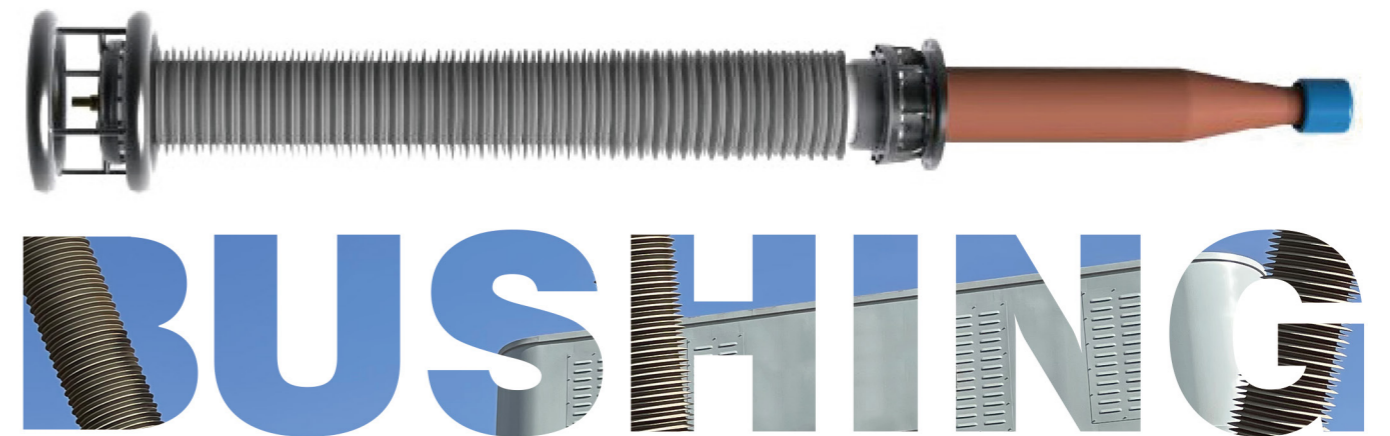
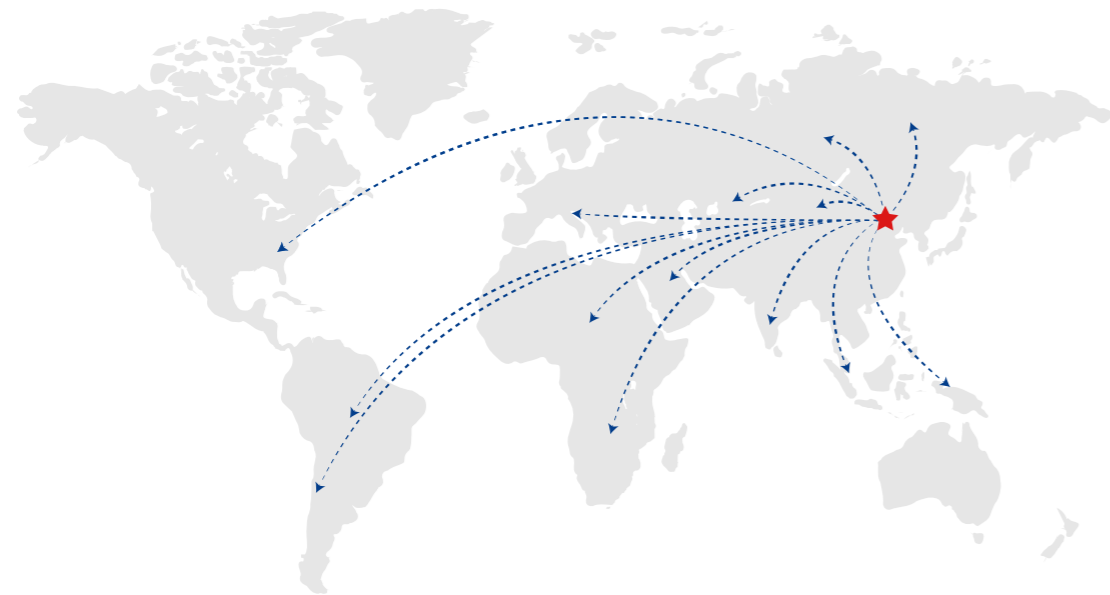




# Technical Selection Manual

技术选型手册



博世因 (北京) 高压电气有限公司

**BUSHING(BEIJING) HV ELECTRIC CO.,LTD**

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博世因（北京）高压电气有限公司专注于各种功能的胶浸纤维（玻璃钢）及胶浸纸干式电容型套管的研究、生产、销售和服务。公司技术研发实力雄厚，拥有国际一流的生产、检测设备。专业生产 1200kV 及以下胶浸纤维及胶浸纸干式电容型变压器套管、GIS 出线套管、油 /SF<sub>6</sub> 套管、油 / 油套管、大电流套管、箱变套管和穿墙套管等系列产品。该系列产品具有无油、无气、防潮、环保、免维护、抗机械应力及耐污闪能力极强，便于安装等诸多优点，是传统油纸电容型套管的理想换代产品。

公司产品搭载全生命周期在线监测管理系统，满足各类用户的使用需求。

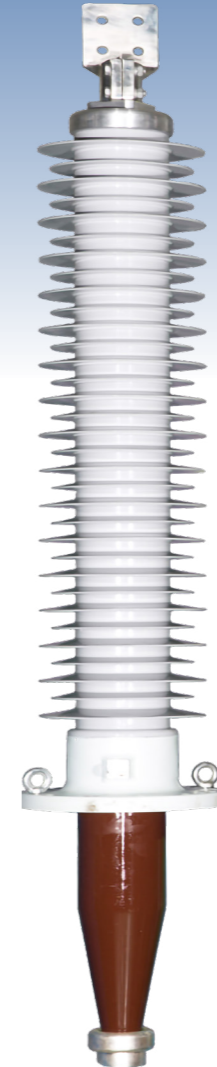
Bushing(Beijing) focuses on the research and development, production, sales, and service of various functional RIF/RIS (Resin Impregnated Fiber) and RIP(Resin Impregnated Paper) dry-type condenser bushings. We specialize in producing a series of products including 1200kV and below RIF/RIS and RIP dry-type condenser Transformer bushing, GIS bushing, Oil/SF<sub>6</sub> bushing, Oil/Oil bushing, High current bushing, Substation transformer bushing, and Wall bushing. Our products are oil-free, gas-free, moisture-proof, environmentally friendly, maintenance free, excellent mechanical strength and resistance to pollution flashover ability, and easy installation. Our products are ideal replacement of traditional OIP bushing.

Our products are equipped with the whole life cycle online monitoring and management system to meet the customers' needs.

不断创新，追求卓越  
**WE CREATE WE OUTSTANDING**



# PRODUCTS



**变压器套管**

额定电压 (Um) : 12kV~1200kV  
±12kV~±1200kV  
额定电流 : 630A~8000A

**Transformer Bushing**

Voltage(Um) : 12kV~1200kV  
±12kV~±1200kV  
Current : 630A~8000A

**油/SF<sub>6</sub> 套管**

额定电压 (Um) : 40.5kV~800kV  
额定电流 : 630A~5000A

**Oil/SF<sub>6</sub> Bushing**

Voltage(Um) : 40.5kV~800kV  
Current : 630A~5000A

**换流变套管**

额定电压 (Um) : ±200~±800kV  
额定电流 : 6350A

**Converter Transformer Bushing**

Voltage(Um) : ±200~±800kV  
Current : 6350A

**油 / 油套管**

额定电压 (Um) : 72.5kV~800kV  
额定电流 : 630A~4000A

**Oil/Oil Bushing**

Voltage(Um) : 72.5kV~800kV  
Current : 630A~4000A

**断路器套管**

额定电压 (Um) : 24kV~1100kV  
额定电流 : 630A~8000A

**Circuit Breaker Bushing**

Voltage (Um): 24kV~1100kV  
Current : 630A~8000A

**GIS 出线套管**

额定电压 (Um) : 40.5kV~1100kV  
额定电流 : 630A~8000A

**GIS Bushing**

Voltage(Um) :40.5kV~1100kV  
Current :630A~8000A

**穿墙套管**

额定电压 (Um) : 12kV~1200kV  
±12kV~±1200kV  
额定电流 : 630A~8000A

**Wall Bushing**

Voltage(Um) : 12kV~1200kV  
±12kV~±1200kV  
Current : 630A~8000A

**大电流套管**

额定电压 (Um) : 12kV~40.5kV  
额定电流 : 10000A~40000A

**High Current Bushing**

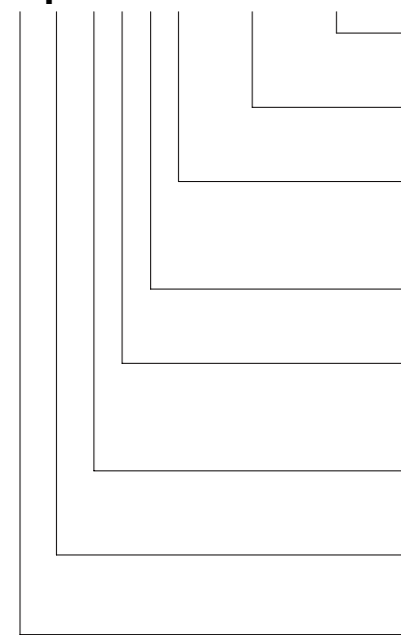
Voltage(Um) : 12kV~40.5kV  
Current : 10000A~40000A

# RIP

## 胶浸纸产品 PRODUCTS

### 产品型号 PRODUCT TYPE

F P B R W L - \*\*\* / \*\*\*\*



额定电流 (A)  
Rated current(A)

额定电压 (kV)  
Rated voltage(kV)

预留 CT 安装位置 (不带 CT 则无)  
Reserved CT installation position  
(without if there is no CT)

加强型  
Enhanced type

电容型 (非电容型则无)  
Condenser type  
non-condenser type without

变压器 (电抗器) 套管  
Transformer/Reactor Bushing

环氧树脂浸渍皱纹纸 (RIP)  
Resin impregnated paper(RIP)

复合外绝缘 (瓷外绝缘则无)  
Composite(Not required for Porcelain)

变压器 (电抗器) 套管  
B: Transformer/Reactor Bushing

穿墙套管  
C: Wall Bushing

油 / 油套管  
O: Oil/Oil Bushing

油 /SF<sub>6</sub> 套管  
OG: Oil/SF<sub>6</sub> Bushing

GIS 出线套管  
G: GIS Bushing

断路器套管  
D: Circuit breaker Bushing

结构特征: 可否装电流互感器 :L- 可装; 不可装设时不表示  
Structural features: Whether the current transformer  
can be installed: L-can be installed;  
it does not indicate when it cannot be installed:

特征数字: 额定电压千伏数 (kV) 容额定电流安培数 (A)  
Characteristic number; rated voltage kilovolts(kV)  
rated current amperes(A)

### 产品范围 PRODUCT RANGE

( 变压器 / 电抗器套管 )Transformer/Reactor Bushing

Um:12kV-1200kV Ir:630A-8000A

( 变压器 / 电抗器套管 )Transformer/Reactor Bushing

Um:24kV-40.5kV Ir:10000A-40000A

( 油 / 油套管 )Oil/Oil Bushing

Um:72.5kV-800kV Ir:630A-4000A

( 油 /SF<sub>6</sub> 套管 )Oil/SF<sub>6</sub> Bushing

Um:40.5kV-800kV Ir:630A-5000A

(GIS 套管 )GIS Bushing

Um:40.5kV-1100kV Ir:630A-8000A

( 穿墙套管 )Wall Bushing

Um:12kV-1200kV Ir:630A-8000A

例: 复合外绝缘 252kV/1250A 的变压器套管, 可装设电流互感器, 其型号为 :FPBRWL-252/1250

Example:252kV/1250A transformer bushing with composite outer insulator,can be assembled with current transformer,type:FPBRWL-252/1250



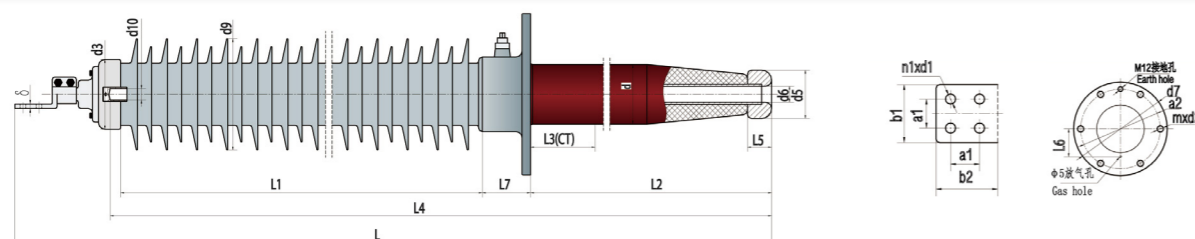
胶浸纸干式电容型变压器 / 电抗器套管电气参数

RIP Dry-type Condenser Transformer/Reactor Bushing Electrical Specification

额定电压 Rated voltage (Um)	12	24	40.5	52	72.5	123/126	145	170	245/252	362/363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	39	61	95	105	155	255	305	355	505	560/625	695	750
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	75	125	200	250	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	630 ~ 40000											
介质损耗角正切 (%) Dielectric dissipation factor(tan)	增值					在 $1.05Um/\sqrt{3}$ 和 $Um$ 间 $\leq 0.1$						
	最大值					在 $1.05Um/\sqrt{3}$ 下测量 $\leq 0.7$						
Um 电压下局部放电量 (pC) Partial discharge at Um	$\leq 10$											
抽头对地耐受电压 (kV) Test tap insulation test	2											

胶浸纸干式电容型变压器 / 电抗器套管 (穿缆式) (硅橡胶复合外绝缘)

RIP Dry-type Condenser Transformer/Reactor Bushing (Draw lead) (Composite)



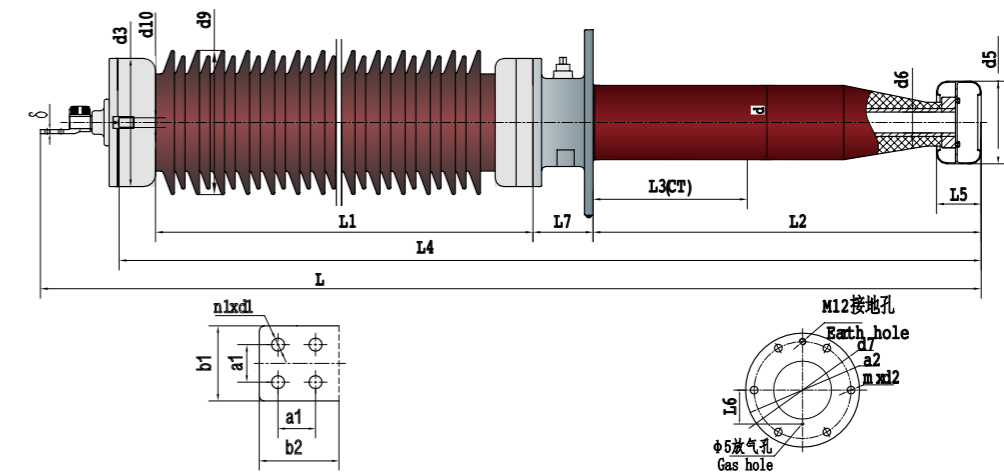
主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side					重量 Weight	
		型号 Type	L	n1xd1	a1	b1xb2	δ	L4	d3	d10	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3		L5
FPBRW-24/630	785	4x14	30	63x65	11	550	120	28	300	240	215	180	6x14	80	63	145	93	/	25	90	40	15
FPBRW-24/1250	800	4x14	40	80x80	13	550	120	32	300	240	215	180	6x14	80	63	145	93	/	25	90	50	17
FPBRW-40.5/630	1020	4x14	30	63x65	11	775	120	28	450	240	215	180	6x16	80	63	225	93	/	25	90	40	19
FPBRW-40.5/1250	1035	4x14	40	80x80	13	775	120	32	450	240	215	180	6x16	80	63	225	93	/	25	90	50	20
FPBRWL-72.5/630	1880	4x14	40	80x80	11	1653	125	28	740	240	290	250	6x18	120	67	780	100	400	60	110	38	30
FPBRWL-72.5/1250	1900	4x18	50	100x100	13	1653	145	32	740	260	290	250	6x18	120	77	780	120	400	60	110	50	35
FPBRWL-126/630	2485	4x14	40	80x80	11	2255	173	28	1190	278	400	350	6x24	130	72	900	110	400	60	120	38	55
FPBRWL-126/1250	2495	4x18	50	100x100	13	2255	173	32	1190	278	400	350	6x24	130	84	900	135	400	60	120	50	65
FPBRWL-145/630	2635	4x14	40	80x80	11	2630	155	28	1300	298	400	350	6x24	130	82	960	130	400	90	140	38	65
FPBRWL-145/1250	2655	4x18	50	100x100	13	2630	175	32	1390	298	400	350	6x24	130	91	960	148	400	90	140	50	75
FPBRWL-252/630	3835	4x14	40	80x80	13	3640	255	28	2255	370	550	500	12x24	185	130	1160	225	400	130	245	60	260
FPBRWL-252/1250	3855	4x18	50	100x100	13	3640	255	32	2255	406	550	500	12x24	180	130	1160	225	400	130	245	60	270

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (穿缆式) (瓷外绝缘)

RIP Dry-type Condenser Transformer/Reactor Bushing (Draw lead) (Porcelain)

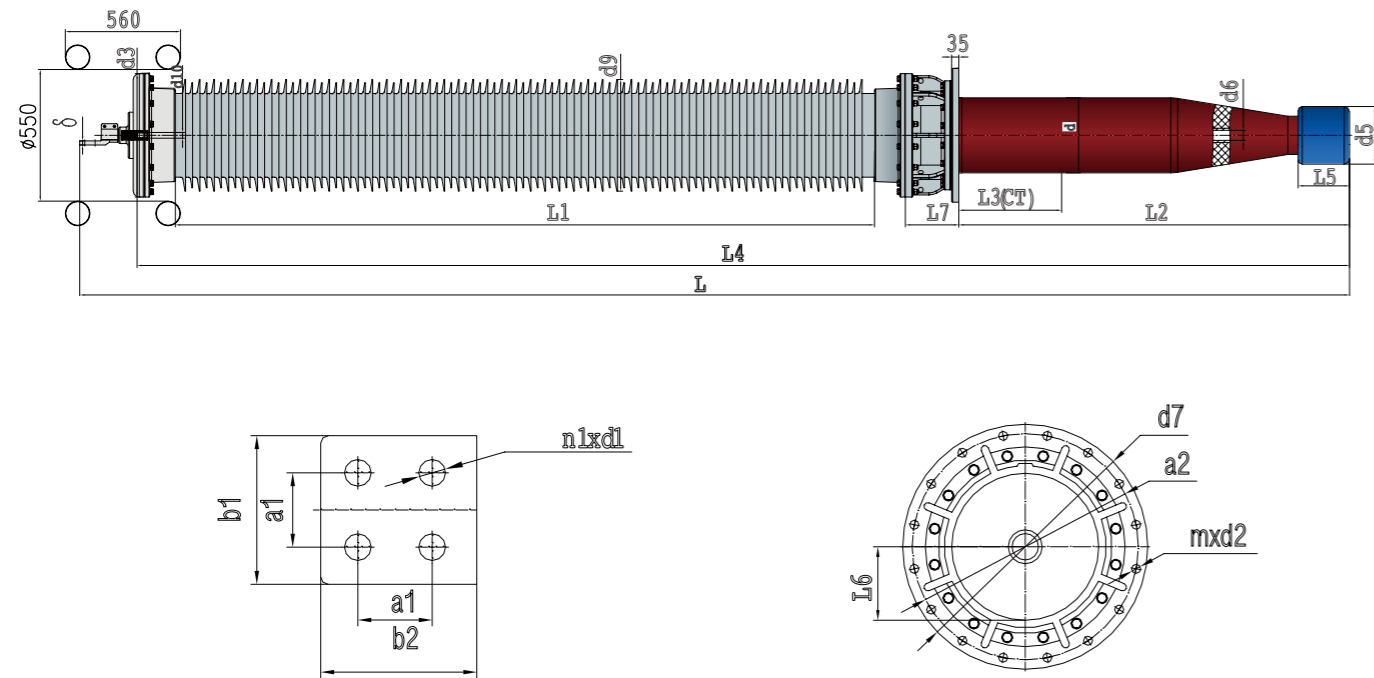


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side					重量 Weight	
		型号 Type	L	n1xd1	a1	b1xb2	δ	L4	d3	d10	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3		L5
PBRW-24/630	848	4x14	30	63x65	11	584	173	28	300	274	215	180	6x14	100	63	150	93	/	30	90	40	25
PBRW-24/1250	863	4x14	40	80x80	13	584	173	32	300	274	215	180	6x14	100	63	150	93	/	30	90	50	27
PBRW-40.5/630	1005	4x14	30	63x65	11	818	173	28	450	274	215	180	6x16	100	63	230	93	/	30	90	40	40
PBRW-40.5/1250	1018	4x14	40	80x80	13	818	182	32	450	283	235	200	6x16	100	63	230	93	/	30	90	50	42
PBRWL-72.5/630	1890	4x14	40	80x80	11	1670	240	28	700	300	325	280	6x20	120	67	780	100	400	60	110	38	95
PBRWL-72.5/1250	1910	4x18	50	100x100	13	1670	270	32	700	345	325	280	6x20	120	77	790	120	400	60	110	50	96
PBRWL-126/630	2530	4x14	40	80x80	11	2305	223	28	1150	300	400	350	6x24	130	72	900	110	400	60	120	38	188
PBRWL-126/1250	2550	4x18	50	100x100	13	2305	223	32	1150	345	400	350	6x24	130	84	900	135	400	60	120	50	190
PBRWL-145/630	2735	4x14	40	80x80	11	2515	340	28	1300	350	400	350	6x24	130	82	960	130	400	60	150	40	235
PBRWL-145/1250	2755	4x18	50	100x100	13	2515	340	32	1300	360	400	350	6x24	130	91	960	148	400	60	150	50	255
PBRWL-252/630	3925	4x14	40	80x80	11	3588	380	28	2140	430	550	500	16x22	175	130	1160	225	400	130	245	60	620
PBRWL-252/1250	3945	4x18	50	100x100	13	3588	380	32	2140	430	550	500	16x22	175	130	1160	225	400	130	245	60	650

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (穿缆式) (硅橡胶复合外绝缘)  
RIP Dry-type Condenser Transformer Bushing (Draw lead) (Composite)

