

INSULATOR

公司简介

百纳（闽清）低压电器有限公司创建于2006年11月，公司位于中国福建省闽清县白中镇白中工业区。注册资本100万美元，项目总投资RMB5,000万元。我厂总占地面积达23,000M²，总建筑面积达18,000M²。我们拥有高标准的厂房和宽敞的空间，所有这些设施将为我们生产高压电瓷产品创造优越条件。

我司是一家专业的电瓷制造商，生产各种高、低压电瓷，我们的产品有16吨位以下高压线路盘形悬式绝缘子，高压线路耐污盘形悬式绝缘子，高、低压线路针式绝缘子，柱式绝缘子，瓷横担绝缘子，拉紧绝缘子，线轴式绝缘子，蝶式绝缘子，35千伏以下的支柱、套管等十几个系列一百多种产品。

我司在电瓷领域拥有雄厚的技术力量，现有职业的中高级工程师15人，员工约200人，制造技术采用国内先进的半自动化生产线，燃料采用清洁的天然气，并采用世界先进的节能型氧化焰烧成。同时我司配备物理、化学实验室，高压试验室，我们建立和健全严格的生产工艺和质量保证控制体系，现我司正与景德镇陶瓷学院合作研制氧化焰烧成高强度配方，研制成功后能够生产21吨位以上的高压线路盘形悬式绝缘子，以填补福建省高压高吨位产品的空白。公司与福州市陶瓷行业技术创新中心联合共同建立“福建省电瓷行业技术创新基地-百纳电瓷研发中心”。

我司产品严格参照国际电工委员会（IEC），英国（BS），美国（ANSI），德国（DIN）和国标（GB）等标准生产，公司本着“用户至上、质量第一、诚信为本、科技兴业”的企业精神，来回报广大顾客。

欢迎惠顾指导！

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BONLE

百纳（闽清）低压电器有限公司

BONLE (MINQING) LOW VOLTAGE ELECTRIC CO., LTD.



Insulators

Brief Introduction to the Manufacturer

BONLE (MINQING) LOW VOLTAGE ELECTRIC CO., LTD. was established in November, 2006, we are located in Baizhong Industry Area, Baizhong, Minqing, Fujian, China. With registered capital USD1,000,000, investment total amount RMB50,000,000, it is totally occupied 23,000M², total building square 18,000M², we own high standard workshop and very wide space, all these facilities for us create super condition to produce high-voltage electric porcelain products.

We are one lead specialized manufacturer of various high and low voltage electric porcelain, our products have PORCELAIN DISC SUSPENSION INSULATORS FOR HIGH VOLTAGE UNDER 16 TONS, ANTIPOLLUTION TYPE PORCELAIN DISC SUSPENSION INSULATORS FOR HIGH VOLTAGE, PIN TYPE INSULATORS FOR HIGH AND LOW VOLTAGE, LINE POST INSULATORS, PORCELAIN CROSS ARMS INSULATORS, PORCELAIN STRAIN INSULATORS, SPOOL INSULATORS, SHACKLE INSULATORS, POST INSULATORS AND TUBES UNDER 35KV, ECT. over ten series about more than 100 kinds products.

Our company own strong technical strength in electric porcelain field. We have 15 professional medium and high-rank engineers and about 200 employees. Our technology of manufacturing adopts domestic very advanced semi-automatic production lines, fuel adopts clean gas, and world advanced energy-saving oxide flame firing. Meanwhile, we process physics and chemistry lab, high-voltage lab, we establish and strengthen strict production technology and quality guarantee control system, now we are cooperating with Jingdezhen Ceramics Institute to research high strength formula of oxide flame firing, after success we can produce over 21 tons porcelain DISC Suspension Insulators for high voltage to fill in the gap of high-voltage and high tons products in Fujian Province. We joint with Fuzhou Porcelain Industry Technology Innovation Center together to establish "Fujian Province Electrical Porcelain Industry Technology Innovation Base - BONLE Electrical Porcelain Research and Development Center" .

Our products are in strictly compliance with the standards of IEC, BS, ANSI, DIN, and GB. Our company follow the spirit of enterprise "CUSTOMERS RESPECTED AS GOD, QUALITY FIRST, HONESTY AND CREDIT, TECHNOLOGY PROSPECT ENTERPRISE" to reward all clients.

Welcome to visiting our factory and instruction!

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Fujian Province, China

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高压线路盘形悬式绝缘子

CAP AND PIN TYPE SUSPENSION INSULATORS FOR HIGH VOLTAGE

ANSI
STANDARD

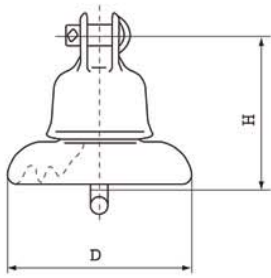


Fig 1

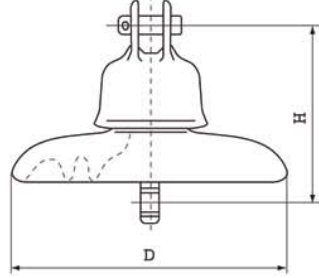


Fig 2

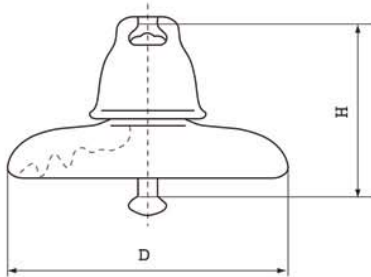


Fig 3

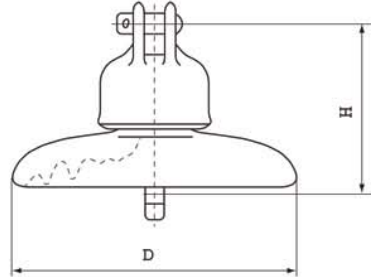


Fig 4

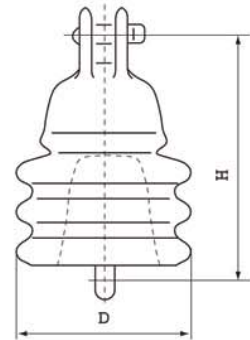


Fig 5

美标等级 ANSI Class	图号 Fig.	主要尺寸 Main dimension mm		泄漏距离 Leakage distance mm	工频 击穿电压 Power- frequency puncture voltage kv	平均闪络电压 Average flashover voltage				无线电干扰电压 Radio influence voltage		额定机电 破坏负荷 Rated E & M failing load kN	例行拉 伸负荷 Tension proof load kN	打击破坏 负荷 Impact strength N·m	重量 Weight kg
		D	H			工频		临界冲击		对地试 验电压 Test voltage to ground kV	1000千赫 最大值 Max. RIV at 1000kHz kV				
						干	湿	正	负						
						Dry kV	Wet kV	Positive kV	Negative kV						
52-1 XP-4.5C-M	1	165	140	178	80	60	30	100	100	7.5	50	45	22	5	2.5
52-2 XP5-7C-M	2	190.5	146	210	80	65	35	115	115	7.5	50	70	35.5	6	3.9
52-3 XP-7-M	3	254	146	292	110	80	50	125	130	10	50	70	35.5	6	4.6
52-4 XP-7C-M	4	254	146	292	110	80	50	125	130	10	50	70	35.5	6	4.9
52-5 XP-11-M	3	254	146	292	110	80	50	125	130	10	50	111	55.5	7	5.6
52-6 XP-11C-M	4	254	146	292	110	80	50	125	130	10	50	111	55.5	7	5.9
52-8 XP-16-M	3	254	146	320	110	80	50	125	130	10	50	160	80	10	6.9
52-9 XP9-4.5C-M	5	108	160	171	80	60	30	125	90	7.5	50	45	22	5	2.6
52-10 XP-16C-M	1	280	165	280	110	80	50	100	130	10	50	160	80	10	7.2

交流盘形悬式瓷绝缘子 (交普通型)

AC DISC SUSPENSION PORCELAIN INSULATOR (NORMAL TYPE)

IEC
STANDARD

盘形悬式瓷绝缘子主要用于高压架空输电线路中绝缘支持道线。普通盘形悬式瓷绝缘子包括标准型绝缘子和大爬距绝缘子, 这些绝缘子主要适用于清洁区和轻污秽区。

Disc suspension porcelain insulators are mainly used on high-voltage overhead transmission and distribution lines to support and insulate conductors. The normal type disc suspension porcelain insulators include standard type and large creepage distance type insulators, which are widely used in clean areas and light pollution areas.

