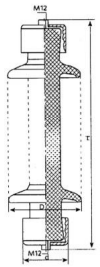
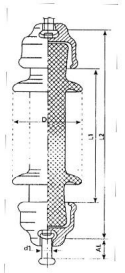


Fig NO.1


Fig NO.2

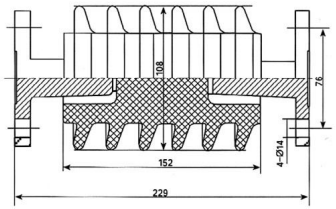
MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type	Fig NO	Main dimensions			Leakage	Failing load	Tensile breaking	One minute withstand Voltage	Impulse withstand Voltage
		H	D	d					
		mm	mm	mm	mm	KN	kg	KV	KV
HN1-10	1	210	120	86	240	—	1000	28	75
HN1-15	1	250	126	86	350	—	1000	38	95
HN1-20	1	295	150	86	480	—	1000	50	125
HN1-30	1	435	140	86	720	—	1000	70	170
LR	1	410	180		600	—	1000	70	120

Type	Fig. NO	Main dimensions					Creepage distance	1 minute withstand voltage wet	Impulse withstand voltage (S 1.2/50 wave)	Tensile breaking load (min)	Routine tension load	Average weight of each piece	Contents of each package	Packed weight
		L1	L2	△L	D	d1								
		min mm	mm	mm	max mm	mm	mm	kV	kV	kN	kN	kg	pcs	kg
L40BE 380	2	380	480	30	170	11	800	95	250	40	24	9.5	3	40
L60BE 315	2	315	488	40	180	16	900	75	170	60	36	11.6	3	47
L70BE 380	2	380	550	40	180	16	800	95	250	70	42	14.5	3	56
L100BE 550	2	550	895	40	190	16	1200	140	325	100	60	20.5	1	30.5

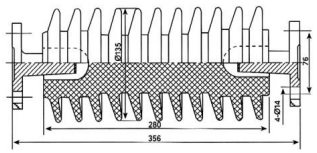
Post insulators of ceramic material for high voltage

★高壓支柱瓷絶緣子

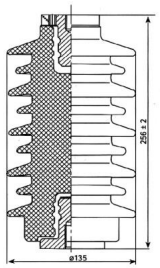


EP714

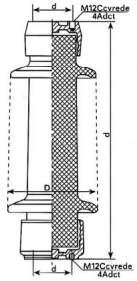


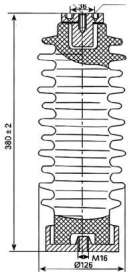


EP847/02



NAL-E24KV户外支柱





2L-35/4Y-W

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type	Power frequency f/o dry	Power frequency f/o wet	Creepage distance	Cantilever strength	Tensile strength
EP714	100	45	335	2.5	10
EP847/02	130	95	820	1.5	—
NAL-E24KV	—	—	545	2KN	—
2L-35/4Y-W	—	—	650	4KN	—

Type	Main dimensions			Leakage	Failing load	Tensile beraking	One minute with	Impulse with
	H	D	d					
	mm	mm	mm	mm	KN	Kg	KV	KV
C4-75	215	170	76	240	5	600	28	75
C4-95	255	176	76	350	4	800	38	95
C4-125	305	180	76	480	4	800	50	125
C4-150L2	355	163	76	750	4	—	50	—
C4-170	445	170	76	720	4	1200	80	170
JR-95	—	—	—	430	—	—	70	—

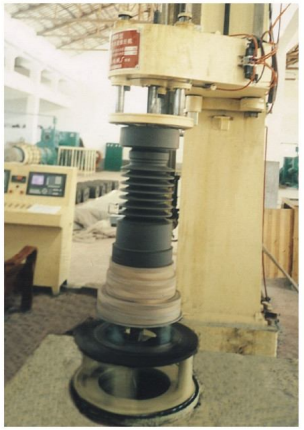
Electric power porcelain cannula series

★電力瓷管系列









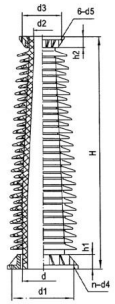


Fig.NO.1

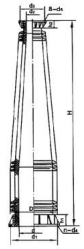


Fig.NO.2



Fig.NO.3

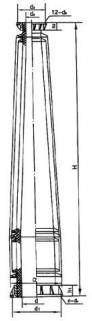


Fig.NO.4

SF6 SERIES TECHNICAL PARAMETERS

Nominal Voltage KV	Fig. NO	Shed Number Big/small	The type and Parameters suitable breaker	Inner pressure test		Press failing load	KN-m Press failing load	Creepage distance mm	Main dimension mm											Weight kg
				Press with-stand bad	Min withstand time				H	h_1	h_2	D	d	d1	d2	d3	d4	d5	n	
110	4	19	ZF6-110	2.3	5	3.3	20	2970	1326	105	75	390	390	360	100	205	19	M12	8	129
220	/	20/20	OFPTB-252	2.3	5	3.3	63.4	6300	2300	180	100	556	556	520	145	270	24	M12	12	360
330	3	50	LW13-330	2.0	5	2.8	52	6180	2670	150	95	570	570	600	160	310	24	15	12	370
	3	31/30	LW13-330	2.0	5	2.8	60.7	7260	3100	150	95	586	586	600	157	310	24	15	12	441
	3	37/36	LW13-330	2.0	5	2.8	70.5	9075	3600	150	95	586	586	600	157	310	24	15	12	494
220	/	25/24	LW12-220	2.3	5	3.3	63.4	6300	2750	180	100	530	530	520	145	270	24	M12	12	395
	3	24/23		1.2	1	2.0	24	6300	2300	105	80	686	686	650	160	310	18	14	16	108
330	3	40/39	300-SFMT	2.0	5	2.8	19.5	11253	3600	150	95	612	612	600	157	310	24	15	12	665
110	4	18/17		2.3	5	3.3	23	3860	1650	100	75	370	370	330	98	195	15	M12	12	165
330	4	49/48		2.3	5	3.3	102	9438	3800	201	80	667	667	610	171	310	M16	15	16	668
110	/	33		2.0	5	2.8	8	3625	1500	70	50	345	345	330	98	220	14	12	8	93
220	/	33/32	LW23-252	2.0	1	2.8	15	6300	2400	120	70	492	492	500	140	270	18	15	12	343
	/	30/29		2.3	5	3.3	63.4	7812	2700	180	100	556	556	520	145	270	24	M12	12	404
500	2	46/45	LW6-500	2.0	5	3.3	280	13750	5000	350	175	870	870	800	260	460				1990
	3	52/51	LW13-500	2.0	5	2.8	130	13750	4900	215	95	680	680	650	157	310	24	15	12	1036

Toughened glass insulators of cap and pin type(normal type)

★鋼化玻璃懸式絶緣子（普通型）



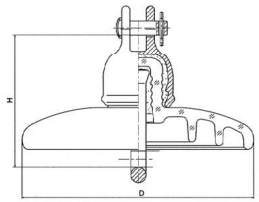


Fig.NO.1

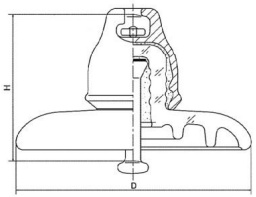


Fig.NO.2

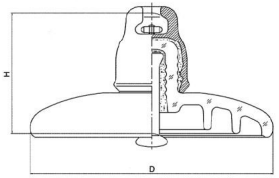


Fig.NO.3

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type	IEC Class	Fig. No	Nominal Diameter D mm	Unit Spacing H mm	Nominal Creepage Distance mm	Coupling Size	MIn. Mechanical Failing Load KN	Min. Impact Strength N.m	Dry Lightning Impulse Withstand Volt. KV	Power Frequency Withstand Volt. KV		Approx.Net Weight Kg
										Min. Wet One Minute	Min. Puncture Voltage	
LXY-40C	U40C	1	175	140	190	11C	40	5	75	30	90	2.8
LXY-40	U40B	2	175	140	190	11A	40	5	75	30	90	2.5
LXY-70	U70BS	3	255	127	320	16A/16B	70	6	100	40	130	3.7
LXY-70	U70B	3	255	140	320	16A/16B	70	6	100	40	130	3.7
LXY-70	U70BL	3	255	146	320	16A/16B	70	6	100	40	130	3.7
LXY-70C	U70C	1	255	146	320	16C	70	6	100	40	130	3.9
LXY-80	U80BS	3	255	127	320	16A/16B	80	6	100	40	130	3.8
LXY-80	U80B	3	255	140	320	16A/16B	80	6	100	40	130	3.8
LXY-80	U80BL	3	255	146	320	16A/16B	80	6	100	40	130	3.8
LXY-100	U100BL	3	255	146	320	16A/16B	100	6	100	40	130	4.1
LXY-120	U120BS	3	255	146	320	16A/16B	120	6	100	40	130	4.2
LXY-120	U120BL	3	255	170	320	16A/16B	120	6	100	40	130	4.2

Toughened glass insulators of cap and pin type(normal type)

★鋼化玻璃懸式絶緣子（普通型）

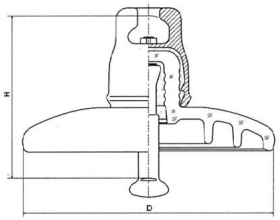


Fig.NO.1

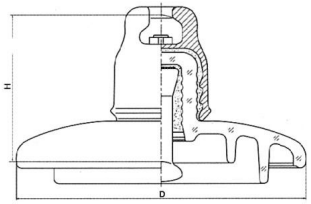


Fig.NO.2

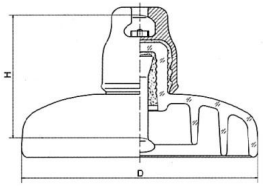


Fig.NO.3

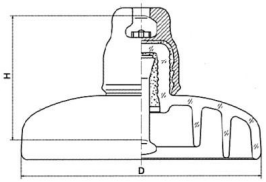


Fig.NO.4

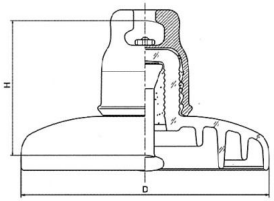


Fig.NO.5

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type	IEC Class	Fig. No	Nominal Diameter D mm	Unit Spacing H mm	Nominal Creepage Distance mm	Coupling Size	Rated. Mechanical Failing Load KN	Impact N.m strength	Dry. Lightning Impulse Withstand Volt. KV	Power Frequency Withstand Volt. KV		Approx. Net Weight Kg
										Min. Wet One Minute	Min. Puncture Voltage	
LXY-125	U125BS	1	255	146	320	20	125	6	100	40	130	4.5
LXY-125	U125BL	1	255	170	320	20	125	6	100	40	130	4.5
LXY-160	U160BS	2	280	146	380	20	160	10	110	45	130	6.2
LXY-160	U160BL	2	280	170	380	20	160	10	110	45	130	6.2
LXY-210	U210BS	3	280	155	380	20	160	10	110	45	130	6.7
LXY-210	U210BL	3	280	170	380	20	160	10	110	45	130	6.7
LXY-240	U240B	3	280	170	380	24	240	10	110	45	130	6.8
LXY-300	U300B	4	320	195	485	24	300	10	110	45	130	10.7
LXY-400	U400B	5	360	205	550	28	400	10	140	50	130	16
LXY-530	U530B	5	380	240	600	32	530	10	140	55	130	21.5