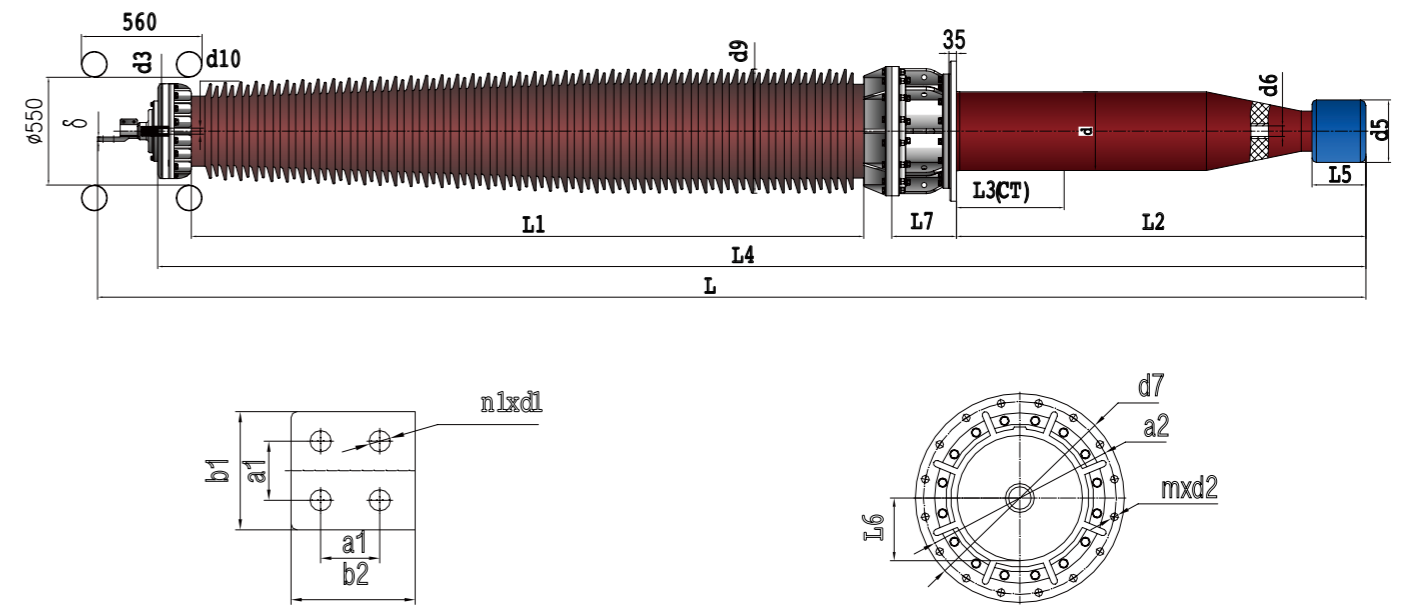


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side						重量 Weight
型号Type	L	n1xd1	a1	b1xb2	delta	L4	d3	d10	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	kg
FPBRWL-363/630	5525	4x18	50	100x100	20	5230	400	28	3120	470	610	560	12x24	220	157	1625	280	500	260	290	60	1100
FPBRWL-363/1250	5525	4x18	50	100x100	20	5230	400	32	3120	470	610	560	12x24	220	157	1625	280	500	260	290	60	1150
FPBRWL-420/630	6220	4x18	50	100x100	20	5925	420	28	3720	490	610	560	12x24	220	167	1720	300	500	260	290	70	1300
FPBRWL-420/1250	6220	4x18	50	100x100	20	5925	420	32	3720	490	610	560	12x24	220	167	1720	300	500	260	290	70	1350
FPBRWL-550/630	7485	4x18	50	100x100	20	7235	500	28	4700	625	680	630	16x24	230	199	1995	365	600	280	350	80	1600
FPBRWL-550/1250	7485	4x18	50	100x100	20	7235	500	32	4700	625	680	630	16x24	230	199	1995	365	600	280	350	80	1650
FPBRWL-1200/1250	12280	6X18	60	170X10	20	11100	940	32	7505	920	1200	1130	16x24	455	500	3000	6000	800	340	400	100	7000

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (穿缆式) (瓷外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Draw lead) (Porcelain)

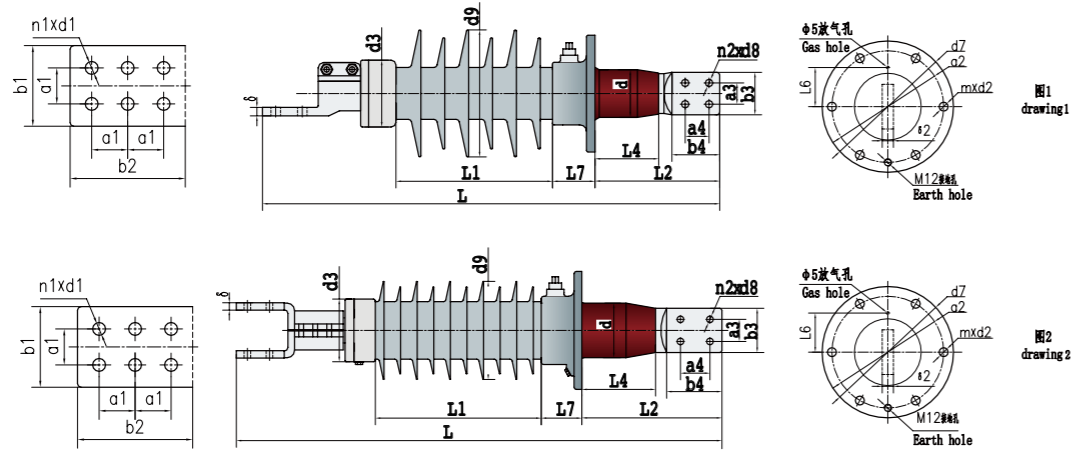


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side						重量 Weight
型号Type	L	n1xd1	a1	b1xb2	delta	L4	d3	d10	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	kg
PBRWL-363/630	5525	4x18	50	100x100	20	5230	485	28	3120	515	610	560	12x24	220	157	1625	280	500	260	290	60	1200
PBRWL-363/1250	5525	4x18	50	100x100	20	5230	485	32	3120	515	610	560	12x24	220	157	1625	280	500	260	290	60	1250
PBRWL-420/630	6220	4x18	50	100x100	20	5925	485	28	3720	535	610	560	12x24	220	167	1720	300	500	260	290	70	1600
PBRWL-420/1250	6220	4x18	50	100x100	20	5925	485	32	3720	535	610	560	12x24	220	167	1720	300	500	260	290	70	1650
PBRWL-550/630	7485	4x18	50	100x100	20	7235	500	28	4700	625	680	630	16x24	230	199	1995	365	600	280	350	80	2300
PBRWL-550/1250	7485	4x18	50	100x100	20	7235	500	32	4700	625	680	630	16x24	230	199	1995	365	600	280	350	80	2350
FPBRWL-750/1250	9700	8X13	45	170X10	20	9120	500	32	5935	685	1200	1130	16X24	325	985	2720	450	820	280	400	90	3500

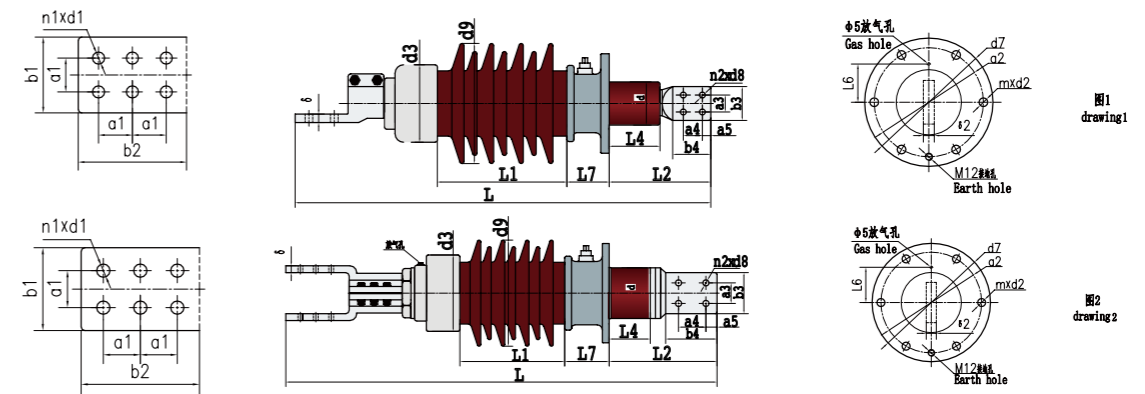
注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (载流式) (硅橡胶复合外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Composite)



胶浸纸干式电容型变压器 / 电抗器套管 (载流式) (瓷外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Porcelain)



主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side						重量 Weight		
型号Type	L	n1xd1	a1	b1xb2	δ	d3	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L4	b3	b4	a3	a4	a5	n2xd8	δ2	kg
FPBRW-24/630	780	4x14	30	63x63	13	98	295	195	190	160	6x14	70	63	200	93	120	40	65	/	30	15	2x14	20	13
FPBRW-24/1250	800	4x14	40	80x80	13	108	295	205	215	180	6x14	80	63	200	93	120	40	65	/	30	15	2x14	20	15
FPBRW-24/1600	835	4x18	50	100x100	16	108	295	205	215	180	6x14	80	63	240	93	120	65	90	/	45	20	2x14	20	16
FPBRW-24/2000	880	4x18	50	100x100	16	108	295	205	215	180	6x14	80	63	240	93	120	80	90	40	45	20	4x14	20	22
FPBRW-24/3150	905	4x18	60	125x125	20	123	295	220	235	200	6x16	80	67	240	102	120	80	90	40	45	20	4x14	20	30
FPBRW-24/4000	940	6x18	50	112x160	20	123	295	220	235	200	6x16	80	67	240	102	120	120	90	70	45	20	4x14	20	40
FPBRW-24/6300	965	6x18	60	120x185	20	173	300	276	290	250	6x18	80	74	315	116	120	120	150	60	80	32.5	4x18	30	65
FPBRW-24/8000	895	6x18	60	180x130	20	173	300	276	290	250	6x18	80	91	295	148	120	160	130	50	60	32.5	6x18	30	75
FPBRW-40.5/630	1052	4x14	40	80x80	13	108	440	205	215	180	6x14	80	63	285	93	200	40	65	/	30	15	2x14	20	20
FPBRW-40.5/1250	1072	4x14	40	80x80	13	123	470	220	235	200	6x16	80	63	285	93	200	40	65	/	30	15	2x14	20	22
FPBRW-40.5/2000	1102	4x18	50	100x100	16	123	470	220	235	200	6x16	80	67	315	102	200	80	90	40	45	20	4x14	20	25
FPBRW-40.5/3150	1150	4x18	60	125x125	20	128	470	232	235	200	6x16	80	74	320	116	200	80	90	40	45	20	4x14	20	32
FPBRW-40.5/4000	1182	6x18	50	112x160	20	138	480	242	290	250	6x18	80	74	320	116	200	120	90	70	45	20	4x14	20	45
FPBRW-40.5/5000	1270	6x18	50	112x130	20	173	455	276	290	250	6x18	80	91	345	148	200	110	100	50	50	25	4x14	25	85
FPBRW-40.5/6300	1330	6x18	60	120x185	20	184	480	308	400	350	6x24	130	91	395	148	200	120	150	60	80	32.5	4x18	30	100
FPBRW-40.5/8000	1255	6x18	60	180x130	20	184	480	308	400	350	6x24	130	95	375	162	200	160	130	50	60	32.5	6x18	30	120

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

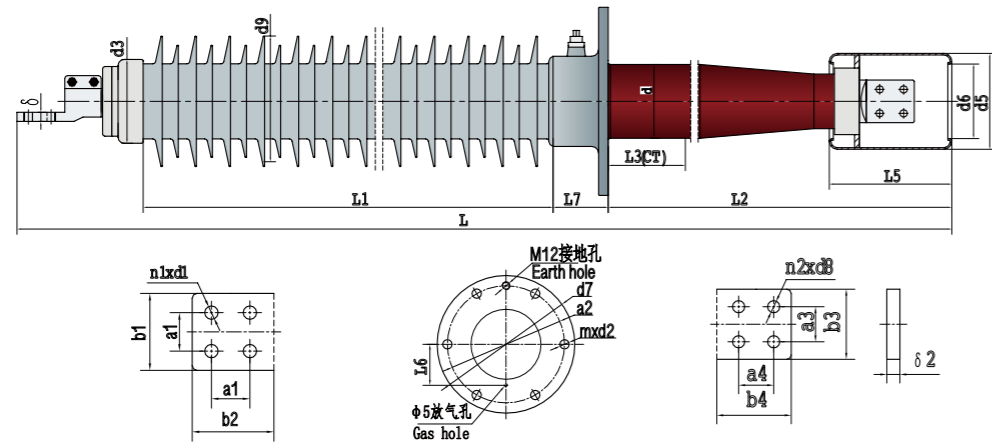
Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side						重量 Weight		
型号Type	L	n1xd1	a1	b1xb2	δ	d3	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L4	b3	b4	a3	a4	a5	n2xd8	δ2	kg
PBRW-24/630	815	4x14	30	63x65	13	180	300	264	215	180	6x14	110	63	200	93	120	40	65	/	30	15	2x14	20	32
PBRW-24/1250	830	4x14	40	80x80	13	180	300	264	215	180	6x14	110	63	200	93	120	40	65	/	30	15	2x14	20	35
PBRW-24/1600	850	4x18	50	100x100	16	180	300	264	215	180	6x14	110	63	215	93	120	65	90	/	45	20	2x14	20	40
PBRW-24/2000	865	4x18	50	100x100	16	180	300	275	215	180	6x14	110	67	235	102	120	80	90	40	45	20	4x14	20	45
PBRW-24/3150	940	4x18	60	125x125	20	183	305	285	235	200	6x16	100	74	240	116	120	80	90	40	45	20	4x14	20	53
PBRW-24/4000	975	6x18	50	112x160	20	183	305	285	235	200	6x16	100	74	240	116	120	120	90	70	45	20	4x14	20	65
PBRW-24/6300	1035	6x18	60	120x185	20	238	305	320	290	250	6x18	130	91	295	148	120	120	150	60	80	32.5	4x18	30	95
PBRW-24/8000	960	6x18	60	180x130	20	238	305	320	290	250	6x18	130	91	295	148	120	160	130	50	60	32.5	6x18	30	110
PBRW-40.5/630	1045	4x14	40	80x80	13	183	455	284	235	200	6x16	100	63	285	93	200	40	65	/	30	15	2x14	20	50
PBRW-40.5/1250	1080	4x14	40	80x80	13	183	455	284	235	200	6x16	100	63	285	93	200	40	65	/	30	15	2x14	20	55
PBRW-40.5/2000	1095	4x18	50	100x100	16	183	455	284	235	200	6x16	100	67	315	102	200	80	90	40	45	20	4x14	20	60
PBRW-40.5/3150	1170	4x18	60	125x125	20	183	455	284	235	200	6x16	100	71	315	110	200	80	90	40	45	20	4x14	20	75
PBRW-40.5/4000	1205	6x18	50	112x160	20	189	455	298	290	250	6x18	120	74	320	116	200	120	90	70	45	20	4x14	20	85
PBRW-40.5/6300	1265	6x18	60	120x185	20	238	455	334	400	350	6x24	130	95	395	162	200	120	150	60	80	32.5	4x18	30	110
PBRW-40.5/8000	1190	6x18	60	180x130	20	238	455	334	400	350	6x24	130	95	375	162	200	160	130	50	60	32.5	6x18	30	130

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (载流式) (硅橡胶复合外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Composite)

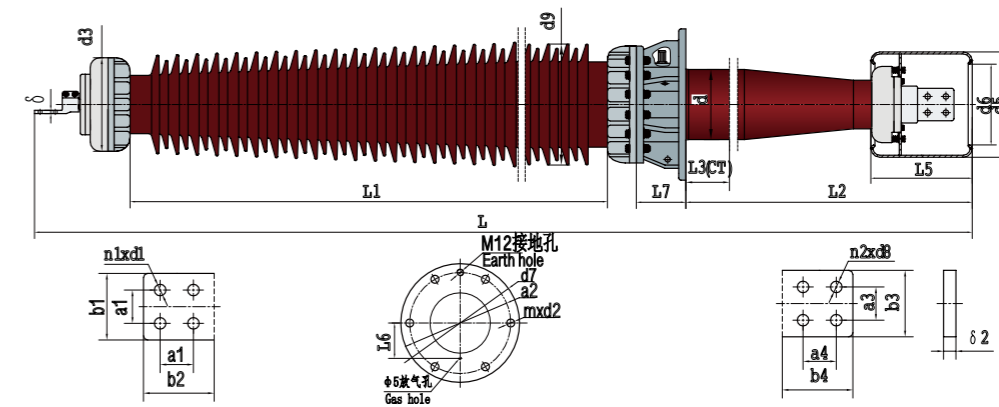


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange					油端 Oil side					重量 Weight					
型号 Type	L	n1xd1	a1	b1xb2	δ	d3	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	b3	b4	a3	a4	a5	n2xd8	δ2	kg
FPBRWL-72.5/1600	2065	4×18	50	100×100	16	145	740	260	290	250	6×24	120	77	940	120	400	220	175	145	65	85	/	45	20	2×14	20	65
FPBRWL-72.5/2000	2080	4×18	50	100×100	16	145	740	260	290	250	6×24	120	77	940	120	400	230	175	145	80	85	/	45	20	4×14	20	75
FPBRWL-72.5/2500	2105	4×18	60	125×125	20	145	740	260	290	250	6×24	120	77	940	120	400	230	175	145	80	85	40	45	20	4×14	20	85
FPBRWL-72.5/3150	2105	4×18	60	125×125	20	158	740	285	400	350	6×24	120	85	940	135	400	230	180	150	80	85	40	45	20	4×14	20	90
FPBRWL-126/1600	2670	4×18	50	100×100	16	184	1200	308	400	350	6×24	130	85	1080	135	400	220	180	150	65	85	/	45	20	2×14	20	90
FPBRWL-126/2000	2680	4×18	50	100×100	16	184	1200	308	400	350	6×24	130	85	1080	135	400	230	180	180	80	85	/	45	20	4×14	20	95
FPBRWL-126/2500	2705	4×18	60	125×125	20	184	1200	308	400	350	6×24	130	91	1100	150	400	270	260	200	80	85	40	45	20	4×14	20	105
FPBRWL-126/3150	2705	4×18	60	125×125	20	184	1200	308	400	350	6×24	130	91	1100	150	400	270	260	200	80	85	40	45	20	4×14	20	115
FPBRWL-252/1600	3910	4×18	50	100×100	16	285	2240	340	550	500	12×24	185	130	1235	225	400	240	250	200	65	85	/	45	20	2×14	20	280
FPBRWL-252/2000	3925	4×18	50	100×100	16	285	2240	340	550	500	12×24	185	130	1250	225	400	240	250	200	80	85	/	45	20	4×14	20	290
FPBRWL-252/2500	3950	4×18	60	125×125	20	285	2240	340	550	500	12×24	185	130	1250	225	400	240	250	185	80	85	40	45	20	4×14	20	310
FPBRWL-252/3150	3950	4×18	60	125×125	20	255	2240	340	550	500	12×24	185	130	1250	225	400	240	250	185	80	85	40	45	20	4×14	20	330

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (载流式) (瓷外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Porcelain)

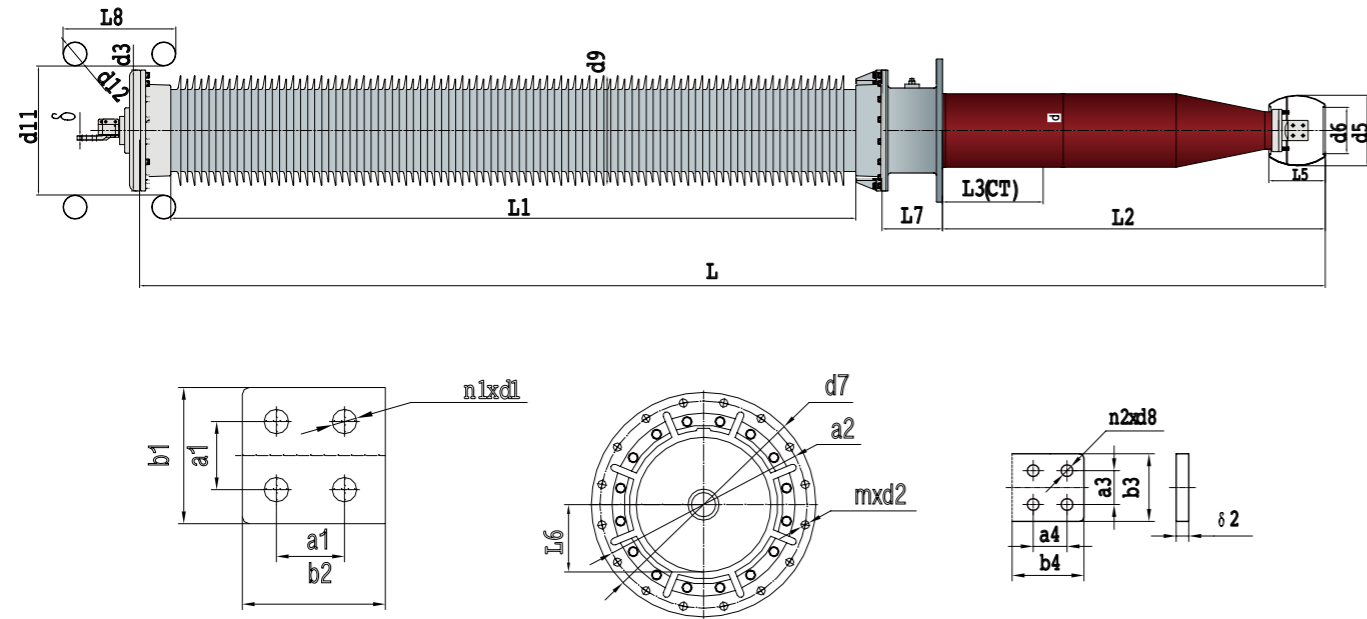


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange					油端 Oil side					重量 Weight					
型号 Type	L	n1xd1	a1	b1xb2	δ	d3	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	b3	b4	a3	a4	a5	n2xd8	δ2	kg
PBRWL-72.5/1600	2065	4×18	50	100×100	16	145	740	260	290	250	6×24	120	77	940	120	400	220	175	145	65	85	/	45	20	2×14	20	130
PBRWL-72.5/2000	2080	4×18	50	100×100	16	145	740	260	290	250	6×24	120	77	940	120	400	230	175	145	80	85	/	45	20	4×14	20	140
PBRWL-72.5/2500	2105	4×18	60	125×125	20	145	740	260	290	250	6×24	120	77	940	120	400	230	175	145	80	85	40	45	20	4×14	20	146
PBRWL-72.5/3150	2105	4×18	60	125×125	20	158	740	285	400	350	6×24	120	85	940	135	400	230	180	150	80	85	40	45	20	4×14	20	157
PBRWL-126/1600	2670	4×18	50	100×100	16	184	1200	308	400	350	6×24	130	85	1080	135	400	220	180	150	65	85	/	45	20	2×14	20	172
PBRWL-126/2000	2680	4×18	50	100×100	16	184	1200	308	400	350	6×24	130	85	1080	135	400	230	180	180	80	85	/	45	20	4×14	20	185
PBRWL-126/2500	2705	4×18	60	125×125	20	184	1200	308	400	350	6×24	130	91	1100	150	400	270	260	200	80	85	40	45	20	4×14	20	196
PBRWL-126/3150	2705	4×18	60	125×125	20	184	1200	308	400	350	6×24	130	91	1100	150	400	270	260	200	80	85	40	45	20	4×14	20	205
PBRWL-252/1600	3910	4×18	50	100×100	16	285	2240	340	550	500	12×24	185	130	1235	225	400	240	250	200	65	85	/	45	20	2×14	20	675
PBRWL-252/2000	3985	4×18	50	100×100	16	285	2240	340	550	500	12×24	185	130	1250	225	400	240	250	200	80	85	/	45	20	4×14	20	685
PBRWL-252/2500	4030	4×18	60	125×125	20	285	2240	340	550	500	12×24	185	130	1250	225	400	240	250	185	80	85	40	45	20	4×14	20	697
PBRWL-252/3150	4030	4×18	60	125×125	20	255	2240	340	550	500	12×24	185	130	1250	225	400	240	250	185	80	85	40	45	20	4×14	20	719

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (载流式) (硅橡胶复合外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Composite)

