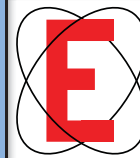


DRY-WELL FUSEHOLDER FOR CURRENT LIMITING FUSES



ECI, ERMCO Components Inc.
1607 Industrial Road
Greenville, TN 37745
Phone: (423) 638-2302
Toll Free: (877) 267-1855
Fax (423) 636-6492



The growth in dead-front pad-mount transformers requires a method of placing dead-front type current-limiting fuses within the transformer. ERMCO Components' dry-well fuseholder design is suited to both single- and three-phase pad-mount applications.

With the addition of the loadbreak function, the fuseholder provides an economical combination current-limiting fuse and loadbreak switch. The design provides the benefit of easy hotstick operability to a single fuse.

BEYOND THE STANDARD

The trend towards higher system voltage, increased load density, and larger substations has caused higher fault current potentials on the distribution system and the need to interrupt those higher currents when a fault exists. Current-limiting fusing provides both a high interrupting current rating and limits the peak value of current and the amount of energy to within acceptable levels for protection of the transformer.

Improved Design

Housing - The dry-well housing consists of filament-wound glass tubing with a resin-rich outer surface. This outer surface serves as the barrier against oil permeation through the tubing wall. (See Figures 2-4 and 6-8).

Dry-well fuseholder location - In padmounted transformer applications, the dry-well fuseholder is mounted on the transformer front plate, below the oil level. Because the current-limiting fuses that these fuse-holders are designed to accept will not function properly if exposed to transformer oil, the interior of the fuseholder must remain oil tight.

Non-loadbreak fuseholders

Non-loadbreak fuseholders for padmounted transformer applications are available at 8.3, 15.2, and 21.1 kV (125 kV BIL), both standard and submersible construction. The 21.1 kV (150 kV BIL) rating is available in standard construction only. The applicable device ratings are listed in [Table 1](#).

For those applications where an interlocked loadbreak switch is not used in conjunction with the non-loadbreak fuseholder, an important feature of the non-loadbreak fuseholder is an integral warning nameplate to warn against operation while energized, and safety support that must be moved to gain access to the fuse (see [Figure 35 on page 19](#)). This optional warning nameplate assembly is available from ERMCO Components, Inc.

Loadbreak fuseholders

The ERMCO Components loadbreak current-limiting fuseholder functions both as a dry-well holder and as a loadbreak switch. The rod and bore principle, upon which loadbreak termination operations is based, is the means by which switching is accomplished within the fuseholder. Fuse removal is accomplished by a hotstick.

The material that provides the arcquenching action is a formulation developed for use in ECI Sure Make terminations. It has superior properties that maximize the number of switching operations while providing excellent thermal stability. Testing resulted in the fuseholder loadbreak ratings listed in [Table 2](#).

ECI also has an 8.3 kV three-phase rated loadbreak fuse tube.



[Dry-well Fuseholder Test Report](#)

For more information about the Dry-well Fuseholder, contact your Ermco Components representative or call (877) 267-1855

Table 1 Non-Loadbreak - Standard and Submersible				
Line to Ground	8.3 kV	15.2 kV	21.1 kV	21.1 kV**
Impulse Withstand	95 kV	125 kV BIL	125 kV BIL	150 kV BIL
Corona Extinction	11 kV	19 kV	26 kV	26 kV
Momentary Current (without fuse)	10,000 Amps*	10,000 Amps*	10,000 Amps*	10,000 Amps*
Continuous Current (without fuse)	160 Amps*	160 Amps*	160 Amps*	160 Amps*
Max Fault Current	EQUAL TO FUSE RATING			
Interrupting Ability				

*rms Symmetrical

** Not available in submersible design



Figure 1 (8.3, 15.2, or 21.1 kV)

Typical non-loadbreak fuseholder warning nameplate assembly.

[\(See page 19 for details\)](#)



Figure 2 (8.3, 15.2, or 21.1 kV)

Typical non-loadbreak standard construction fuseholder and current-limiting fuse assembly.

- Fuse not included

[\(See pages 6-7 for details\)](#)



Figure 3 (21.1 kV)

Non-loadbreak 150 BIL standard construction fuseholder and current-limiting fuse assembly.