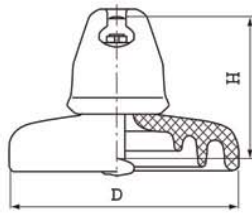


Fig 3

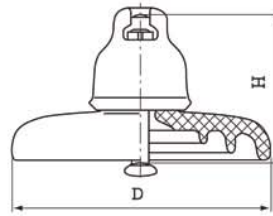


Fig 1

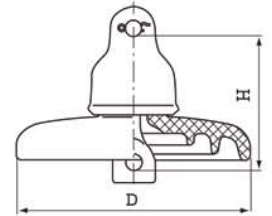


Fig 2

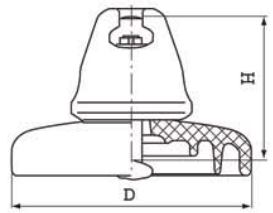


Fig 4

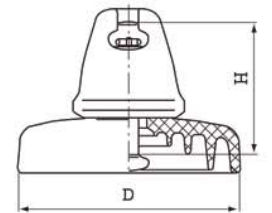


Fig 5

型号 Cat. No.	图号 Fig.	绝缘子等级 Class IEC	结构高度 Unit spacing H mm	公称盘径 Nominal diameter D mm	公称爬电距离 Nominal creepage distance L mm	连接标记 Coupling size	额定机电破坏负荷 Rated E&M failing load kN	例行拉伸负荷 Routine tension load kN	打击破坏负荷 Impact failing load N.m	工频耐受电压 Power frequency voltage kV		雷电冲击干耐受电压 Dry lightning impulse withstand voltage kV	工频击穿电压 Power frequency puncture voltage kV	无线电干扰电压 Radion interference voltage		产品质量 Unit mass kg
										湿 Wet	干 Dry			对地试验 电压 Test voltage to ground kV	1MHz时最大 值 Max. RIV at 1MHz μV	
XP-40	1	U40B	110	175	190	11	40	20	5	30	55	75	90	7.5	50	2.4
XP-40C	2	U40C	140	190	200	11C	40	20	5	30	55	76	90	7.5	50	2.7
XP-70	1	U70BL	146	255	295/340	16	70	35	6	40	70	100	110	10	50	4.6/5.3
XP-70C	2	U70C	146	255	295	16C	70	35	6	40	70	100	110	10	50	4.8
XP1-70	1	U70BS	127	255	295/320	16	70	35	6	40	70	100	110	10	50	4.6/4.8
XP4-70	1	U70BL	146	270	330	16	70	35	6	40	70	100	110	10	50	5.0
XP5-70	1	U70BL	146	200	210	16	70	35	6	30	50	80	110	10	50	3.7
XP-80	1	U80BM/L	140/146	255	295	16	80	40	6	40	70	100	110	10	50	4.9
XP-100	3	U100BL	146	255	295/320	16	100	50	7	40	70	100	110	10	50	5.7/6.0
XP3-100	3	U100BL	146	280	340	16	100	50	7	40	70	100	110	10	50	6.6
XP-120	3	U120B	146	255	295/320	16	120	60	7	40	70	100	110	10	50	5.7/6.0
XP2-120	3	U120B	146	280	320	16	120	60	7	40	70	100	110	10	50	6.8
XP-160	3	U160BM	155	255	305/360	20	160	80	10	40	70	100	110	10	50	7.4/8.2
XP1-160	3	U160BS	146	255	305/320	20	160	80	10	40	70	100	110	10	50	7.4/7.8
XP4-160	4	U160BM	155	300	400	20	160	80	10	45	75	110	110	10	50	9.4
XP5-160	4	U160BS	146	280	350/405	20	160	80	10	42	75	105	110	10	50	8.9/9.1
XP6-160	4	U160BM/L	155/170	280	380	20	160	80	10	42	75	105	110	10	50	8.9
XP8-160	3	U160BS	146	280	315	20	160	80	10	40	70	105	110	10	50	8.0
XP9-160	3	U160BM	155	280	315/350	20	160	80	10	40	70	105	110	10	50	8.0/8.4
XP13-160	4	U160BL	170	280	350/405	20	160	80	10	42	75	110	110	10	50	8.7/9.1
XP1-210	3	U210B	170	280	335	20/24	210	105	10	40	70	105	120	10	50	10.2/10.4
XP2-210	4	U210B	170	280	380/405	20/24	210	105	10	42	75	105	120	10	50	10.7/10.9
XP4-210	3	U210B	170	300	330	20	210	105	10	40	70	105	120	10	50	10.6
XP5-210	4	U210B	170	300	370/400	20/24	210	105	10	42	75	110	120	10	50	11.1/11.4
XP-240	4	U240B	170	280	405	24	240	120	10	45	75	110	120	10	50	11.1
XP-300	4	U300B	195	320/330	370/390	24	300	150	10	45	75	110	120	10	50	13.2/13.6
XP-400	4	U400B	205	360	525	28	400	200	10	50	90	140	130	10	50	18.6
XP2-400	5	U400B	205	340	550	28	400	200	10	50	90	140	130	10	50	19.5
XP-420	5	U420B	205	340	550	28	420	210	10	50	90	140	130	10	50	19.5
XP-530	5	U530B	240	380	600/700	32	530	265	10	55	95	140	140	10	50	25.5/29.0

交流耐污盘形悬式瓷绝缘子（双伞型和三伞型）

CHINA
STANDARD

ANTI-POLLUTION SUSPENSION PORCELAIN INSULATOR (DOUBLE-SHED AND AND TRI-SHED TYPE)

在轻污秽区的高压架空输电线路中需要用耐污绝缘子支持道线。耐污盘形悬式瓷绝缘子与普通盘形悬式瓷绝缘子具有相同的机电强度等级和连接结构。双伞型、三伞型产品属于敞开式结构造型，盘径大，爬距大，自洁性能好，耐污能力强，特别适合西北地区干旱、雨少、风沙大等气候条件。

Anti-pollution type disc suspension porcelain insulators are used to support and insulate conductors on the overhead high-voltage transmission lines in polluted areas. Anti-pollution type disc suspension porcelain insulators have the same E&M strength class and coupling size as the normal type. The double-shed and tri-shed type insulators hold open structure, with big diameter, large creepage distance, great self-clean function and strong resistance to pollution, specially serving in droughty, rainless and windy areas.

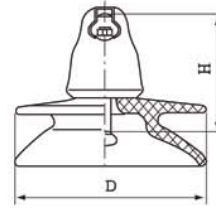


Fig 1

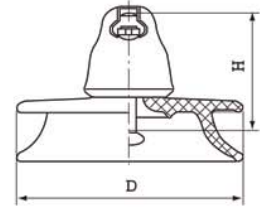


Fig 2

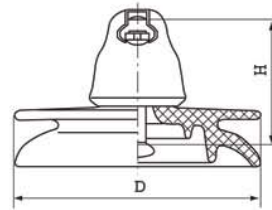


Fig 3

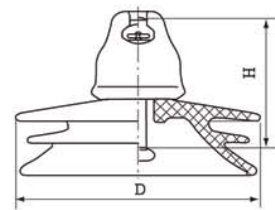


Fig 4

型号 Cat. No.	图号 Fig.	绝缘子等级 Class IEC	结构高度 Unit spacing H mm	公称盘径 Nominal diameter D mm	公称爬电距离 Nominal creepage distance L mm	连接标记 Coupling size	额定机电破坏负荷 Rtded E&M failing load kN	例行拉伸负荷 Routine tension load kN	工频耐受电压 Power frequency voltage kV		雷电冲击干耐受电压 Dry lightning impulse withstand voltage kV	工频击穿电压 Power frequency puncture voltage kV	无线电干扰电压 Radio interference voltage		产品质量 Unit mass kg
									湿 Wet	干 Dry			对地试验电压 Test voltage to ground kV	1MHz时最大值 Max. RIV at 1MHz μV	
XWP-70	1	U70BEL	155/160	255	400	16	70	35	42	80	120	120	10	50	5.9
XWP2-70	1	U70BLP	146	255	400/450	16	70	35	42	80	120	120	10	50	5.9/6.4
XWP3-70	1	U70BL/ELP	146/160	280	400/450	16	70	35	45	80	120	120	10	50	5.9/7.5
XWP4-70	2	U70BL	146	300	400	16	70	35	42	80	120	120	10	50	6.5
XWP1-100	1	U100BL	160	255	400	16	100	50	42	80	120	120	10	50	7.3
XWP2-100	1	U100BLP	146	255/280	450	16	100	50	45	80	120	120	10	50	6.7/8.1
XWP2-120	1	U120BP	146/160	280	450	16	120	60	45	80	120	120	10	50	8.4
XWP-160	2	U160BM	155	300	400	20	160	80	45	80	130	120	10	50	9.2
XWP1-160	1	U160BM	160	280	400	20	160	80	45	80	130	120	10	50	8.2
XWP2-160	1	U160BM/LP	155/170	300	450	20	160	80	45	80	130	120	10	50	9.1
XWP3-160	1	U160BMP	155	280	450	20	160	80	45	80	130	120	10	50	8.6
XWP5-160	3	U160BMP	155	300	450	20	160	80	45	80	130	120	10	50	9.9
XWP6-160	1	U160BLP	170	330	450	20	160	80	45	80	130	120	10	50	11.0
XWP7-160	1	U160BLP	170	340	525	20	160	80	50	90	135	130	10	50	10.9
XWP1-210	1	U210BP	170	300	450	20/24	210	105	45	80	130	130	10	50	12.0/11.7
XWP3-210	1	U210BP	170	350	525/545	20/24	210	105	50	90	135	130	10	50	13.6/13.8
XWP3-240	1	U240BP	170	360	525	24	240	120	50	90	135	130	10	50	14.4
XWP-300	1	U300BP	195	330	480	24	300	150	47	85	130	130	10	50	14.8
XSP-70	4	U70BLP	146	255/280	450	16	70	35	42	80	120	120	10	50	6.3/7.1
XSP-100	4	U100BELP	155/170	300	545	16	100	50	45	80	130	120	10	50	9.4
XSP2-100	4	U100BELP	160	280	450	16	100	50	42	80	130	120	10	50	8.6
XSP-160	4	U160BLP	170	330	545	20	160	80	50	90	130	130	10	50	11.8
XSP1-160	4	U160BMP	155	320/330	500	20	160	80	45	80	130	130	10	50	11.7
XSP2-160	4	U160BMP	160	325/330	545	20	160	80	50	90	130	130	10	50	11.9
XSP-210	4	U210BP	170	340	545	20	210	105	50	90	130	130	10	50	14.0
XSP-240	4	U240BP	170	360	545	24	240	120	50	90	130	130	10	50	15.0
XSP-300	4	U300BP	195	360	550	24	300	150	50	90	130	130	10	50	17.1

交流耐污盘形悬式瓷绝缘子（钟罩型和草帽型）

IEC

ANTI-POLLUTION SUSPENSION PORCELAIN INSULATOR (FOG TYPE AND AERODYNAMIC TYPE)

STANDARD

在轻污秽区的高压架空输电线路中需要用耐污绝缘子支持导线。耐污盘形悬式瓷绝缘子与普通盘形悬式瓷绝缘子具有相同的机电强度等级和连接结构。钟罩型产品爬距大，湿闪性能好，适合于沿海地区和多雨地带；草帽型产品属于流线型结构，积污率低，自洁性能好，在绝缘子串中可起到了特殊的保护作用。

Anti-pollution type disc suspension porcelain insulators are used to support and insulate conductors on the overhead high-voltage transmission lines in polluted areas. Anti-pollution type disc suspension porcelain insulators have the same E&M strength class and coupling size as the normal type. The fog type insulators usually serve in coastlands and rainy areas with large creepage distance structure and well flashover performance in wet condition. The aerodynamic type insulators, with streamline structure, low deposit rate of insoluble material and great self-clean function take the special protection effect in insulator stings.

