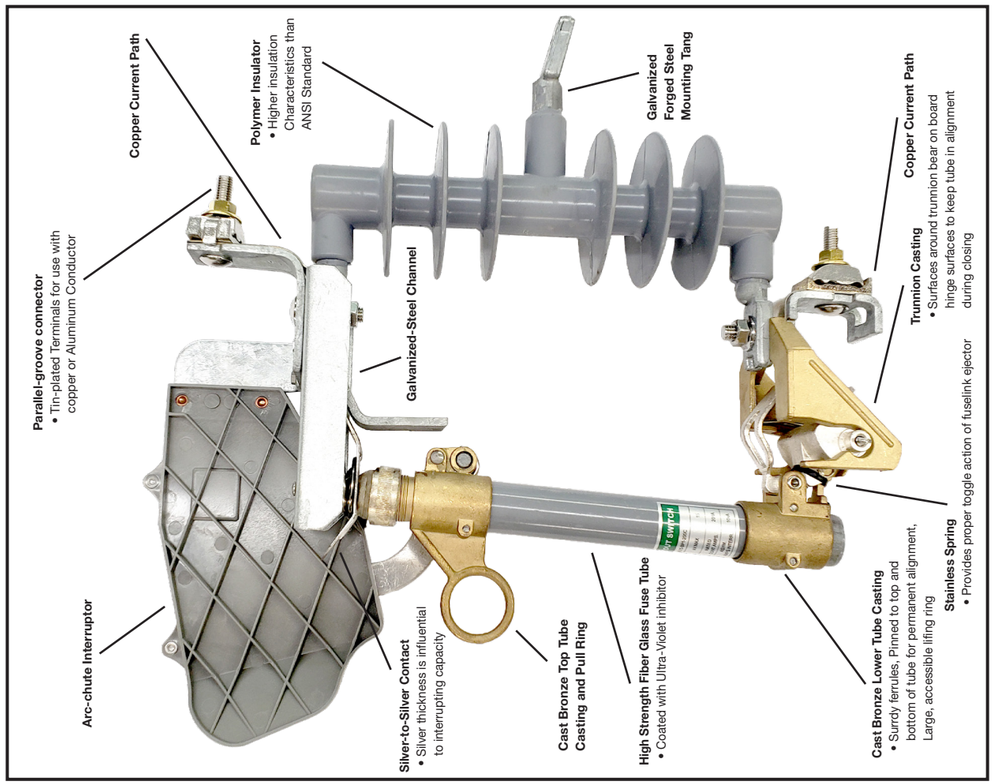
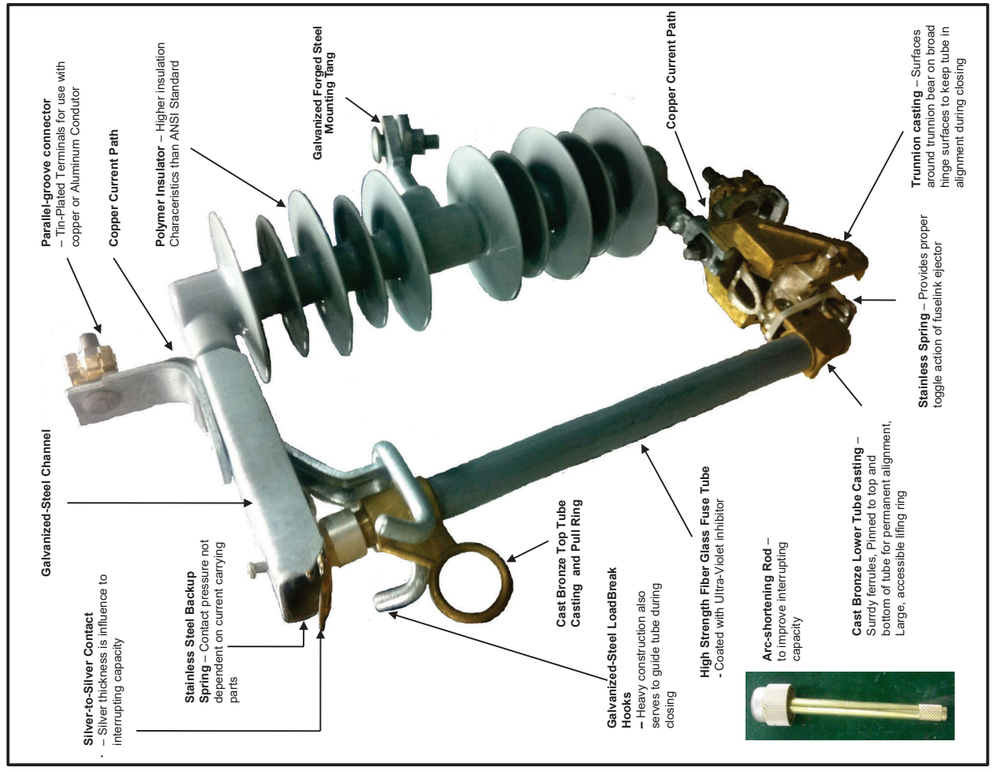
ARP™
Advanced Rubber Products
Div. of TMP Technologies Inc.