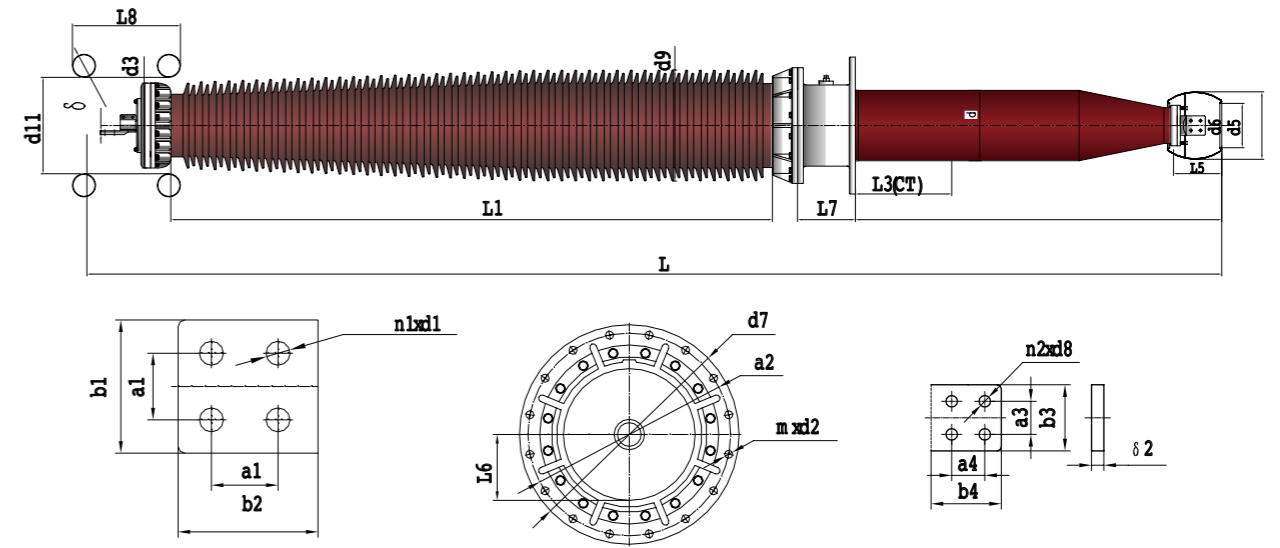


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side										重量 Weight			
型号Type	L	n1xd1	a1	b1xb2	delta	d3	L1	L8	d9	d11	d12	d7	a2	mx d2	L7	L6	L2	d	L3	L5	d5	d6	b3	b4	a4	a3	n2xd8	delta 2	kg
FPBRWL-363/1250	5475	4x18	50	100x100	20	485	3120	560	515	550	100	610	560	12x24	220	157	1625	280	500	260	290	170	60	70	30	/	2x14	20	1250
FPBRWL-363/2000	5500	4x18	50	100x100	20	485	3120	560	515	550	100	610	560	12x24	220	157	1645	280	500	280	350	225	80	85	45	40	4x14	20	1350
FPBRWL-420/1250	6240	4x18	50	100x100	20	485	3720	560	543	550	100	610	560	12x24	220	167	1740	300	500	260	290	170	60	70	30	/	2x14	20	1450
FPBRWL-420/2000	6260	4x18	50	100x100	20	485	3720	560	543	550	100	610	560	12x24	220	167	1760	300	500	280	350	225	80	85	45	40	2x14	30	1550
FPBRWL-550/630-1250	7465	4x18	50	100x100	20	500	4700	560	625	550	200	680	630	16x24	230	199	2005	365	600	260	290	170	60	70	30	/	2x14	20	1800
FPBRWL-550/1600-2000	7485	4x18	50	100x100	20	500	4700	560	625	550	200	680	630	16x24	230	199	2025	365	600	280	350	225	80	85	45	40	2x14	30	1950

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (载流式) (瓷外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Porcelain)



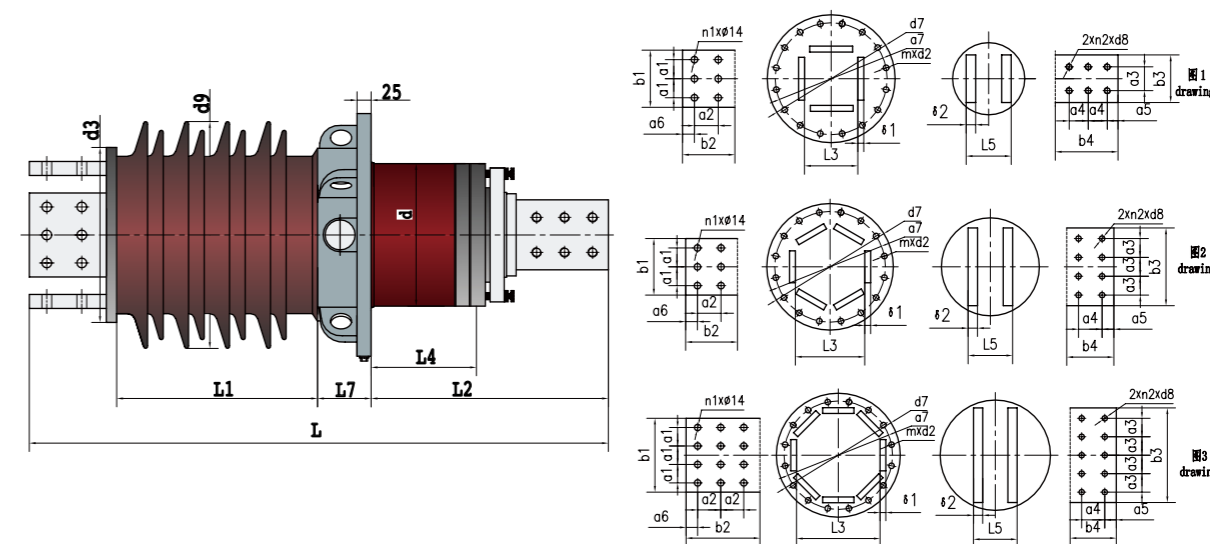
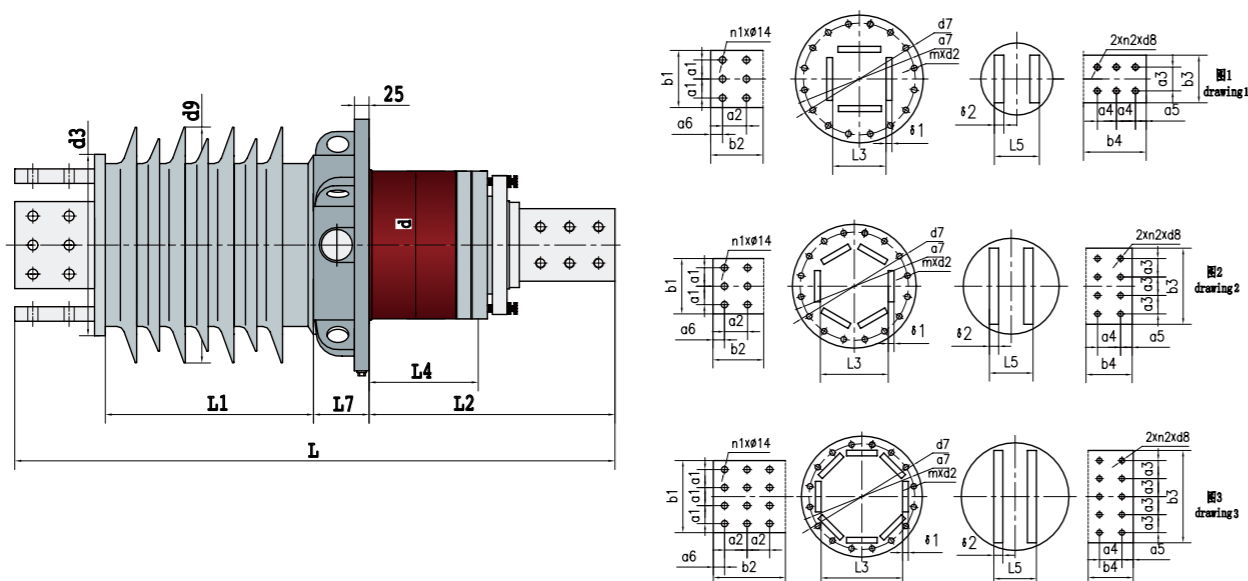
主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side										重量 Weight			
型号Type	L	n1xd1	a1	b1xb2	delta	d3	L1	L8	d9	d11	d12	d7	a2	mx d2	L7	L6	L2	d	L3	L5	d5	d6	b3	b4	a4	a3	n2xd8	delta 2	kg
PBRWL-363/1250	5475	4x18	50	100x100	20	480	3120	560	515	550	100	610	560	12x24	220	157	1625	280	500	260	290	170	60	70	30	/	2x14	20	1350
PBRWL-363/2000	5500	4x18	50	100x100	20	480	3120	560	515	550	100	610	560	12x24	220	157	1645	280	500	280	350	225	80	85	45	40	4x14	20	1450
PBRWL-420/1250	6240	4x18	50	100x100	20	485	3720	560	543	550	100	610	560	12x24	220	167	1740	300	500	260	290	170	60	70	30	/	2x14	20	1750
PBRWL-420/2000	6260	4x18	50	100x100	20	485	3720	560	543	550	100	610	560	12x24	220	167	1760	300	500	280	350	225	80	85	45	40	2x14	30	1850
PBRWL-550/630-1250	7465	4x18	50	100x100	20	500	4700	560	625	550	200	680	630	16x24	230	199	2005	365	600	260	290	170	60	70	30	/	2x14	20	2450
PBRWL-550/1600-2000	7485	4x18	50	100x100	20	500	4700	560	625	550	200	680	630	16x24	230	199	2025	365	600	280	350	225	80	85	45	40	2x14	30	2600

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型变压器 / 电抗器套管 (载流式) (硅橡胶复合外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Composite)

胶浸纸干式电容型变压器 / 电抗器套管 (载流式) (瓷外绝缘)  
RIP Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Porcelain)



主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side					重量 Weight						
型号 Type	L	n1	a1	a2	a6	b1×b2	δ1	L3	d3	d9	L1	L7	d7	a7	m×d2	d	L2	L4	b3	b4	a3	a4	a5	N×n2×d8	L5	δ2	kg
FPBRW-24/10000	950	6	40	50	25	120×100	20	190	280	390	340	95	430	380	12×20	280	385	145	100	125	50	40	22.5	2×6×M12	95	25	130
FPBRW-24/12500	940	6	50	50	30	150×110	20	250	340	450	340	95	500	450	12×20	340	370	160	150	85	50	40	25	2×6×M12	120	25	180
FPBRW-24/16000	970	6	40	60	30	120×120	20	265	340	450	340	95	500	450	12×20	340	390	160	150	110	50	50	30	2×6×M12	120	30	200
FPBRW-24/20000	970	6	40	60	30	120×120	20	380	450	560	340	100	605	560	12×20	455	390	160	200	110	50	50	30	2×8×Ø14	200	30	280
FPBRW-24/25000	970	6	50	60	30	140×120	20	425	500	560	340	95	605	560	12×20	455	390	160	230	110	45	50	30	2×10×Ø14	180	30	370
FPBRW-24/31500	990	8	45	60	30	175×120	20	500	500	560	340	100	730	680	16×20	490	400	160	320	110	45	50	30	2×14×Ø14	210	35	450
FPBRW-24/40000	1050	12	45	45	25	180×140	25	510	580	680	340	100	730	680	16×20	560	430	180	346	120	50	60	30	2×14×Ø14	190	35	560
FPBRW-40.5/10000	1110	6	40	50	25	120×100	20	190	340	450	500	95	500	450	12×20	380	390	160	100	125	50	40	22.5	2×6×M12	95	25	150
FPBRW-40.5/12500	1100	6	50	50	30	150×110	20	250	340	450	500	95	500	450	12×20	380	390	160	150	85	50	40	25	2×6×M12	120	25	205
FPBRW-40.5/16000	1130	6	40	60	30	120×120	20	265	340	450	500	95	500	450	12×20	380	390	160	150	110	50	50	30	2×6×M12	120	30	245
FPBRW-40.5/20000	1130	6	40	60	30	120×120	20	380	450	560	500	95	605	560	12×20	490	390	160	200	110	50	50	30	2×8×Ø14	200	30	320
FPBRW-40.5/25000	1130	6	50	60	30	140×120	20	425	500	560	500	95	605	560	12×20	490	390	160	230	110	45	50	30	2×10×Ø14	180	30	410
FPBRW-40.5/31500	1170	8	45	60	30	175×120	20	500	580	680	500	100	730	680	16×20	560	420	180	320	110	45	50	30	2×14×Ø14	210	35	500
FPBRW-40.5/40000	1210	12	45	45	25	180×140	25	510	600	680	500	100	730	680	16×20	560	430	180	346	120	50	60	30	2×14×Ø14	190	35	580

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side					重量 Weight						
型号 Type	L	n1	a1	a2	a6	b1×b2	δ1	L3	d3	d9	L1	L7	d7	a7	m×d2	d	L2	L4	b3	b4	a3	a4	a5	N×n2×d8	L5	δ2	kg
PBRW-24/10000	950	6	40	50	25	120×100	20	190	280	390	340	95	430	380	12×20	280	385	145	100	125	50	40	22.5	2×6×M12	95	25	155
PBRW-24/12500	940	6	50	50	30	150×110	20	250	340	450	340	95	500	450	12×20	340	370	160	150	85	50	40	25	2×6×M12	120	25	200
PBRW-24/16000	970	6	40	60	30	120×120	20	265	340	450	340	95	500	450	12×20	340	390	160	150	110	50	50	30	2×6×M12	120	30	230
PBRW-24/20000	970	6	40	60	30	120×120	20	380	450	560	340	100	605	560	12×20	455	390	160	200	110	50	50	30	2×8×Ø14	200	30	350
PBRW-24/25000	970	6	50	60	30	140×120	20	425	500	560	340	95	605	560	12×20	455	390	160	230	110	45	50	30	2×10×Ø14	180	30	420
PBRW-24/31500	990	8	45	60	30	175×120	20	500	500	560	340	100	730	680	16×20	490	400	160	320	110	45	50	30	2×14×Ø14	210	35	550
PBRW-24/40000	1050	12	45	45	25	180×140	25	510	580	680	340	100	730	680	16×20	560	430	180	346	120	50	60	30	2×14×Ø14	190	35	680
PBRW-40.5/10000	1110	6	40	50	25	120×100	20	190	340	450	500	95	500	450	12×20	380	390	160	100	125	50	40	22.5	2×6×M12	95	25	190
PBRW-40.5/12500	1100	6	50	50	30	150×110	20	250	340	450	500	95	500	450	12×20	380	390	160	150	85	50	40	25	2×6×M12	120	25	245
PBRW-40.5/16000	1130	6	40	60	30	120×120	20	265	340	450	500	95	500	450	12×20	380	390	160	150	110	50	50	30	2×6×M12	120	30	295
PBRW-40.5/20000	1130	6	40	60	30	120×120	20	380	450	560	500	95	605	560	12×20	490	390	160	200	110	50	50	30	2×8×Ø14	200	30	450
PBRW-40.5/25000	1130	6	50	60	30	140×120	20	425	500	560	500	95	605	560	12×20	490	390	160	230	110	45	50	30	2×10×Ø14	180	30	470
PBRW-40.5/31500	1170	8	45	60	30	175×120	20	500	580	680	500	100	730	680	16×20	560	420	180	320	110	45	50	30	2×14×Ø14	210	35	650
PBRW-40.5/40000	1210	12	45	45	25	180×140	25	510	600	680	500	100	730	680	16×20	560	430	180	346	120	50	60	30	2×14×Ø14	190	35	820

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

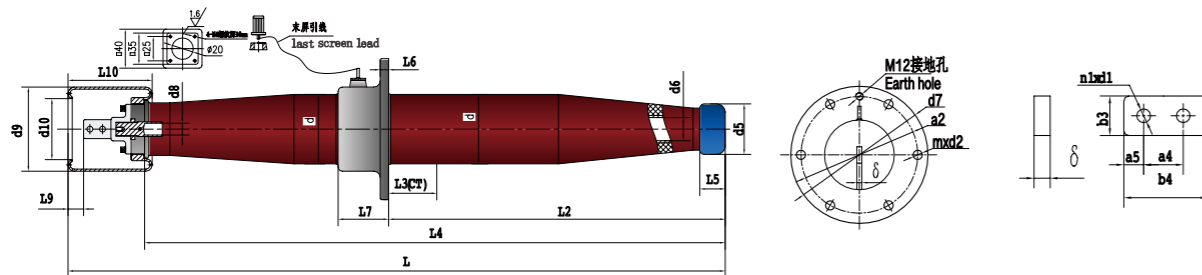
胶浸纸干式电容型油 / 油套管电气参数

RIP Dry-type Condenser Oil/Oil Bushing Electrical Specification

额定电压 Rated voltage (Um)	72.5	123/ 126	145	170	245/ 252	362/ 363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	155	255	305	355	505	560/ 625	695	750
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	630~4000							
介电损耗角正切 (%) Dielectric dissipation factor(tan)	增值 increase value	在 $1.05U_m/\sqrt{3}$ 和 $U_m$ 间 $\leq 0.1$						
	最大值 max. value	在 $1.05U_m/\sqrt{3}$ 下测量 $\leq 0.7$						
		在 $1.05U_m/\sqrt{3}$ value $\leq 0.7$						
Partial discharge at Um Um 电压下局部放电电量 (pC)	$\leq 10$							
Test tap insulation test 抽头对地耐受电压 (kV)	2							

胶浸纸干式电容型油 / 油套管 (穿缆式)

RIP Dry-type Condenser Oil/Oil Bushing (Draw lead)



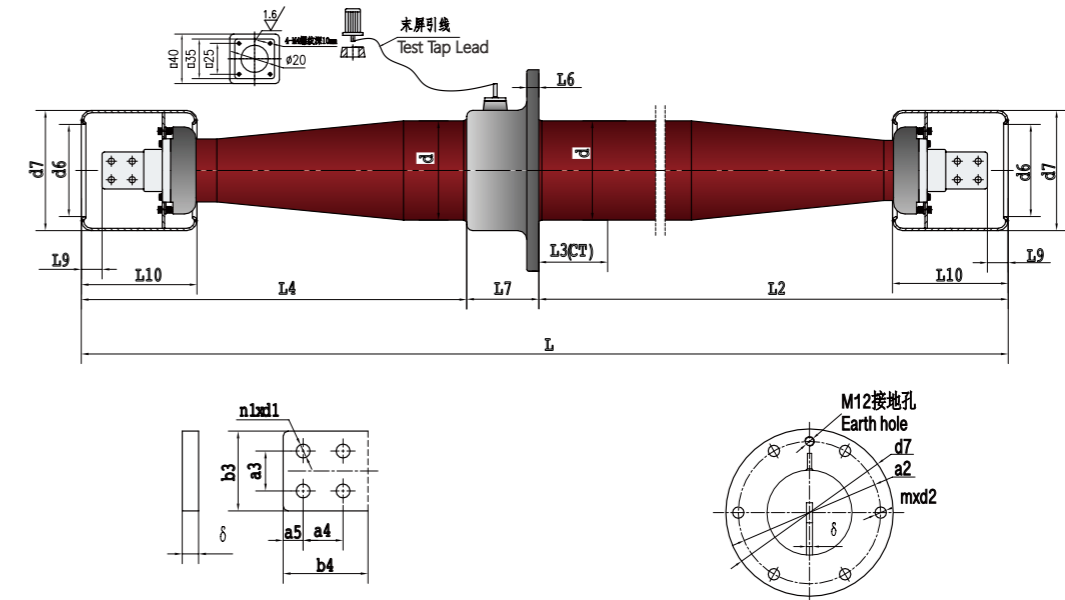
主要尺寸 (mm) Main dimension 型号 Type	总长 Total length L	油端 Oil side										法兰 Flange					变压器 transformer side					重量 Weight kg		
		n1×d1	a4	a5	b3×b4	δ	d	d8	d9	d10	L9	L10	L4	L7	L6	a2	d7	m×d2	L2	L3	L5		d5	d6
PORWL-72.5/630	960	2×14	30	15	40×65	20	120	28	175	145	35	200	1050	90	20	250	290	8×14	385	/	60	110	48	20
PORWL-72.5/1250	960	2×14	30	15	40×65	20	120	32	175	145	35	200	1050	90	20	250	290	8×14	385	/	60	110	48	22
PORWL-126/630	1350	2×14	30	15	40×65	20	142	28	175	145	35	200	1500	120	20	290	335	12×20	640	200	60	120	48	30
PORWL-126/1250	1570	2×14	30	15	40×65	20	142	32	175	145	35	200	1500	120	20	290	335	12×20	860	400	60	120	48	36
PORWL-145/630	1510	2×14	30	15	40×65	20	150	28	175	150	35	200	1750	120	20	350	400	12×20	510	200	90	155	48	45
PORWL-145/1250	1420	2×14	30	15	40×65	20	150	32	175	150	35	200	1750	120	20	350	400	12×20	710	200	90	155	48	55
PORWL-252/630	2420	2×14	30	15	40×65	20	225	28	250	160	60	230	2400	220	30	500	550	12×24	1320	600	130	245	60	105
PORWL-252/1250	2420	2×14	30	15	40×65	20	225	32	250	160	60	230	2400	220	30	500	550	12×24	1320	600	130	245	60	115
PORWL-363/630	2705	2×14	30	15	40×65	20	290	28	290	160	60	250	3600	260	40	620	680	12×24	1550	400	170	290	60	230
PORWL-363/1250	2705	2×14	30	15	40×65	20	290	32	290	160	60	250	3600	260	40	620	680	12×24	1550	400	170	290	60	240
PORWL-550/630	4120	2×14	30	15	40×65	20	390	28	350	230	90	380	3790	350	40	660	720	16×24	2115	600	240	380	80	560
PORWL-550/1250	4120	2×14	30	15	40×65	20	390	32	350	230	90	380	3790	350	40	660	720	16×24	2115	600	240	380	80	590

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纸干式电容型油 / 油套管 (载流式)

RIP Dry-type Condenser Oil/Oil Bushing (Bottom connected)



主要尺寸 (mm) Main dimension 型号 Type	总长 Total length L	接线端子 Terminal						法兰 Flange				油端 Oil side						重量 Weight kg			
		n1×d1	a3	a4	a5	b3×b4	δ	L7	L6	a2	d7	m×d2	L4	d	L2	L3	d7		d6	L10	L9
PORWL-72.5/630-1250	1055	2×14	/	30	15	40×65	20	90	20	250	290	8×14	430	120	780	250	180	145	200	35	24
PORWL-72.5/2000-2500	1105	4×14	40	45	20	80×85	20	90	20	250	290	8×14	450	120	780	250	180	145	200	35	26
PORWL-72.5/3150	1360	4×14	40	45	20	80×85	20	90	20	250	290	8×14	470	130	800	250	200	165	220	35	35
PORWL-126/630-1250	1720	2×14	/	30	15	40×65	20	120	20	290	335	12×20	570	142	1030	250	200	145	200	35	38
PORWL-126/2000-2500	1740	4×14	40	45	20	80×85	20	120	20	290	335	12×20	590	142	1030	250	200	145	200	35	45
PORWL-126/3150	1780	4×14	40	45	20	80×85	20	120	20	290	335	12×20	610	152	1050	250	220	165	220	35	52
PORWL-145/630-1250	1950	2×14	/	30	15	40×65	20	120	20	350	400	12×20	650	150	1180	400	220	150	200	35	58
PORWL-145/2000-2500	1970	4×14	40	45	20	80×85	20	120	20	350	400	12×20	670	150	1180	400	220	150	200	35	60
PORWL-145/3150	2010	4×14	40	45	20	80×85	20	120	20	350	400	12×20	690	158	1200	400	240	160	220	35	65
PORWL-252/630-1250	2560	2×14	/	30	15	40×65	20	220	30	500	550	12×24	910	225	1430	400	240	160	230	60	110
PORWL-252/2000-2500	2580	4×14	40	45	20	80×85	20	220	30	500	550	12×24	930								