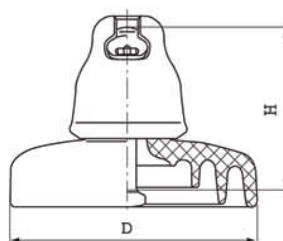


Fig 1

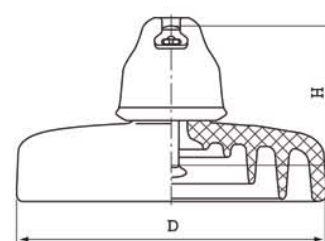


Fig 2

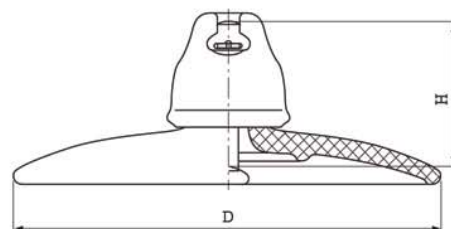


Fig 3

型号 Cat. No.	图号 Fig.	绝缘子等级 Class IEC	结构高度 Unit spacing H mm	公称盘径 Nominal diameter D mm	公称爬电距离 Nominal creepage distance L mm	连接标记 Coupling size	额定机电破坏负荷 Rted E&M failing load kN	例行拉伸负荷 Routine load kN	打击破坏负荷 Impact failing load N.m	工频耐受电压 Power frequency voltage kV		雷电冲击干耐受电压 Dry lightning impulse withstand voltage kV	工频击穿电压 Power frequency puncture voltage kV	无线电干扰电压 Radio interference voltage		产品质量 Unit mass kg
										湿 Wet	干 Dry			对地试验电压 Test voltage to ground kV	1MHz时最大值 RIV at 1MHz μV	
XHP-70	1	U70BLP	146	255	432/450	16	70	35	6	42	80	120	120	10	50	6.1/6.3
XHP5-70	1	U70BL	146	280	400	16	70	35	6	42	80	120	120	10	50	6.0
XHP-80	1	U80BM/LP	140/146	255	432	16	80	40	6	42	80	120	120	10	50	6.5
XHP-100	1	U100BEL	160	280	400/430	16	100	50	7	45	80	120	120	10	50	7.9/8.2
XHP2-100	1	U100BLP	146	255	432/450	16	100	50	7	42	80	120	120	10	50	7.7/7.9
XHP1-120	1	U120BP	146	255/280	432/450	16	120	60	7	45	80	120	120	10	50	760/820
XHP3-120	2	U120BP	146	320/330	555	16	120	60	7	55	80	135	130	10	50	10.3
XHP4-120	1	U120BP	160	255	432	16	120	60	7	42	80	120	120	10	50	8.2
XHP-160	1	U160BMP	155	280/300	450	20	160	80	10	45	80	120	130	10	50	10.1/10.3
XHP2-160	2	U160BMP	170	330/320	525/550	20	160	80	10	55	80	135	130	10	50	11.7/12.0
XHP5-160	2	U160BMP	155	330	450/550	20	160	80	10	45/55	80/90	120/135	130	10	50	10.3/12.0
XHP-210	1	U210BP	170	300	450	20/24	210	105	10	45	80	130	130	10	50	12.6/12.3
XHP1-210	2	U210BP	170	330	550	20	210	105	10	55	90	135	130	10	50	14.5
XHP1-240	2	U240BP	170	330	550	24	240	120	10	55	90	135	130	10	50	15.2
XHP-300	1	U300BP	195	320/330	485/505	24	300	150	10	45	80	130	130	10	50	15.2/15.7
XHP3-300	1	U300BP	200	320/330	450	24	300	150	10	45	80	130	130	10	50	15.1
XHP4-300	2	U300BP	195	380	690	24	300	150	10	60	100	140	140	10	50	21.4
XHP5-300	2	U300BP	195	360	600	24	300	150	10	55	90	135	130	10	50	19.1
XMP-70	3	U70BL	146	350	300	16	70	35	-	40	70	105	120	10	50	5.7
XMP-80	3	U80BL	146	325	305	16	80	40	-	40	70	95	120	10	50	5.6
XMP-100	3	U100BL	146	350	300	16	100	50	-	40	70	105	120	10	50	6.7
XMP2-160	3	U160BS	146	425	385	20	160	80	-	45	75	110	130	10	50	10.6

高压针式绝缘子
HIGH VOLTAGE PIN TYPE INSULATORS

IEC
STANDARD

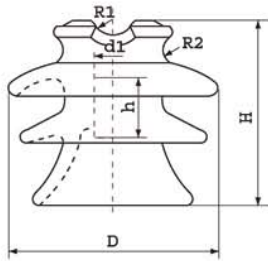


Fig 1

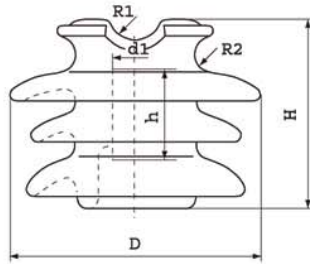


Fig 2

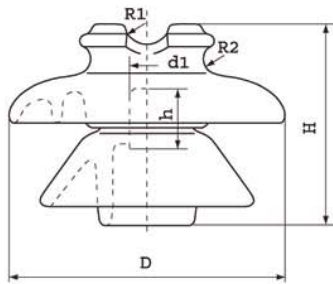


Fig 3

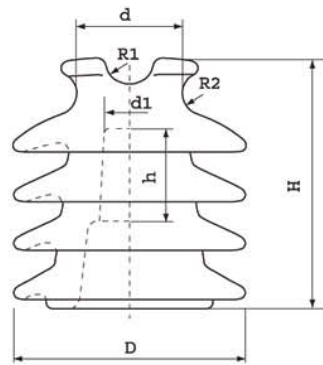


Fig 4

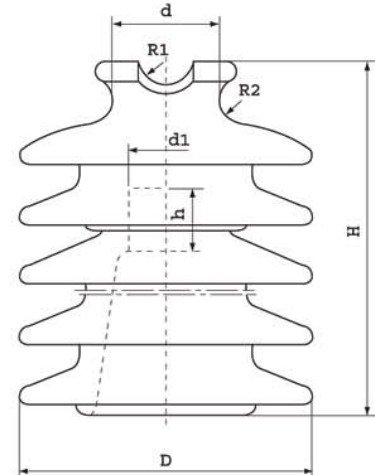


Fig 5

型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm						爬电距离 Creepage Distance mm	弯曲强度 Cantilever Strength kN	耐受电压 Withstand voltage		工频击 穿电压 Power Puncture Voltage kV	无线电干扰电压 Radio influence voltage		配用 钢脚 Fitted Spindle	
		D	H	d ₁	h	R ₁	R ₂			一分钟工频 湿耐受电压 One minute wet power frequency withstand voltage kV	冲击干耐受 电压(峰值) Dry impulse withstand voltage (peak) kV		对地试 验电压 Test voltage to ground kV	1 MHz时 最大值* Max. RIV at 1 MHz μV		
P-11-Y	1	140	133	18.29	48	13	9.5	240	11	45	80	150	15	8000/100	小钢头 Small steel head	
P-15-Y	1	152	137	18.29	48	13	12.7	298	11	50	95	150	15	8000/100		
P-22-Y	2	230	165	27.78	52.63	19	14.3	432	11	70	125	200	22	12000/100		
P-33-Y	3	279	244	27.78	52.63	19	13	630	13.8	90	170	210	30	16000/100	大钢头 Large steel head	
Pw-15-Y	4	170	185		52.63	16	16	76	432	11	50	95	150	22		12000/100
Pw-22-Y	5	205	255		52.63	16	16	76	673	11	70	125	200	30		16000/100
Pw-33-Y	5	240	320		52.63	16	16	76	851	11	90	170	210	44	25000/100	