Toughened glass insulators of cap and pin type(spherical type)

★鋼化玻璃懸式絶緣子（球面型）

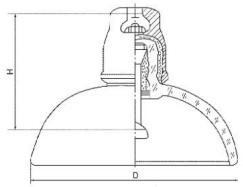


Fig NO.1

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type			LXQY-70	LXQY-80	LXQY-100	LXQY-120
Fig No.			1	1		1
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	μV	50	50	50	50
Weight/pc		kg	4.00	4.05	4.10	4.15
Applied standard			IEC AS BS			

Toughened glass insulators of cap and pin type(anti-pollution type)

★鋼化玻璃懸式絶緣子（防污型）

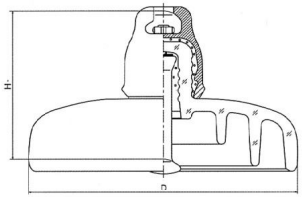


Fig NO.2

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type		LXHY1-70	LXHY5-70	LXHY1-80	LXHY5-80	LXHY-100	LXHY-120
Class		U70BP	U70BLP	U80BP	U80BLP	U100BLP	U120BP
Fig No.		2	2	2	2	2	2
Unit spacing (H)	mm	146	146	146	146	146	146/170
Nominal diameter (D)	mm	255	280	255	280	280	280
Nominal creepag e distance	mm	400	450	400	450	450	450
Rated mechanical failing load	kN	70	70	80	80	100	120

Type		LXHY-160	LXHY-160	LXHY-210	LXHY-240	LXHY-300	LXHY3-320
Class		U160BP	U160BLP	U210BLP	U240BLP	U300B	U300BLP
Fig No.		2	2	2	2	2	2
Unit spacing (H)	mm	146/155/170	170/195	170/195	170/195	170/195	170/195
Nominal diameter (D)	mm	280	320	320	320	340	380
Nominal creepage distance	mm	450	540	550	550	550	635
Rated mechanical failing load	kN	160	160	210	240	300	300

Toughened glass insulators of cap and pin type(open profile type)

★鋼化玻璃懸式絶緣子（平板型）

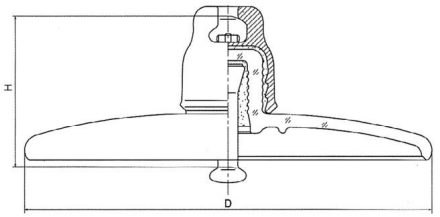


Fig NO.1

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type		LXAY-120	LXAY-160	LXAY-210	LXAY-240
Fig No.		1	1	1	1
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

Toughened glass insulators of cap and pin type(D.C type)

★鋼化玻璃懸式絶緣子（直流型）

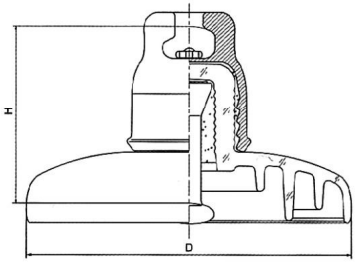


Fig NO.2

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Type		LXZY-160	LXZY-210	LXZY-210	LXZY-240
Fig No.		2	2	2	2
Unit spacing (H)	mm	170	170	195	205
Nominal diameter (D)	mm	320	320	400	360
Nominal creepage distance	mm	550	550	635	550
Rated mechanical failing load	kN	160	210	300	400

Insulators



801 (Ø5mm Screw) | 802 (Ø7mm orØ8mm) | 803 (Ø7mm or Ø8mm) | 804 (Ø8mm orØ10mm) | 805 (Ø 8mm) | 806 (Ø (8mm) | 807

Insulators



K18 D45mm H35mm | K17 D42mm H38mm | K16 D41mm H44mm | K19 D50mm H48mm | K20(ANSI 53-1) D57mm H54mm | K21 D35mm H62mm

Insulators



3001 H30mm Ø27mm | F101 H37mm Ø22mm | 3002 H39mm Ø30mm | 3003 H43mm Ø22mm | K30 D37mm H45mm | K31 D59mm H95mm | K32 D95mm H100mm

Insulators



K40 D53mm H70mm | K41 D76mm H55mm | K42 D73mm H45mm | K43 D76mm H67mm | K45 D61mm H68mm | K45 D55mm H41mm

Insulators



PRN21 (10A) | PRN21-1 (10A) | PRN22 (30A) | PRN23 (60A) | PRN24 (100A)

Insulators



1617(D76mm H65mm) 1618(D89mm H75mm) | BR1620 | BR1621 | BR1622

Insulators



N80 | N95 | E80 | E95 | E95-2

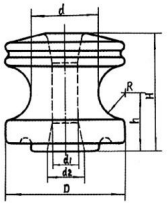
Stay insulators

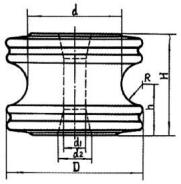


BS115 | BS130 | BS148 | BS159

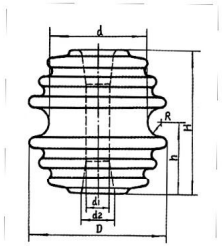
Spool insulators

★綫軸式絶緣子


Fig.NO.1


Fig.NO.2


ANSI 美標

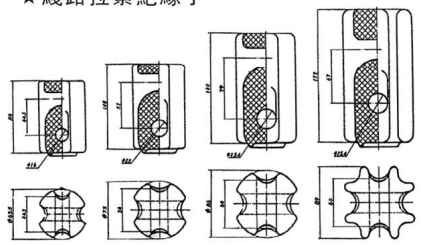

Fig.NO.3

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Fig.NO				2	1	2	2	3
Class ANSI				53-1	53-2	53-3	53-4	53-5
Main dimensions mm		H		54	76	81	76	105
		h		27	38	40.5	38	52.5
		D		57	79	76	105	102
		d		45	45	45	73	73
		d 1		18	18	18	18	18
		d 1		22	24	24	24	24
		R		11	18	11	16	11
Mechanical Failing Load/kg				907	1360	1814	2041	2272
Minimum Flashover Voltage	Power-Frequency	Dry/KV		20	25	25	25	25
		Wet/KV	Upright	8	12	12	12	18
			Level	10	15	15	15	25
Weight/kg				0.22	0.55	0.60	1.15	1.20

Porcelain stay insulators for lines

★綫路拉緊絶緣子


Fig.NO.1 Fig.NO.2 Fig.NO.3 Fig.NO.4

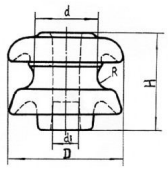

ANSI 美标

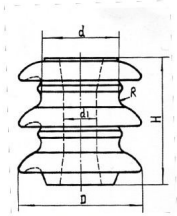
MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Class ANSI	Class	Fig .No	Leakage Distance (mm)	Mechanical Failing Load (kg)	Power-Frequency Flashover Voltage (KV)		Weight(kg)
					Dry	Wet	
54-1	904	1	41/1⅝″	4536/10000	25	12	0.5
54-2	905	2	47.6/1⅞″	5443/12000	30	15	0.8
54-3	906	3	57/2¼″	9072/20000	35	18	1.25
54-4	907	4	76/3″	9072/20000	40	23	1.8

Shackle insulators

★蝴蝶式絶緣子


Fig.NO.1


Fig.NO.2



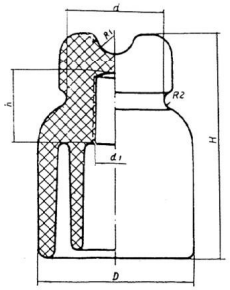
MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

Fig.NO			2	1	2
Class BS			ED-2(C)	ED-2(B)	ED-2(B)
Main dimensions mm	H		80	76	76
	D		80	89	89
	d		50	48	48
	d1		22	21	17.5
	R		6	10	10
Mechanical Failing Load/kg			1350	1300	1300
Minimum Flashover Voltage	Power-Frequency	Dry/KV	25	25	25
		Wet/KV	15	12	12
Weight/kg			0.50	0.50	0.50

Pin insulators for telephone lines

★通訊綫路針式絶緣子

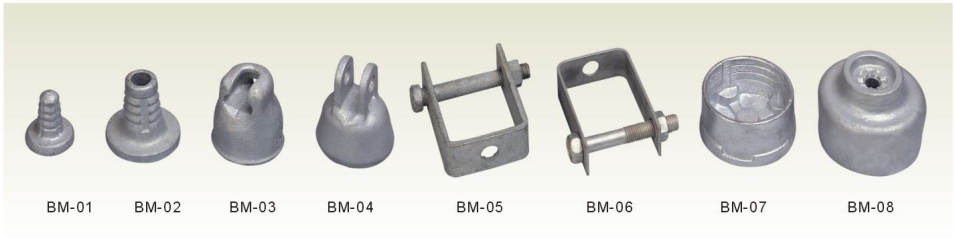



Fig.NO.3

MAIN DIMENSIONS AND STANDARD PARTICULARS 主要尺寸和性能

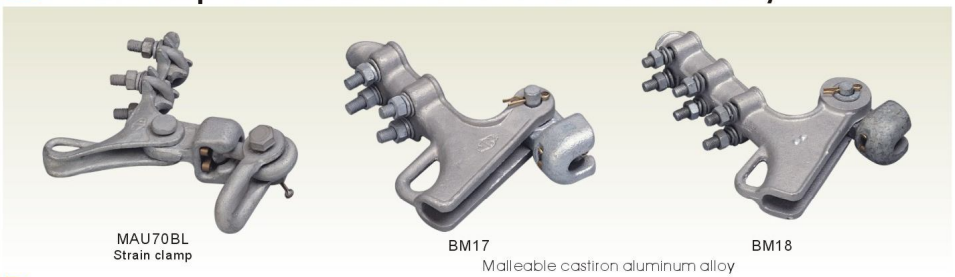
Type	Fig. No	Main Dimensions							Insulation Resistance	Leakage Distance (mm)	QTY/CTN	G.W./N.W.	MEAS(CM)
		H	h	D	d	d1	R1	R2					
RM-1	1	140	49.5	86	51	22.5	12	4	50000	298	18PCS	21/19	30×30×30
RM-2	2	100	32	70	44	18.5	8.5	3.5	40000	215	64PCS	40/38	64×32×24
RM-3	3	80	30	60	35	13	7	3	20000	150	80PCS	29/27	56×35×20