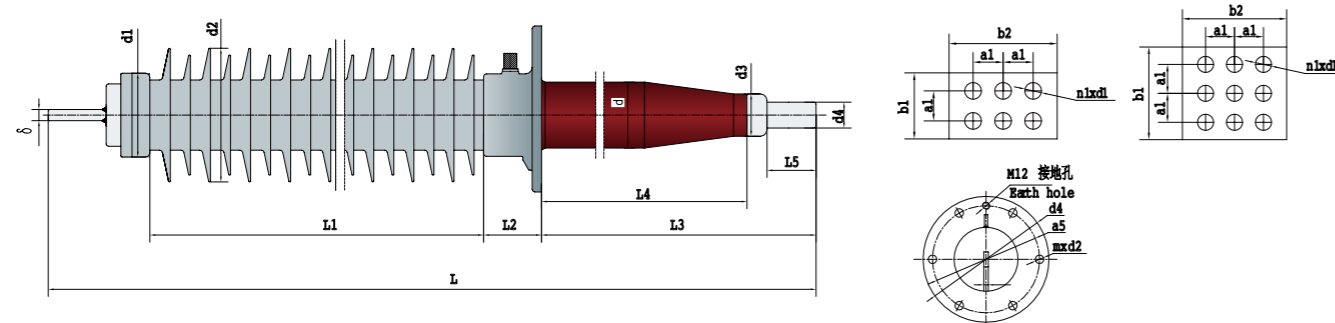
## 胶浸纸干式电容型 GIS 套管电气参数

### RIP Dry-type Condenser GIS Bushing Electrical Specification

额定电压 Rated voltage (Um)	40.5	72.5	123/ 126	145	170	245/ 252	362/ 363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	95	140	230	275	325	460	520/ 520	650	740
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	200	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	630~8000								
介质损耗角正切 (%) Dielectric dissipation factor(tan)	增值 increase value	在1.05Um/√3 和Um间≤0.1 at 1.05Um/√3 and Um value ≤0.1							
	最大值 max. value	在1.05Um/√3 下测量≤0.7 at 1.05Um/√3 value ≤0.7							
	1.2Um/√3 电压下局部放电量 (pC) Partial discharge at 1.2Um/√3	≤5							
抽头对地耐受电压 (kV) Test tap insulation test	2								

## 胶浸纸干式电容型 GIS 套管 (硅橡胶复合外绝缘)

### RIP Dry-type Condenser GIS Bushing (Composite)



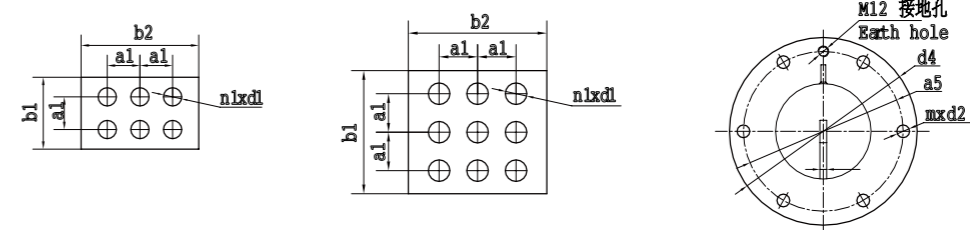
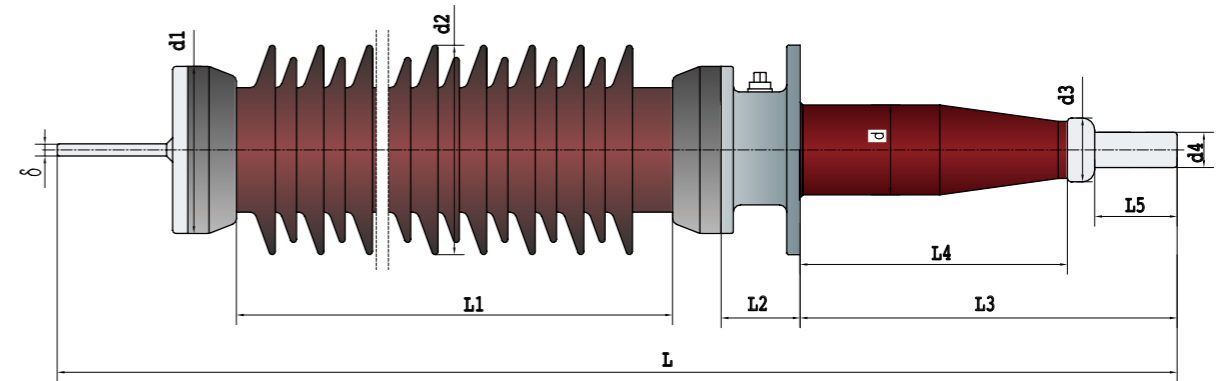
主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side						法兰 Flange				气端 SF <sub>6</sub> side				重量 Weight			
型号 Type	L	n1xd1	a1	b1xb2	δ	d1	L1	d2	d4	d5	mxd2	L2	L3	L4	D	L5	d3	d4	kg
FPGRW-40.5/2500	1195	6×18	50	110×180	25	170	450	234	290	250	6×24	120	336	200	116	96	105	58	35
FPGRW-72.5/2500	1485	6×18	50	110×180	25	170	740	234	290	250	6×24	120	376	240	116	96	105	58	55
FPGRW-126/2500	2055	6×18	50	110×180	25	175	1100	310	400	350	6×24	130	406	310	135	96	105	58	85
FPGRW-252/3150	2510	9×18	50	160×195	30	255	2240	370	550	500	12×24	185	810	510	225	240	155	76	295

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

## 胶浸纸干式电容型 GIS 套管 (瓷外绝缘)

### RIP Dry-type Condenser GIS Bushing (Porcelain)



主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side						法兰 Flange				气端 SF <sub>6</sub> side				重量 Weight			
型号 Type	L	n1xd1	a1	b1xb2	δ	d1	L1	d2	d4	d5	mxd2	L2	L3	L4	d	L5	d3	d4	kg
PGRW-40.5/2500	1315	6×18	50	110×180	25	170	450	234	290	250	6×24	120	336	200	116	96	105	58	75
PGRW-72.5/2500	1605	6×18	50	110×180	25	170	740	234	290	250	6×24	120	376	240	116	96	105	58	135
PGRW-126/2500	2215	6×18	50	110×180	25	175	1100	310	400	350	6×24	130	406	310	135	96	105	58	185
PGRW-252/3150	2725	9×18	50	160×195	30	255	2240	370	550	500	12×24	185	810	510	225	240	155	76	595

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

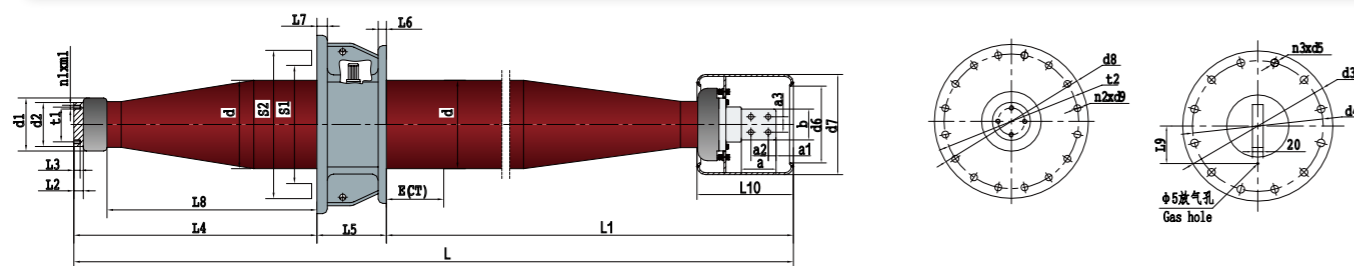
## 胶浸纸干式电容型油/SF<sub>6</sub> 套管电气参数

RIP Dry-type Condenser Oil/SF<sub>6</sub> Bushing Electrical Specification

额定电压 Rated voltage (Um)	72.5	123/ 126	145	170	245/ 252	362/ 363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	140	230	275	325	460	510/ 570	630	680
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	630~5000							
介质损耗角正切 (%) Dielectric dissipation factor(tan)	增值 increase value	在1.05Um/√3 和Um间≤0.1						
	最大值 max. value	在1.05Um/√3 下测量≤0.7						
		at 1.05Um/√3 value ≤0.7						
1.2Um/√3 电压下局部放电量 (pC) Partial discharge at 1.2Um/√3	≤5							
抽头对地耐受电压 (kV) Test tap insulation test	2							

## 胶浸纸干式电容型油/SF<sub>6</sub> 套管 (载流式)

RIP Dry-type Condenser Oil/SF<sub>6</sub> Bushing (Bottom connected)



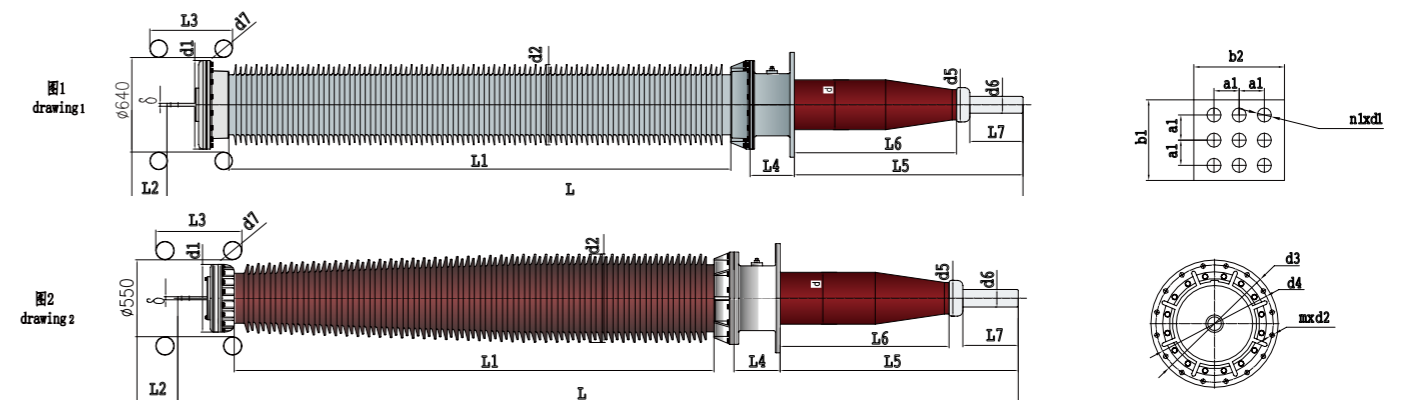
主要尺寸 (mm) Main dimension	总长 Total length	SF <sub>6</sub> 端 SF <sub>6</sub> side				SF <sub>6</sub> 端法兰 SF <sub>6</sub> side Flange				油端法兰 Oil side flange				油端 Oil side				重量 Weight																
型号 Type	L	L4	L8	d	d1	d2	t1	n1×m1	L3	L2	S1	S2	d8	t2	n2×d9	L7	L5	L6	d3	d4	n3×d5	L9	L1	E	d7	d6	L10	a	a1	a2	a3	b	n4×d6	kg
POGRWL-72.5/630-1250	1140	330	255	120	99	99	70	4×M12	20	30	200	260	315	285	8×16	22	150	20	335	290	12×20	79	710	200	200	160	250	85	20	45	40	80	4×14	26
POGRWL-72.5/2000-2500	1190	330	255	120	99	99	70	4×M12	20	30	200	260	315	285	8×16	22	150	20	335	290	12×20	79	710	200	200	160	250	85	20	45	40	80	4×14	30
POGRWL-72.5/3150	1190	330	255	130	99	99	70	4×M12	20	30	200	260	315	285	8×16	22	150	20	335	290	12×20	79	710	200	250	180	250	85	20	45	40	80	4×14	35
POGRWL-126/630-1250	1820	520	420	142	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	90	1120	400	220	140	200	65	15	30	/	40	2×14	40
POGRWL-126/2000-2500	1870	520	420	152	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	90	1170	400	260	180	250	85	20	45	40	80	4×14	45
POGRWL-126/3150	1870	520	420	152	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	90	1170	400	260	180	250	85	20	45	40	80	4×14	47
POGRWL-145/630-1250	1950	520	420	150	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	100	1250	400	220	140	200	65	15	30	/	40	2×14	52
POGRWL-145/2000-2500	2000	520	420	150	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	100	1250	400	260	180	250	85	20	45	40	80	4×14	57
POGRWL-145/3150	2000	520	420	158	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	100	1250	400	260	180	250	85	20	45	40	80	4×14	65
POGRWL-252/630-1250	2360	770	665	225	168	139	110	4×M12	25	30	450	510	565	535	16×16	32	220	26	450	450	12×22	155	1370	400	260	180	250	65	15	30	/	40	2×14	120
POGRWL-252/2000-2500	2360	770	665	225	168	139	110	4×M12	25	30	450	510	565	535	16×16	32	220	26	450	450	12×22	155	1370	400	260	180	250	65	15	30	/	40	2×14	135
POGRWL-252/3150	2360	770	665	225	168	139	110	4×M12	25	30	450	510	565	535	16×16	32	220	26	450	450	12×22	155	1370	400	260	180	250	65	15	30	/	40	2×14	155
POGRWL-363/630-1250	3340	1330	1045	290	208	139	110	4×M12	25	30	540	600	690	640	16×20	36	260	30	680	620	16×24	200	1750	400	300	230	250	65	15	30	/	40	2×14	253
POGRWL-363/2000-2500	3340	1330	1045	290	208	139	110	4×M12	25	30	540	600	690	640	16×20	36	260	30	680	620	16×24	200	1750	400	300	230	250	65	15	30	/	40	2×14	260
POGRWL-363/3150	3340	1330	1045	290	208	139	110	4×M12	25	30	540	600	690	640	16×20	36	260	30	680	620	16×24	200	1750	400	300	230	250	65	15	30	/	40	2×14	290
POGRWL-550/630-1250	4340	1475	1370	390	220	139	110	4×M12	25	30	540	600	690	640	16×20	35	300	30	680	620	16×24	280	2565	600	350	230	380	65	15	30	/	40	2×14	590
POGRWL-550/2000-2500	4340	1475	1370	390	220	139	110	4×M12	25	30	540	600	690	640	16×20	35	300	30	680	620	16×24	280	2565	600	350	230	380	65	15	30	/	40	2×14	630
POGRWL-550/3150	4340	1475	1370	390	220	139	110	4×M12	25	30	540	600	690	640	16×20	35	300	30	680	620	16×24	280	2565	600	350	230	380	65	15	30	/	40	2×14	670

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

## 胶浸纸干式电容型 GIS 套管 (硅橡胶复合外绝缘和瓷外绝缘)

RIP Dry-type Condenser GIS Bushing (Composite and Porcelain)



主要尺寸 (mm) Main dimension	外绝缘型式 External insulation type	图号 Drawing	总长 Total length	空气端 Air side										法兰 Flange		SF <sub>6</sub> 端 Oil side						重量 Weight		
型号 Type			L	n1×d1	a1	b1×b2	δ	d1	L1	L2	L3	d2	d7	d3	d4	m×d2	L4	d	L5	L6	L7	d5	d6	kg
FPGRWL-363/3150	复合 (Composite)	1	4940	9×18	50	160×195	25	485	3120	75	560	470	100	610	560	12×24	220	280	1000	690	240	180	78	1450
FPGRWL-550/3150	复合 (Composite)	1	7185	9×18	50	160×195	25	520	4700	75	560	625	200	710	660	16×24	230	365	1310	1000	240	210	78	1910
PGRWL-363/3150	瓷 (Porcelain)	2	4940	9×18	50	160×195	25	485	3120	75	560	470	100	610	560	12×24	220	280	1000	690	240	180	78	1750
PGRWL-550/3150	瓷 (Porcelain)	2	7185	9×18	50	160×195	25	520	4700	75	560	625	200	710	660	16×24	230	365	1310	1000	240	210	78	2610

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

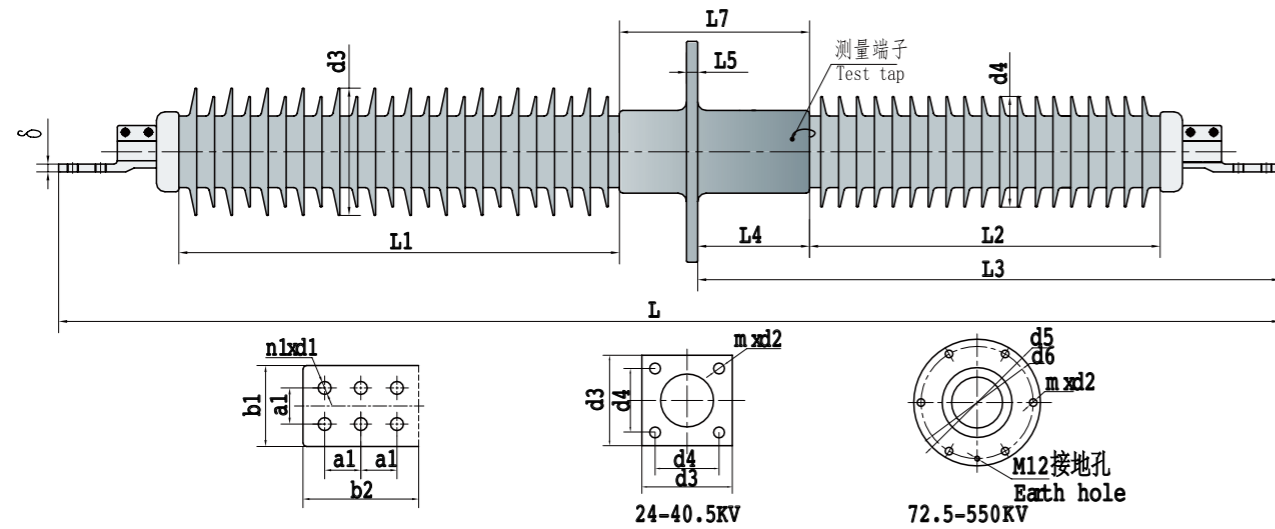
Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

## 胶浸纸干式电容型穿墙套管电气参数

RIP Dry-type Condenser Wall Bushing Electrical specification

额定电压 Rated voltage (Um)	12	24	40.5	52	72.5	123/ 126	145	170	245/ 252	362/ 363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	28	50	95	95	140	230	275	325	460	510/ 570	630	680
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	75	125	200	250	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	1~5000											
介质损耗角正切 (%) Dielectric dissipation factor(tan)	增值 increase value	在1.05Um/√3 和Um间≤0.1										
	最大值 max. value	在1.05Um/√3 下测量≤0.7										
		at 1.05Um/√3 value ≤0.7										
1.05Um/√3 电压下局部放电量 (pC) Partial discharge at 1.05Um/√3	≤10											
抽头对地耐受电压 (kV) Test tap insulation test	2											

**胶浸纸干式电容型穿墙套管 (载流式) (硅橡胶复合外绝缘)**  
RIP Dry-type Condenser Wall Bushing (Bottom connected) (Composite)

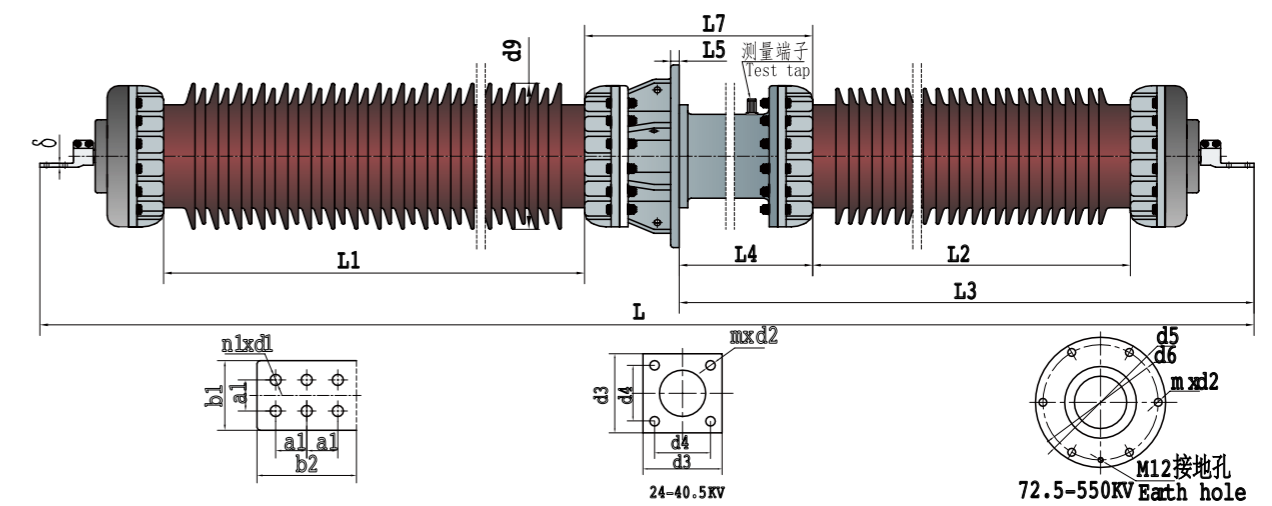


主要尺寸 (mm) Main dimension	总长 Total length	接线端子 Terminal			户外端 Outdoor side	法兰 Flange			户内端 Indoor side				重量 Weight				
型号 Type	L	n1xd1	a1	Nxb1xb2	δ	L1	d3	L7	L5	d6	d5	mxd2	L2	L3	L4	d4	kg
FPCRW-24/630	1000	4x14	30	63x63	11	295	155	90	20	250x250	200x200	4x15	255	455	40	155	20
FPCRW-24/2000	1100	4x18	50	100x100	16	295	155	90	20	250x250	200x200	4x15	255	505	40	155	23
FPCRW-24/3150	1150	4x18	60	125x125	20	295	155	90	20	250x250	200x200	4x15	255	530	40	155	30
FPCRW-40.5/630	1330	4x14	30	63x63	11	450	185	90	20	250x250	200x200	4x15	410	610	40	155	29
FPCRW-40.5/2000	1430	4x18	50	100x100	16	450	185	90	20	250x250	200x200	4x15	410	660	40	155	36
FPCRW-40.5/3150	1470	4x18	60	125x125	20	440	195	90	20	250x250	200x200	4x15	400	675	40	165	44
FPCRWL-72.5/630	2660	4x14	30	63x63	11	700	219	520	20	400	350	6x24	660	1230	400	189	75
FPCRWL-72.5/2000	2740	4x18	50	100x100	16	700	219	520	20	400	350	6x24	660	1270	400	189	85
FPCRWL-72.5/3150	2790	4x18	60	125x125	20	700	219	520	20	400	350	6x24	660	1295	400	189	95
FPCRWL-126/630	3410	4x14	30	63x63	11	1140	276	530	20	400	350	6x24	950	1520	400	236	150
FPCRWL-126/2000	3490	4x18	50	100x100	16	1140	276	530	20	400	350	6x24	950	1560	400	236	165
FPCRWL-126/3150	3540	4x18	50	100x100	20	1140	276	530	20	400	350	6x24	950	1585	400	236	185
FPCRWL-252/630	5830	4x14	40	80x80	12	2060	406	650	30	660	600	16x24	1985	2705	500	376	575
FPCRWL-252/3150	5910	4x18	50	125x125	20	2060	406	650	30	660	600	16x24	1985	2745	500	376	595
FPCRWL-252/5000	6120	6x18	50	2x112x160	20	2060	406	650	30	660	600	16x24	1985	2850	500	376	655
FPCRWL-363/630	8910	4x18	50	100x100	13	3400	543	1060	35	800	750	16x24	2980	4015	600	555	1790
FPCRWL-363/3150	8990	4x18	50	125x125	20	3400	543	1060	35	800	750	16x24	2980	4055	600	555	1870
FPCRWL-363/5000	9200	6x18	50	2x112x160	20	3400	543	1060	35	800	750	16x24	2980	4160	600	555	1960
FPCRWL-550/630	12640	4x18	50	100x100	13	5200	690	1210	45	1200	1000	24x32	4600	5695	660	670	3000
FPCRWL-550/3150	12720	4x18	50	125x125	20	5200	690	1210	45	1200	1000	24x32	4600	5735	660	670	3100
FPCRWL-550/5000	12930	6x18	50	2x112x160	20	5200	690	1210	45	1200	1000	24x32	4600	5840	660	670	3200