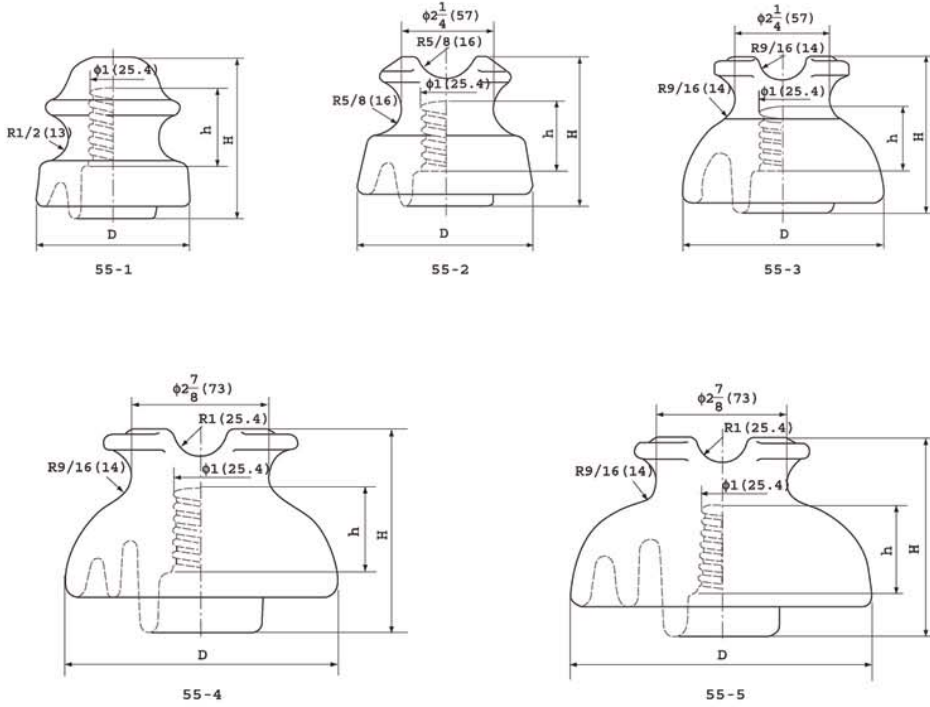
注*：斜线左为普通型，斜线右为半导体釉型。

Note: The left side of slant is common glaze. The right side of slant is semiconductor glaze.

低中压针式绝缘子

LOW & MEDIUM VOLTAGE PIN TYPE INSULATORS

ANSI C29.5
STANDARD



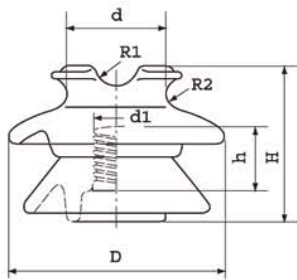
美标等级 ANSI Class	主要尺寸 Main dimension mm			爬电距离 Creepage Distance inch mm	最小钢 脚长度 Min. pin length in mm	弯曲强度 Cantilever strength lb kN	闪络电压 Flashover voltage				工频击 穿电压 Power Frequency Puncture Voltage kV	无线电干扰电压 Radio influence voltage	
	D	H	h				工频 Power frequency		冲击 Impulse			对地试 验电压 Test voltage to ground kV	1 MHz 时最大 值 Max. RIV at 1 MHz μV
							干 Dry kV	湿 Wet kV	正 Positive kV	负 Negative kV			
55-1	3 1/4 (83)	3 1/2 (89)	1 3/4 (44)	4 (102)	4 (102)	3000 (13)	35	20	50	70	50	5	2500/50
55-2	3 3/4 (95)	3 1/4 (83)	1 1/2 (38)	5 (127)	4 (102)	2500 (11)	50/45	25	75/70	95/85	70	5	2500/50
55-3	4 3/4 (121)	3 3/4 (95)	1 1/2 (38)	7 (178)	5 (127)	2500 (11)	65/55	35/30	100/90	130/110	90	10	5500/50
55-4	5 1/2 (140)	4 3/8 (111)	1 3/4 (44)	9 (229)	5 (127)	3000 (13)	70/65	40/35	110/105	140/130	95	10	5500/50
55-5	7 (178)	4 7/8 (124)	2 (51)	12 (305)	6 (152)	3000 (13)	85/80	45	140/130	170/150	115	15	8000/100

注：斜线左为普通型，斜线右为半导体轴型。

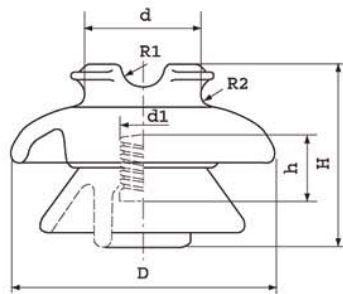
Note: The left side of slant is Common glaze, The right side of slant is semiconductor glaze.

高压针式绝缘子 HIGH VOLTAGE PIN TYPE INSULATORS

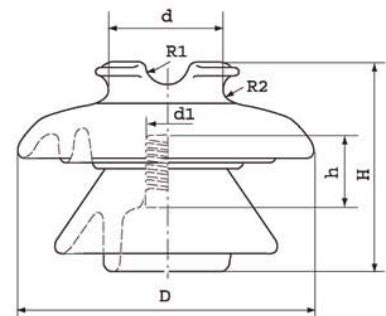
ANSI C29.6
STANDARD



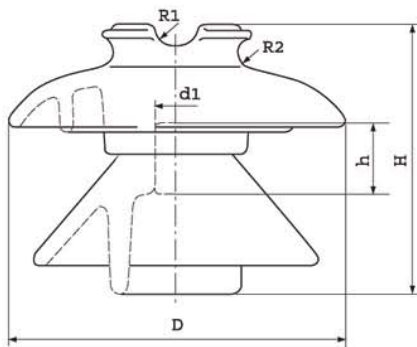
56-1



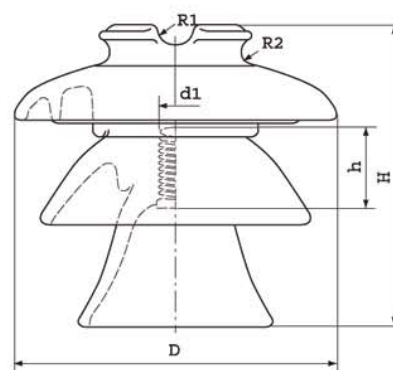
56-2



56-3



56-4



56-5

美标等级 ANSI Class	主要尺寸 Main dimension mm							爬电距离 Creepage Distance inch mm	最小钢脚长度 Min. pin length in mm	弯曲强度 Cantilever strength lb kN	闪络电压 Flashover voltage				工频击穿电压 Power Frequency Puncture Voltage kV	无线电干扰电压 Radio influence voltage	
	D	H	d	d1	h	R1	R2				工频 Power frequency		冲击 Impulse			对地试验电压 Test voltage to ground kV	1 MHz 时最大值 Max. RIV at 1 MHz µV
											干 Dry kV	湿 Wet kV	正 Positive kV	负 Negative kV			
56-1	7 1/2 (191)	5 3/4 (146)	3 1/2 (89)	1 3/8 (35)	2 (51)	3/4 (19)	9/16 (14)	3 (330)	6 (152)	2500 (11)	95	60	150	190	130	15	100
56-2	9 (229)	6 1/2 (165)	4 (102)	1 3/8 (35)	2 (51)	3/4 (19)	9/16 (14)	17 (432)	7 (178)	3000 (13.2)	110	70	175	225	145	22	100
56-3	10 1/2 (267)	7 1/2 (191)	4 (102)	1 3/8 (35)	2 (51)	3/4 (19)	9/16 (14)	21 (533)	8 (203)	3000 (13.2)	125	80	200	265	165	30	200
56-4	12 (305)	9 1/2 (241)		1 3/8 (35)	2 (51)	3/4 (19)	9/16 (14)	27 (685)	10 (254)	3000 (13.2)	140	95	225	310	185	30	200
56-5	13 1/2 (343)	12 1/2 (318)		1 3/8 (35)	2 1/8 (54)	3/4 (19)	9/16 (14)	34 (864)	12 (305)	3000 (13.2)	175	125	270	340	225	44	200

钢脚（和针式绝缘子配用）
SPINDLES (for pin type insulators)