- Fuse not included

[\(See pages 8-9 for details\)](#)

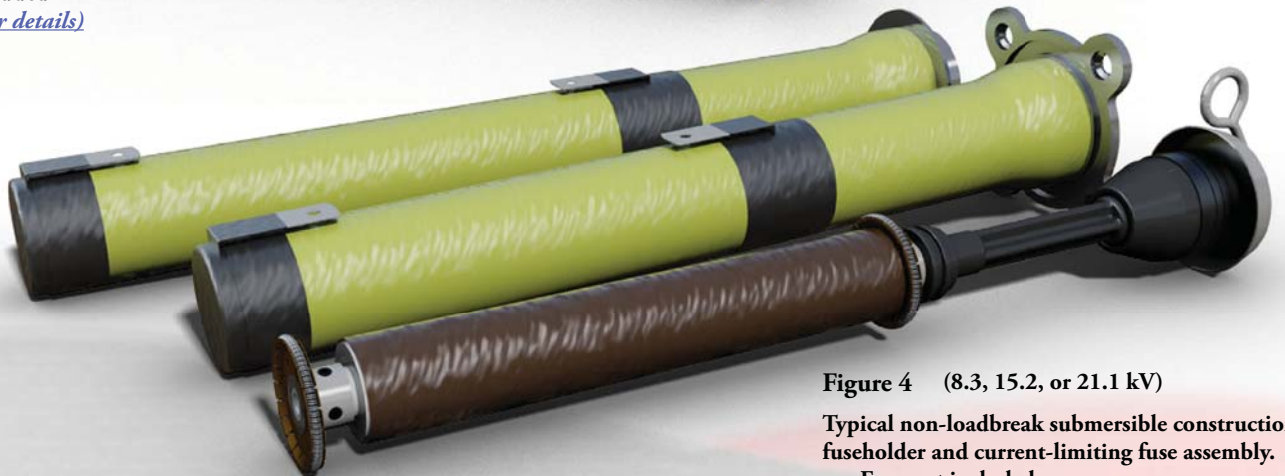


Figure 4 (8.3, 15.2, or 21.1 kV)

Typical non-loadbreak submersible construction fuseholder and current-limiting fuse assembly.

- Fuse not included

[\(See pages 10-13 for details\)](#)

Table 2 Loadbreak			
Line to Ground	8.3 kV (1Ø)	8.3 / 14.4 kV (3Ø)	15.2 kV (1Ø)
Impulse Withstand	95 kV BIL	95 kV BIL	125 kV BIL
Corona Extinction	11 kV	11 kV	19 kV
Momentary Current (without fuse)	10,000 Amps*	10,000 Amps*	10,000 Amps*
Continuous Current (without fuse)	160 Amps*	160 Amps*	160 Amps*
Max Fault Current	EQUAL TO FUSE RATING		
Interrupting Ability	EQUAL TO FUSE RATING		
Load Make Operations at 200 A, 75% Power Factor	20	20	10
Load Break Operations at 200 A, 75% Power Factor	20	20	10
Loadbreak Current	200	150	200

*rms Symmetrical

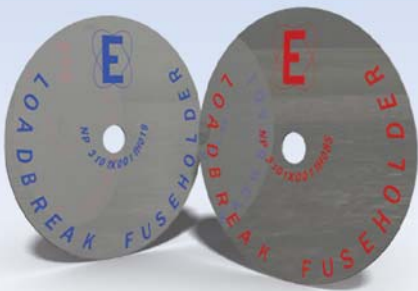


Figure 5

Cap nameplate:

For 1Ø application, designed by blue ink.

For 3Ø application, designed by red ink.



Figure 6 (8.3 or 15.2 kV) - Single-phase
Typical loadbreak standard construction
fuseholder and current-limiting fuse assembly.
- Fuse not included
[\(See pages 14-16 for details\)](#)



Figure 7 (8.3 kV) - Three-phase

Typical loadbreak standard construction
fuseholder and current-limiting fuse assembly.