Insulators accessories



BM-01 BM-02 BM-03 BM-04 BM-05 BM-06 BM-07 BM-08

Strain clamp & Malleable castiron aluminum alloy



MAU70BL
Strain clamp

BM17

BM18

Malleable castiron aluminum alloy

Bolts & nuts stay rod



Oem metal accessories



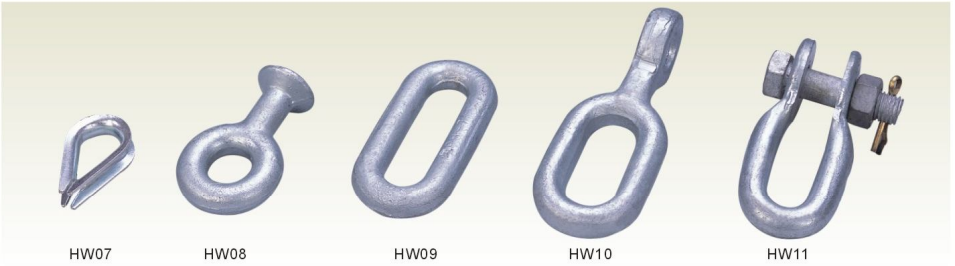
BM09 BM10 BM11 BM12 BM1-16

Cable fitting 電纜金具



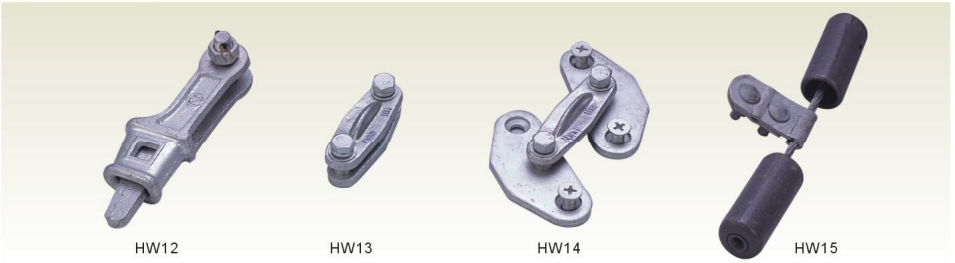
HW01 HW02 HW03 HW04 HW05 HW06

Link fitting 聯結金具



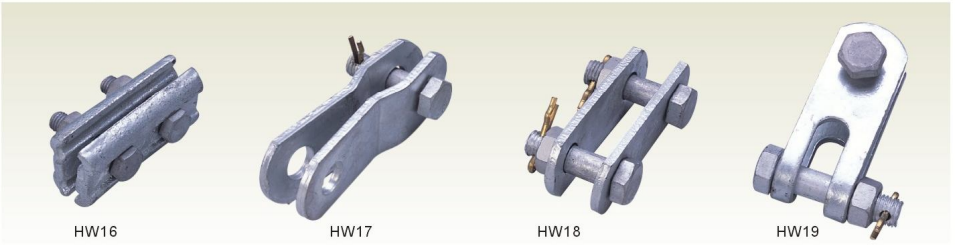
HW07 HW08 HW09 HW10 HW11

Link fitting 聯結金具



HW12 HW13 HW14 HW15

Fixing fitting 固定金具



HW16 HW17 HW18 HW19

Installation fitting 設備金具



HW20 HW21 HW22 HW23 HW24 HW25

Connection fitting 接續金具



HW26 HW27 HW28 HW29 HW30 HW31 HW32

Connection fitting 接續金具



HW33 HW34 HW35 HW36 HW37 HW38

Connection fitting 接續金具



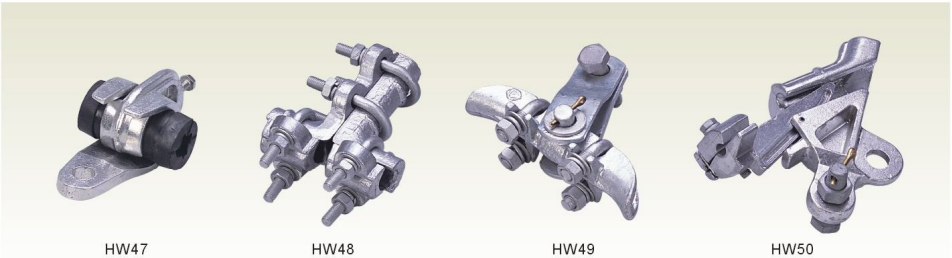
HW39 HW40 HW41 HW42

Insulating fitting 絕緣金具



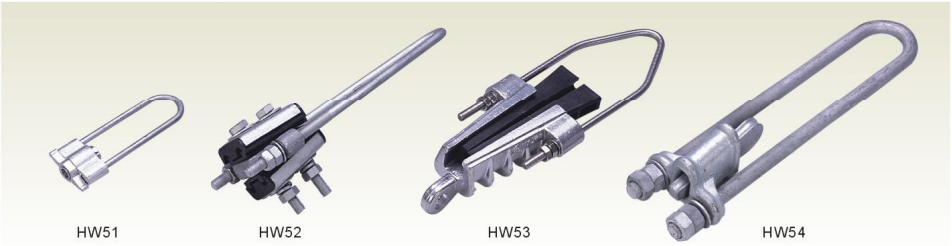
HW43 HW44 HW45 HW46

Link fitting 聯結金具



HW47 HW48 HW49 HW50

Insulating fitting 絕緣金具



HW51 HW52 HW53 HW54

Fixing fitting 固定金具



HW55 HW56 HW57

High-voltage composite insulators

★高壓復合絶緣子

Product Introduction 產品介紹

With the continuing development of the electric industry, the composite insulators which adopted synthesis insulation materials are popularized and applied rapidly by its excellent machanical and electrical function, it becomes the new generation products replace the traditional porcelain insulator. Composite insulator shed made of silicon rubber for grantee the outside insulation; high strength expoxy poles provide inside insulation for products and sustain machine load. These products use new technology, which press connect of mold, mandril and metal terminal which. improved the products' reliability, the charaters as follows:

Superior electrial function and strength soiling, excellent hydrophobicily of the silicon rubber shed greatly improve the level of the soiling resistance, the wet withstand voltage and pollution resistance voltage are 2-2.5 times than equal porcelain insulator so it reduce the soiling resistance accident's happening, guarantee the economic and realiable of the electrical net's operating.

The expoxy poles sustained inside of the composite insulators have great tensile strength, which are 2-3 times than common steel. and 8-1 otimes than high strength porcelain, so as to improved the mechnical capability of the products tensile.

The connection between terminal and mandril adopted advanced technology of press and connecter type, for guarantee the reliable mechnical strength of the products.

Silicon rubber material with superior properties of high and low tempreture resistance, climate resistance, heat and aging resistance, electric erode resistance. Composed solid structure with expoxy poles, ensured inside insulation against moist.And also needn't clean and safegard during the raining.

Composite Insulators have small volumn, light weight(for1/4-1/8 as same voltage level procelain insulators), use standardize structure of " ball eye" connection, convenient to shipment and installation.

Composite Insulators have excellent impulse resistence shock resistence, and explode resistance

隨着電力工業的不斷發展，采川有機合成絶緣材料的復合絶緣了以其優良的機電性能得以迅速推廣應用，成爲傳統瓷絶緣子的新一代替代産品。絶緣子由硅橡膠材料制成的傘套用以保證産品外絶緣，高强度環氧引棒提供産品内絶緣和承受機械負荷。本産晶采用硅橡膠傘套整體模壓、芯棒與金屬端頭壓接式結構的新工藝，提高了産品可靠性，具有以下特點：

電氣性能優越，抗污閃能力强。硅橡膠傘套優良的憎水性，大大提高了産品的耐污閃水平，其濕耐受電壓和污閃電壓爲同等瓷絶緣了的2—2.5倍。減少了污閃事故發生，提高了電網運行的經濟性、可靠性。

復合絶緣子内部承載的環氧引拔棒有極高的抗張强度，爲普通鋼材的2—3倍，爲高强度瓷的8-10倍，大大提高了産品機械性能。

端頭與芯棒連接采川先進的壓接式工藝，保證了産品可靠的機械强度。

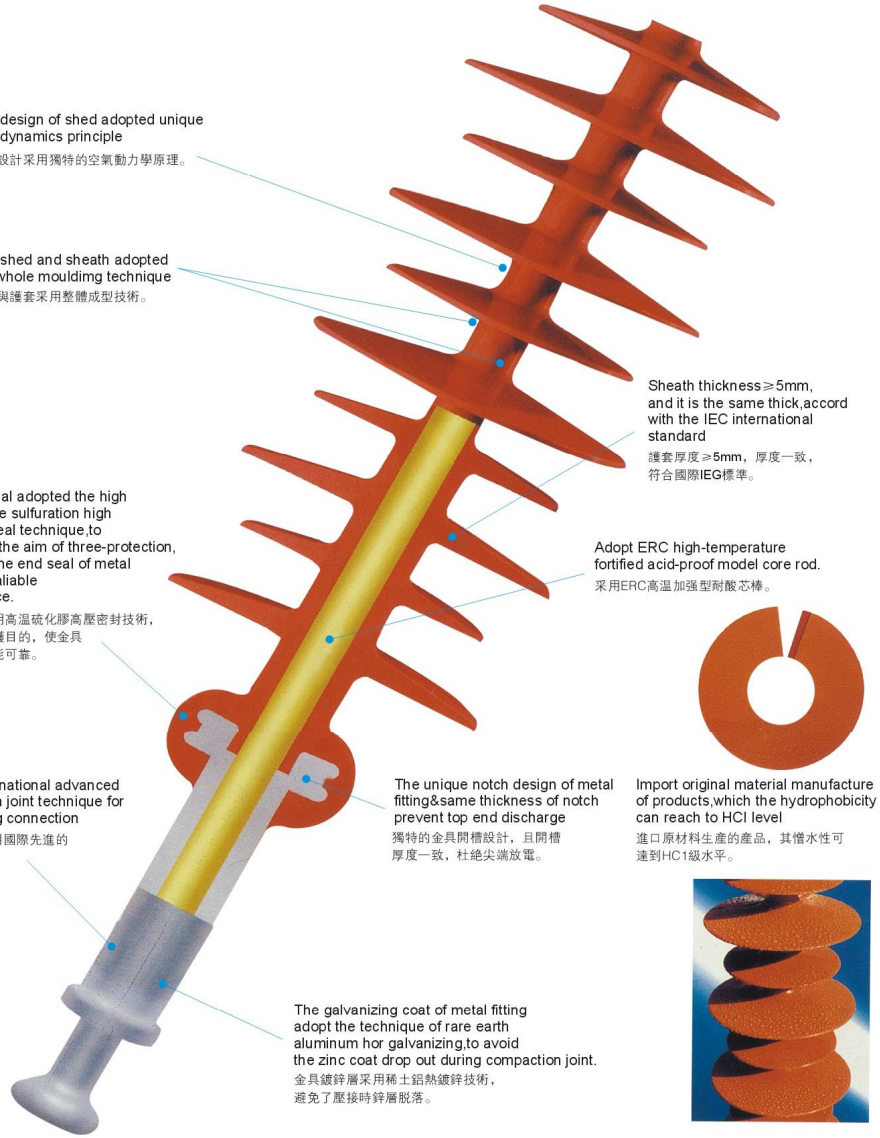
硅橡膠材料具有優良的耐高低温特性、耐候性、耐熱老化性和耐電蝕能力，與環氧引拔棒構成實心結構，保證了内絶緣不受潮。且運行中不需清掃，免維護。