6110 Lamb Road • Wyoming, NY 14591 • Phone: 585.495.6231 • Fax: 585.495.6526
www.arp-hivoltageinsulators.com • email: info@arp-hivoltageinsulators.com

Construction of Polymer Load Break Cutouts



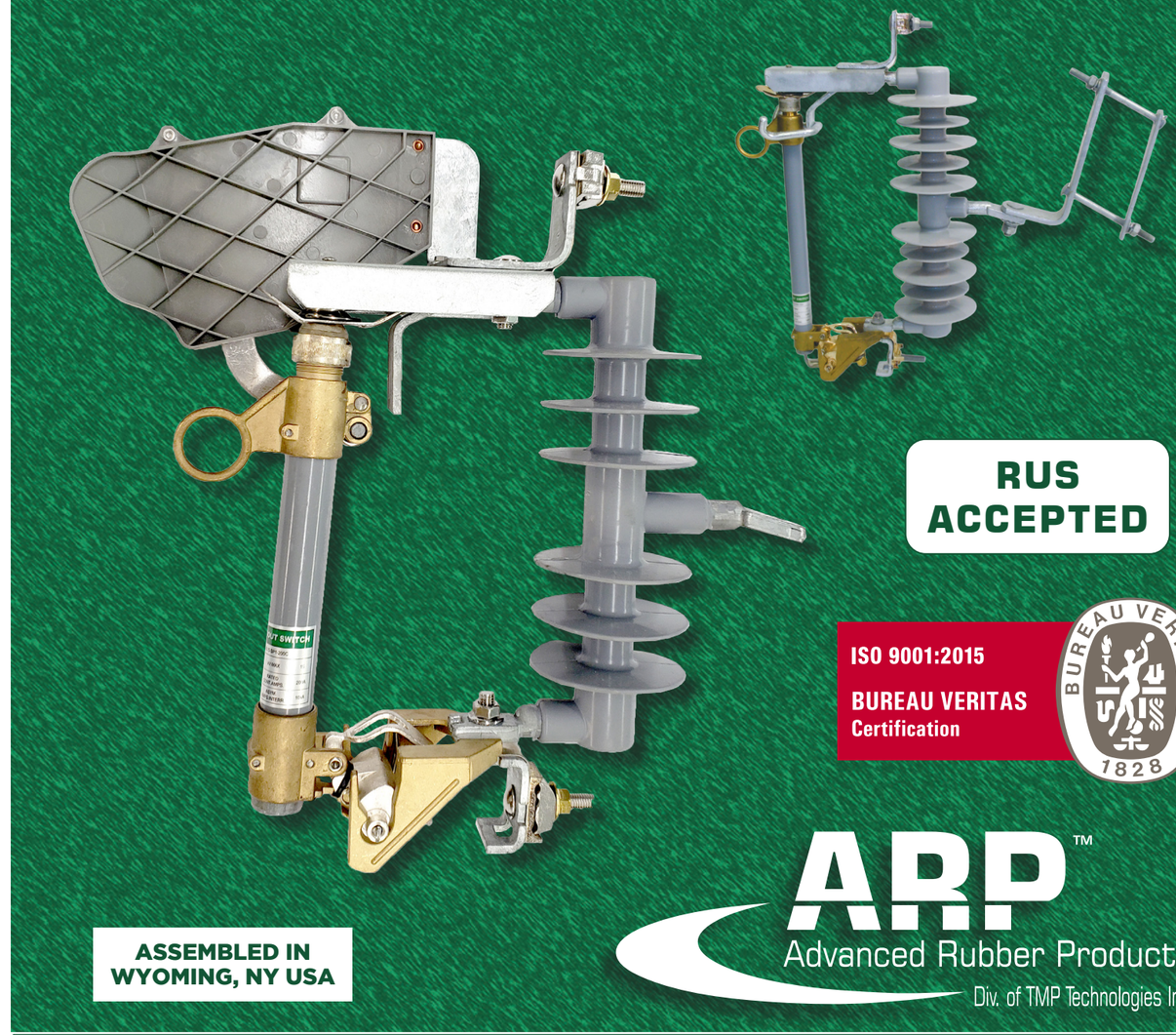
Construction of Galvanized Metal Polymer Cutouts



ADVANCED RUBBER PRODUCTS

15kV, 27kV, & 36kV — 100A & 200A
Load Break & Non-Load Break
Silicone Polymer Cutout Switches