- Fuse not included

[\(See pages 14-16 for details\)](#)

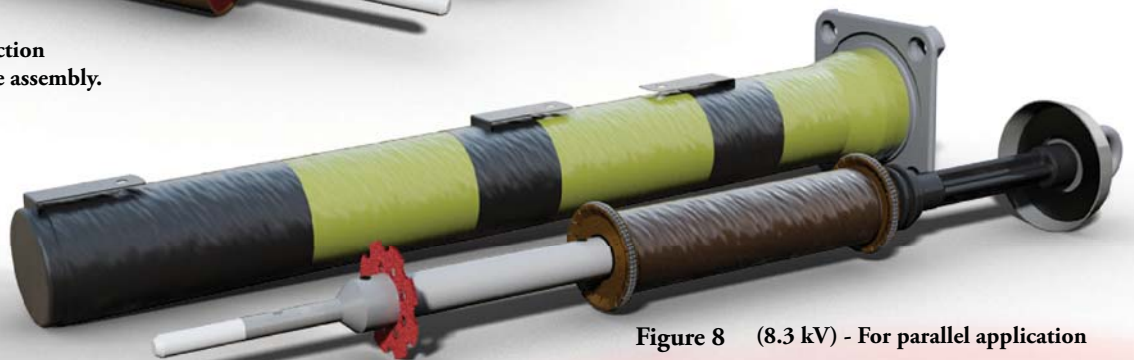


Figure 8 (8.3 kV) - For parallel application
Typical loadbreak standard construction
fuseholder and current-limiting fuse assembly.
- Fuse not included
[\(See pages 17-18 for details\)](#)

Ordering Information and Details

Non-Loadbreak					
Aluminum Flange Canister Assembly Drawout Rod Assembly with Plated or Stainless Steel Cap					
Catalog Number	kV	BIL	Fuseholder Cap	Description	
7559ZC8399	21.1	125 kV	Plated Steel	Typical non-loadbreak standard construction fuseholder and current limiting fuse assembly	For more information see pages 6 and 7
7559ZG8399	21.1	125 kV	Stainless Steel		
7559ZC8499	15.2	125 kV	Plated Steel		
7559ZG8499	15.2	125 kV	Stainless Steel		
7559ZC8599	8.3	95 kV	Plated Steel		
7559ZG8599	8.3	95 kV	Stainless Steel		

Note: Aluminum flange canister units listed above replaced the plastic flange canister units effective approximately April 1, 1988.
Aluminum flange units are direct replacements for plastic flange units.

Non-Loadbreak				
Plastic Flange Canister Assembly Drawout Rod Assembly with Plated Steel Cap				
Catalog Number	kV	BIL	Description	
7559ZC2599	21.1	150 kV	Typical non-loadbreak standard construction fuseholder and current limiting fuse assembly	For more information see pages 8 and 9

Submersible-Non-Loadbreak					
4 Bolt Stainless Steel Flange Canister Assembly Drawout Rod/Plug Assembly with Stainless Steel Cap					
Catalog Number	kV	BIL	End Cap Stud 0.250-20-2B	Description	
7509ZE0199	8.3	95 kV	No	Typical non-loadbreak submersible construction fuseholder and current limiting fuse assembly	For more information see pages 10 and 11
7509ZE3199	8.3	95 kV	Yes		
7509ZE0299	15.2	125 kV	No		
7509ZE3299	15.2	125 kV	Yes		
7509ZE0399	21.1	125 kV	No		
7509ZE3399	21.1	125 kV	Yes		

Submersible-Non-Loadbreak					
Stainless Steel Flange Canister Assembly (Welded to Tank) Drawout Rod/Plug Assembly with Stainless Steel Cap					
Catalog Number	kV	BIL	End Cap Stud 0.250-20-2B	Description	
7559ZE1199	8.3	95 kV	No	Typical non-loadbreak standard construction fuseholder and current limiting fuse assembly	For more information see pages 12 and 13
7559ZE2199	8.3	95 kV	Yes		
7559ZE1299	15.2	125 kV	No		
7559ZE2299	15.2	125 kV	Yes		
7559ZE1399	21.1	125 kV	No		
7559ZE2399	21.1	125 kV	Yes		

Ordering Information and Details

Loadbreak					
Aluminum Flange Canister Assembly Drawout Rod Assembly with Plated Steel Cap					
Catalog Number	kV	BIL	Fuseholder Cap	Description	<i>For more information see pages 14 - 16</i>
7559ZB8299	8.3	95 kV	Plated Steel	Single-Phase Typical loadbreak standard construction fuseholder and current limiting fuse assembly	
7559ZF8299	8.3	95 kV	Stainless Steel		
7559ZB8399	15.2	125 kV	Plated Steel		
7559ZF8399	15.2	125 kV	Stainless Steel		
7559ZB8499	8.3	95 kV	Plated Steel	Three-Phase Typical loadbreak standard construction fuseholder and current limiting fuse assembly	
7559ZF8499	8.3	95 kV	Stainless Steel		

Loadbreak				
Aluminum Flange Canister Assembly Drawout Rod Assembly with Plated Steel Cap				
Catalog Number	kV	BIL	Description	<i>For more information see pages 17 and 18</i>
7559ZB8899	8.3	95 kV	Parallel Application Typical loadbreak standard construction fuseholder and current limiting fuse assembly	

Note: Aluminum flange canister units listed above replaced the plastic flange canister units effective approximately April 1, 1988.
Aluminum flange units are direct replacements for plastic flange units.