ANSI
STANDARD

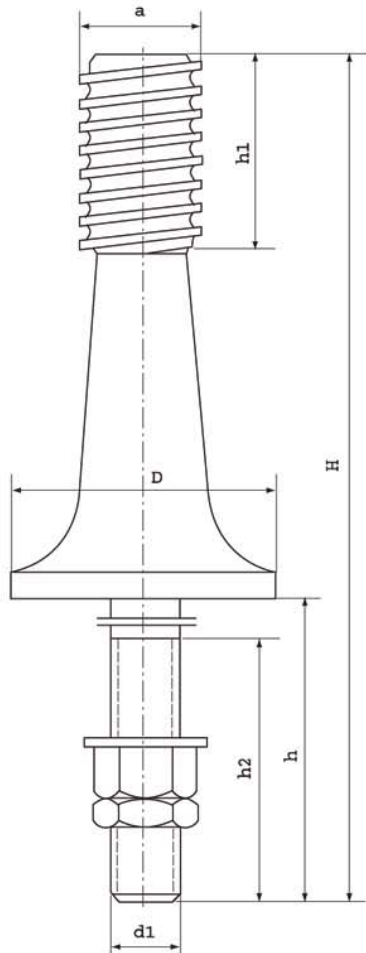


Fig 11

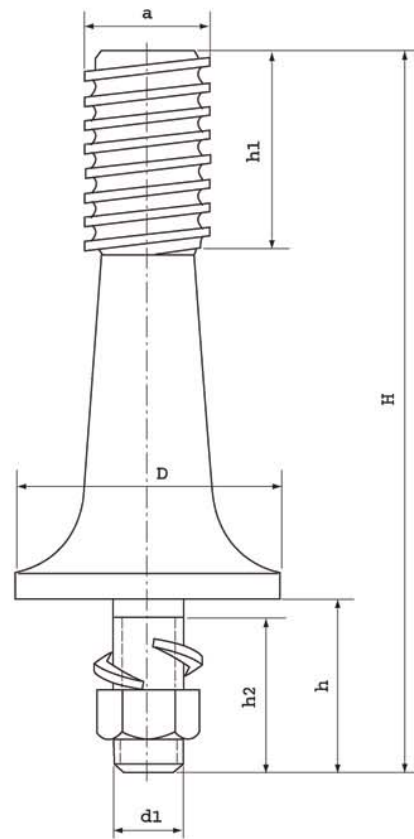


Fig 12

型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm							机械负荷 Mechanical load kN	重量 Weight kg	美标等级 ANSI Class
		H	D	h	h ₁	h ₂	a	d ₁			
C110M	11	330	76	178	51	76	34.9	20	11	1.9	56-1
C111M	11	356	76	178	51	76	34.9	20	9	2.2	56-2
C112M	11	407	89	178	51	76	34.9	20	10	2.5	56-3
C113M	11	432	89	178	51	76	34.9	20	9	3.25	56-4
C114M	11	343	45	165	51	76	34.9	20	6	1.6	56-2
C115T	12	198	76	45	51	40	34.9	20	11	1.54	56-1
C116T	12	223	76	45	51	40	34.9	20	9	1.87	56-2
C117T	12	274	89	45	51	40	34.9	20	10	2.17	56-3
C118T	12	299	89	45	51	40	34.9	20	9	2.7	56-4
C119T	12	223	45	45	51	40	34.9	20	6	1.3	56-2
C120T	11	356	76	76	51	76	34.9	16	5	1.9	56-2

钢脚（和针式绝缘子配用）
SPINDLES (for pin type insulators)

BS AS
STANDARD

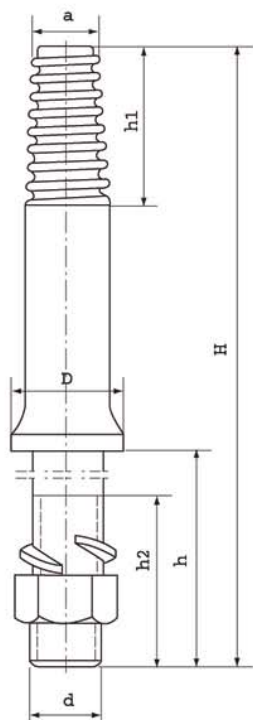


Fig 13

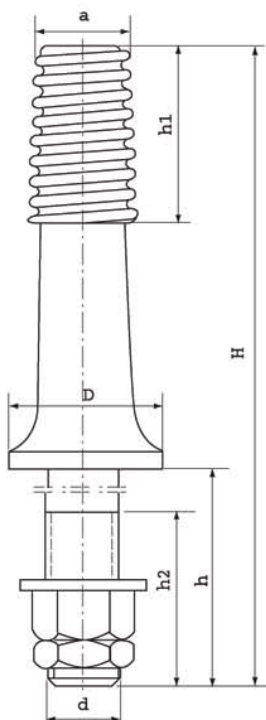


Fig 14

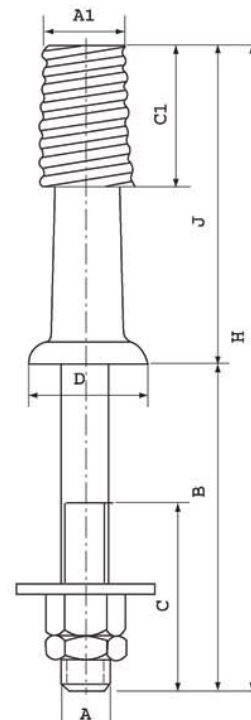


Fig 15

BS

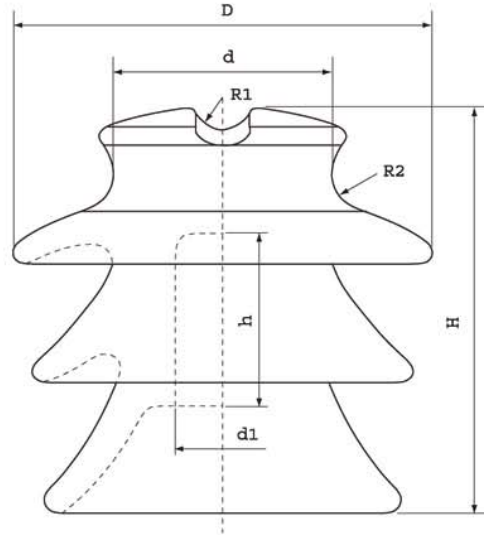
型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm							机械负荷 Mechanical load kN	重量 Weight kg	配用 钢脚 Fitted Spindle
		H	D	h	h1	h2	a	d			
C101	13	305	38	140	44.45	74	18.29	20	5	1	小钢头 Small steel head
C102	13	352	41	127	44.45	80	18.29	22	5	1.2	
C103	13	215	38	50	44.45	44	18.29	20	5	0.75	
C106	14	261	60	46	47	41	27.78	22	10	1.5	大钢头 Large steel head
C107	14	369	51	140	47	78	27.78	22	10	2	

AS

型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm								机械负荷 Mechanical load kN
		H	A	B	C	D	J	A1	C1	
A/130/7	15	293	20	165	80	50	128	30.162	39.688	7
C/150/7	15	313	20	165	80	60	148	34.925	63.500	7
C/150/11	15	313	24	165	80	60	148	34.925	76.200	11
C/200/11	15	363	24	165	80	65	198	34.925	76.200	11
C/300/7	15	463	24	165	80	75	298	34.925	63.500	7

高压线路针式绝缘子
PIN TYPE INSULATORS FOR HIGH VOLTAGE

DIN
STANDARD



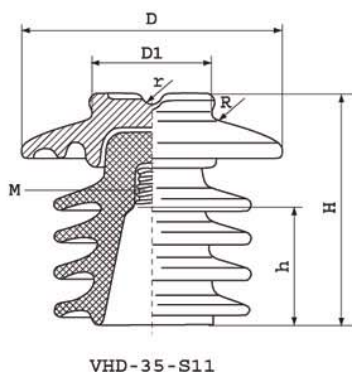
型号 Cat. No.	主要尺寸 Main dimension mm						重量 Weight
	H	h	D	d	d1	R	kg
D10K45	138	55	135	62	31	12.5	1.6
D10K46	158	60	150	72	31	12.5	2.7
D10K47	185	65	175	82	35	12.5	3.8
D10K48	250	90	230	92	43	12.5	6.5

型号 Cat. No.	图号 Fig. No	额定电压 Nominal voltage kV	工频电压 Power frequency voltage kV		击穿电压 Puncture voltage kV	50% 冲击耐压 50% Impulse withstand voltage kV	最小破坏负荷 Minimum breaking load kg	曾用代号 No. used before
			干闪络 Dry flashover	湿闪络 Wet flashover				
D10K45	1	10	70	42	110	100	1250	P-10-D
D10K46	1	15	75	53	120	110	1250	P-15-D
D10K47	1	20	90	65	140	130	1500	P-20-D
D10K48	1	30	110	90	140	180	1500	P-30-D

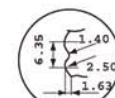
高压线路针式绝缘子

PIN TYPE INSULATORS FOR HIGH VOLTAGE

DIN
STANDARD

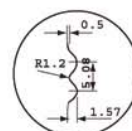


VHD-35-S11



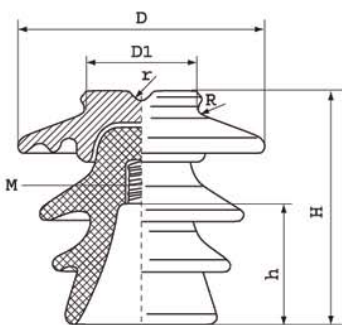
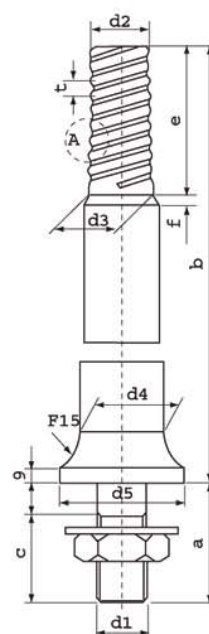
A-DETAYI
Detail_A

VHD-35

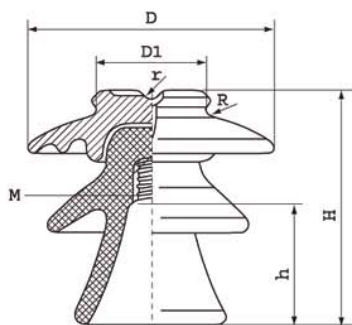


A-DETAYI
Detail_A

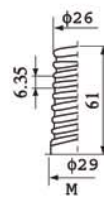
VHD-15 VHD-10



VHD-35-S1



VHD-35-N



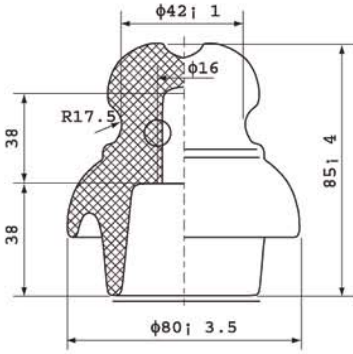
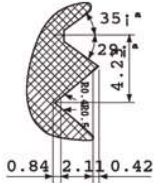
型号 Cat. No.	主要尺寸 Main dimension mm						泄漏距离 Leakage distance mm	最小 破坏负荷 Minimum breaking load kg	一分钟 湿耐压 One minute withstand voltage wet kV	击穿电压 Puncture voltage kV	冲击 干耐压 Impulse withstand voltage kV	重量 Weight kg
	H	h	D	D1	R	r						
VHD-35-N	270	133	270	135	14	14	630	1200	70	180	170	11
VHD-35-S1	270	133	270	135	14	14	720	1200	75	180	175	11.8
VHD-35-S11	295	160	270	135	14	14	900	1200	80	180	180	13.3

