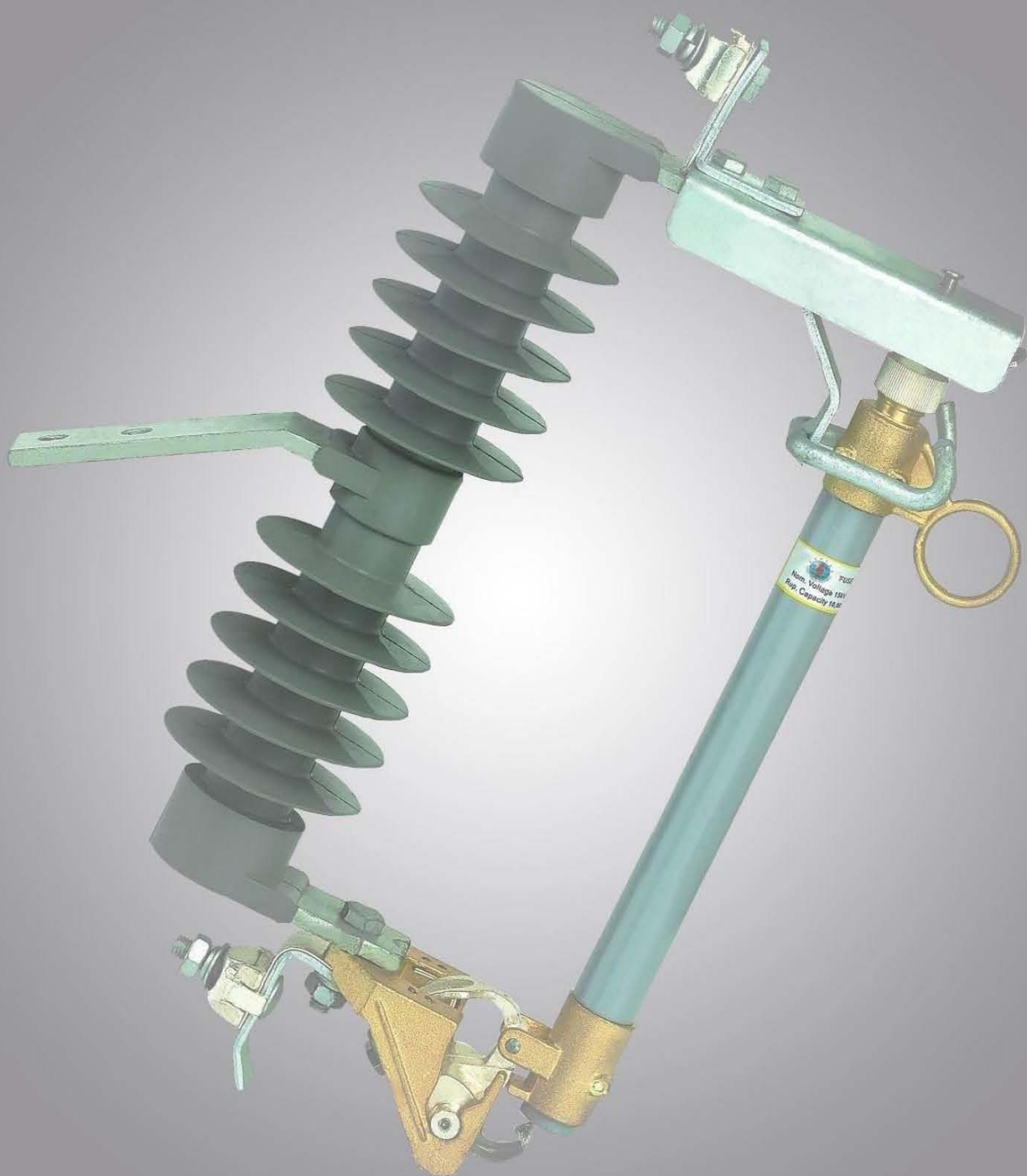


## Outdoor Type Polymeric Fuse Cutout



**Designed for tough conditions**  
12kv to 36kv



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## Application

Polymer cutout HRW series are designed to provide protection to the lines of your systems and distribution transformer against overload and short circuit damage.