體積小、重量輕(爲同電壓等級瓷絶緣子的1/4—1/8)，采用標準球窩聯結結構，便于運輸安裝。

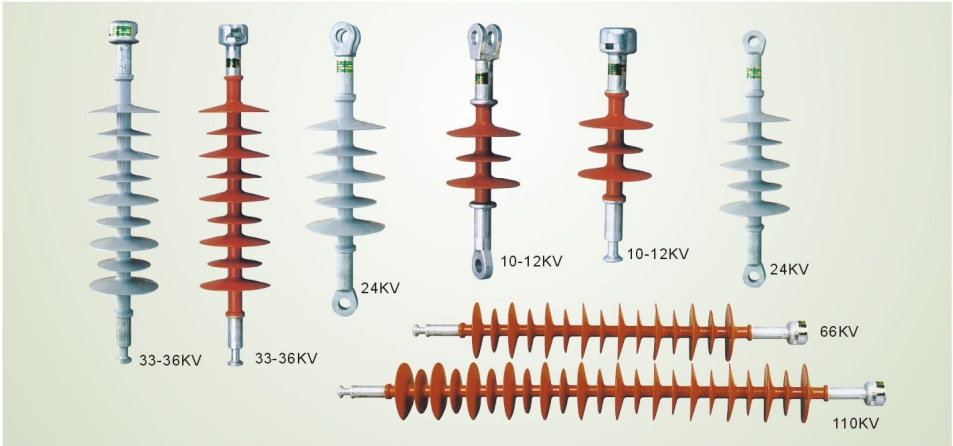
具有良好的抗衝擊性、抗震性和防爆性能。

F XB W 4-35/70 型號及含義

- Rated mechanism stretch load 額定機械負倚(KN)
- Rated voltage 額定電壓(KV)
- Design No.設計序號(1/2一爬電比距20mm/KV；3/4一爬電比距25mm/Kv)
- 傘形結構(W大小傘，等徑傘不表示)
- XB Rod suspension type：Q：Electric locomative，S：cross. arm. P：Pin. ZS：Pos XB棒形懸式：Q電氣化鐵路用；S横擔；P針式；ZS支柱
- Composite Insulator 復合絶緣子



Rod suspeusion composite insulators 棒型懸式復合絶緣子



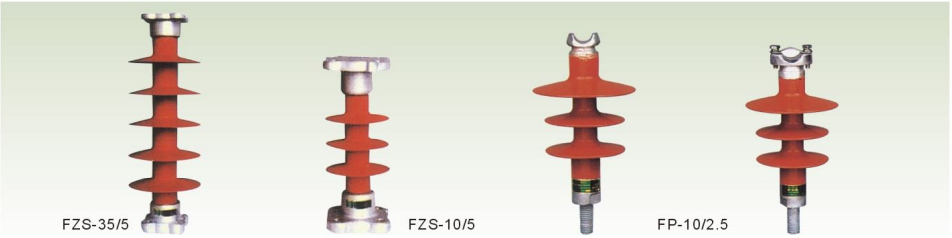
Type	Rated voltage (KV)	Rated Mechanism Stretch Withstand (KN)	Struction Height (mm)	Min Arc Distance (mm)	Creepage Distance (mm)	Lightning Impulse Withstand BIL (KV)	Power Frequency Withstand(wet) (KV)
FXBW4-10/70	10	70	350	180	400	95	45
FXBW4-12/70	12	70	350	180	400	95	45
FXBW4-24/70	24	70	550	370	850	185	95
FXBW4-24/100	24	100	570	370	850	185	95
FXBW4-35/70	35	70	650	450	1000	230	105
FXBW4-35/100	35	100	670	450	1000	230	105
FXBW4-66/70	66	70	920	700	1900	410	185
FXBW4-66/100	66	100	940	700	1900	410	185
FXBW4-110/70	110	70	1200	1000	3150	550	230
FXBW4-110/100	110	100	1200	1000	3150	550	230
FXBW4-220/100	220	100	2240	1900	6300	1000	395

Cross-arm post composite insulators 橫擔復合絶緣子



Type	Rated Voltage (KV)	Rated Mechanism Stretch Withstand (KN)	Struction Height (mm)	Min Arc Distance (mm)	Creepage Distance (mm)	Lightning Impulse Withstand BIL(KV)	Power Frequency Withstand(wet) (KG)
FS4-10/2.5	10	2.5	250	180	380	95	45
FS4-35/5	35	5	610	500	1200	230	105
FS4S-110/10	110	10	1260	110	2760	550	230

Pin post composite insulators 針式、支柱復合絶緣子



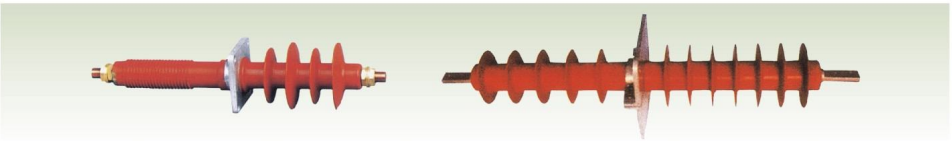
Type	Rated Voltage (KV)	Rated Mechanism Stretch Withstand (KN)	Struction Height (mm)	Min Arc Distance (mm)	Creepage Distance (mm)	Lightning Impulse Withstand BIL(KV)	Power Frequency Withstand(wet) (KG)
FP-10/2.5	10	2.5	250	180	380	75	45
FZS-10/5	10	5	215	180	380	75	45
FZS-35/5	35	5	400	320	750	185	80
FZS-110/10	110	10	1200	1080	2750	500	230

Compsite insulators for locomotive 電氣化鐵路用復合絶緣子



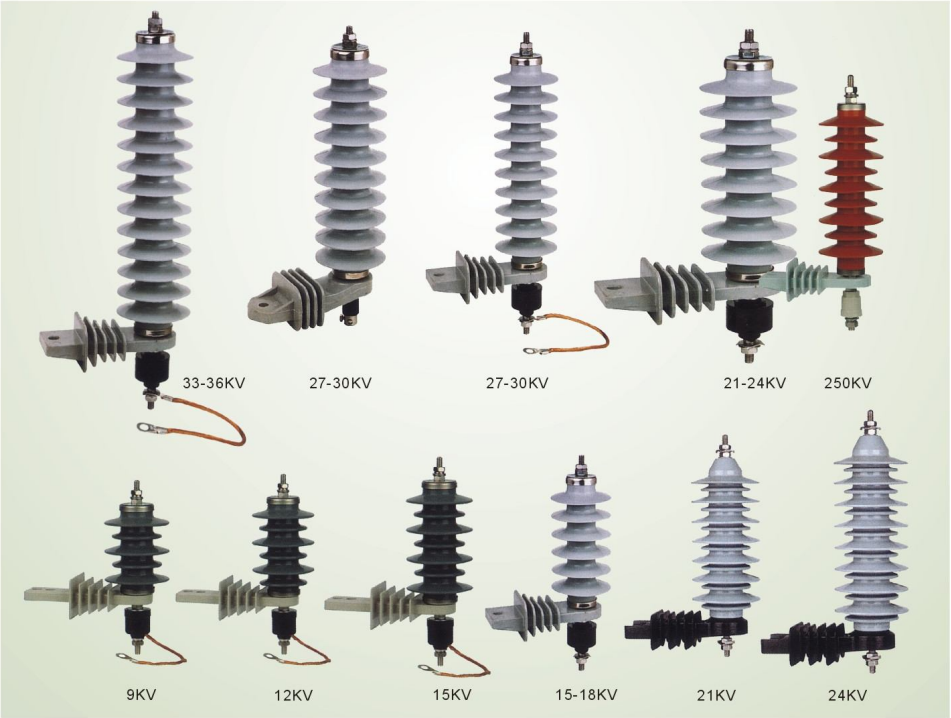
Type	Rated Voltage (KV)	Rated Mechanism Stretch Withstand (KN)	Struction Height (mm)	Creepage Distance (mm)	Lightning Impulse Withstand BIL(KV)	Power Frequency Withstand(wet) (KG)
FQX1-25	25	70	650	1400	270	130
FQX2-25	25	70	840	1400	270	130
FQX3-25	25	70	930	1400	270	130
FQX4-25	25	70	645	1400	270	130

Compsite insulators wall bushing 復合絶緣子穿牆套管



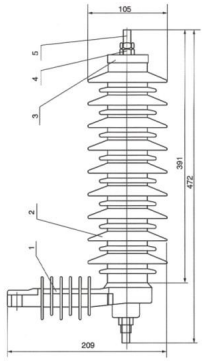
Type	Rated Voltage (KV)	Rated Current (A)	Cantilever Failing Load (N)	Allow cantilever Failing load (N)	Lihtning Impulse Withstand BIL(KV)	Power Frequency Withstand (KV)
FCGW-10/□	10	200、400、630	1250	625	75	45
FCGW-35/□	35	630	1250	625	200	105
FCGW-66/□	66	630	1250	625	325	185
FCGW-110/□	110	620、1250	1250	625	550	230