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

**胶浸纸干式电容型穿墙套管 (载流式) (瓷外绝缘)**  
RIP Dry-type Condenser Wall Bushing (Bottom connected) (Porcelain)



主要尺寸 (mm) Main dimension	总长 Total length	接线端子 Terminal			户外端 Outdoor side	法兰 Flange			户内端 Indoor side				重量 Weight				
型号 Type	L	n1xd1	a1	Nxb1xb2	δ	L1	d3	L7	L5	d6	d5	mxd2	L2	L3	L4	d4	kg
PCRW-24/630	1280	4x14	30	63x63	11	295	155	160	20	250x250	200x200	4x15	255	580	80	155	60
PCRW-24/2000	1380	4x18	50	100x100	16	295	155	160	20	250x250	200x200	4x15	255	630	80	155	65
PCRW-24/3150	1430	4x18	60	125x125	20	295	155	160	20	250x250	200x200	4x15	255	655	80	155	75
PCRW-40.5/630	1590	4x14	30	63x63	11	450	185	160	20	250x250	200x200	4x15	410	735	80	155	90
PCRW-40.5/2000	1690	4x18	50	100x100	16	450	185	160	20	250x250	200x200	4x15	410	785	80	155	100
PCRW-40.5/3150	1720	4x18	60	125x125	20	440	195	160	20	250x250	200x200	4x15	400	800	80	165	110
PCRWL-72.5/630	2820	4x14	30	63x63	11	700	219	550	20	400	350	6x24	660	1315	400	189	180
PCRWL-72.5/2000	2900	4x18	50	100x100	16	700	219	550	20	400	350	6x24	660	1355	400	189	195
PCRWL-72.5/3150	2950	4x18	60	125x125	20	700	219	550	20	400	350	6x24	660	1380	400	189	220
PCRWL-126/630	3750	4x14	30	63x63	11	1140	276	630	20	400	350	6x24	950	1665	400	236	375
PCRWL-126/2000	3830	4x18	50	100x100	16	1140	276	630	20	400	350	6x24	950	1705	400	236	400
PCRWL-126/3150	3880	4x18	50	100x100	20	1140	276	630	20	400	350	6x24	950	1730	400	236	435
PCRWL-252/630	6190	4x14	40	80x80	12	2060	406	785	30	660	600	16x24	1985	2825	500	376	1300
PCRWL-252/3150	6270	4x18	50	125x125	20	2060	406	785	30	660	600	16x24	1985	2865	500	376	1360
PCRWL-252/4000	6480	6x18	50	2x112x160	20	2060	406	785	30	660	600	16x24	1985	2970	500	376	1420
PCRWL-363/630	8420	4x18	50	100x100	13	3120	595	990	35	800	750	16x24	2980	3945	600	555	2300
PCRWL-363/3150	8500	4x18	50	125x125	20	3120	595	990	35	800	750	16x24	2980	3985	600	555	2380
PCRWL-363/5000	8710	6x18	50	2x112x160	20	3120	595	990	35	800	750	16x24	2980	4090	600	555	2500
PCRWL-550/630	12670	4x18	50	100x100	13	5285	686	1225	45	1200	1000	24x32	4600	5710	660	646	4200
PCRWL-550/3150	12750	4x18	50	125x125	20	5285	686	1225	45	1200	1000	24x32	4600	5750	660	646	4300
PCRWL-550/5000	12960	6x18	50	2x112x160	20	5285	686	1225	45	1200	1000	24x32	4600	5855	660	646	4400

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

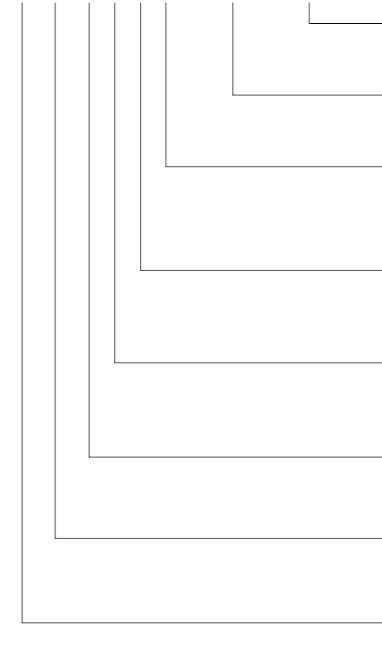
Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

# RIF/RIS

## 胶浸纤维产品 PRODUCTS

### 产品型号 PRODUCT TYPE

F E B R W L - \*\*\* / \*\*\*\*\*



额定电流 (A)  
Rated current(A)

额定电压 (kV)  
Rated voltage(kV)

预留 CT 安装位置 (不带 CT 则无)  
Reserved CT installation position  
(without if there is no CT)

加强型  
Enhanced type

电容型 (非电容型则无)  
Condenser type  
non-condenser type without

变压器 (电抗器) 套管  
Transformer/Reactor Bushing

环氧树脂浸渍纤维 ( RIS/RIF )  
Resin impregnated fibrer(RIS/RIF)

复合外绝缘 (瓷外绝缘则无)  
Composite(Not required for Porcelain)

变压器 (电抗器) 套管  
B: Transformer/Reactor Bushing

穿墙套管  
C: Wall Bushing

油 / 油套管  
O: Oil/Oil Bushing

油 /SF<sub>6</sub> 套管  
OG: Oil/SF<sub>6</sub> Bushing

GIS 出线套管  
G: GIS Bushing

断路器套管  
D: Circuit breaker Bushing

结构特征: 可否装电流互感器 :L- 可装; 不可装设时不表示  
Structural features: Whether the current transformer  
can be installed: L-can be installed;  
it does not indicate when it cannot be installed:

特征数字: 额定电压千伏数 (kV) 容额定电流安培数 (A)  
Characteristic number; rated voltage kilovolts(kV)  
rated current amperes(A)

### 产品范围 PRODUCT RANGE

- ( 变压器 / 电抗器套管 )Transformer/Reactor Bushing  
Um:12kV-1200kV Ir:630A-8000A

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- ( 变压器 / 电抗器套管 )Transformer/Reactor Bushing  
Um:24kV-40.5kV Ir:10000A-40000A

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- ( 油 / 油套管 )Oil/Oil Bushing  
Um:72.5kV-800kV Ir:630A-4000A

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- ( 油 /SF<sub>6</sub> 套管 )Oil/SF<sub>6</sub>Bushing  
Um:40.5kV-800kV Ir:630A-5000A

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- (GIS 套管 )GIS Bushing  
Um:40.5kV-1100kV Ir:630A-8000A

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- ( 穿墙套管 )Wall Bushing  
Um:12kV-1200kV Ir:630A-8000A

例: 复合外绝缘 252kV/1250A 的变压器套管, 可装设电流互感器, 其型号为 :FEBRWL-252/1250

Example:252kV/1250A transformer bushing with composite outer insulator, can be assembled with current transformer, type:FEBRWL-252/1250



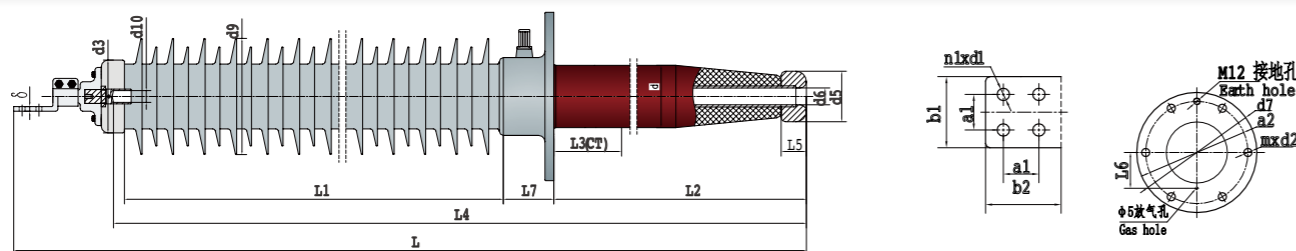
胶浸纤维干式电容型压器 / 电抗器套管电气参数

RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Draw lead) (Composite)

额定电压 Rated voltage (Um)	12	24	40.5	52	72.5	123/126	145	170	245/252	362/363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	39	61	95	105	155	255	305	355	505	560/625	560/625	750
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	75	125	200	250	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	6300~40000											
介质损耗角正切 (%) Dielectric dissipation factor(tan)	增值						在 $1.05U_m/\sqrt{3}$ 和 $U_m$ 间 $\leq 0.1$					
	increase value						at $1.05U_m/\sqrt{3}$ and $U_m$ value $\leq 0.1$					
	最大值						在 $1.05U_m/\sqrt{3}$ 下测量 $\leq 0.5$					
Um 电压下局部放电量 (pC) Partial discharge at Um	$\leq 10$											
抽头对地耐受电压 (kV) Test tap insulation test	2											

胶浸纤维干式电容型变压器 / 电抗器套管 (穿缆式) (硅橡胶复合外绝缘)

RIF/RIS Dry-type Condenser GIS Bushing (Composite and Porcelain)



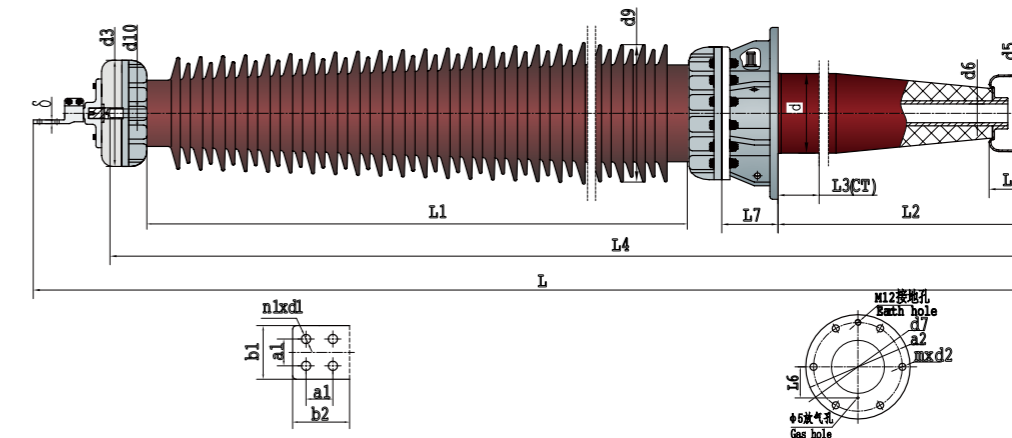
主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side						重量 Weight
型号 Type	L	n1xd1	a1	b1xb2	δ	L4	d3	d10	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	kg
FEBRW-24/630	780	4x14	30	63x65	11	575	108	28	295	205	215	180	6x14	80	60	170	88	/	50	84	40	15
FEBRW-24/1250	795	4x14	40	80x80	13	575	108	32	295	205	215	180	6x14	80	60	170	88	/	50	84	40	17
FEBRW-40.5/630	1035	4x14	30	63x65	11	835	123	28	470	220	235	200	6x16	80	67	250	102	/	50	84	40	19
FEBRW-40.5/1250	1050	4x14	40	80x80	13	835	123	32	470	220	235	200	6x16	80	67	250	102	/	50	84	40	20
FEBRWL-72.5/630	1910	4x14	40	80x80	11	1690	138	28	740	242	290	250	6x18	120	74	790	116	400	60	110	40	56
FEBRWL-72.5/1250	1920	4x18	50	100x100	13	1690	138	32	740	242	290	250	6x18	120	74	790	116	400	60	110	40	57
FEBRWL-126/630	2485	4x14	40	80x80	11	2255	173	28	1190	278	400	350	6x24	130	90	900	148	400	60	120	40	102
FEBRWL-126/1250	2495	4x18	50	100x100	13	2255	173	32	1190	278	400	350	6x24	130	90	900	148	400	60	120	40	105
FEBRWL-145/630	2835	4x14	40	80x80	11	2630	184	28	1390	308	400	350	6x24	130	97	1070	162	400	90	140	40	138
FEBRWL-145/1250	2855	4x18	50	100x100	13	2630	184	32	1390	308	400	350	6x24	130	97	1070	162	400	90	140	40	139
FEBRWL-252/630	4285	4x14	40	80x80	13	4065	285	28	2405	406	550	500	12x24	180	144	1430	255	500	130	245	54	508
FEBRWL-252/1250	4305	4x18	50	100x100	13	4065	285	32	2405	406	550	500	12x24	180	144	1430	255	500	130	245	54	514

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纤维干式电容型变压器 / 电抗器套管 (穿缆式) (瓷外绝缘)

RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Draw lead) (Porcelain)

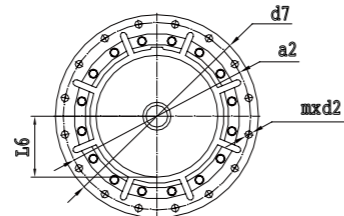
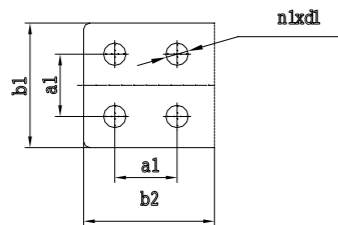
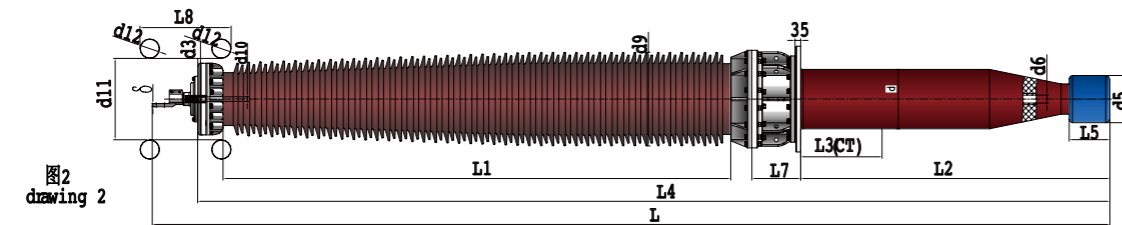
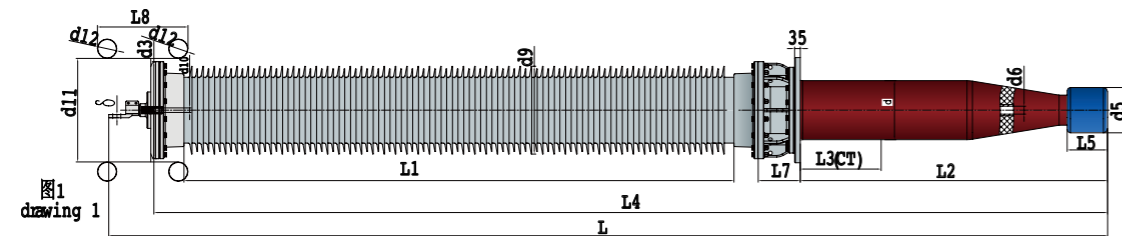


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side						重量 Weight
型号 Type	L	n1xd1	a1	b1xb2	δ	L4	d3	d10	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	kg
EBRW-24/630	835	4x14	30	63x65	11	625	183	28	305	264	215	180	6x14	90	63	170	88	/	50	84	40	33
EBRW-24/1250	850	4x14	40	80x80	13	625	183	32	305	264	215	180	6x14	90	63	170	88	/	50	84	40	35
EBRW-40.5/630	1075	4x14	30	63x65	11	870	183	28	455	284	235	200	6x16	100	70	250	102	/	50	84	40	50
EBRW-40.5/1250	1090	4x14	40	80x80	13	870	183	32	455	284	235	200	6x16	100	70	250	102	/	50	84	40	55
EBRWL-72.5/630	1900	4x14	40	80x80	11	1670	190	28	705	300	325	280	6x20	120	77	790	116	400	60	110	40	95
EBRWL-72.5/1250	1920	4x18	50	100x100	13	1670	190	32	705	300	325	280	6x20	120	77	790	116	400	60	110	40	96
EBRWL-126/630	2620	4x14	40	80x80	13	2395	223	28	1305	345	400	350	6x24	130	93	900	148	400	60	120	40	188
EBRWL-126/1250	2640	4x18	50	100x100	13	2395	223	32	1305	345	400	350	6x24	130	93	900	148	400	60	120	40	190
EBRWL-145/630	3180	4x14	40	80x80	13	2955	340	28	1490	386	400	350	6x24	150	100	1070	162	400	90	140	40	248
EBRWL-145/1250	3200	4x18	50	100x100	13	2955	340	32	1490	386	400	350	6x24	150	100	1070	162	400	90	140	40	249
EBRWL-252/630	4525	4x14	40	80x80	13	4300	340	28	2465	460	550	500	16x22	180	144	1430	255	500	130	245	54	735
EBRWL-252/1250	4545	4x18	50	100x100	13	4300	340	32	2465	460	550	500	16x22	180	144	1430	255	500	130	245	54	737

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纤维干式电容型变压器 / 电抗器套管 (穿缆式) (硅橡胶复合外绝缘和瓷外绝缘)  
RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Draw lead) (Composite and Porcelain)

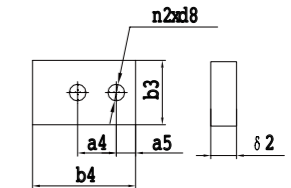
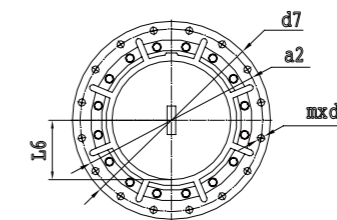
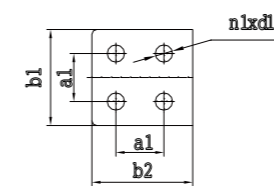
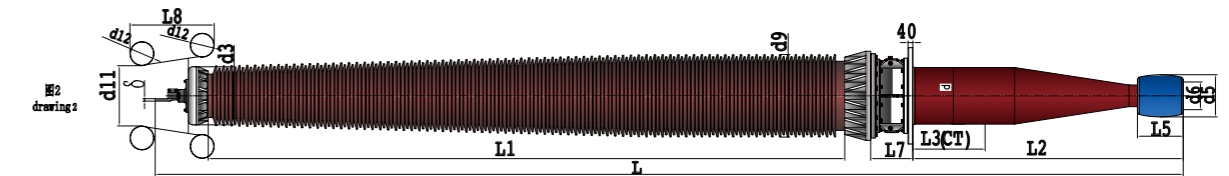
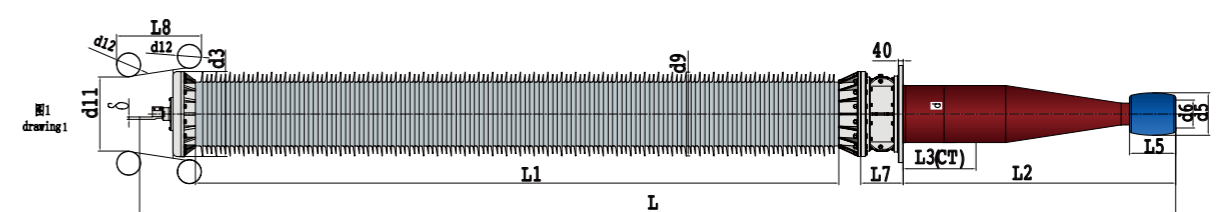


主要尺寸 (mm) Main dimension	外绝缘型式 External insulation type	总长 Total length	空气端 Air side														法兰 Flange				油端 Oil side								重量 Weight			
型号Type		L	n1xd1	a1	b1xb2	δ	L4	d3	d8	L1	L8	d9	d11	d12	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	b3	b4	a4	a5	n2xd8	δ2	kg
FEBRWL-363/630	复合 (Composite)	6340	4x14	50	80X80	13	6080	600	28	3400	560	543	640	120	650	600	16x24	260	195	2100	365	750	250	290	210	60	90	45	20	2x14	20	1650
FEBRWL-363/1250	复合 (Composite)	6360	4x18	50	100x100	13	6080	600	32	3400	560	543	640	120	650	600	16x24	260	195	2100	365	750	250	290	210	80	90	45	20	4x14	20	1700
FEBRWL-363/1600	复合 (Composite)	6380	4x18	50	100x100	20	6080	600	36	3400	560	543	640	120	650	600	16x24	260	195	2100	365	750	250	290	210	80	90	45	20	4x14	20	1350
EBRWL-363/630	瓷 (Porcelain)	6030	4x14	50	80X80	13	5800	440	28	3120	620	595	460	70	650	600	16x24	300	195	2100	365	750	250	290	210	60	90	45	20	2x14	20	1600
EBRWL-363/1250	瓷 (Porcelain)	6050	4x18	50	100x100	13	5800	440	32	3120	620	595	460	70	650	600	16x24	300	195	2100	365	750	250	290	210	80	90	45	20	4x14	20	1610
EBRWL-363/1600	瓷 (Porcelain)	6070	4x18	50	100x100	20	5800	440	36	3120	620	595	460	70	650	600	16x24	300	195	2100	365	750	250	290	210	80	90	45	20	4x14	20	1650

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纤维干式电容型变压器 / 电抗器套管 (载流式) (硅橡胶复合外绝缘和瓷外绝缘)  
RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Composite and Porcelain)