Accessories			
Catalog Number	Description		
7559ZC2099	Warning Nameplate		<i>For more information see page 19</i>
7559ZC2199			
7559ZB6099	Fuse Adapter - 8.3 to 23.0 kV		<i>For more information see page 20</i>
7559ZB6199	Fuse Adapter - 15.2 to 23.0 kV		
7559ZB6299	Fuse Adapter - 8.3 to 15.2 kV		



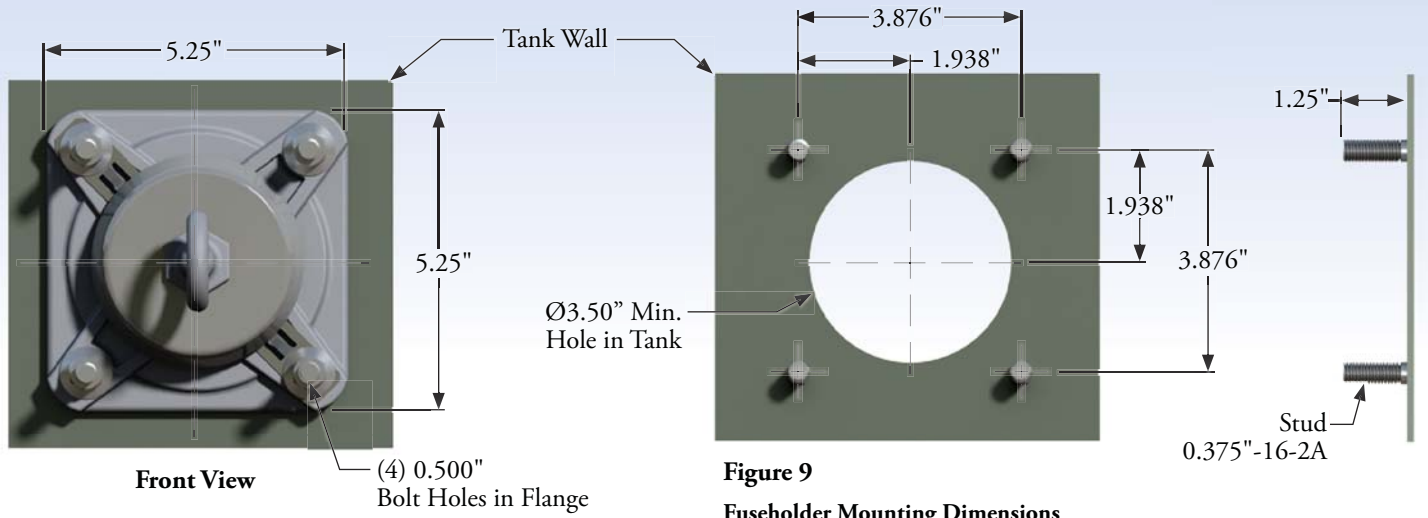
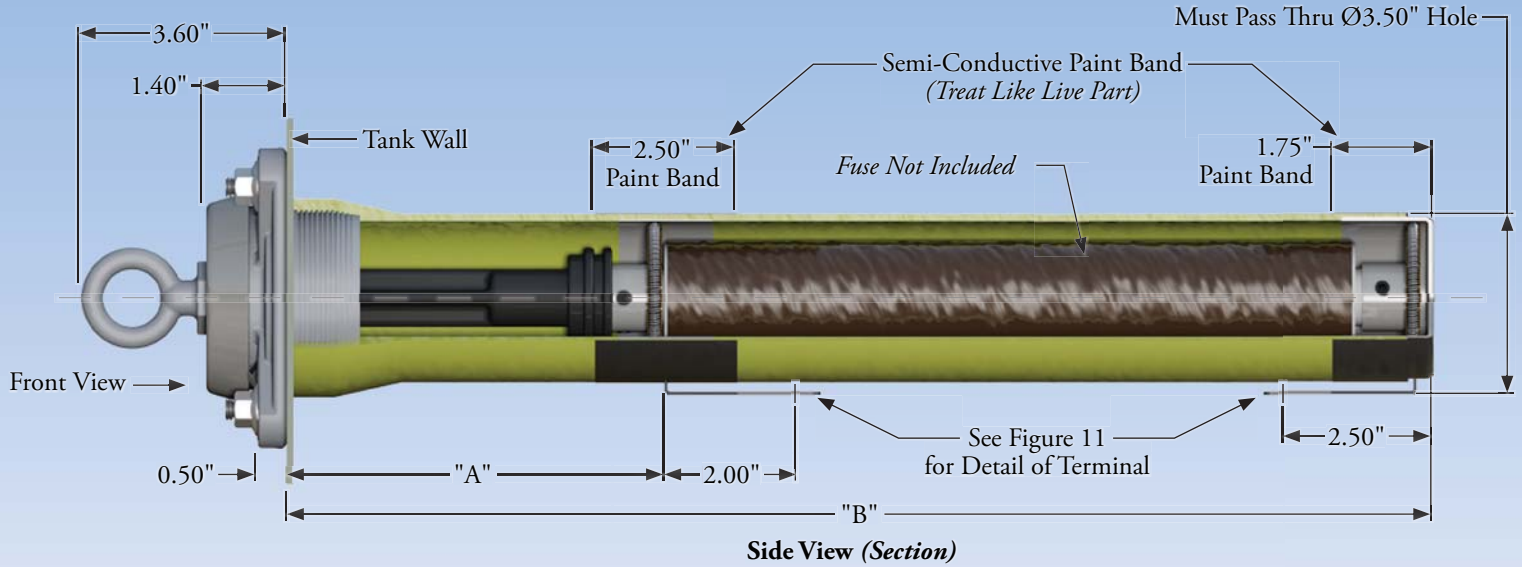