## Ratings

We are able to offer several frame sizes to properly match each system BIL. Each fuse cutout support has universal contacts that accommodate a 100 A fuseholder, a 200 A fuseholder

## Interchangability

Our polymer cutout are designed to be electrically and mechanically interchangeable with the S&C type "XS", A.B. Chance type "C", ABB type "ICX" and Cooper type "L" cutouts, as well as all other fuse cutouts produced in accordance with the IEC 282, IEEE C37.41 and C37.42 standards.

## Efficient Current Transfer

HRW Polymer cutout has an copper current path and all contacts are silver plated. Terminals are tin plated brass alloy for use with copper or aluminum conductors

## Loadbreak Hooks

Standard galvanised steel hooks are fitted on HRW series cutouts for the use with a portable Loadbuster tool. The hooks are mounted under the top contact and serve as a guide for the fuse holder when closing at an off center angle.

## Top Contact

The top contact is designed to provide a smooth self aligning action during closing. The top contact is made of high quality brass alloy strip with silver plated embossments for efficient current transfer.

## Hinge

The hinge on the cutouts employs a large pivot area for the fuse holder's trunnion and is manufactured from brass for its strength and superior electrical properties. The hinge contacts are made of highly conductive copper alloy and silver-plated to ensure an efficient current transfer from the trunnion casting.

## Polymer Insulator

Our HRW cutout insulators are manufactured from HTV silicone rubber and have been evaluated with several material and technical analysis tests in accordance with IEC 61109-Annex C and ANSI C29-13-2000 Tracking & Erosion resistance. Creepage distances range from 360mm-960mm with different BIL.

Our polymer cutouts are pre-assembled to reduce your installation time.



Polymer fuse cutout insulator provides higher tensile strength, better flexibility, higher resistance to UV degradation and outstanding performance in highly polluted areas and other tough conditions .

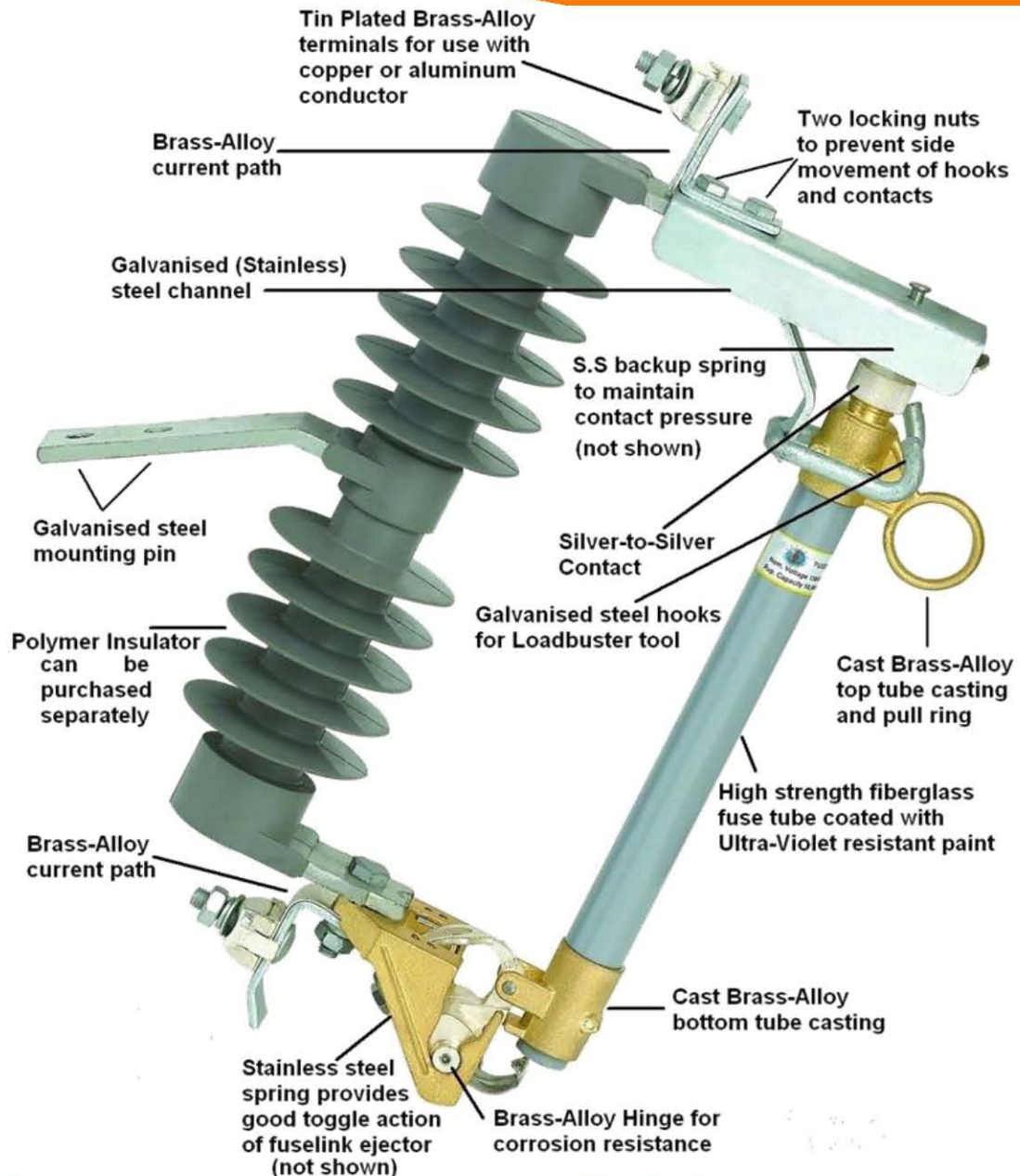
Polymer Cutout insulators in different sizes can be manufactured separately upon request.