Imagination fused with high technologies



RUS ACCEPTED

ISO 9001:2015
BUREAU VERITAS
Certification

ASSEMBLED IN WYOMING, NY USA

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ARP Silicone Polymer Cutout Advantages

- ARP Cutout Fuse Holders are interchangeable with most other manufacturers within the same voltage class.
- ARP Polymer Cutouts do not contain cement.
- Inner core is made from Epoxy Impregnated Fiber Glass Rod.
- All hardware is made from non-corrosive brass and stainless steel components.
- The use of our silicone rubber for the housing with its excellent Hydrophobisity helps ensure the switch does not accumulate contamination.
- Our Silicone Rubber housing has high resistance to Ozone and UV.
- The use of our Silicone Rubber also reduces the damage caused by vandalism and rough handling by Linemen in the field.

Non-Loadbreak Cutouts

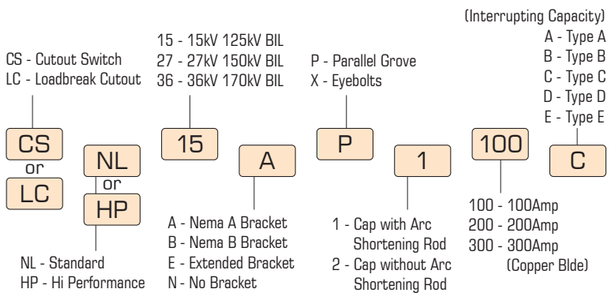
- "NL" Standard version with metal fittings that are crimped simultaneously for accurate alignment on a 22mm/.95" diameter fiberglass rod
- "HP" Hi Performance version that can achieve interrupting capacities up to Type "E" applications which have 10.6kA Symmetrical and 16.0kA Asymmetrical values by utilizing a larger fiberglass rod that is 30mm/1.18" in diameter with larger metal end fittings which are all crimped simultaneously to ensure accurate alignment and a strong housing which can withstand the higher forces created during faults that are caused when the "HP" version is used in Type "E" applications.

LOADBREAK CUTOUT

- The Arc Shute is made from Arc-Quenching materials that can absorb the arcing during disconnect.
- The use of a HotStick is all that is required to operate this switch.
- The fuse remains intact during operation of the switch.
- No special tools are required.

FUSE Holder

- The ⅝" inside diameter of the Non-Loadbreak Fuse Tube and ¾" inside diameter of the Loadbreak Fuse Tube are designed for 100AMP & 200AMP applications, are made from Arc-Quenching materials, and are bonded to the outside tube that is treated with a UV resistant coating.
- ARP Fuse-Tubes accept fuse links from all major suppliers.
- ARP Fuse-Tubes are supplied with or without an arc shortening rod secured by the top cap. When an Arc Shortening Rod is used the results are a shorter arc to achieve less arc energy and higher interrupting capability.



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- ARC ROD, see ARP Cutout Interrupting Chart for recommendations

MOUNTING HARDWARE

- ARP Cutouts are supplied with galvanized steel NEMA "A", NEMA "B" and extended versions components that are necessary for Crossarm Mounting and Surge Arrestor Mounting.
- ARP Cutouts can be ordered without mounting hardware.
- "ARP" offers the Parallel Groove Clamp with Stainless Steel Bolts and Bronze Nuts to prevent gualing. "ARP also offers the "X" Type Eye Bolt type cable clamps accepting up to 0.625" diameter cables.
- ARP Cutouts are packaged one per box—mounting hardware when included is packaged in a box to prevent damage to the Cutout.

Fuse Tube Construction

- ARP's Cutout Fuse Tubes for 100AMP and 200AMP devices have an outer layer of E-Glass coated with a special Ultra-Violet coating to protect the tube from weather and the environment. The inner liner with a .625 ID for 100AMP and a .775 ID for 200AMP, is made from a synthetic arc-quenching material consisting of Polyester Fiber, Epoxy and Aluminum Tri-Hydrate, that is bonded to the Tubes outer shell that provides a moisture source working to extinguish the arc during fault interruption.

  The internal diameter dimensions of the ARP Fuse Tubes, allows for a wide range of various manufacturers fuses to be used.

Warranty

- ARP offers a 10 year warranty for materials and workmanship on all Non-Loadbreak and Loadbreak cutouts.

LCNL, LCHP, CSNL & CSHP Technical Specifications

Our BIL Ratings exceed competitors values.