Figure 9
Fuseholder Mounting Dimensions

Engineering Data			
Fuseholder Cap	Catalog Number		
Plated Steel	7559ZC8399	7559ZC8499	7559ZC8599
Stainless Steel	7559ZG8399	7559ZG8499	7559ZG8599
"A"	6.68"	6.68"	5.58"
"B"	22.84"	20.04"	14.44"
Max Voltage Rating	21.1 kV	15.2 kV	8.3 kV
BIL	125 kV	125 kV	95 kV
HIPOT	50 kV	40 kV	34 kV
Corona Extinction	26 kV	19 kV	11 kV
Continuous Current Rating (Unfused)	160 A	160 A	160 A
Momentary Current Rating (Unfused)	10,000 A RMS SYM (10 Cycles)	10,000 A RMS SYM (10 Cycles)	10,000 A RMS SYM (10 Cycles)
Acceptable Fuses (Cooper or HiTech) (Must Be Ordered Separately)	23 kV - All Sizes Thru 25 A	15.5 kV - All Sizes Thru 40 A	2.8 & 4.3 kV - All Sizes Thru 100 A 5.5 kV - All Sizes Thru 75 A 8.3 kV - All Sizes Thru 40 A

Note:

- For those applications where an interlocked loadbreak switch is not used in conjunction with the non-loadbreak fuseholder. A warning nameplate should be used as a precaution against energized operation of the fuseholder. The optional warning nameplate (w/bracket), shown on page 19, Figure 35, is available from ERMCO Components Inc. (7559ZC2099)

Replacement Parts				
Catalog Number	Drawout Rod	Contact Assembly	Gasket	Grounding Spring
7559ZC8399	7559ZC1199	7559ZB3999	7559ZB4099	7285ZA1499*
7559ZG8399	7559ZE4299			
7559ZC8499	7559ZC1199			
7559ZG8499	7559ZE4299			
7559ZC8599	7559ZC1299			
7559ZG8599	7559ZC2699			