★ OEM and ODM of polymer fuse cutout, and polymer cutout insulator are available.

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## Illustration of HRW Polymer Cutout



### Fuse Tube

The inside diameter of the 100A fuse tube increases the internal pressure, providing excellent and reliable expulsion action. The fuse tube is composed of a horn fiber liner surrounded by fiberglass wound outer shell with UV resistant coating, which permits a smaller bore and provides a higher burst strength.

### Higher interrupt capacities

By using a copper arc-shortening rod attached to the dome nut inside the top of the fuse tube, lowering the fuse link, higher interrupt ratings are obtainable. It is necessary to use fuse links with removable button heads when using an arc-shortening rod.

### Terminals

Tin plated copper alloy parallel groove type terminals are standard on HRW cutouts. They can accommodate aluminium or copper conductor sizes ranging from D6-D15mm. The parallel groove terminal is designed to accommodate two different size conductors, as is the case when arrestors are being used.

### Brackets

All mounting brackets are made of 304/314 steel and hot dip galvanised in compliance with ISO 1461. Stainless steel materials option is also available upon your request.



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## Fuse Cutout Specifications

Model	Rated Voltage	Rated Current	Interrupting Current	Creepage Distance	BIL	1min Power Freq. Withstand	Packing Dimension
	kV	A	A	mm	kV	kV	L×W×H (mm)
HRW1	12	100	6300	360	75	45	410×210×120
HRW1	12	200	12500	360	75	45	
HRW2	12	100	6300	300	125	45	410×210×120
HRW2	12	200	12500	300	125	45	
HRW3	12	100	6300	390	125	45	410×220×120
HRW3	12	200	12500	390	125	45	
HRW4	12	100	6300	430	125	45	530×370×145
HRW4	12	200	12500	430	125	45	
HRW5	15	100	6300	380	125	45	500×260×135
HRW5	15	200	10000	380	125	45	
HRW6	24	100	10000	620	150	68	500×360×135
HRW6	24	200	12000	620	150	68	
HRW7	24	100	10000	620	120	68	500×360×135
HRW7	24	200	12000	620	120	68	
HRW8	27	100	10000	620	125	68	520×360×140
HRW8	27	200	12000	620	125	68	
HRW9	27	100	10000	580	120	68	500×360×140
HRW9	27	200	12000	580	120	68	
HRW10	36	100	10000	960	170	80	660×360×140
HRW10	36	200	12000	960	170	80	

**Note:** OEM and ODM service in accordance with clients' drawing are available upon request.



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**FRP | Composite Insulator | Fuse Cutout | Switchgear | Power Fitting**

### Disclaimer

We reserve the right to change the dimension without notice, the final export cutouts shall be confirmed in accordance with clients' real needs, drawings and requirements of distribution systems.



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