15kV - 125 kV BIL | 25kV - 150 kV BIL
36kV - 170 kV BIL

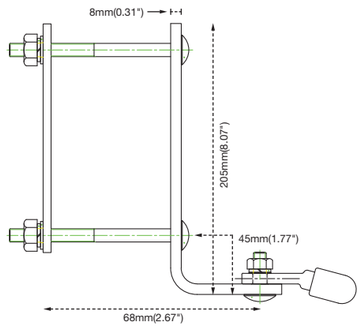
Leakage Values: **ARP leakage distances are larger than most competitors as a result of over-molding the end fittings**

Rated Voltage	Rated Current	BIL	Leakage Values	Fuse Holder
15kV	300A	125kV	14.57(inches) (370mm)	100A
				200A
27kV	300A	150kV	22.83(inches) (580mm)	100A
				200A
36kV	300A	170kV	42.52(inches) (1080mm)	100A
				200A
15kV	300A	125kV	14.57(inches) (370mm)	100A
				200A
27kV	300A	150kV	22.83(inches) (580mm)	100A
				200A
36kV	300A	170kV	42.52(inches) (1080mm)	100A
				200A

Interrupting Capacity	Type	A	B	C	D	E HP ONLY
	Symmetrical(kA)	4.5	5.0	7.1	8.0	10.6
	Asymmetrical(kA)	6.3	8.0	10.0	12.0	16.0

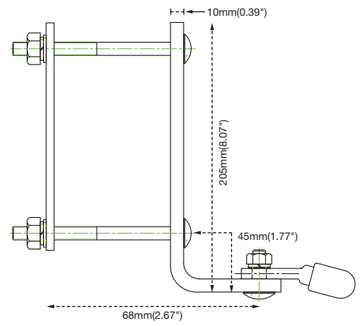
NEMA TYPE A MOUNTING BRACKET

CATALOG NO. ARP-CBA



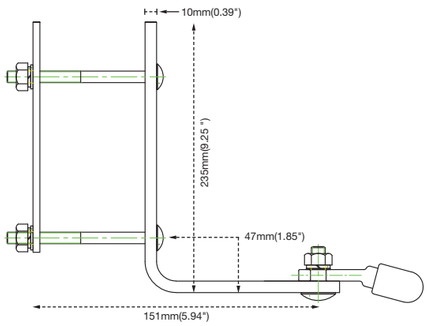
NEMA TYPE B MOUNTING BRACKET

CATALOG NO. ARP-CBB



EXTENDED TYPE MOUNTING BRACKET

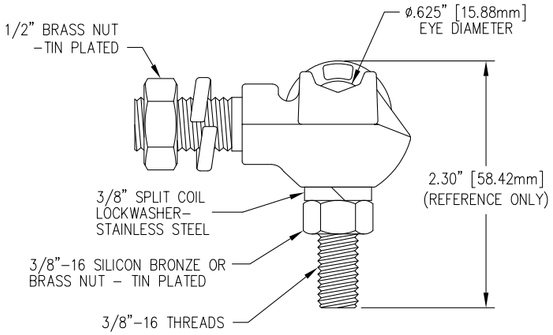
CATALOG NO. ARP-CBE



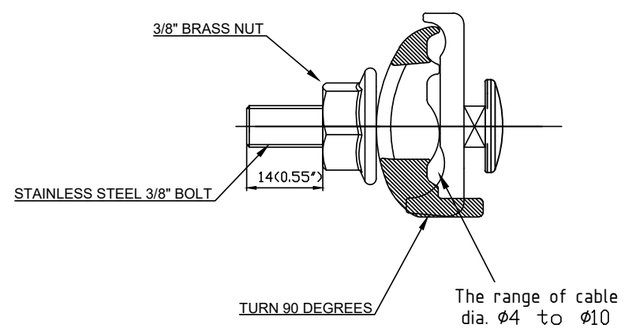
NOTE:

1. Brackets are made from carbon steel castings(Grade ANSI 1035) and galvanized.
2. Dimensions unless otherwise noted are in accordance with ANSI C37.42 Type A & B Mounting Brackets.
3. All dimensions are measured after hot galvanized.
4. Thickness of Hot Galvanized 70㎛↑(Min), 80㎛↑(Avg)

X-TYPE EYEBOLT



PARALLEL GROOVE CLAMP



"ARP" Cutout Interrupting Capacity Recommendation

	Cutout Voltage	Rated AMP's	TYPE A 6.3kA(Assy.)	TYPE B 8.0kA(Assy.)	TYPE C 10.0kA(Assy.)	TYPE D 12.0kA(Assy.)	TYPE E 16.0kA(Assy.)
Use of Arc Shortening Rod to Achieve Interrupting Capacities Type CSNL & CSHP	15KV	100	Without Arc shortening Rod	Without Arc shortening Rod	Without Arc shortening Rod	Without Arc shortening Rod	With Arc shortening Rod
	15KV	200	Without Arc shortening Rod	Without Arc shortening Rod	Without Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod
	27KV	100	Without Arc shortening Rod	Without Arc shortening Rod	Without Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod
	27KV	200	Without Arc shortening Rod	Without Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod
	36KV	100	Without Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod
	36KV	200	With Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod	With Arc shortening Rod

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