Polymer type lightning arrester (HY10W,HY5W type) 復合絶緣避雷器

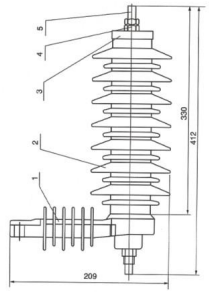


Zinc oxide arrester(YW、HYW type) 氧化鋅避雷器

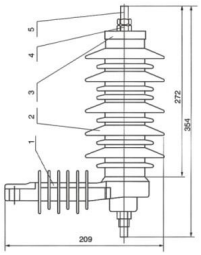




HY10W-33KV



HY10W-24KV



HY10W-15KV

5 KA Gapless arrester electrical character 无间隙避雷器							
Type	Rated Voltage (KV)	MCOV (KV)	Rwsidual valtage (KV)			2000 μ s square wave impulse current withstand	4/10 μ s high current impulse (KV)
			Steep current impulse	Switching current impulse	Lightning current impulse		
HY5W-3	3	2.55	9.5	7.7	9	100	65
HY5W-6	6	5.1	19.0	15.4	18	100	65
HY5W-9	9	7.65	28.5	23.1	27	100	65
HY5W-12	12	10.2	38.0	30.8	36	100	65
HY5W-15	15	12.7	47.5	38.5	45	100	65
HY5W-18	18	15.3	57.0	46.2	54	100	65
HY5W-21	21	17.0	66.5	53.9	63	100	65
HY5W-24	24	19.2	76.0	61.6	72	100	65
HY5W-27	27	21.9	85.5	69.3	81	100	65
HY5W-30	30	24.4	95.0	76.5	90	100	65
HY5W-33	33	26.8	104.5	84.7	99	100	65
HY5W-36	36	29	114.0	92.4	108	100	65
HY5W-42	42	34.1	132.3	100.1	126	100	65
10 KA Gapless arrester electrical character 无间隙避雷器						Line discharge class	
HY10W-3	3	2.55	9.5	7.7	9	1	100
HY10W-6	6	5.1	19.0	15.4	18	1	100
HY10W-9	9	7.65	28.5	23.1	27	1	100
HY10W-12	12	10.2	38.0	30.8	36	1	100
HY10W-15	15	12.7	47.5	38.5	45	1	100
HY10W-18	18	15.3	57.0	46.2	54	1	100
HY10W-21	21	17.0	66.5	53.9	63	1	100
HY10W-24	24	19.2	76.0	61.6	72	1	100
HY10W-27	27	21.9	85.5	69.3	81	1	100
HY10W-30	30	24.4	95.5	76.5	90	1	100
HY10W-33	33	26.8	104.5	84.7	99	1	100
HY10W-36	36	29	114.0	92.4	108	1	100
HY10W-42	42	34.1	133.0	100.1	126	1	100
HY10W-48	48	39	152.0	126.0	150	1	100
HY10W-54	54	43	171.0	139.0	162	1	100
HY10W-60	60	48	208.0	160.0	180	1	100
HY10W-66	66	52.8	230.0	172.0	198	1	100

Porcelain Lightning Arrester (Y5W, Y5C, Y10W, Y10C type)

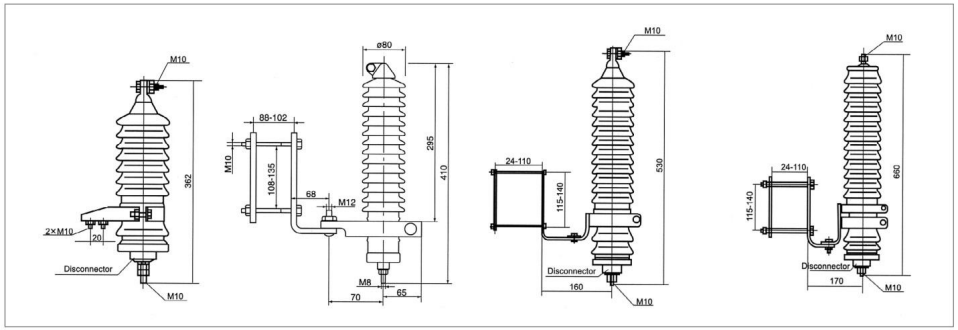
★瓷套避雷器



BLA-9(36KV) BLA-10(33KV) BLA-11(33KV) BLA-12(18-21KV) BLA-13(24KV)



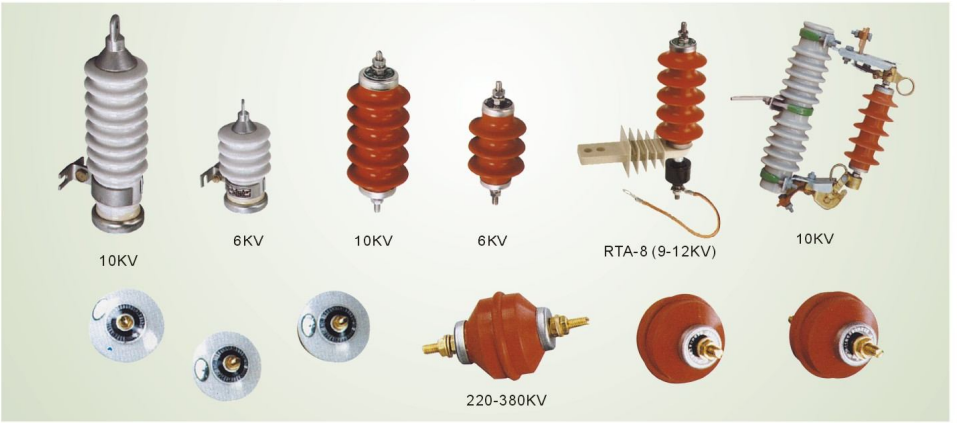
BLA-14(24KV) BLA-14(18KV) BLA-14(24KV) BLA-14(9-15KV) BLA-16 BLA-16(9-10KV)



5 KA Gapped arrester electrical character 串联间隙避雷器

Type	Rated Voltage (KV)	MCOV (KV)	Sparkover voltage (KV)		Lightning impulse residual voltage (KV)	2000 μ s square wave impulse current withstand	4/10 μ s high current impulse (KV)
			Power frequency	Lightning Impulse			
Y5C-3	3	2.55	5.0	7.8	9	100	65
Y5C-6	6	5.1	10.0	15.5	18	100	65
Y5C-9	9	7.65	16.5	24.5	27	100	65
Y5C-12	12	10.2	21.0	32.6	36	100	65
Y5C-15	15	12.7	25.0	38.8	45	100	65
Y5C-18	18	15.3	31.0	48.1	54	100	65
Y5C-21	21	17.0	34.0	52.7	63	100	65
Y5C-24	24	19.2	39.0	60.5	75	100	65
Y5C-27	27	21.9	45.0	69.8	81	100	65
Y5C-30	30	24.4	50.0	77.5	90	100	65
Y5C-33	33	26.8	55.0	85.3	99	100	65
Y5C-36	36	29	60.0	93.0	108	100	65
Y5C-42	42	34.1	70.0	108.5	126	100	65
10 KA Gapped arrester electrical character(Line discharg class 1) 串联间隙避雷器						Line discharge class	
Y10C-3	3	2.55	5.0	7.8	9	1	100
Y10C-6	6	5.1	10.0	15.5	18	1	100
Y10C-9	9	7.65	16.5	24.5	27	1	100
Y10C-12	12	10.2	21.0	32.6	36	1	100
Y10C-15	15	12.7	25.0	38.8	45	1	100
Y10C-18	18	15.3	31.0	48.1	54	1	100
Y10C-21	21	17.0	34.0	52.7	63	1	100
Y10C-24	24	19.2	39.0	60.5	75	1	100
Y10C-27	27	21.9	45.0	69.8	81	1	100
Y10C-30	30	24.4	50.0	77.5	90	1	100
Y10C-33	33	26.8	55.0	85.3	99	1	100
Y10C-36	36	29	60.0	93.0	108	1	100
Y10C-42	42	34.1	70.0	108.5	126	1	100