钢脚尺寸 SPECIFICATIONS OF STEEL STANDS

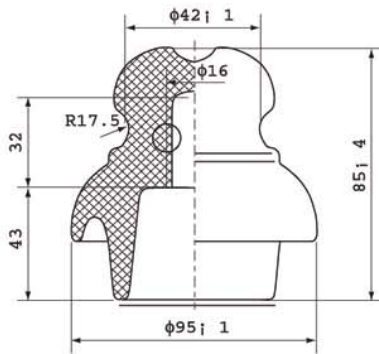
TIP	a mm	b mm	c mm	d1 mm	d2 mm	d3 mm	d4 mm	d5 mm	e mm	f mm	g mm	t mm
VHD-35	135	280	75	1"	+0 25-0.6	+0 28-0.6	35	51	61	4	8	6.35
VHD-20	135	215	75	M20	+0 19+0.5	+0 24-0.5	30	44	45	4	5	5.05
VHD-15	135	165	75	M16	+0 19-0.5	+0 24-0.5	30	41	45	4	5	5.05
VHD-10	135	127	75	M16	+0 19-0.5	+0 24-0.5	30	41	45	4	5	5.05

高压针式绝缘子
LOW VOLTAGE PIN INSULATORS

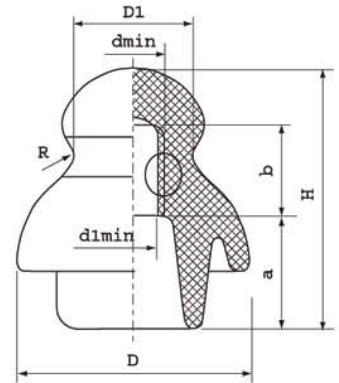
DIN
STANDARD



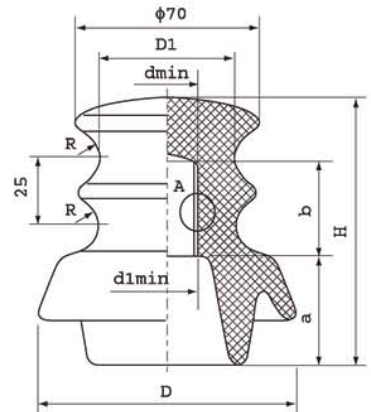
N80



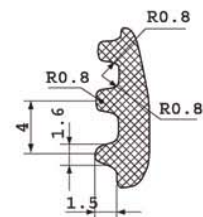
N95



E-80
E-95



E95/2



型号 Cat. No.	主要尺寸 Main dimension mm								泄漏距离 Leakage distance mm	最小 破坏负荷 Minimum breaking load kg	一分钟 湿耐压 One minute withstand voltage wet kV	重量 Weight kg
	D	H	D1	d min	d1 min	a	b	r				
E-80	80	87	42	19	21	38	30	9	120	1250	10	0.4
E-95	95	97	50	22	24	41	35	14	140	1250	10	0.55
E95/2	95	100	50	22	24	41	35	10	130+30	1250	10	0.625

型号 Cat. No.	泄漏距离 Leakage distance mm	最小破坏负荷 Minimum breaking load kg	一分钟湿耐压 One minute withstand voltage wet kV	重量 Weight kg
N80	120	1250	10	0.4
N95	140	1250	10	0.57

高压针式绝缘子

HIGH VOLTAGE PIN INSULATORS

SA
STANDARD

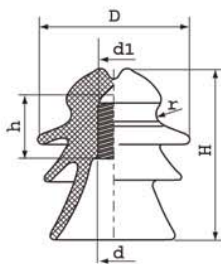


Fig 1

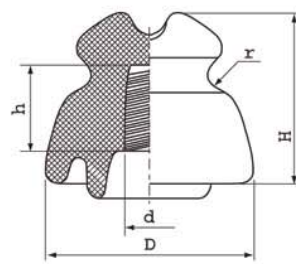


Fig 2

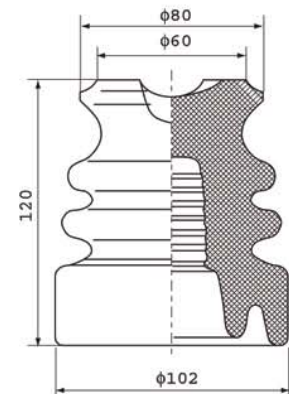


Fig 3

型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm					泄漏距离 Leakage distance mm	工频闪络电压 Power frequency flashover voltage		工频 击穿电压 Power-frequency puncture voltage kV	抗弯 破坏负荷 Cantilever failing load (dan)	重量 Weight kg
		H	D	d	h	r		干 Dry kV	湿 Wet kV			
CN918	2	75	80	23	33	7		40	12		600	0.40
CN919	2	95	105	26	48	9		50	20		900	0.90
CN920	2	120	135	26	48	12		55	30		1500	1.6
CN45	1	145	135	26/28	60	9	200	75	55	110	1500	1.6
CN46	1	160	160	26/28	80	9	320	85	65	120	1800	2.18
CN48	1	205	178	28/30	85	10	440	100	75	135	2000	3.14

型号 Cat. No.	额定电压 Voltage rating	工频闪络电压 Power frequency flashover voltage		击穿电压 Low frequency puncture voltage kV	临界冲击闪络电压 Critical Impulse flashover voltage 1.2 × 50μs		爬电距离 Leakage distance mm	抗弯破坏负荷 Cantilever failing load kN
		干闪 Day kV	湿闪 Wet kV		正 Positive kV	负 Negative kV		
N95-3	15	70	45	95	150	140	230	13.5

通讯线路针式绝缘子
PIN INSULATORS FOR TELEPHONE LINES

BS, DIN, IEC
STANDARD

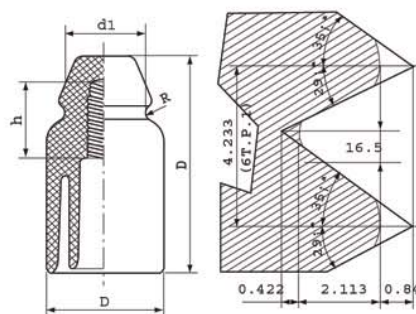


Fig 1

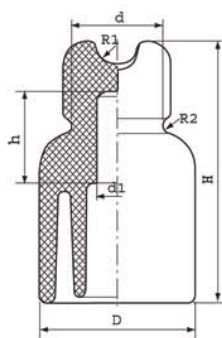


Fig 2

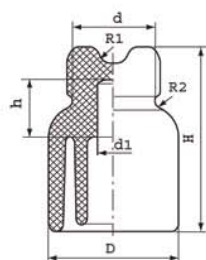


Fig 3

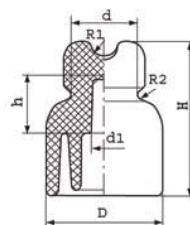


Fig 4

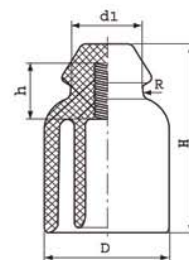


Fig 5

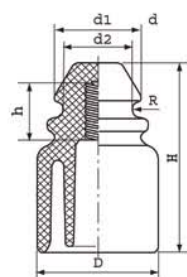


Fig 6

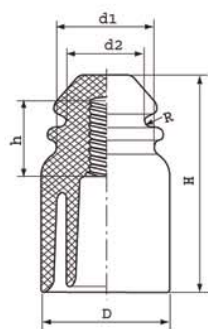


Fig 7

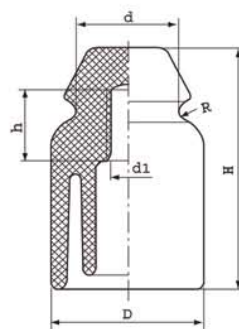


Fig 8

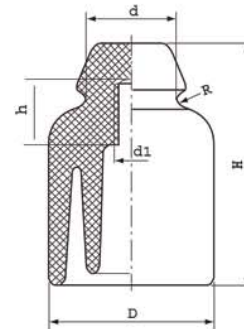


Fig 9

型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm							绝缘电阻 Insulation resistance	抗剪强度 Shearing Strength	重量 Weight
		H	h	D	d	d1	R1	R2	M	kgf	kg
RM-1	2	140	49.5	86	51	22.5	12	4	50000		1.1
RM-2	3	100	32	70	44	18.5	8.5	3.5	40000		0.5
RM-3	4	80	30	60	35	13	7	3	20000		0.3
T-4	8	95	31	60	40	13		4	40000	600	0.34
T-5	9	112	31	76	43	16.4		4	50000	800	0.60
NO 7	5	119	35	76	44	-		5	10000		0.67
NO 1	6	119	35	76	54	44		5	10000		0.62
NO 2	1	102	35	60	38	-		5	10000		0.38
NO 8	7	102	35	60	44	38		5	10000		0.40