*See page 19 for more information

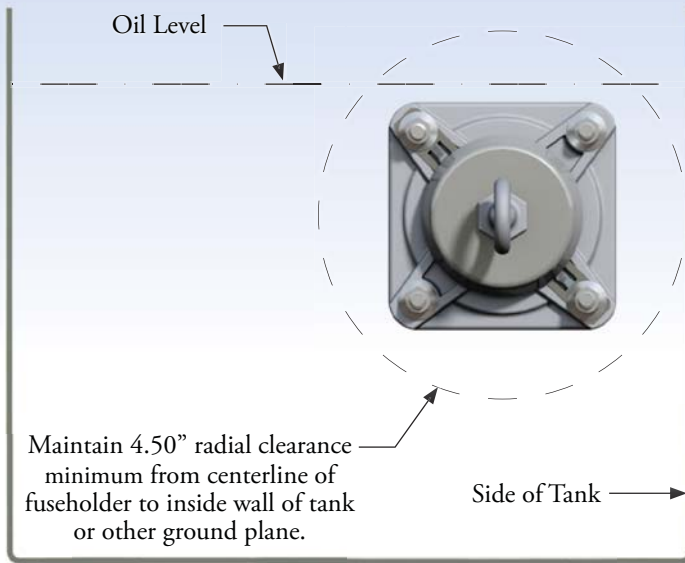
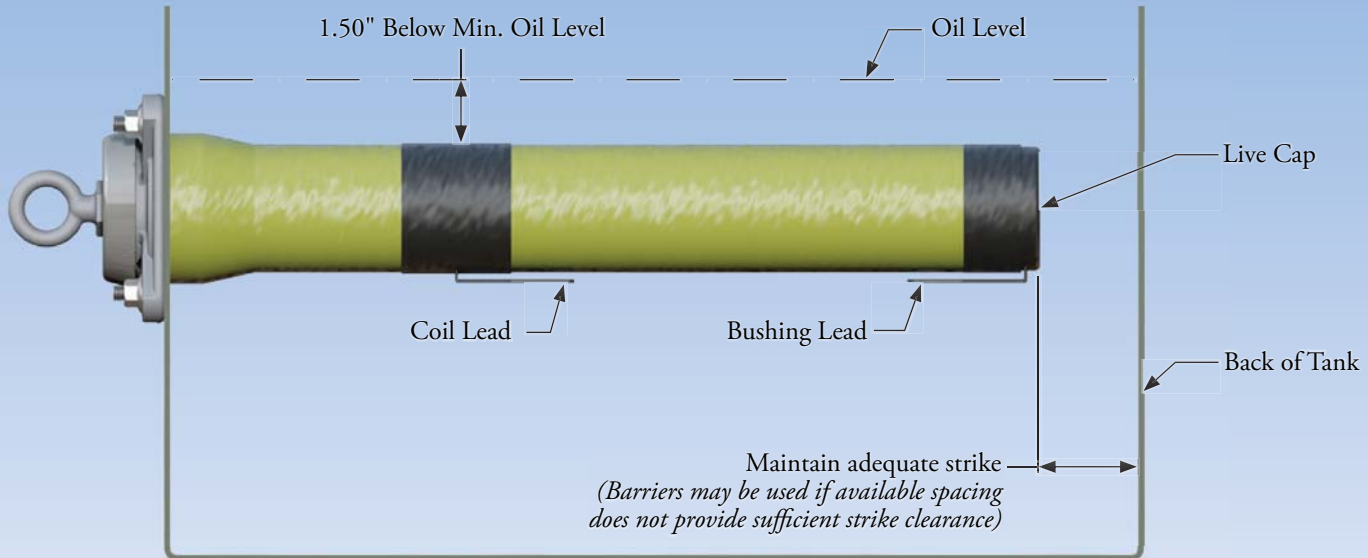


Figure 10
General Fuseholder Application

Notes:

1. Pockets up to 1.50" in depth can be used without adversely affecting impulse withstand.
2. If application requires pocket depth in excess of 1.50" care should be taken to avoid adversely affecting impulse withstand.