Zinc oxide arrester(YW、HYW type) 氧化鋅避雷器



Technology Parameter

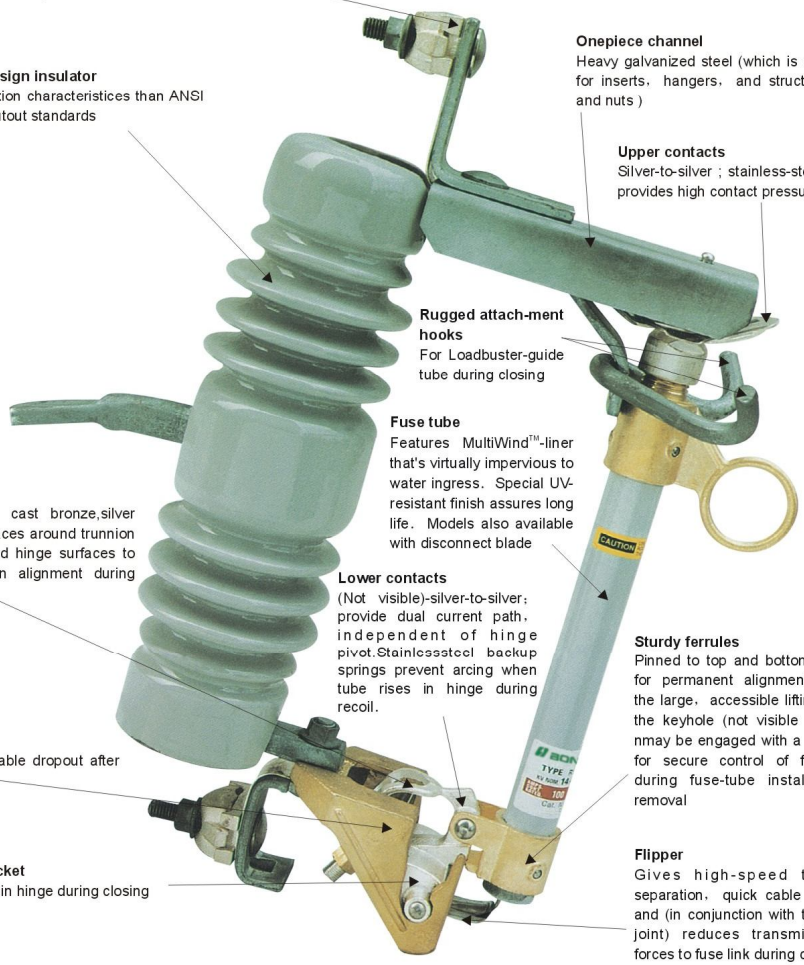
★产品技術參数

Type	Lightning arrester rated voltage (KV)	System nominal voltage (KV)	Continuous operation voltage (KV)	DC 1mA Voltage (KV)	Lightning Impulse residual voltage (KV)	Steep wave impluse residual voltage (KV)	2ms square wave impulse current withstand (A)	Servise scope
Y1.5W-028/1.3	0.28	0.22	0.24	0.6	1.3	-	75	Low-voltage
Y1.5W-0.5/2.6	0.5	0.38	0.42	1.2	2.6	-	75	
Y5WS-3.8/1.7	3.8	3	2.0	7.5	17.0	19.6	100	Power of Distrbution
Y5WS-7.6/30	7.6	6	4.0	15	30	34.5	100	
Y5WS-10/30	10	6	8.0	15	30	34.5	100	
Y5WS-12.4/50	12.7	10	6.6	25	50	57.5	100	
Y5WS-17/50	17	10	13.6	25	50	57.5	100	
Y5WZ-3.8/13.5	3.8	3	2.0	7.2	13.5	14.5	200	Transformer substation
Y5WZ-7.6/27	7.6	6	4.0	14.4	27	31.0	200	
Y5WZ-10/27	10	6	8.0	14.4	27	31.0	200	
Y5WZ-12.7/45	12.7	10	6.6	24	45	51.8	200	
Y5WZ-17/45	17	10	13.6	24	45	51.8	200	
Y5WZ-42/134	42	35	23.4	73	134	154	400	
Y5WZ-51/134	51	35	40.8	73	134	154	400	
Y5WZ-100/260	100	110	78	145	260	291	400,600	
Y10 WE-100/260	100	110	78	145	260	291	600,800	
Y2.5WD-3.8/9.5	3.8	3	2.0	5.7	9.5	10.7	400	Circumvolve motor
Y2.5WD-7.6/1.9	7.6	6	4.0	11.2	19	21.9	400	
Y2.5WD-12.7/31	12.7	10	6.6	18.6	31	35.7	400	
Y5WR-3.8/13.5	3.8	3	2.0	7.2	13.5	14.8	400	Capacitor
Y5WR-7.6/27	7.6	6	4.0	14.4	27	30.8	400	
Y5WR-10/27	10	6	8.0	14.4	27	31.0	400	
Y5WR-12.7/45	12.7	10	6.6	24	45	51	400	
Y5WR-17/45	17	10	13.6	24	45	51	400	
Y5WR-51/134	51	35	40.5	73	134	154	400	
Y1.5W-2.4/6	2.4	3.2*	1.9	3.4	6	-	5	Neuter point of motor
Y1.5W-4.8/12	4.8	6.3*	3.8	6.8	12	-	10	
Y1.5W-8/19	8	10.5	6.4	11.4	19	-	15.9	
Y1.5W-60/144	60	110	48	85	144	-	135	Neuter point Of fransformer
Y1.5W-72/186	72	110	58	103	168	-	174	

Note：Please add an "H"before th spec.in the above table of composite organic housing zinc oxide arrester.
* is the rated voltage of motor
注：复合绝缘有机外套氧化锌避雷器上表型号前加“H”其技术参数指标如上表。*为电机额定电压。

Type	System nominal voltage (KV)	Lightning arrester rated voltage (KV)	Power frequency discharge voltage (r.m.s) (KV)	1.2/50μs impulse discharge voltage (peak value) (KV)	Front-of-wave impulse Discharge voltage (peak value) (KV)	Residual voltage on nominal current (peak value) (KV)	Impulse curremt withstand	
							2000μs square wave (A)	High current impulse (KV)
Y5CS-3.8/15	3	3.8	9	21	26.3	15	75	40
Y5CS-7.6/27	6	7.6	16	35	43.8	27		
Y5CS-12.7/45	10	12.7	26	50	62.5	45		
Y5CZ-3.8/12	3	3.8	9	20	25	12	75	65
Y5CZ-7.6/24	6	7.6	16	30	37.5	24		
Y5CZ-12.7/41	10	12.7	26	45	56.5	41		

Cut-out fuse 跌落式熔斷器



Catalog Number 89021R10-D. Extra-Heavy-Duty Overhead-Pole-Top style, rated 14.4 kv nominal, 15 kv maximum, 110 kv BIL,100 amperes continuous,10,000 amperes interrupting RMS asymmetrical (12,000 amperes single shot),81 / 2inches (216mm) minimum leakage distance to ground.

Catalog Number Suffix "-D" provides for the inclusion of parallel-groove connectors each accommodating No.6 solid through No.2 stranded copper or aluminum in one groove; No.2 solid through 250 kc mil stranded copper or aluminum, or 4 / 0 ACSR in the other groove.

Cut-out fuse 跌落式熔斷器

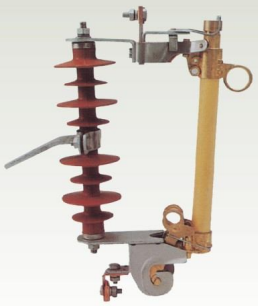

Fig.NO.1


Fig.NO.2


Fig.NO.3


Fig.NO.4


Fig.NO.5


Fig.NO.6

Type 型號	Fig. No. 圖號	Rated voltage (KV) 額定電壓	Rated current (A) 額定電流	Breaking current (A) 開斷電流	Impulse voltage (BIL) 衝擊電壓	Power frequency withstand voltage (KV) 工頻耐壓	Leakage distance (MM) 爬距	Weight (KG) 重量	Dimensions (CM) 外形尺寸
FSC-1	1	15	100	10000	110	40	250	7.3	38.5 x 34.5 x 10.5
FSC-1	1	15	200	12000	110	40	250	7.3	38.5 x 34.5 x 10.5
FSC-2	2	15	100	10000	110	40	250	7.5	40 x 34.5 x 11
FSC-2	2	15	200	12000	110	40	250	7.5	40 x 34.5 x 11
FSC-3	3	15	100	10000	110	40	250	7.3	38.5 x 34.5 x 10.5
FSC-3	3	15	200	12000	110	40	250	7.3	38.5 x 34.5 x 10.5
FSC-4	4	15	100	8000	110	40	340	7.5	42 x 33 x 11.5
FSC-4	4	15	200	10000	110	40	340	7.5	42 x 33 x 11.5
FSC-5	5	15	100	10000	110	40	350	3.5	42 x 35 x 11
FSC-5	5	15	200	12000	110	40	350	3.5	42 x 35 x 11
FSC-6	6	15	100	10000	110	40	350	3.8	42 x 35 x 12
FSC-6	6	15	200	12000	110	40	350	3.8	42 x 35 x 12

Cut-out fuse 跌落式熔斷器


Fig.NO.7


Fig.NO.8


Fig.NO.9


Fig.NO.10


Fig.NO.11


Fig.NO.12

Type 型號	Fig. No. 圖號	Rated voltage (KV) 額定電壓	Rated current (A) 額定電流	Breaking current (A) 開斷電流	Impulse voltage (BIL) 衝擊電壓	Power frequency withstand voltage (KV) 工頻耐壓	Leakage distance (MM) 爬距	Weight (KG) 重量	Dimensions (CM) 外形尺寸
FSC-7	7	11	100	6000	110	42	340	7.5	49 x 27 x 11.5
FSC-7	7	11	200	8000	110	42	340	7.5	49 x 27 x 11.5
FSC-8	8	11	100	6000	110	45	530	12	51.5 x 51.5 x 13
FSC-8	8	11	200	8000	110	45	530	12	51.5 x 51.5 x 13
FSC-9	9	15	100	10000	110	40	300	7.5	39 x 34.5 x 10.5
FSC-9	9	15	200	12000	110	40	300	7.5	39 x 34.5 x 10.5
FSC-10	10	15	100	10000	100	45	380	7.3	45.5 x 35.5 x 10.5
FSC-10	10	15	200	12000	110	45	380	7.3	45.5 x 35.5 x 10.5
FSC-11	11	15	100	10000	100	40	260	8.5	48.5 x 44 x 13.5
FSC-11	11	15	200	12000	110	40	260	8.5	48.5 x 44 x 13.5
FSC-12	12	15	100	10000	125	45	350	8.5	48 x 34.5 x 10.5
FSC-12	12	15	200	12000	125	45	350	8.5	48 x 34.5 x 10.5

Cut-out fuse 跌落式熔斷器


Fig.NO.13


Fig.NO.14


Fig.NO.15


Fig.NO.16


Fig.NO.17


Fig.NO.18

Type 型號	Fig. No. 圖號	Rated voltage (KV) 額定電壓	Rated current (A) 額定電流	Breaking current (A) 開斷電流	Impulse voltage (BIL) 衝擊電壓	Power frequency withstand voltage (KV) 工頻耐壓	Leakage distance (MM) 爬距	Weight (KG) 重量	Dimensions (CM) 外形尺寸
FSC-13	13	15	100	10000	125	45	350	8.8	51.5 x 34 x 12
FSC-13	13	15	200	12000	125	45	350	8.8	51.5 x 34 x 12
FSC-14	14	15	100	10000	125	45	350	8.5	45 x 34.5 x 10
FSC-14	14	15	200	12000	125	45	350	8.5	45 x 34.5 x 10
FSC-15	15	15	100	10000	125	45	350	8.5	48 x 35 x 10.5
FSC-15	15	15	200	12000	125	45	350	8.5	48 x 35 x 10.5
FSC-16	16	15	100	10000	125	45	350	12	50 x 36 x 13
FSC-16	16	15	200	12000	125	45	350	12	50 x 36 x 13
FSC-17	17	15	100	10000	125	45	350	8.5	48.5 x 35 x 10.5
FSC-17	17	15	200	12000	125	45	350	8.5	48.5 x 35 x 10.5
FSC-18	18	24	100	8000	150	65	530	12	48 x 34.5 x 14
FSC-18	18	24	200	10000	150	65	530	12	48 x 34.5 x 14

Cut-out fuse 跌落式熔斷器


Fig.NO.19


Fig.NO.20


Fig.NO.21


Fig.NO.22

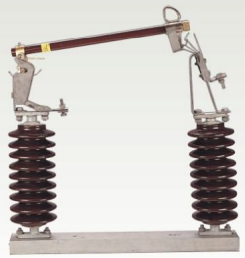

Fig.NO.23


Fig.NO.24

Type 型號	Fig. No. 圖號	Rated voltage (KV) 額定電壓	Rated current (A) 額定電流	Breaking current (A) 開斷電流	Impulse voltage (BIL) 衝擊電壓	Power frequency withstand voltage (KV) 工頻耐壓	Leakage distance (MM) 爬距	Weight (KG) 重量	Dimensions (CM) 外形尺寸
FSC-19	19	24	100	8000	150	65	540	12	49 x 35 x 14
FSC-19	19	24	200	10000	150	65	540	12	49 x 35 x 14
FSC-20	20	24	100	8000	150	65	470	13	56 x 38 x 10.5
FSC-20	20	24	200	10000	150	65	470	13	56 x 38 x 10.5
FSC-21	21	30	100	6000	170	70	700	15	56 x 38 x 14.5
FSC-21	21	30	200	8000	170	70	700	15	56 x 38 x 14.5
FSC-22	22	33	100	10000	170	70	720	15.5	57 x 38 x 14.5
FSC-22	22	33	200	12000	170	70	720	15.5	57 x 38 x 14.5
FSC-23	23	33	100	8000	170	70	820	27.5	68 x 17 x 15
FSC-23	23	33	200	10000	170	70	820	27.5	68 x 17 x 15
FSC-24	24	36	100	6000	170	70	870	16	90 x 40 x 13
FSC-24	24	36	200	8000	170	70	870	16	90 x 40 x 13