线路用拉紧绝缘子
PORCELAIN STAY INSULATORS

AS
STANDARD

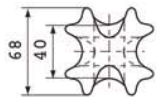
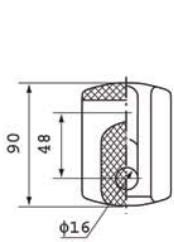


Fig 1

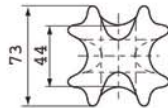
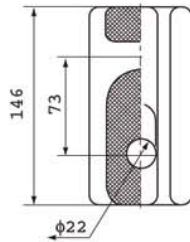


Fig 2

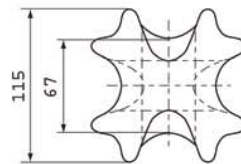
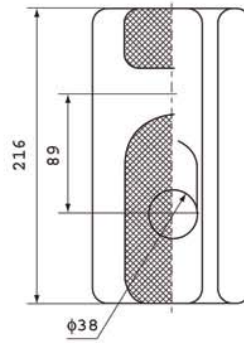


Fig 3

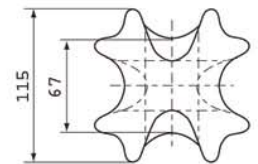
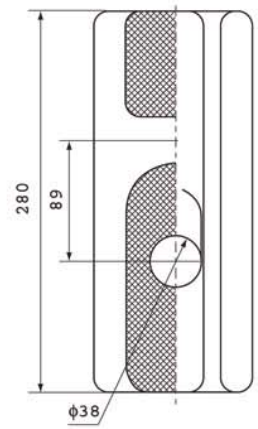


Fig 4

型号 Cat. No.	奥标等级 AS Class	图号 Fig.	工频湿耐电压 Wet power frequency Withstand voltage kV	钢丝绳号和金属线直径 Stand or wire rope dia. mm	绝缘子机械破坏负荷 Mechanical failing load kN
GY-1	J-2.7	1	10	7/2.75	27
GY-2	J-7	2	15	19/2.00	71
GY-3	J-16	3	20	19/2.75	222
GY-4	J-16B	4	30	19/2.75	222

线路用拉紧绝缘子
PORCELAIN STAY INSULATORS

SA
STANDARD

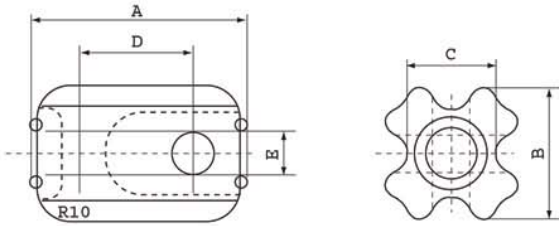


Fig 1

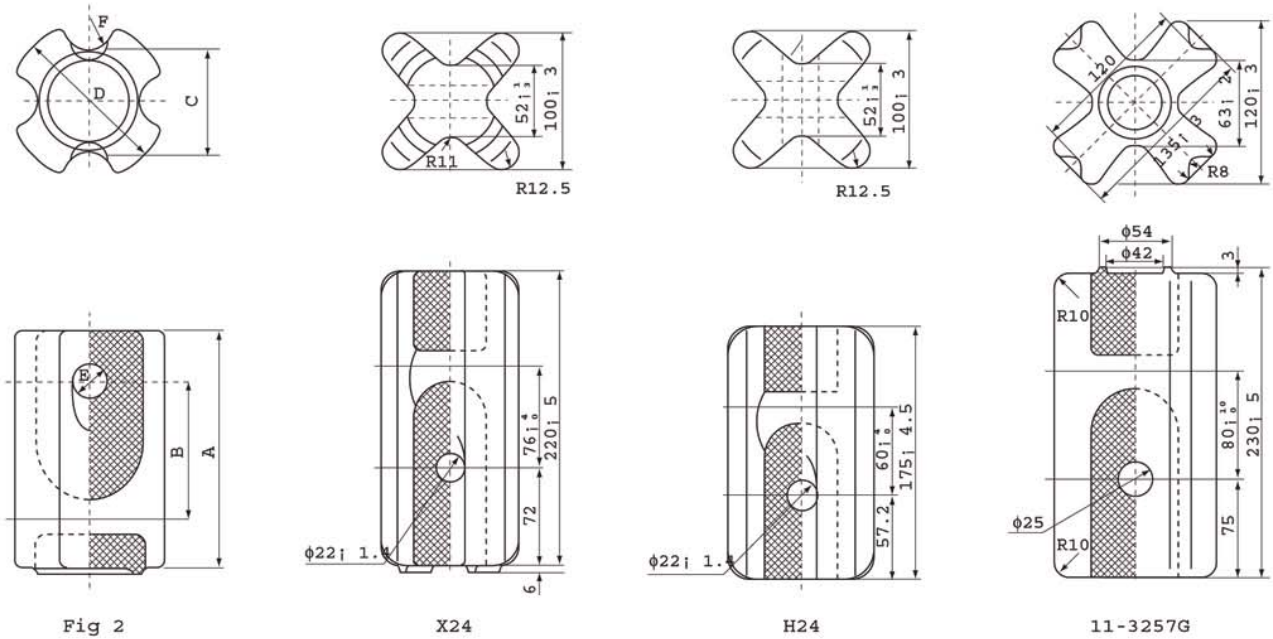


Fig 2

X24

H24

11-3257G

型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm						泄漏距离 Leakage distance mm	机械破坏负荷 Mechanical failing load kN	工频闪络电压 Low-frequency voltage		重量 Weight kg
		A	B	C	D	E	F			干 Dry kV	湿 Wet kV	
11.1354	1	78	35	25	44	14	32	18	25	12		
11.1075	1	95	57	37	50	19	48	45	45	15		
11.0522	1	136	85	60	62	19	63	110	110	18	2	
11.0521	1	190	85	60	72	25	63	110	110	23	4.9	
PS10	2	59	35	25.5	39.5	8	6.5				15.1	
PS9/3	2	60	26	25.5	38	8	6.5				20.6	
NEF-2-60	2	60	28	25.5	38	10	6.5					
NEF-2-58	2	58	24	23	37	8	6					
40 × 55	2	55	27	22.5	40	12	8					

拉紧瓷绝缘子
STAY PORCELAIN INSULATOR

ANSI
STANDARD

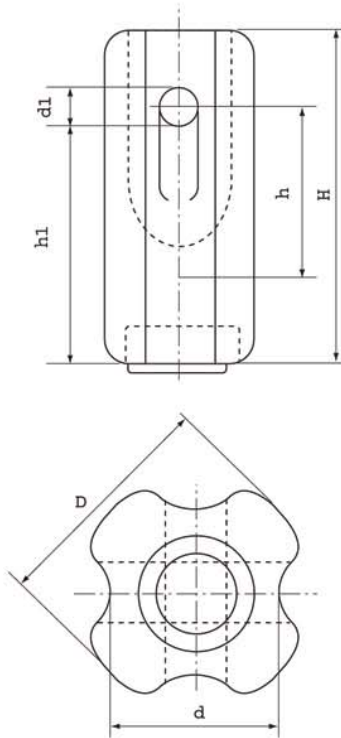


Fig 1

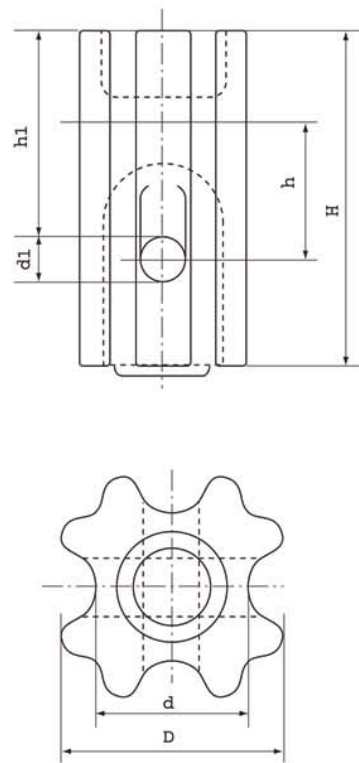


Fig 2

产品代号 Cat. No.	图号 Fig.	型号 Type	爬电距离 Creepage Distance mm	拉伸强度 Tensile strength kN	工频闪络电压 Power frequency voltage 50Hz kV		主要尺寸 Main dimension mm						重量 Weight kg	执行标准 Applicable standard
					干闪 Dry	湿闪 Wet	H	h	h1	D	d	d1		
71001	1	54-1	41	44	25	12	89	44	64	64	44	16	0.5	ANSI C29.4
71002	1	54-2	48	53	30	15	108	57	76	73	54	22	0.65	
71003	1	54-3	57	89	35	18	140	67	103	86	60	25	1.2	
71004	2	54-4	76	89	40	23	172	79	114	89	60	25	1.85	