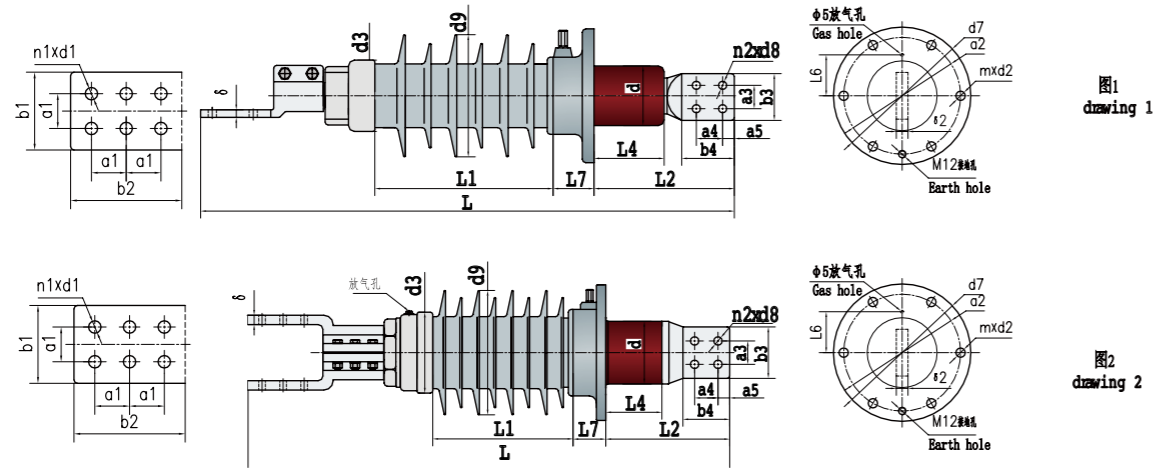


主要尺寸 (mm) Main dimension	外绝缘型式 External insulation type	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side								重量 Weight					
型号Type		L	n1xd1	a1	b1xb2	δ	d3	L1	L8	d9	d11	d12	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	b3	b4	a4	a5	n2xd8	δ2	kg
FEBRWL-363/630-1250	复合 (Composite)	6375	4x18	50	100x100	13	600	3400	560	543	640	120	650	600	16x24	260	195	2100	365	750	250	290	210	60	90	45	20	2x14	20	1650
FEBRWL-363/1600-2000	复合 (Composite)	6375	4x18	50	100x100	20	600	3400	560	543	640	120	650	600	16x24	260	195	2100	365	750	250	290	210	80	90	45	20	4x14	20	1700
FEBRWL-550/630-1250	复合 (Composite)	8580	4x18	50	100x100	13	700	5300	700	690	610	200	800	750	16x24	350	260	2245	485	600	380	350	230	60	90	45	20	2x14	20	3400
FEBRWL-550/1600-2000	复合 (Composite)	8745	4x18	50	100x100	20	700	5300	700	690	610	200	800	750	16x24	350	260	2245	485	600	380	350	230	80	90	30	20	4x14	30	3500
EBRWL-363/630-1250	瓷 (Porcelain)	6050	4x18	50	100x100	13	440	3120	620	595	460	70	650	600	16x24	300	195	2100	365	500	250	290	210	60	90	45	20	2x14	20	1700
EBRWL-363/1600-2000	瓷 (Porcelain)	6050	4x18	50	100x100	20	440	3120	620	595	460	70	650	600	16x24	300	195	2100	365	500	250	290	210	80	90	45	20	4x14	20	1750
EBRWL-550/630-1250	瓷 (Porcelain)	8660	4x18	50	100x100	13	482	5285	600	695	500	200	800	750	16x24	350	260	2245	470	600	380	350	230	60	90	45	20	2x14	20	3700
EBRWL-550/1600-2000	瓷 (Porcelain)	8680	4x18	50	100x100	20	482	5285	700	695	500	200	800	750	16x24	350	260	2245	470	600	380	350	230	80	90	45	20	4x14	30	3900
FEBRWL-800/3150	复合 (Composite)	9760	9x18	50	160x190	25	800	6220	970	801	870	290	960	800	16x32	350	2985	2270	560	400	420	420	230	80	90	45	20	4x14	20	8000
FEBRWL-1200/3150	复合 (Composite)	1385	9x18	50	160x190	25	800	9650	1330	980	920	240	1035	965	24x26	400	365	2860	650	400	500	500	274	80	90	45	20	4x14	20	12000

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

## 胶浸纤维干式电容型变压器 / 电抗器套管 (载流式) (硅橡胶复合外绝缘) RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Composite)

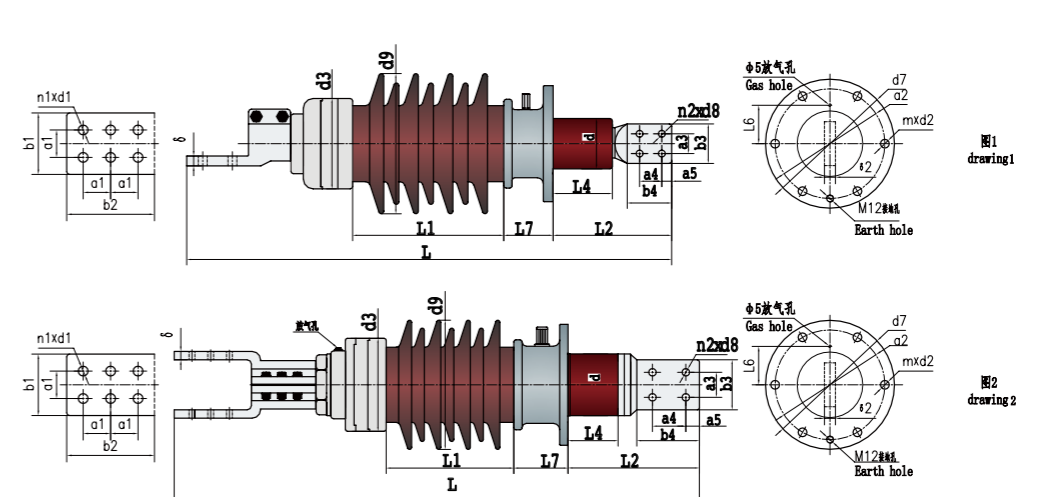


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side															法兰 Flange						油端 Oil side						重量 Weight
型号Type	L	n1xd1	a1	b1xb2	δ	d3	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L4	b3	b4	a3	a4	a5	n2xd8	δ2	kg					
FEBRW-24/630	730	4x14	30	63x63	13	98	295	195	190	160	6x14	70	55	200	78	120	40	65	/	30	15	2x14	20	13					
FEBRW-24/1250	760	4x14	40	80x80	13	108	295	205	215	180	6x14	80	60	200	88	120	40	65	/	30	15	2x14	20	15					
FEBRW-24/1600	890	4x18	50	100x100	16	108	295	205	215	180	6x14	80	60	240	88	120	65	90	/	45	20	2x14	20	16					
FEBRW-24/2000	890	4x18	50	100x100	16	108	295	205	215	180	6x14	80	60	240	88	120	80	90	40	45	20	4x14	20	22					
FEBRW-24/3150	915	4x18	60	125x125	20	123	295	220	235	200	6x16	80	67	240	102	120	80	90	40	45	20	4x14	20	30					
FEBRW-24/4000	975	6x18	50	112x160	20	123	295	220	235	200	6x16	80	67	240	102	120	120	90	70	45	20	4x14	20	40					
FEBRW-24/6300	1135	6x18	60	120x185	20	173	300	276	290	250	6x18	80	91	315	148	120	120	150	60	80	32.5	4x18	30	70					
FEBRW-24/8000	1090	6x18	60	180x130	20	173	300	276	290	250	6x18	80	91	295	148	120	160	130	50	60	32.5	6x18	30	80					
FEBRW-40.5/630	980	4x14	40	80x80	13	108	440	205	215	180	6x14	80	60	280	88	200	40	65	/	30	15	2x14	20	21					
FEBRW-40.5/1250	1030	4x14	40	80x80	13	123	470	220	235	200	6x16	80	67	280	102	200	40	65	/	30	15	2x14	20	22					
FEBRW-40.5/2000	1140	4x18	50	100x100	16	123	470	220	235	200	6x16	80	67	320	102	200	80	90	40	45	20	4x14	20	26					
FEBRW-40.5/3150	1170	4x18	60	125x125	20	128	470	232	235	200	6x16	80	71	320	110	200	80	90	40	45	20	4x14	20	34					
FEBRW-40.5/4000	1240	6x18	50	112x160	20	138	480	242	290	250	6x18	80	74	320	116	200	120	90	70	45	20	4x14	20	48					
FEBRW-40.5/5000	1275	6x18	50	112x160	20	173	455	276	290	250	6x18	80	91	345	148	200	110	100	50	50	25	4x14	25	90					
FEBRW-40.5/6300	1450	6x18	60	120x185	20	184	480	308	400	350	6x24	130	95	395	162	200	120	150	60	80	32.5	4x18	30	110					
FEBRW-40.5/8000	1330	6x18	60	180x130	20	184	480	308	400	350	6x24	130	95	375	162	200	160	130	50	60	32.5	6x18	30	130					

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

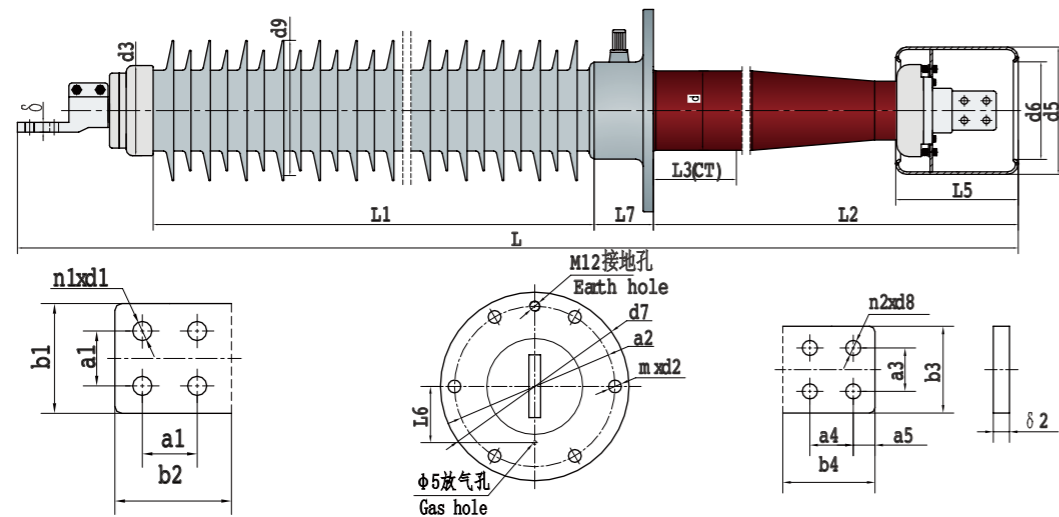
Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

## 胶浸纤维干式电容型变压器 / 电抗器套管 (载流式) (瓷外绝缘) RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Porcelain)



主要尺寸 (mm) Main dimension	图号 Drawing	总长 Total length	空气端 Air side															法兰 Flange						油端 Oil side						重量 Weight
型号Type		L	n1xd1	a1	b1xb2	δ	d3	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L4	b3	b4	a3	a4	a5	n2xd8	δ2	kg					
EBRW-24/630	1	835	4x14	30	63x65	13	183	305	264	215	180	6x14	90	63	200	78	120	40	65	/	30	15	2x14	20	32					
EBRW-24/1250	1	870	4x14	40	80x80	13	183	305	264	215	180	6x14	90	63	200	88	120	40	65	/	30	15	2x14	20	35					
EBRW-24/1600	1	945	4x18	50	100x100	16	183	305	264	215	180	6x14	90	63	240	88	120	65	90	/	45	20	2x14	20	40					
EBRW-24/2000	1	945	4x18	50	100x100	16	183	305	264	215	180	6x14	90	63	240	88	120	80	90	40	45	20	4x14	20	45					
EBRW-24/3150	1	985	4x18	60	125x125	20	183	305	264	235	200	6x16	100	70	240	102	120	80	90	40	45	20	4x14	20	53					
EBRW-24/4000	1	1035	6x18	50	112x160	20	183	305	264	235	200	6x16	100	70	240	102	120	120	90	70	45	20	4x14	20	65					
EBRW-24/6300	2	1260	6x18	60	120x185	20	226	305	320	290	250	6x18	130	93	315	148	120	120	150	60	80	32.5</								

胶浸纤维干式电容型变压器 / 电抗器套管 (载流式) (硅橡胶复合外绝缘)  
RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Composite)

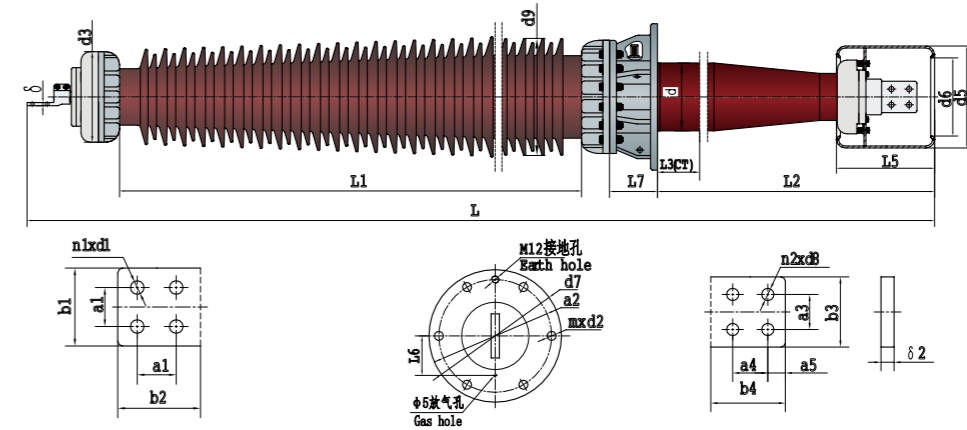


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side								重量 Weight			
型号 Type	L	n1xd1	a1	b1xb2	delta	d3	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	b3	b4	a3	a4	a5	n2xd8	delta 2	kg
FEBRWL-72.5/1600	2190	4x18	50	100x100	16	158	825	260	400	350	6x24	120	82	980	134	400	250	260	200	65	85	/	45	20	2x14	20	77
FEBRWL-72.5/2000	2190	4x18	50	100x100	16	158	825	260	400	350	6x24	120	82	980	134	400	250	260	200	65	85	/	45	20	2x14	20	82
FEBRWL-72.5/2500	2235	4x18	60	125x125	20	158	825	260	400	350	6x24	120	82	1000	134	400	270	260	200	80	85	40	45	20	4x14	20	89
FEBRWL-72.5/3150	2235	4x18	60	125x125	20	158	825	260	400	350	6x24	120	82	1000	134	400	270	260	200	80	85	40	45	20	4x14	20	96
FEBRWL-126/1600	2675	4x18	50	100x100	16	184	1200	308	400	350	6x24	130	98	1080	162	400	250	260	200	65	85	/	45	20	2x14	20	135
FEBRWL-126/2000	2675	4x18	50	100x100	16	184	1200	308	400	350	6x24	130	98	1080	162	400	250	260	200	65	85	/	45	20	2x14	20	140
FEBRWL-126/2500	2720	4x18	60	125x125	20	184	1200	308	400	350	6x24	130	98	1100	162	400	270	260	200	80	85	40	45	20	4x14	20	149
FEBRWL-126/3150	2720	4x18	60	125x125	20	184	1200	308	400	350	6x24	130	98	1100	162	400	270	260	200	80	85	40	45	20	4x14	20	158
FEBRWL-252/1600	4450	4x18	50	100x100	16	285	2465	406	550	500	12x24	180	144	1580	255	400	270	260	200	65	85	/	45	20	2x14	20	517
FEBRWL-252/2000	4450	4x18	50	100x100	16	285	2465	406	550	500	12x24	180	144	1580	255	400	270	260	200	65	85	/	45	20	2x14	20	522
FEBRWL-252/2500	4475	4x18	60	125x125	20	285	2465	406	550	500	12x24	180	144	1600	255	400	290	260	200	80	85	40	45	20	4x14	20	558
FEBRWL-252/3150	4475	4x18	60	125x125	20	285	2465	406	550	500	12x24	180	144	1600	255	400	290	260	200	80	85	40	45	20	4x14	20	572

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纤维干式电容型变压器 / 电抗器套管 (载流式) (瓷外绝缘)  
RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Porcelain)

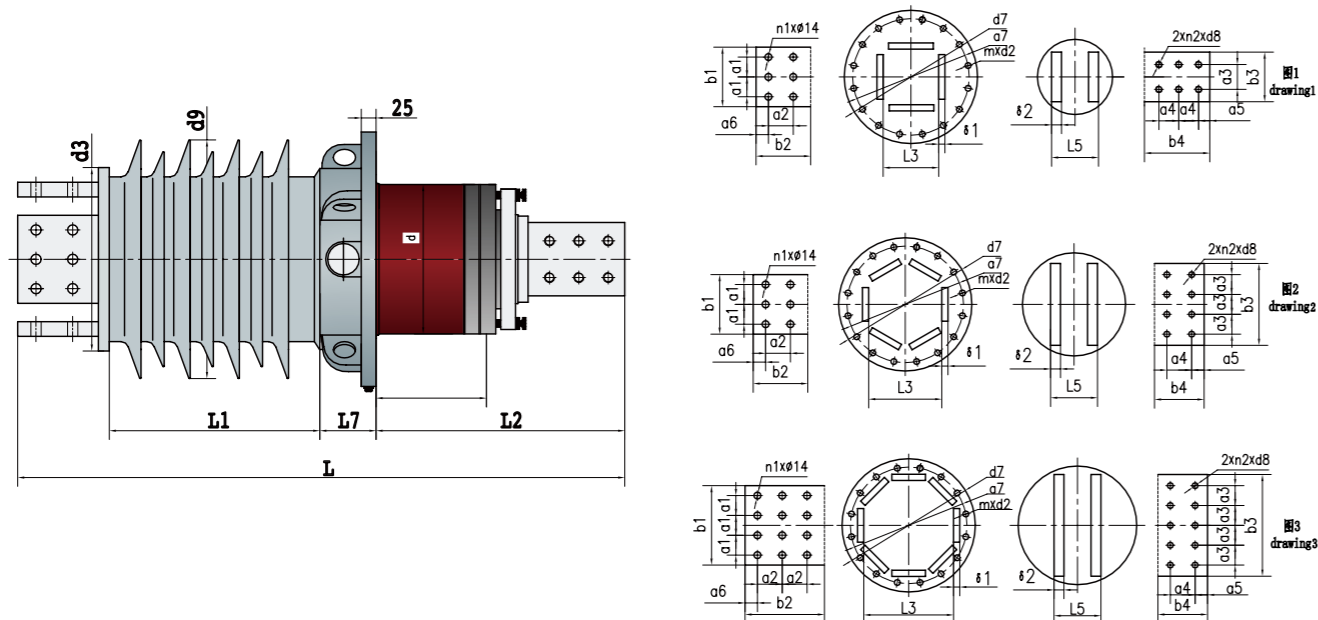


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side								重量 Weight			
型号 Type	L	n1xd1	a1	b1xb2	delta	d3	L1	d9	d7	a2	mxd2	L7	L6	L2	d	L3	L5	d5	d6	b3	b4	a3	a4	a5	n2xd8	delta 2	kg
EBRWL-72.5/1600	2300	4x18	50	100x100	16	300	750	340	400	350	6x24	130	84	980	134	400	250	260	200	65	85	/	45	20	2x14	20	163
EBRWL-72.5/2000	2300	4x18	50	100x100	16	300	750	340	400	350	6x24	130	84	980	134	400	250	260	200	65	85	/	45	20	2x14	20	169
EBRWL-72.5/2500	2350	4x18	60	125x125	20	300	750	340	400	350	6x24	130	84	1000	134	400	270	260	200	80	85	40	45	20	4x14	20	175
EBRWL-72.5/3150	2350	4x18	60	125x125	20	300	750	340	400	350	6x24	130	84	1000	134	400	270	260	200	80	85	40	45	20	4x14	20	182
EBRWL-126/1600	2980	4x18	50	100x100	16	332	1250	386	400	350	6x24	150	100	1090	162	400	250	260	200	65	85	/	45	20	2x14	20	250
EBRWL-126/2000	2980	4x18	50	100x100	16	332	1250	386	400	350	6x24	150	100	1090	162	400	250	260	200	65	85	/	45	20	2x14	20	258
EBRWL-126/2500	3030	4x18	60	125x125	20	332	1250	386	400	350	6x24	150	100	1110	162	400	270	260	200	80	85	40	45	20	4x14	20	272
EBRWL-126/3150	3030	4x18	60	125x125	20	332	1250	386	400	350	6x24	150	100	1110	162	400	270	260	200	80	85	40	45	20	4x14	20	283
EBRWL-252/1600	4585	4x18	50	100x100	16	340	2465	460	550	500	16x22	180	144	1470	255	400	270	260	200	65	85	/	45	20	2x14	20	900
EBRWL-252/2000	4585	4x18	50	100x100	16	340	2465	460	550	500	16x22	180	144	1470	255	400	270	260	200	65	85	/	45	20	2x14	20	920
EBRWL-252/2500	4635	4x18	60	125x125	20	340	2465	460	550	500	16x22	180	144	1490	255	400	290	260	200	80	85	40	45	20	4x14	20	942
EBRWL-252/3150	4635	4x18	60	125x125	20	340	2465	460	550	500	16x22	180	144	1490	255	400	290	260	200	80	85	40	45	20	4x14	20	966

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

**胶浸纤维干式电容型变压器 / 电抗器套管 (载流式) (硅橡胶复合外绝缘)**  
RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Composite)

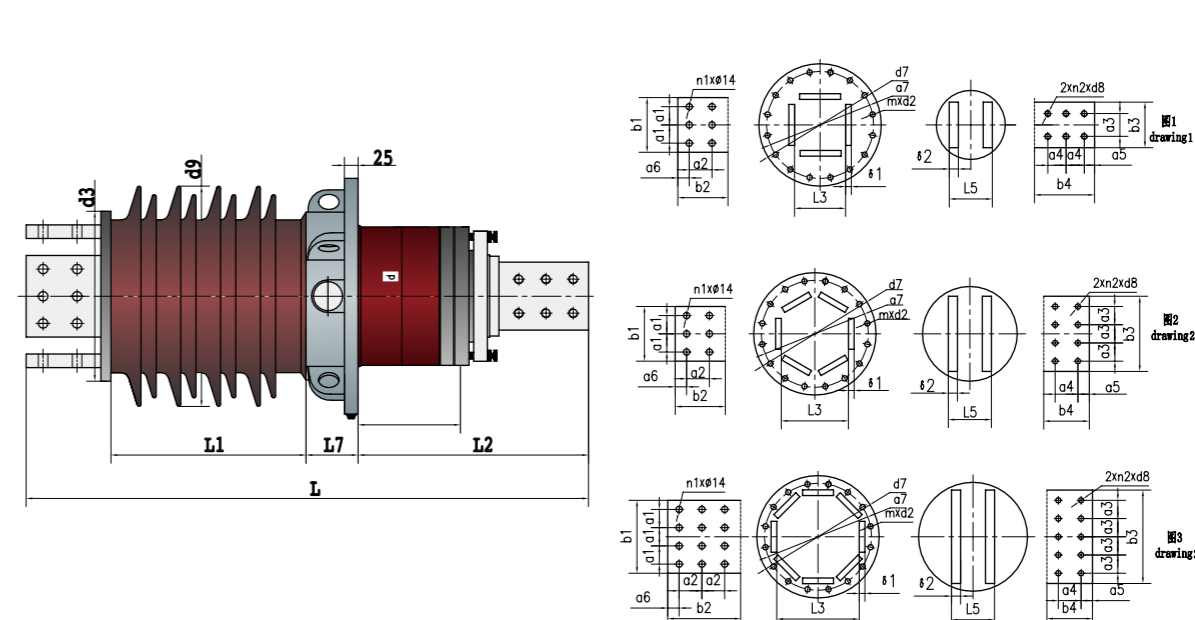


主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side								重量 Weight			
型号 Type	L	n1	a1	a2	a6	b1×b2	δ1	L3	d3	d9	L1	L7	d7	a7	m×d2	d	L2	L4	b3	b4	a3	a4	a5	N×n2×d8	L5	δ2	kg
FEBRW-24/10000	950	6	40	50	25	120×100	20	190	280	390	340	95	430	380	12×20	280	385	145	100	125	50	40	22.5	2×6×M12	95	25	130
FEBRW-24/12500	940	6	50	50	30	150×110	20	250	340	450	340	95	500	450	12×20	340	370	160	150	85	50	40	25	2×6×M12	120	25	180
FEBRW-24/16000	970	6	40	60	30	120×120	20	265	340	450	340	95	500	450	12×20	340	390	160	150	110	50	50	30	2×6×M12	120	30	200
FEBRW-24/20000	970	6	40	60	30	120×120	20	380	450	560	340	100	605	560	12×20	455	390	160	200	110	50	50	30	2×8×Ø14	200	30	280
FEBRW-24/25000	970	6	50	60	30	140×120	20	425	500	560	340	95	605	560	12×20	455	390	160	230	110	45	50	30	2×10×Ø14	180	30	370
FEBRW-24/31500	990	8	45	60	30	175×120	20	500	500	560	340	100	730	680	16×20	490	400	160	320	110	45	50	30	2×14×Ø14	210	35	450
FEBRW-24/40000	1050	12	45	45	25	180×140	25	510	580	680	340	100	730	680	16×20	560	430	180	346	120	50	60	30	2×14×Ø14	190	35	560
FEBRW-40.5/10000	1110	6	40	50	25	120×100	20	190	340	450	500	95	500	450	12×20	380	390	160	100	125	50	40	22.5	2×6×M12	95	25	150
FEBRW-40.5/12500	1100	6	50	50	30	150×110	20	250	340	450	500	95	500	450	12×20	380	390	160	150	85	50	40	25	2×6×M12	120	25	205
FEBRW-40.5/16000	1130	6	40	60	30	120×120	20	265	340	450	500	95	500	450	12×20	380	390	160	150	110	50	50	30	2×6×M12	120	30	245
FEBRW-40.5/20000	1130	6	40	60	30	120×120	20	380	450	560	500	95	605	560	12×20	490	390	160	200	110	50	50	30	2×8×Ø14	200	30	320
FEBRW-40.5/25000	1130	6	50	60	30	140×120	20	425	500	560	500	95	605	560	12×20	490	390	160	230	110	45	50	30	2×10×Ø14	180	30	410
FEBRW-40.5/31500	1170	8	45	60	30	175×120	20	500	580	680	500	100	730	680	16×20	560	420	180	320	110	45	50	30	2×14×Ø14	210	35	500
FEBRW-40.5/40000	1210	12	45	45	25	180×140	25	510	600	680	500	100	730	680	16×20	560	430	180	346	120	50	60	30	2×14×Ø14	190	35	580