Cut-out fuse 跌落式熔斷器


Fig.NO.25


Fig.NO.26


Fig.NO.27


Fig.NO.28


Fig.NO.29


Fig.NO.30

Type 型號	Fig. No. 圖號	Rated voltage (KV) 額定電壓	Rated current (A) 額定電流	Breaking current (A) 開斷電流	Impulse voltage (BIL) 衝擊電壓	Power frequency withstand voltage (KV) 工頻耐壓	Leakage distance (MM) 爬距	Weight (KG) 重量	Dimensions (CM) 外形尺寸
RW-3	25	10	100	6300	100	42	230	6.2	48 x 27 x 12
RW-3	25	10	200	8000	110	42	230	6.2	48 x 27 x 12
RW-7	26	10	100	6300	110	42	230	6.2	48 x 27 x 12
RW-7	26	10	200	8000	110	42	230	6.2	48 x 27 x 12
RW-10-10F	27	12	100	6300	110	42	260	7.5	53 x 32 x 12
RW-10-10F	27	12	200	8000	110	42	260	7.5	53 x 32 x 12
RW10(W)	28	12	100	6300	100	42	360	8.5	56 x 13 x 40
RW10(W)	28	12	200	8000	110	42	360	8.5	56 x 13 x 40
RW11	29	12	100	6300	110	42	230	7.8	48 x 12 x 38
RW11	29	12	200	8000	110	42	230	7.8	48 x 12 x 38
HRW11	30	12	100	6300	100	42	350	3.8	42 x 35 x 11
HRW11	30	12	200	8000	110	42	350	3.8	42 x 35 x 11

Cut-out fuse 跌落式熔斷器


Fig.NO.31

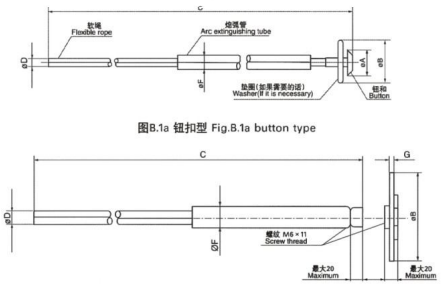

Fig.NO.32


Fig.NO.33

Type 型號	Fig.No. 圖號	Rated voltage (KV) 額定電壓	Rated current (A) 額定電流	Breaking current (A) 開斷電流	Impulse voltage (BIL) 衝擊電壓	Power frequency withstand voltage (KV) 工頻耐壓	Leakage distance (MM) 爬距	Weight (KG) 重量	Dimensions (CM) 外形尺寸
PRWG1	31	12	100	6300	110	42	380	8.8	61 x 13 x 42
PRWG1	31	12	200	8000	110	42	380	8.8	61 x 13 x 42
PRWG2	32	35	100	6300	170	70	870	16	90 x 40 x 13
PRWG2	32	35	200	8000	170	70	870	16	90 x 40 x 13
FSC	33	12	100	10000	110	42	250	7.3	38.5 x 34.5 x 11
FSC	33	12	200	12000	110	42	250	7.3	38.5 x 34.5 x 11

High-voltage fuse link series

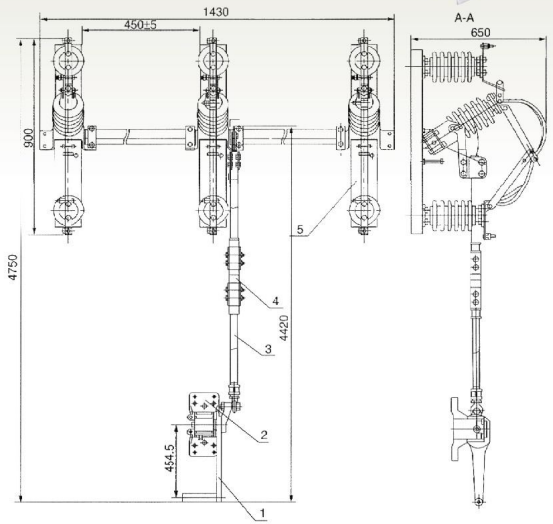




Rated current(A)	Dimension(mm)					Quantity/ carton
	A	B	C	D	F	
1(to)25	12.5±0.2	19.0±0.2	(Nirw)1	2.0	6.5	250
30(to)40	12.5±0.2	19.0±0.2	(Nirw)1	3.0	8.0	250
50(to)100	19.0±0.3	Not applicable	(Nirw)1	5.0	9.0	250
140(to)200	19.0±0.3	Not applicable	(Nirw)1	7.0	13.0	150

Gang insulator





RH-B 11KV-33KV

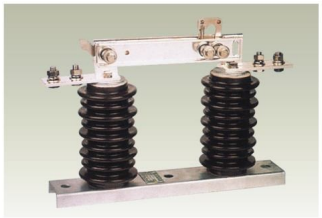
Type	Rated voltage (KV)	Rated current (A)	4S Heat steady e.c.A	Shock voltage (A)	Impulse withstand voltage		Power-frequency withstand voltage	
					To earth (KV)	Across the isolating Distance (KV)	To earth (KV)	Across the isolating distance (KV)
RH-B	11	400	12500	31500	75	95	38	42
RH-B	33	600	12500	31500	170	195	70	80

Hook stick tools



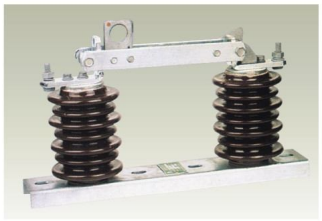
BHS-01 BHS-02 BHS-03 BHS-04 BHS-05

High voltage isolate switch



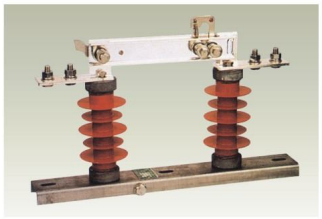
12KV-15KV

type	Rated voltage (KV)	Rated current (A)	4S Heat steady current (A)	Shock steady current (A)	Impulse withstand		Powerfrequency withstand voltage	
					To earth (KV)	Across the isolating Distance (KV)	To earth	Across the isolating distance
GW9-10W/400	12	400	12.500	31.500	75	85	38	42
GW9-10W/630	12	630	12.500	31.500	75	85	38	42



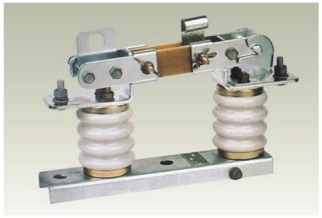
10KV-15KV

Type	Rated voltage (KV)	Rated current (A)	Limit passing current		10-second Head stabilization Current (KA)
			Peak value	r.m.s	
GW9-10W GW9-12W GW9-15W	10 12 25	200	5	9	5
	10 12 25	400	21	15	10
	10 12 25	600	35	25	14
	10 12 25	1000	50	35	20



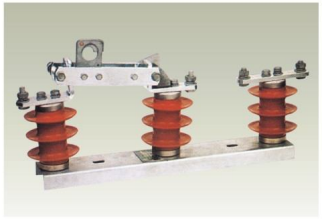
12KV-15KV

type	Rated voltage (KV)	Rated current (A)	4S Heat steady current (A)	Shock steady current (A)	Impulse withstand		Power-frequency withstand voltage	
					To earth (KV)	Across the isolating distance	To earth	Across the isolating distance
HGW9-15W	12-15	400	12.500	31.500	75	85	38	42
	12-15	630	12.500	31.500	75	85	38	42



500V

Type	Rated Voltage (V)	Rated current (A)	Breaking current (A)
JDW2-500	500	500	30-500
JDW2-500	500	500	30-500



0.5A-1600A

Fuse Rated current	120A	150A	220A	300A	360A	470A	600A
Fuse Specification	0.15	0.20	0.30	0.50	0.60	0.80	0.90
Transformer volume	80	100	150	180-200	250	315-320	400

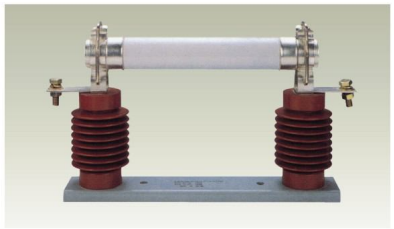
High voltage current limiting fuse



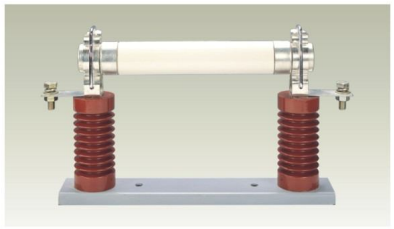
Type 型號	Rated Voltage 額定電壓 KV	Rated Current 額定電流 A	Breaking Current 間斷電流 A	Creepage Distance 爬距 mm
RW-11KV	12	40	40	440



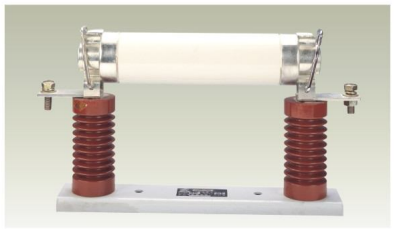
Type 型號	Rated Voltage 額定電壓 KV	Rated Current 額定電流 A	Breaking Rated Current 間斷額定電流 A	Creepage Distance 爬距 mm
RW-22KV	24	40	40	900



Type 型號	(D) Fuse Diameter (mm) ∅ 熔斷件直徑	Rated Voltage 額定電壓 KV	Fuse rated current 熔斷器額定電流 A	Fuse link rated Current 熔斷額定電流 A	Creepage Distance 爬距 mm
FS-101	∅52	12	40	3、6、10、16、20、25、31.5、40	440

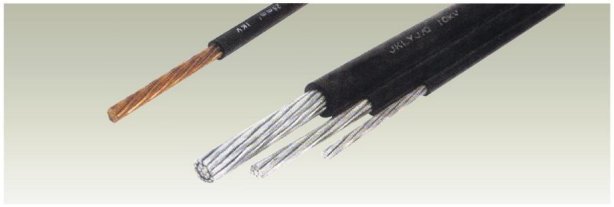


Type 型號	(D) Fuse Diameter (mm) ∅ 熔斷件直徑	Rated Voltage 額定電壓 KV	Fuse rated current 熔斷器額定電流 A	Fuse link rated Current 熔斷額定電流 A	Creepage Distance 爬距 mm
FS-102	∅52	12	40	3、6、10、16、20、25、31、50、40	270



Type 型號	(D) Fuse Diameter (mm) ∅ 熔斷件直徑	Rated Voltage 額定電壓 KV	Fuse rated current 熔斷器額定电流 A	Fuse link rated Current 熔斷額定電流 A	Creepage Distance 爬距 mm
FS-103	∅76	12	125	50、63、71、80、100、125	270

Aluminium conductors steelre-inforeed (ACSR)



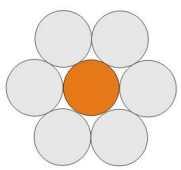


Fig.NO.1
7(6Al.+1St.)