线轴式绝缘子
SPOOL INSULATORS

ANSI
STANDARD

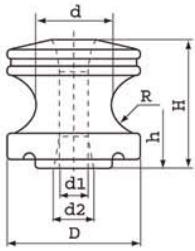


Fig 1

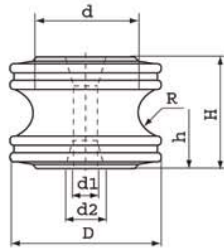


Fig 2

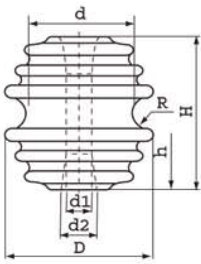


Fig 3

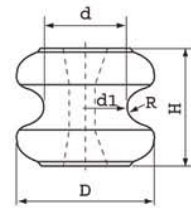


Fig 4

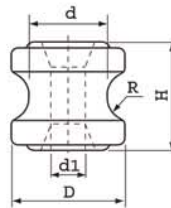


Fig 5

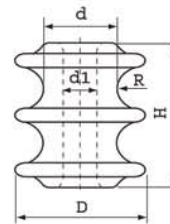


Fig 6

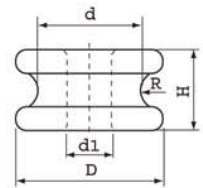


Fig 7

美标等级 ANSI Class	图号 Fig.	主要尺寸 Main dimension mm							机械破坏负荷 Transverse strength N	工频闪络电压 Power frequency voltage kV				重量 Weight (10pcs) kg
		H	h	D	d	d1	d2	R		干闪 Dry flashover	湿闪 Wet flashover			
											垂直 Vertical	水平 Horizontal		
53-1	2	54	27	57	45	18	22	11	8,900	20	8	10	2.2	
53-2	1	76	38	79	45	18	24	18	13,300	25	12	15	5.4	
53-3	2	81	40.5	76	45	18	24	11	17,800	25	12	15	5.9	
53-4	2	76	38	105	73	18	24	16	20,000	25	12	15	11.3	
53-5	3	105	52.5	102	73	18	24	11	26,700	35	18	25	11.8	
R-8	7	32		57	40	17.5		7			15	918	1.3	
R-6	6	80		70	40	18		7	240	12	18	1350	3.9	
R-2	5	76		80	54	17.5		17.5			18	2040	5.9	
R-1	5	54		57	39	17.5		11			18	918	2.4	
1617	4	65		76	46	17.5		9	9000	20	9	9	3.9	
1617-1	4	65		78		17.5		17.5						
1617-2	4	67		73		16		14.3						
1618-1	4	75		89	52	17		13	10000	20	9	9		
1618-2	4	75		89	52	17		12.5	13000	25	12	12		
1618-3	4	88		95		22		16						

蝶式绝缘子
PORCELAIN SHACKLE INSULATORS

IEC, SA
STANDARD

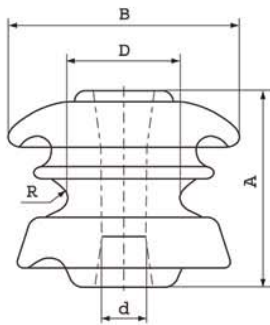


Fig 1

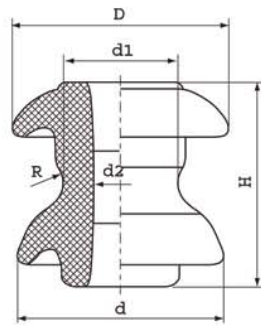


Fig 2

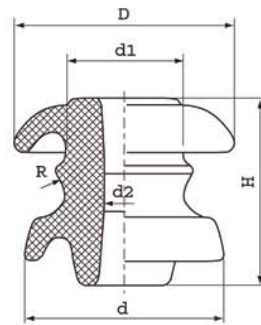


Fig 3

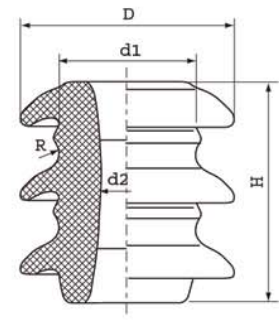


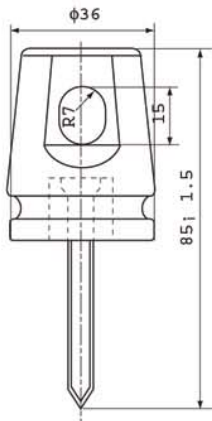
Fig 4

型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm					干闪电压 Dry withstand voltage kV	湿闪电压 Wet withstand voltage kV	击穿电压 puncture voltage kV	机械破坏负荷 Mechanical failing load kN	Packing	
		A	B	D	d	R					NO. Per	Mass kg
S.03	1	57	63	35	11	5	17	8	25	6.25	100	23
S.05	1	75	88	41	17	8	22	11	33	17.80	24	16
S.1	1	88	100	57	18	13	26	14	39	17.80	24	20
S.2	1	100	114	63	21	16	35	19	52	22.25	12	16

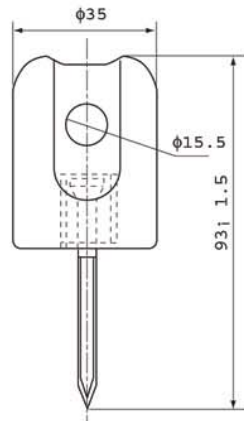
型号 Cat. No.	图号 Fig.	主要尺寸 Main dimension mm						机械破坏负荷 Mechanical failing load kN	工频闪络电压 Power frequency voltage		重量 Weight kg	釉色 Glaze color
		H	D	d	d1	d2	R		干 Dry kV	湿 Wet kV		
ED-1	2	90	100	95	50	22	12	1200	22	10	0.75	白 White
ED-2	2	75	80	75	42	20	10	1000	18	9	0.40	白 White
ED-3	2	65	70	65	36	16	8	800	16	7	0.25	白 White
ED-4	2	50	60	55	30	16	6	500	14	6	0.15	白 White
ED-2(B)	3	76/3"	89/3 1/2"	83/3 9/32"	48/1 7/8"	21/1 13/16"	10/1 13/16"	1300	-	-	0.48	棕 Brown
ED-2(B)1	3	76/3"	89/3 1/2"	83/3 9/32"	48/1 7/8"	17.5/1 11/16"	10/1 13/23"	1300	-	-	0.50	棕 Brown
ED-2(C)	4	80/3 5/32"	80/3 5/32"	-	50/2"	22/7 7/8"	6/1 1/4"	1350	25	12	0.47	棕 Brown

布线及其他绝缘子
WIRING AND OTHER INSULATORS

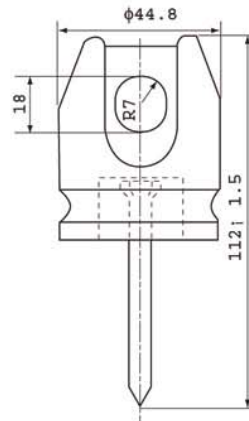
DIN
STANDARD



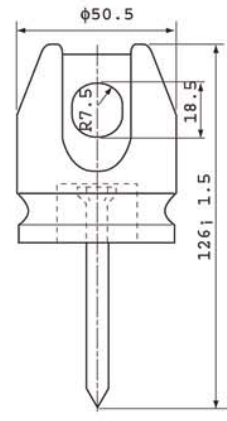
801



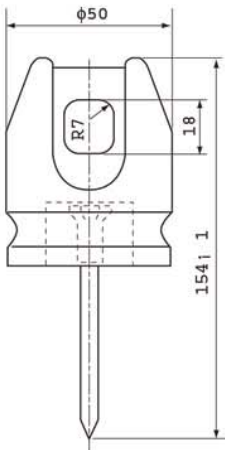
801-1



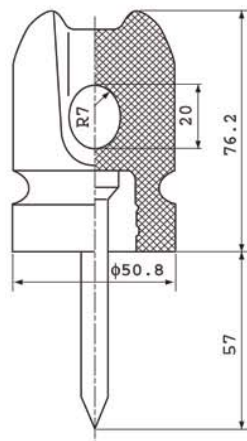
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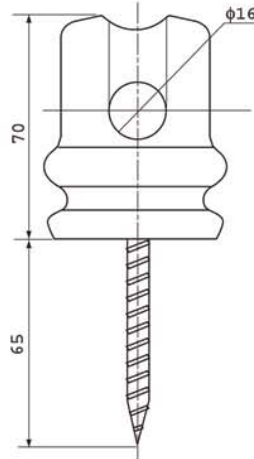
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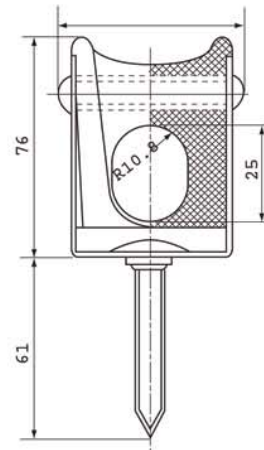
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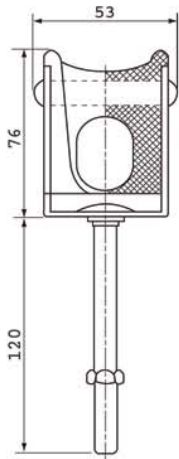
802-3



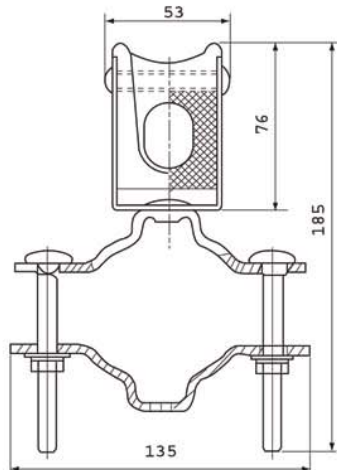
802-3A



802-4



802-4B



802-5

ART. NO	QTY/CTN	G.W./N.W. kg	MEAS. cm
HT-410	320PCS	24/22	39 × 27 × 20
A-11	100PCS	22/30	52 × 30 × 23