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

**胶浸纤维变压器 / 电抗器套管 (载流式) (瓷外绝缘)**  
RIF/RIS Dry-type Condenser Transformer/Reactor Bushing (Bottom connected) (Porcelain)



主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				油端 Oil side								重量 Weight			
型号 Type	L	n1	a1	a2	a6	b1×b2	δ1	L3	d3	d9	L1	L7	d7	a7	m×d2	d	L2	L4	b3	b4	a3	a4	a5	N×n2×d8	L5	δ2	kg
EBRW-24/10000	950	6	40	50	25	120×100	20	190	280	390	340	95	430	380	12×20	280	385	145	100	125	50	40	22.5	2×6×M12	95	25	155
EBRW-24/12500	940	6	50	50	30	150×110	20	250	340	450	340	95	500	450	12×20	340	370	160	150	85	50	40	25	2×6×M12	120	25	200
EBRW-24/16000	970	6	40	60	30	120×120	20	265	340	450	340	95	500	450	12×20	340	390	160	150	110	50	50	30	2×6×M12	120	30	230
EBRW-24/20000	970	6	40	60	30	120×120	20	380	450	560	340	100	605	560	12×20	455	390	160	200	110	50	50	30	2×8×Ø14	200	30	350
EBRW-24/25000	970	6	50	60	30	140×120	20	425	500	560	340	95	605	560	12×20	455	390	160	230	110	45	50	30	2×10×Ø14	180	30	420
EBRW-24/31500	990	8	45	60	30	175×120	20	500	500	560	340	100	730	680	16×20	490	400	160	320	110	45	50	30	2×14×Ø14	210	35	550
EBRW-24/40000	1050	12	45	45	25	180×140	25	510	580	680	340	100	730	680	16×20	560	430	180	346	120	50	60	30	2×14×Ø14	190	35	680
EBRW-40.5/10000	1110	6	40	50	25	120×100	20	190	340	450	500	95	500	450	12×20	380	390	160	100	125	50	40	22.5	2×6×M12	95	25	190
EBRW-40.5/12500	1100	6	50	50	30	150×110	20	250	340	450	500	95	500	450	12×20	380	390	160	150	85	50	40	25	2×6×M12	120	25	245
EBRW-40.5/16000	1130	6	40	60	30	120×120	20	265	340	450	500	95	500	450	12×20	380	390	160	150	110	50	50	30	2×6×M12	120	30	295
EBRW-40.5/20000	1130	6	40	60	30	120×120	20	380	450	560	500	95	605	560	12×20	490	390	160	200	110	50	50	30	2×8×Ø14	200	30	450
EBRW-40.5/25000	1130	6	50	60	30	140×120	20	425	500	560	500	95	605	560	12×20	490	390	160	230	110	45	50	30	2×10×Ø14	180	30	470
EBRW-40.5/31500	1170	8	45	60	30	175×120	20	500	580	680	500	100	730	680	16×20	560	420	180	320	110	45	50	30	2×14×Ø14	210	35	650
EBRW-40.5/40000	1210	12	45	45	25	180×140	25	510	600	680	500	100	730	680	16×20	560	430	180	346	120	50	60	30	2×14×Ø14	190	35	820

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

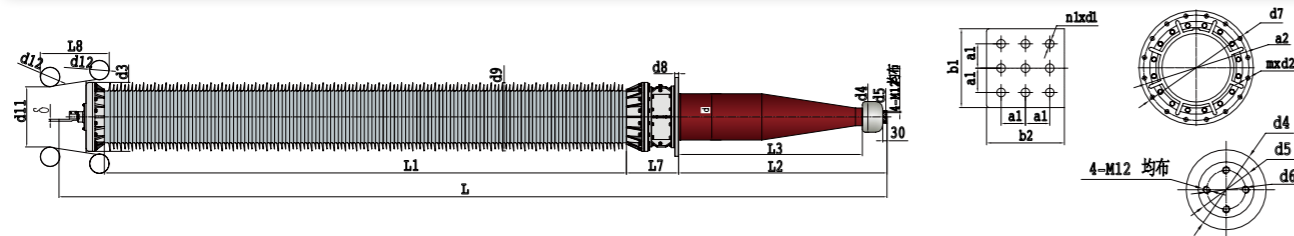
胶浸纤维 GIS 套管电气参数

RIF/RIS Dry-type Condenser GIS Bushing Electrical Specification

额定电压 Rated voltage (Um)	72.5	123/ 126	145	170	245/ 252	362/ 363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	140	230	275	325	460	510/ 570	630	740
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	630~8000							
介电损耗角正切 (%) Dielectric dissipation factor(tan)	增值	在 1.05Um/√3 和 Um 间 ≤ 0.1						
	increase value	at 1.05Um/√3 and Um value ≤ 0.1						
	最大值	在 1.05Um/√3 下测量 ≤ 0.5						
1.2Um/√3 电压下局部放电量 (pC) Partial discharge at 1.2Um/√3	≤ 5							
抽头对地耐受电压 (kV) Test tap insulation test	2							

胶浸纤维干式电容型 GIS 套管 (硅橡胶复合外绝缘)

RIS/RIF Dry-type Condenser GIS Bushing (Composite)



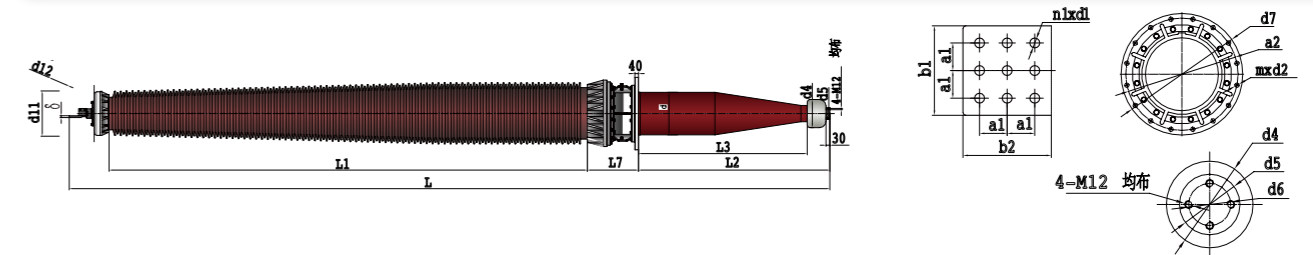
主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				SF <sub>6</sub> 端 SF <sub>6</sub> side				重量 Weight			
型号 Type	L	n1xd1	a1	Nxb1xb2	δ	d3	L1	L8	d9	d11	d12	d7	a2	mxd2	d8	L7	L2	d	L3	d4	d5	d6	kg
FEGRW-72.5/630-1250	1455	4×14	40	100×100	10	138	740	/	242	/	/	315	285	8×14	30	150	330	116	255	99	99	70	48
FEGRW-72.5/1600-2000	1475	4×18	50	100×100	16	138	740	/	242	/	/	315	285	8×14	30	150	330	116	255	99	99	70	50
FEGRW-72.5/2500-3150	1500	4×18	60	125×125	20	138	740	/	242	/	/	315	285	8×14	30	150	330	116	255	99	99	70	66
FEGRW-126/630-1250	2180	4×14	40	100×100	16	173	1250	/	276	/	/	365	335	8×14	30	150	545	148	450	99	99	70	88
FEGRW-126/1600-2000	2200	4×18	50	100×100	16	173	1250	/	276	/	/	365	335	8×14	30	150	545	148	450	99	99	70	90
FEGRW-126/2500-3150	2225	4×18	60	125×125	20	173	1250	/	276	/	/	365	335	8×14	30	150	545	148	450	99	99	70	110
FEGRW-252/630-2000	3615	4×18	50	100×100	16	285	2405	490	406	500	70	496	450	12×24	30	180	770	255	660	146	100	110	425
FEGRW-252/2500-3150	3750	9×18	65	200×220	20	285	2405	490	406	500	70	496	450	12×24	30	180	770	255	660	146	100	110	460
FEGRW-252/4000-5000	3780	9×18	65	200×220	30	285	2405	491	406	500	70	496	450	12×24	30	180	770	255	660	146	100	110	500
FEGRW-363/630-2000	5290	4×18	50	100×100	16	600	3400	560	543	640	120	690	640	16×24	35	410	1055	365	880	208	139	110	1400
FEGRW-363/2500-3150	5315	4×18	60	125×125	20	600	3400	560	543	640	120	690	640	16×24	35	410	1055	365	880	208	139	110	1470
FEGRW-363/4000	5375	6×18	60	112×170	20	600	3400	560	543	640	120	690	640	16×24	35	410	1055	365	880	208	139	110	1530
FEGRW-550/630-2000	7885	4×18	50	100×100	16	700	5300	700	595	610	200	750	700	16×24	40	530	1660	485	1485	248	139	110	3100
FEGRW-550/2500-3150	7910	4×18	60	125×125	20	700	5300	700	595	610	200	750	700	16×24	40	530	1660	485	1485	248	139	110	3200
FEGRW-550/4000	7970	6×18	60	112×170	20	700	5300	700	595	610	200	750	700	16×24	40	530	1660	485	1485	248	139	110	3280
FEGRW-550/5000	8020	12×18	50	2×112×160	20	700	5300	700	595	610	200	750	700	16×24	40	530	1660	495	1485	248	139	110	3400

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纤维干式电容型 GIS 套管 (瓷外绝缘)

RIF/RIS Dry-type Condenser GIS Bushing (Porcelain)



主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side										法兰 Flange				SF <sub>6</sub> 端 SF <sub>6</sub> side				重量 Weight			
型号 Type	L	n1xd1	a1	Nxb1xb2	δ	d3	L1	L8	d9	d11	d12	d7	a2	mxd2	d8	L7	L2	d	L3	d4	d5	d6	kg
EGRW-72.5/630-1250	1550	4×14	40	100×100	16	189	835	/	298	/	/	315	285	8×14	30	150	330	116	255	99	99	70	100
EGRW-72.5/1600-2000	1570	4×18	50	100×100	16	189	835	/	298	/	/	315	285	8×14	30	150	330	116	255	99	99	70	110
EGRW-72.5/2500-3150	1595	4×18	60	125×125	20	189	835	/	298	/	/	315	285	8×14	30	150	330	116	255	99	99	70	135
EGRW-126/630-1250	2300	4×14	40	100×100	16	340	1190	/	350	/	/	365	335	8×14	30	230	545	148	450	99	99	70	240
EGRW-126/1600-2000	2320	4×18	50	100×100	16	340	1190	/	350	/	/	365	335	8×14	30	230	545	148	450	99	99	70	250
EGRW-126/2500-3150	2210	4×18	60	125×125	20	340	1190	/	350	/	/	365	335	8×14	30	230	545	148	450	99	99	70	270
EGRW-252/630-2000	3675	4×18	50	100×100	16	340	2265	500	460	500	70	496	450	12×24	30	285	770	255	660	146	100	110	700
EGRW-252/2500-3150	3810	9×18	65	200×220	20	340	2265	500	460	500	70	496	450	12×24	30	285	770	255	660	146	100	110	720
EGRW-252/4000-5000	3840	9×18	65	200×220	30	340	2265	500	460	500	70	496	450	12×24	30	285	770	255	660	146	100	110	730
EGRW-363/630-2000	4985	4×18	50	100×100	16	440	3120	560	690	500	120	690	640	16×24	35	430	1055	365	880	208	139	110	1500
EGRW-363/2500-3150	5010	4×18	60	125×125	20	440	3120	560	690	500	120	690	640	16×24	35	430	1055	365	880	208	139	110	1520
EGRW-363/4000	5070	6×18	60	112×170	20	440	3120	560	690	500	120	690	640	16×24	35	430	1055	365	880	208	139	110	1590
EGRW-550/630-2000	7885	4×18	50	100×100	16	485	5285	700	686	500	200	750	700	16×24	40	565	1660	485	1485	248	139	110	3530
EGRW-550/2500-3150	7910	4×18	60	125×125	20	485	5285	700	686	500	200	750	700	16×24	40	565	1660	485	1485	248	139	110	3550
EGRW-550/4000	7970	6×18	60	112×170	20	485	5285	700	686	500	200	750	700	16×24	40	565	1660	485	1485	248	139	110	3600
EGRW-550/5000	8020	12×18	50	2×112×160	20	485	5285	700	686	500	200	750	700	16×24	40	565	1660	495	1485	248	139	110	3750

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。

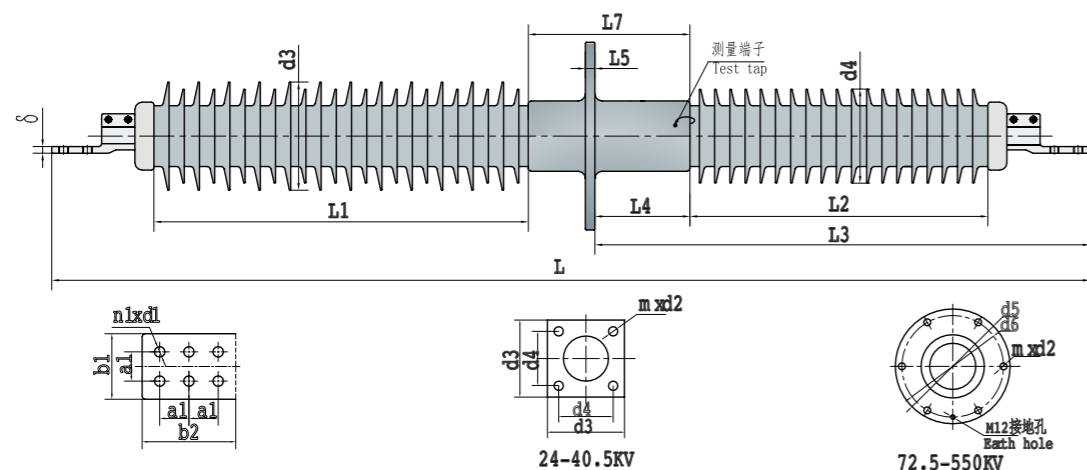
Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

胶浸纤维干式电容型穿墙套管电气参数

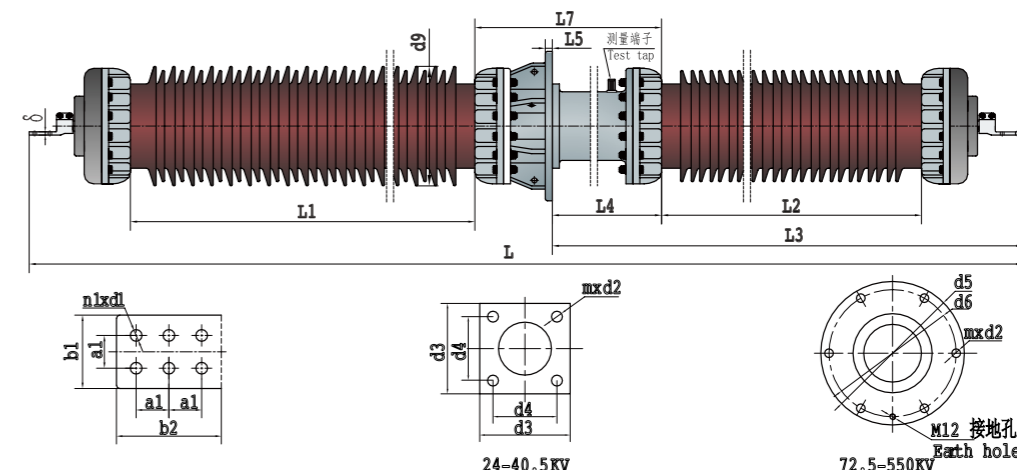
RIF/RIS Dry-type Condenser Wall Bushing Electrical specification

额定电压 Rated voltage (Um)	12	24	40.5	52	72.5	123/ 126	145	170	245/ 252	362/ 363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	39	61	95	105	140	230	275	325	460	510/ 570	630	680
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	75	125	200	250	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	630~8000											
介电损耗角正切 (%) Dielectric dissipation factor(tan)	增值	在 1.05Um/√3 和 Um 间 ≤ 0.1										
	increase value	at 1.05Um/√3 and Um value ≤ 0.1										
	最大值	在 1.05Um/√3 下测量 ≤ 0.7										
1.05Um/√3 电压下局部放电量 (pC) Partial discharge at 1.05Um/√3	≤ 10											
抽头对地耐受电压 (kV) Test tap insulation test	2											

**胶浸纤维干式电容型穿墙套管（载流式）（硅橡胶复合外绝缘）**  
RIF/RIS Dry-type Condenser Wall Bushing (Bottom connected) (Composite)



**胶浸纤维干式电容型穿墙套管（载流式）（瓷外绝缘）**  
RIF/RIS Dry-type Condenser Wall Bushing (Bottom connected) (Porcelain)



主要尺寸 (mm) Main dimension	总长 Total length	接线端子 Terminal			户外端 Outdoor side				法兰 Flange			户内端 Indoor side				重量 Weight	
型号 Type	L	n1xd1	a1	Nxb1xb2	δ	L1	d3	L7	L5	d6	d5	mxd2	L2	L3	L4	d4	kg
FECRW-24/630	1000	4x14	30	63x63	11	295	155	90	20	250x250	200x200	4x15	255	455	40	155	20
FECRW-24/2000	1100	4x18	50	100x100	16	295	155	90	20	250x250	200x200	4x15	255	505	40	155	23
FECRW-24/3150	1150	4x18	60	125x125	20	295	155	90	20	250x250	200x200	4x15	255	530	40	155	30
FECRW-40.5/630	1330	4x14	30	63x63	11	450	185	90	20	250x250	200x200	4x15	410	610	40	155	29
FECRW-40.5/2000	1430	4x18	50	100x100	16	450	185	90	20	250x250	200x200	4x15	410	660	40	155	36
FECRW-40.5/3150	1470	4x18	60	125x125	20	440	195	90	20	250x250	200x200	4x15	400	675	40	165	44
FECRWL-72.5/630	2660	4x14	30	63x63	11	700	219	520	20	400	350	6x24	660	1230	400	189	75
FECRWL-72.5/2000	2740	4x18	50	100x100	16	700	219	520	20	400	350	6x24	660	1270	400	189	85
FECRWL-72.5/3150	2790	4x18	60	125x125	20	700	219	520	20	400	350	6x24	660	1295	400	189	95
FECRWL-126/630	3410	4x14	30	63x63	11	1140	276	530	20	400	350	6x24	950	1520	400	236	150
FECRWL-126/2000	3490	4x18	50	100x100	16	1140	276	530	20	400	350	6x24	950	1560	400	236	165
FECRWL-126/3150	3540	4x18	50	100x100	20	1140	276	530	20	400	350	6x24	950	1585	400	236	185
FECRWL-252/630	5830	4x14	40	80x80	12	2060	406	650	30	660	600	16x24	1985	2705	500	376	575
FECRWL-252/3150	5910	4x18	60	125x125	20	2060	406	650	30	660	600	16x24	1985	2745	500	376	595
FECRWL-252/5000	6120	6x18	50	2x112x160	20	2060	406	650	30	660	600	16x24	1985	2850	500	376	655
FECRWL-363/630	8910	4x18	50	100x100	13	3400	543	1060	35	800	750	16x24	2980	4015	600	555	1790
FECRWL-363/3150	8990	4x18	60	125x125	20	3400	543	1060	35	800	750	16x24	2980	4055	600	555	1870
FECRWL-363/5000	9200	6x18	50	2x112x160	20	3400	543	1060	35	800	750	16x24	2980	4160	600	555	1960
FECRWL-550/630	12640	4x18	50	100x100	13	5200	690	1210	45	1200	1000	24x32	4600	5695	660	670	3000
FECRWL-550/3150	12720	4x18	60	125x125	20	5200	690	1210	45	1200	1000	24x32	4600	5735	660	670	3100
FECRWL-550/5000	12930	6x18	50	2x112x160	20	5200	690	1210	45	1200	1000	24x32	4600	5840	660	670	3200

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

主要尺寸 (mm) Main dimension	总长 Total length	接线端子 Terminal			户外端 Outdoor side				法兰 Flange			户内端 Indoor side				重量 Weight	
型号 Type	L	n1xd1	a1	Nxb1xb2	δ	L1	d3	L7	L5	d6	d5	mxd2	L2	L3	L4	d4	kg
ECRW-24/630	1280	4x14	30	63x63	11	295	155	160	20	250x250	200x200	4x15	255	580	80	155	60
ECRW-24/2000	1380	4x18	50	100x100	16	295	155	160	20	250x250	200x200	4x15	255	630	80	155	65
ECRW-24/3150	1430	4x18	60	125x125	20	295	155	160	20	250x250	200x200	4x15	255	655	80	155	75
ECRW-40.5/630	1590	4x14	30	63x63	11	450	185	160	20	250x250	200x200	4x15	410	735	80	155	90
ECRW-40.5/2000	1690	4x18	50	100x100	16	450	185	160	20	250x250	200x200	4x15	410	785	80	155	100
ECRW-40.5/3150	1720	4x18	60	125x125	20	440	195	160	20	250x250	200x200	4x15	400	800	80	165	110
ECRWL-72.5/630	2820	4x14	30	63x63	11	700	219	550	20	400	350	6x24	660	1315	400	189	180
ECRWL-72.5/2000	2900	4x18	50	100x100	16	700	219	550	20	400	350	6x24	660	1355	400	189	195
ECRWL-72.5/3150	2950	4x18	60	125x125	20	700	219	550	20	400	350	6x24	660	1380	400	189	220
ECRWL-126/630	3750	4x14	30	63x63	11	1140	276	630	20	400	350	6x24	950	1665	400	236	375
ECRWL-126/2000	3830	4x18	50	100x100	16	1140	276	630	20	400	350	6x24	950	1705	400	236	400
ECRWL-126/3150	3880	4x18	60	125x125	20	1140	276	630	20	400	350	6x24	950	1730	400	236	435
ECRWL-252/630	6190	4x14	40	80x80	12	2060	406	785	30	660	600	16x24	1985	2825	500	376	1300
ECRWL-252/3150	6270	4x18	50	125x125	20	2060	406	785	30	660	600	16x24	1985	2865	500	376	1360
ECRWL-252/4000	6480	6x18	50	2x112x160	20	2060	406	785	30	660	600	16x24	1985	2970	500	376	1420
ECRWL-363/630	8420	4x18	50	100x100	13	3120	595	990	35	800	750	16x24	2980	3945	600	555	2300
ECRWL-363/3150	8500	4x18	60	125x125	20	3120	595	990	35	800	750	16x24	2980	3985	600	555	2380
ECRWL-363/5000	8710	6x18	50	2x112x160	20	3120	595	990	35	800	750	16x24	2980	4090	600	555	2500
ECRWL-550/630	12670	4x18	50	100x100	13	5285	686	1225	45	1200	1000	24x32	4600	5710	660	646	4200
ECRWL-550/3150	12750	4x18	60	125x125	20	5285	686	1225	45	1200	1000	24x32	4600	5750	660	646	4300
ECRWL-550/5000	12960	6x18	50	2x112x160	20	5285	686	1225	45	1200	1000	24x32	4600	5855	660	646	4400