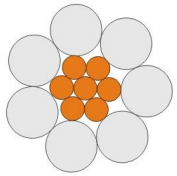


Fig.NO.2
14(7Al.+7St.)

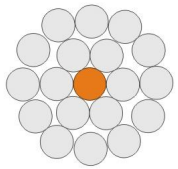


Fig.NO.3
19(18Al.+1St.)

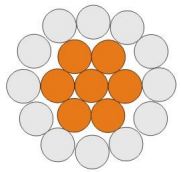


Fig.NO.4
19(12Al.+7St.)

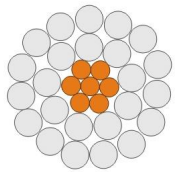


Fig.NO.5
31(24Al.+7St.)

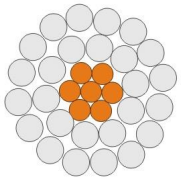


Fig.NO.6
33(26Al.+7St.)

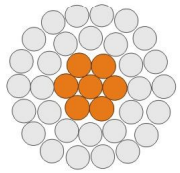


Fig.NO.7
37(30Al.+7St.)

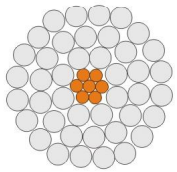


Fig.NO.8
49(42Al.+7St.)

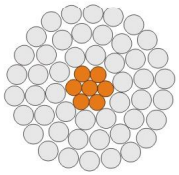


Fig.NO.9
52(45Al.+7St.)

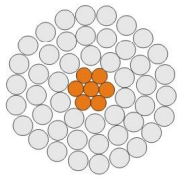


Fig.NO.10
55(48Al.+7St.)

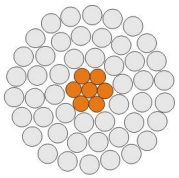


Fig.NO.11
61(54Al.+7St.)

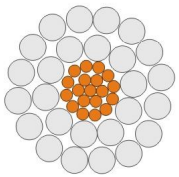


Fig.NO.12
49(30Al.+19St.)

Nominal cross section aluminium steel mm²	Construction (No.diameter) mm	
	aluminium	steel
10/2	6/1.50	1/1.50
16/3	6/1.85	1/1.85
25/4	6/2.32	1/2.32
35/6	6/2.72	1/2.72
50/8	6/3.20	1/3.20
50/30	12/2.32	7/2.32
70/10	6/3.80	1/3.80
70/40	12/2.72	7/2.72
95/15	26/2.15	7/1.67
95/20	7/4.16	7/1.85
95/55	12/3.20	7/3.20
120/7	18/2.90	1/2.90
120/20	26/2.32	7/1.85
120/25	7/4.72	7/2.10
120/70	12/3.60	7/3.60
150/8	18/3.20	1/3.20
150/20	24/2.78	7/1.85
150/25	26/2.70	7/2.10
150/35	30/2.5	7/2.5
185/10	18/3.60	1/3.60
185/25	24/3.15	7/2.10
185/30	26/2.98	7/2.32
185/45	30/2.80	7/2.80
210/10	18/3.80	1/3.80
210/25	24/3.33	7/2.22
210/35	26/3.22	7/2.50
210/50	30/2.98	7/2.98
240/30	24/3.60	7/2.40
240/40	26/3.42	7/2.66
240/55	30/3.20	7/3.20
300/15	42/3.00	7/1.67
300/20	45/2.93	7/1.95
300/25	48/2.85	7/7.22
300/40	24/3.99	7/2.66
300/50	26/3.83	7/2.98
300/70	30/3.60	7/3.60
400/20	42/3.51	7/1.95
400/25	45/3.33	7/2.22
400/35	48/3.22	7/2.50
400/50	54/307	7/3.07
400/65	26/4.42	7/3.44
400/95	30/4.16	19/2.50
500/35	45/3.75	7/2.50
500/45	48/3.60	7/2.80
500/65	54/3.44	7/3.44
630/45	45/4.20	7/2.80
630/55	48/4.12	7/3.20
630/80	54/3.87	19/2.32
800/55	45/4.80	7/3.20
800/70	48/4.63	7/3.60
800/100	54/433	19/2.60

Aluminium stranded conductors



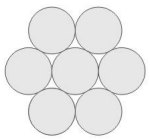


Fig.NO.1
7(1+6)Al.

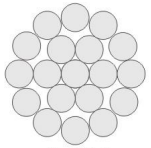


Fig.NO.2
19(1+6+12)Al.

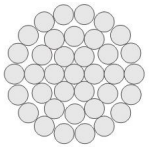


Fig.NO.3
37(1+6+12+18)Al.

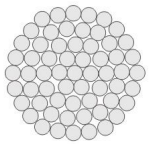
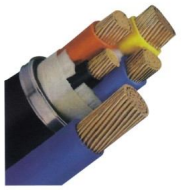
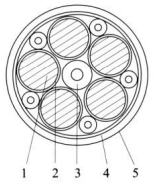


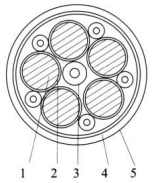
Fig.NO.4
61(1+6+12+18+24)Al.

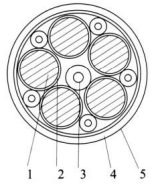
Nominal cross section mm²	16 25 35	50 70 95	120 150 185	210 240 300	400 500 630	800
Construction (No.diameter) mm	7/1.7 7/2.15 7/2.50	7/3.00 7/3.60 7/4.16	19/2.85 19/3.15 19/3.50	19/3.75 19/4.00 37/3.20	37/3.70 37/4.16 61/3.63	61/4.10

PVC insulated PVC sheathed power cable VV VLV type(1、2、3、4、5 core)





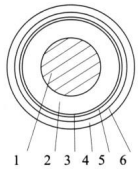


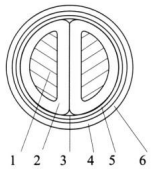


1、Cu Al conductor　2、PVC insulation　3、Filler　4、Binder　5、PVC sheath

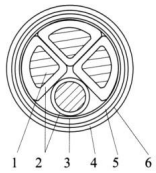
Nominal cross section mm²	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	500

PVC insulated steel armoured and PVC sheathed power cable VV22 VLV22 (1、2、3、4、5 core)



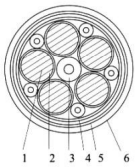


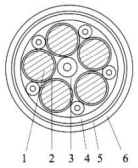


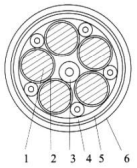




1、Cu Al conductor
2、PVC insulation
3、Binder
4、PVC sheath
5、Liner
6、Steel







1、Cu Al conductor
2、PVC insulation
3、Filler
4、Liner
5、Steel
6、PVC sheath

Nominal cross section mm²	1.5	2.5	4	6	10	16	25	35	50	70	95	120	150	185	240	300	400	500

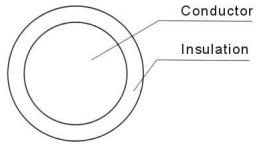
PVC insulated wire

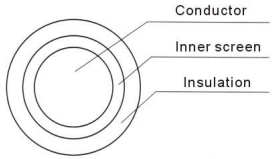
BV、BLV、BVR、BVV、BLVV、BVVB、BLVVB type (1、7、19、49、98、133、189 core)



Type	Description	Nominal cross-section mm²
BV300/500V	Copper PVC insulated wire	0.5、0.75(A)、0.75(B)、1.0(A)、1.0(B)
BV450/750V	Copper PVC insulated wire	1.5(A)、1.5(B)、2.5(A)、2.5(B)、4(A)、4(B)、6(A)、6(B)、10、16、25、35、50、70、95、120、150、185、240、300、400
BLV450/750V	Aluminium PVC insulated wire	2.5、4、6、10、16、25、35、50、70、95、120、150、185、240、300、400
BVR450/750V	Copper PVC insulated soft wire	2.5、4、6、10、16、25、35、50、70
BVV type 300/500V	Copper PVC insulated and PVC sheathed round wire	0.75、1.0、1.5、1.5、2.5、2.5、4、6、10
BLVV type 300/500V	Aluminium PVC insulated and PVC sheathed round wire	0.75、1.0、1.5、1.5、2.5、2.5、4、6、10
BVVB type 300/500V	Copper PVC insulated and PVC sheathed parallel wire	2x0.75、2x1.0、2x1.5、2x2.5、2x4、2x6、2x10
BLVVB type 300/500V	Aluminium PVC insulated and PVC sheathed parallel wire	2x0.75、2x1.0、2x1.5、2x2.5、2x4、2x6、2x10

Aerial insulated cable with rated voltage 10KV and 35KV





Type	Description	Number of core	Rated voltage KV	
			10	35
			Nominal section mm²	
JKYJ	Cu core XLPE aerial insulated cable	1	10-300	50-300
JKLYJ	Al core XLPE aerial insulated cable	1	10-300	50-300
JKLY JKLY	Cu core light aerial insulated cable	1	10-300	/
JKLYJ/Q JKLY/Q	Al core light aerial insulated cable	1	10-300	/

PVC aerial insulated cable with rated voltage 0.6/1KV

JKV、JKLV、JKY、JKLY、JKYJ、JKLYJ type

Type	Description	Number of core	Nominal cross section mm²
JKV-0.6/1	Cu core PVC aerial insulated cable with rated voltage 0.6/1KV	1	10、16、25、35、50、70、95、120、150、185、240
JKLV-0.6/1	Al core PVC aerial insulated cable with rated voltage 0.6/1KV		
JKY-0.6/1	Cu core PVC aerial insulated cable with rated voltage 0.6/1KV		
JKLY-0.6/1	Al core PVC aerial insulated cable with rated voltage 0.6/1KV		
JKYJ-0.6/1	Cu core PVC aerial insulated cable with rated voltage 0.6/1KV		
JKLYJ-0.6/1	Al core PVC aerial insulated cable with rated voltage 0.6/1KV		