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

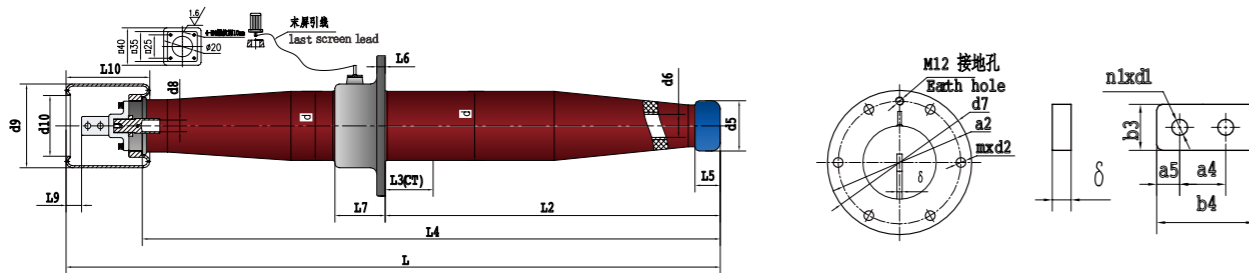
**胶浸纤维干式电容型油 / 油套管电气参数**

RIF/RIS Dry-type Condenser Oil/Oil Bushing Electrical Specification

额定电压 Rated voltage (Um)	72.5	126	145	170	252	362/ 363	420	550
1min 工频耐受电压 (kV) Power frequency withstand voltage 1min	140	230	275	325	460	510/ 570	560/ 630	680
雷电冲击耐受电压 (kV) Lightning impulse withstand voltage	325	550	650	750	1050	1175	1425	1675
额定电流 (A) Rated current	630~4000							
介质损耗角正切 (%) Dielectric dissipation factor(tan)	增值	在1.05Um/√3 和Um间≤0.1						
	最大值	在1.05Um/√3 下测量≤0.5						
	max. value	at 1.05Um/√3 value ≤0.5						
Um 电压下局部放电量 (pC) Partial discharge at Um	≤10							
抽头对地耐受电压 (kV) Test tap insulation test	2							

**胶浸纤维干式电容型油 / 油套管 (穿缆式)**

RIS/RIF Dry-type Condenser Oil/Oil Bushing (Draw lead)



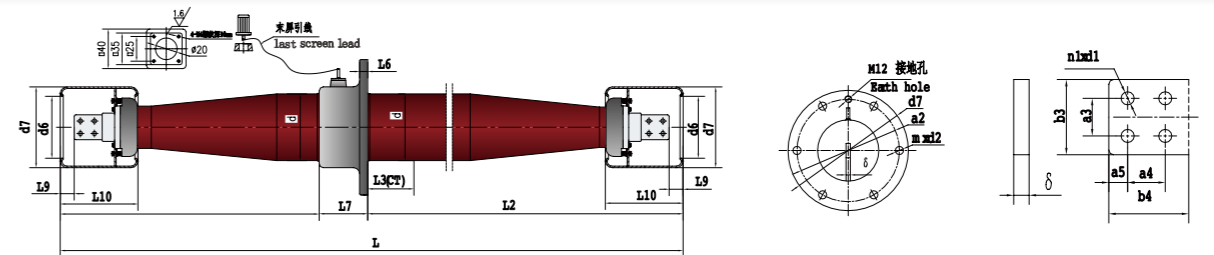
主要尺寸 (mm) Main dimension	总长 Total length	油端 Oil side										法兰 Flange			变压器 Transformer side					重量 Weight				
型号 Type	L	n1xd1	a4	a5	b3xb4	δ	d	d8	d9	d10	L9	L10	L4	L7	L6	a2	d7	mxd2	L2	L3	L5	d5	d6	kg
EORWL-72.5/630	1190	2×14	30	15	40×65	20	120	28	180	145	35	200	1050	90	20	250	290	8×14	610	250	60	110	40	36
EORWL-72.5/1250	1190	2×14	30	15	40×65	20	120	32	180	145	35	200	1050	90	20	250	290	8×14	610	250	60	110	40	38
EORWL-126/630	1660	2×14	30	15	40×65	20	162	28	200	145	35	200	1500	120	20	290	335	12×20	900	250	60	120	40	51
EORWL-126/1250	1660	2×14	30	15	40×65	20	162	32	200	145	35	200	1500	120	20	290	335	12×20	900	250	60	120	40	62
EORWL-145/630	1900	2×14	30	15	40×65	20	175	28	220	150	35	200	1750	120	20	350	400	12×20	1070	400	90	155	55	73
EORWL-145/1250	1900	2×14	30	15	40×65	20	175	32	220	150	35	200	1750	120	20	350	400	12×20	1070	400	90	155	55	85
EORWL-252/630	2580	2×14	30	15	40×65	20	280	28	240	160	60	230	2400	220	30	500	550	12×24	1330	400	130	245	60	205
EORWL-252/1250	2580	2×14	30	15	40×65	20	280	32	240	160	60	230	2400	220	30	500	550	12×24	1330	400	130	245	60	248
EORWL-363/630	3780	2×14	30	15	40×65	20	364	28	290	160	60	250	3600	260	40	600	660	12×24	1920	400	170	290	70	470
EORWL-363/1250	3780	2×14	30	15	40×65	20	365	32	290	160	60	250	3600	260	40	600	660	12×24	1920	400	170	290	70	475
EORWL-550/630	4120	2×14	30	15	40×65	20	485	28	350	230	90	380	3790	350	40	750	800	16×24	2115	600	240	380	80	1130
EORWL-550/1250	4120	2×14	30	15	40×65	20	485	32	350	230	90	380	3790	350	40	750	800	16×24	2115	600	240	380	80	1180

注：表中尺寸为参考尺寸，所有尺寸可以根据用户要求设计，以实际出图尺寸为准。

Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.

**胶浸纤维干式电容型油 / 油套管 (载流式)**

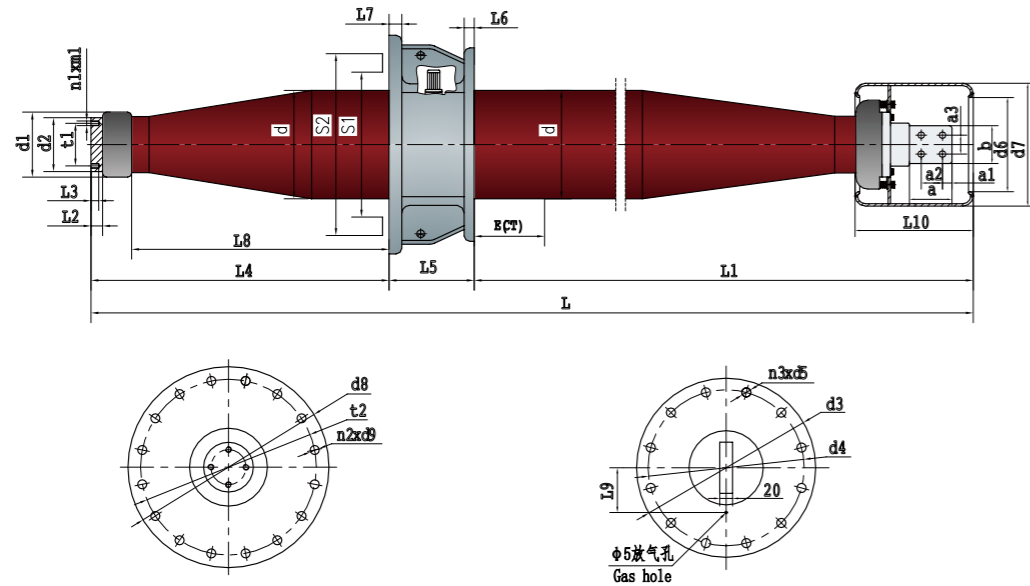
RIF/RIS Dry-type Condenser Oil/Oil Bushing (Bottom connected)



主要尺寸 (mm) Main dimension	总长 Total length	接线端子 Terminal					法兰 Flange					油端 Oil side					重量 Weight				
型号 Type	L	n1xd1	a3	a4	a5	b3xb4	δ	L7	L6	a2	d7	mxd2	L4	d	L2	L3	d7	d6	L10	L9	kg
EORWL-72.5/630-1250	1300	2×14	/	30	15	40×65	20	90	20	250	290	8×14	430	120	780	250	180	145	200	35	40
EORWL-72.5/2000-2500	1320	4×14	40	45	20	80×85	20	90	20	250	290	8×14	450	120	780	250	180	145	200	35	46
EORWL-72.5/3150	1360	4×14	40	45	20	80×85	20	90	20	250	290	8×14	470	120	800	250	200	165	220	35	50
EORWL-126/630-1250	1720	2×14	/	30	15	40×65	20	120	20	290	335	12×20	570	162	1030	250	200	145	200	35	55
EORWL-126/2000-2500	1740	4×14	40	45	20	80×85	20	120	20	290	335	12×20	590	162	1030	250	200	145	200	35	65
EORWL-126/3150	1780	4×14	40	45	20	80×85	20	120	20	290	335	12×20	610	162	1050	250	220	165	220	35	72
EORWL-145/630-1250	1950	2×14	/	30	15	40×65	20	120	20	350	400	12×20	650	175	1180	400	220	150	200	35	78
EORWL-145/2000-2500	1970	4×14	40	45	20	80×85	20	120	20	350	400	12×20	670	175	1180	400	220	150	200	35	90
EORWL-145/3150	2010	4×14	40	45	20	80×85	20	120	20	350	400	12×20	690	175	1200	400	240	160	220	35	100
EORWL-252/630-1250	2560	2×14	/	30	15	40×65	20	220	30	500	550	12×24	910	280	1430	400	240	160	230	60	220
EORWL-252/2000-2500	2580	4×14	40	45	20	80×85	20	220	30	500	550	12×24	930	280	1430	400	240	16			

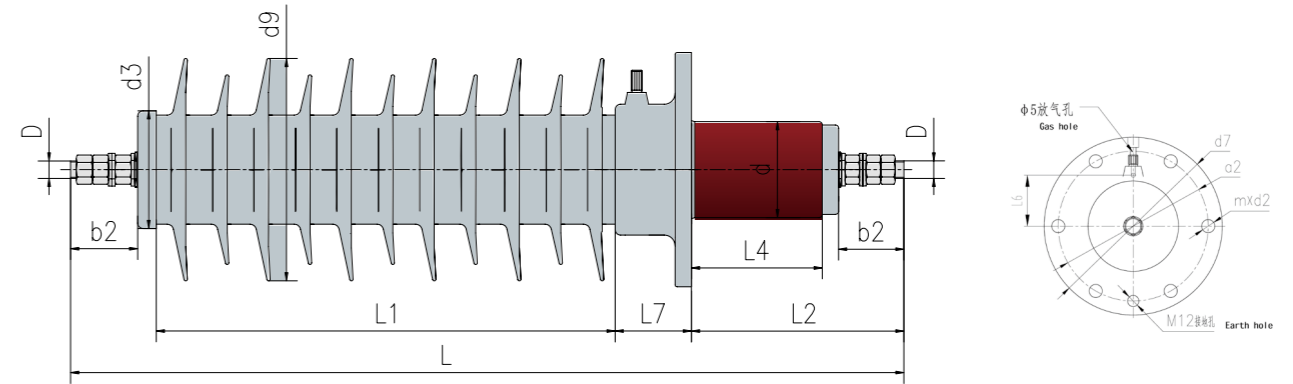
胶浸纤维干式电容型油/SF<sub>6</sub>套管 (载流式)

RIF/RIS Dry-type Condenser Oil/SF<sub>6</sub> Bushing (Bottom connected)



高强度复合电容型箱变专用套管

High Strength Composite Condenser Dry box-type Transformer Bushing



主要尺寸 (mm) Main dimension	总长 Total length	空气端 Air side				法兰 Flange				油端 Oil side				重量 Weight			
型号 Type	L	d3	L1	d9	b2	D	d7	a2	mxd2	L7	L6	L2	d	L4	b2	D	
GFRXB-40.5/100-315	770	108	415	205	60	M16	215	180	6×14	80	60	195	88	120	60	M16	25
GFRXB-40.5/400-630	770	108	415	205	60	M22	215	180	6×14	80	60	195	88	120	60	M22	25

主要尺寸 (mm) Main dimension	总长 Total length	SF <sub>6</sub> 端 SF <sub>6</sub> side				SF <sub>6</sub> 法兰 SF <sub>6</sub> side Flange				油端法兰 Oil side Flange				油端 Oil side				重量 Weight																
型号 Type	L	L4	L8	d	d1	d2	t1	n1xm1	L3	L2	S1	S2	d8	t2	n2xd9	L7	L5	L6	d3	d4	n3xd5	L9	L1	E	d7	d6	L10	a	a1	a2	a3	b	n4xd6	kg
EOGRWL-72.5/630-1250	1140	330	255	124	99	99	70	4×M12	20	30	200	260	315	285	8×16	22	150	20	335	290	12×20	79	660	200	150	125	200	65	15	30	/	40	2×14	42
EOGRWL-72.5/2000-2500	1190	330	255	124	99	99	70	4×M12	20	30	200	260	315	285	8×16	22	150	20	335	290	12×20	79	710	200	200	160	250	85	20	45	40	80	4×14	45
EOGRWL-72.5/3150	1190	330	255	124	99	99	70	4×M12	20	30	200	260	315	285	8×16	22	150	20	335	290	12×20	79	710	200	250	180	250	85	20	45	40	80	4×14	45
EOGRWL-126/630-1250	1820	520	420	150	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	90	1120	400	220	140	200	65	15	30	/	40	2×14	66
EOGRWL-126/2000-2500	1870	520	420	150	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	90	1170	400	260	180	250	85	20	45	40	80	4×14	70
EOGRWL-126/3150	1870	520	420	150	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	90	1170	400	260	180	250	85	20	45	40	80	4×14	81
EOGRWL-145/630-1250	1950	520	420	170	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	100	1250	400	220	140	200	65	15	30	/	40	2×14	76
EOGRWL-145/2000-2500	2000	520	420	170	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	100	1250	400	260	180	250	85	20	45	40	80	4×14	82
EOGRWL-145/3150	2000	520	420	170	128	99	70	4×M12	20	30	220	280	335	305	8×16	26	180	22	335	290	12×20	100	1250	400	260	180	250	85	20	45	40	80	4×14	95
EOGRWL-252/630-1250	2360	770	665	278	168	139	110	4×M12	25	30	450	510	565	535	16×16	32	220	26	500	450	12×22	155	1370	400	260	180	250	65	15	30	/	40	2×14	250
EOGRWL-252/2000-2500	2360	770	665	278	168	139	110	4×M12	25	30	450	510	565	535	16×16	32	220	26	500	450	12×22	155	1370	400	260	180	250	85	20	45	40	80	4×14	265
EOGRWL-252/3150	2360	770	665	278	168	139	110	4×M12	25	30	450	510	565	535	16×16	32	220	26	500	450	12×22	155	1370	400	260	180	250	85	20	45	40	80	4×14	287
EOGRWL-363/630-1250	3340	1330	1045	365	208	139	110	4×M12	25	30	540	600	690	640	16×20	36	260	30	650	600	16×24	200	1750	400	300	230	250	65	15	30	/	40	2×14	520
EOGRWL-363/2000-2500	3340	1330	1045	365	208	139	110	4×M12	25	30	540	600	690	640	16×20	36	260	30	650	600	16×24	200	1750	400	300	230	250	85	20	45	40	80	4×14	540
EOGRWL-363/3150	3340	1330	1045	365	208	139	110	4×M12	25	30	540	600	690	640	16×20	36	260	30	650	600	16×24	200	1750	400	300	230	250	85	20	45	40	80	4×14	540
EOGRWL-550/630-1250	4340	1475	1370	525	220	139	110	4×M12	25	30	540	600	800	750	16×20	35	300	30	800	750	16×24	280	2565	600	350	230	380	65	15	30	/	40	2×14	1200
EOGRWL-550/2000-2500	4340	1475	1370	525	220	139	110	4×M12	25	30	540	600	800	750	16×20	35	300	30	800	750	16×24	280	2565	600	350	230	380	85	20	45	40	80	4×14	1300
EOGRWL-550/3150	4340	1475	1370	525	220	139	110	4×M12	25	30	540	600	800	750	16×20	35	300	30	800	750	16×24	280	2565	600	350	230	380	85	20	45	40	80	4×14	1336

注: 表中尺寸为参考尺寸, 所有尺寸可以根据用户要求设计, 以实际出图尺寸为准。  
 Note: The dimensions in the table are for reference. All dimensions can be customized according to customer needs.



## 容性套管全方位智能实时感知系统

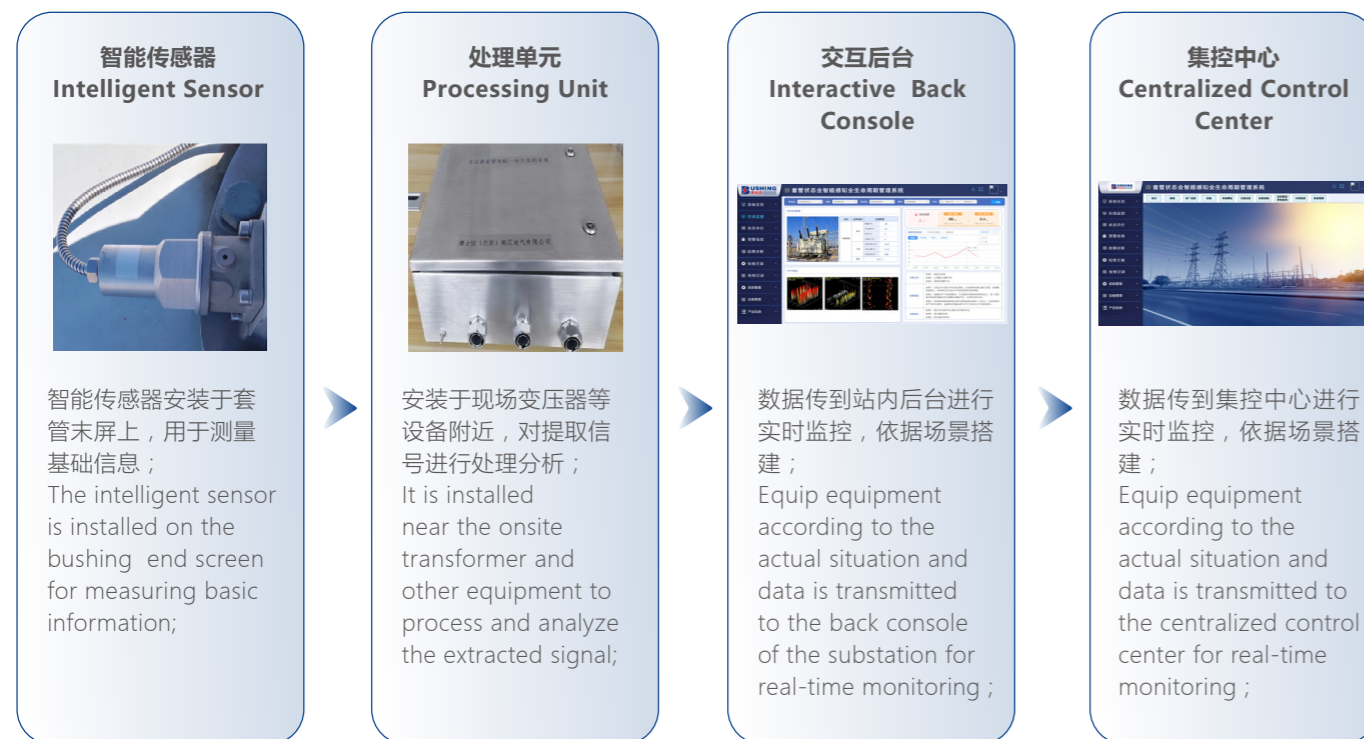
### Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System

#### 系统简介 System Introduction

变压器套管智能在线监测系统是博世因（北京）高压电气有限公司总结多年变压器套管测量的现场处理经验，采用最新传感器技术、信号处理器、计算机等技术手段和算法实现的新一代高性能数字化套管在线监测系统。实现对套管介损、电容量、泄漏电流、局部放电参数选择性实时准确测量与计算，并具有本地显示、后台数据监控及远程监控等多种功能。

Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System for Condenser Bushing is a new generation of high-performance digital bushing online monitoring system manufactured by Bushing (Beijing) company, which has summarized years of on-site processing experience in transformer bushing measurement and adopted the latest sensor technology, signal processor, computer and other technical means. Our product has the function of selectively and accurately online measuring the dielectric loss, capacitance, leakage current, and partial discharge parameters of the bushing, and has local display, back console data monitoring, and remote monitoring.

#### 系统概述 System Overview



#### 型号说明 Product Specification

编号 Serial number	产品名称 Product Name	产品型号 Product Type	配置及功能 Specifications and Functions
1	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-01A	本地实时显示套管介损、电容量、泄漏电流及局放数值。 Local real-time display of bushing dielectric loss, capacitance, leakage current, and partial discharge data.
2	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-01B	站内后台实时显示套管介损、电容量、泄漏电流及局放数值。 Real-time display of bushing dielectric loss, capacitance, leakage current, and partial discharge data in the station back console.
3	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-01C	远程集控中心后台实时显示套管介损、电容量、泄漏电流及局放数值。 The back console of the remote centralized control center displays real-time values of bushing dielectric loss, capacitance, leakage current, and partial discharge data.
4	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-02A	本地实时显示套管介损、电容量及泄漏电流数值。 Local real-time display of bushing dielectric loss, capacitance and leakage current data.
5	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-02B	站内后台实时显示套管介损、电容量及泄漏电流数值。 Real-time display of bushing dielectric loss, capacitance and leakage current data in the station back console.
6	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-02C	远程集控中心后台实时显示套管介损、电容量及泄漏电流数值。 The back console of the remote centralized control center displays real-time data of bushing dielectric loss, capacitance, leakage current, and partial discharge.
7	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-03A	本地实时显示套管局放数值。 Local real-time display of bushing partial discharge data.
8	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-03B	站内后台实时显示套管局放数值。 Real-time display of bushing partial discharge data in the station back console.
9	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-03C	远程集控中心后台实时显示套管局放数值。 The back console of the remote centralized control center displays real-time data of bushing partial discharge.
10	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-04A	本地实时显示套管泄漏电流数值。 Local real-time display of bushing leakage current data.
11	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-04B	站内后台实时显示套管泄漏电流数值。 Real-time display of bushing leakage current data in the station back console.
12	容性套管全方位智能实时感知系统 Capacitive Bushing Comprehensive Intelligent Real-time Monitoring System	BIRS/H-3-04C	远程集控中心后台实时显示套管泄漏电流数值。 The back console of the remote centralized control center displays real-time data of bushing leakage current.