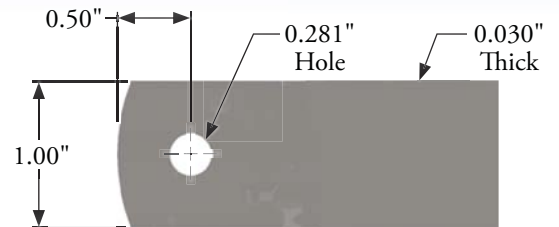


Figure 11
Detail of Terminal

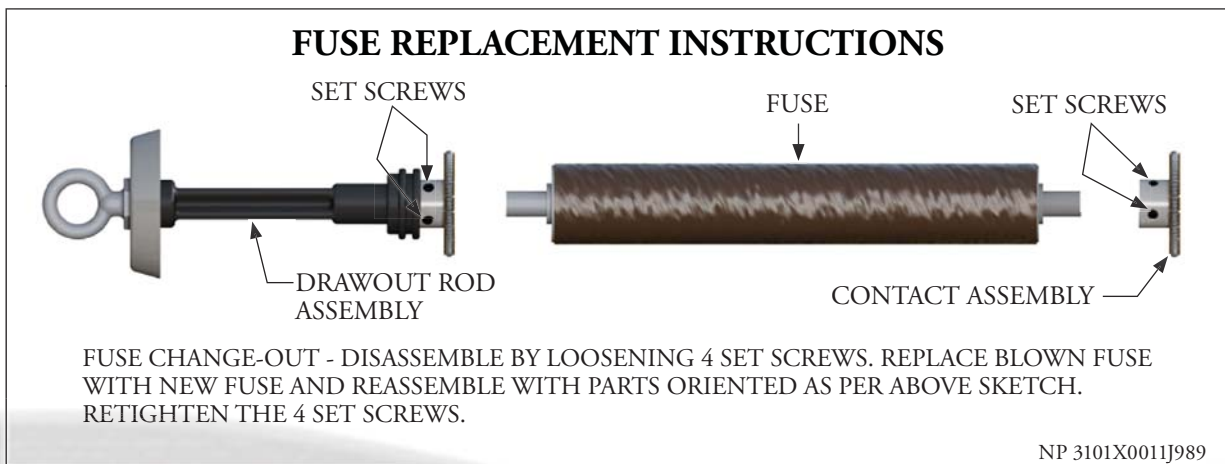


Figure 12
Decal (Standard-Non-Loadbreak)

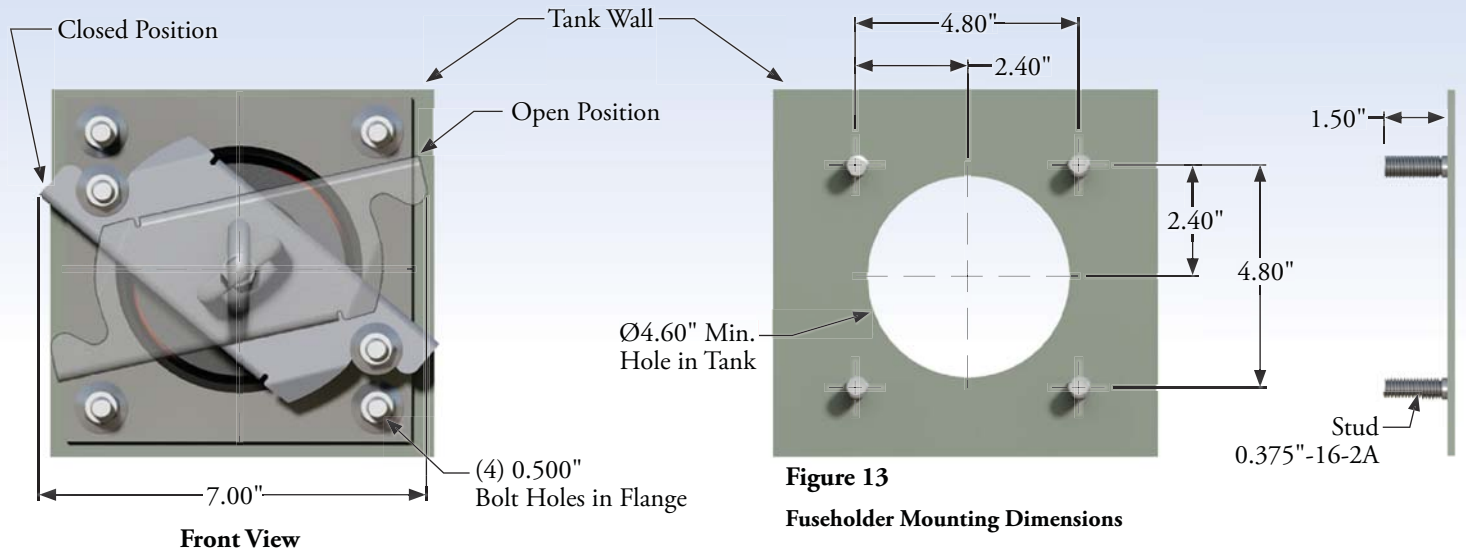
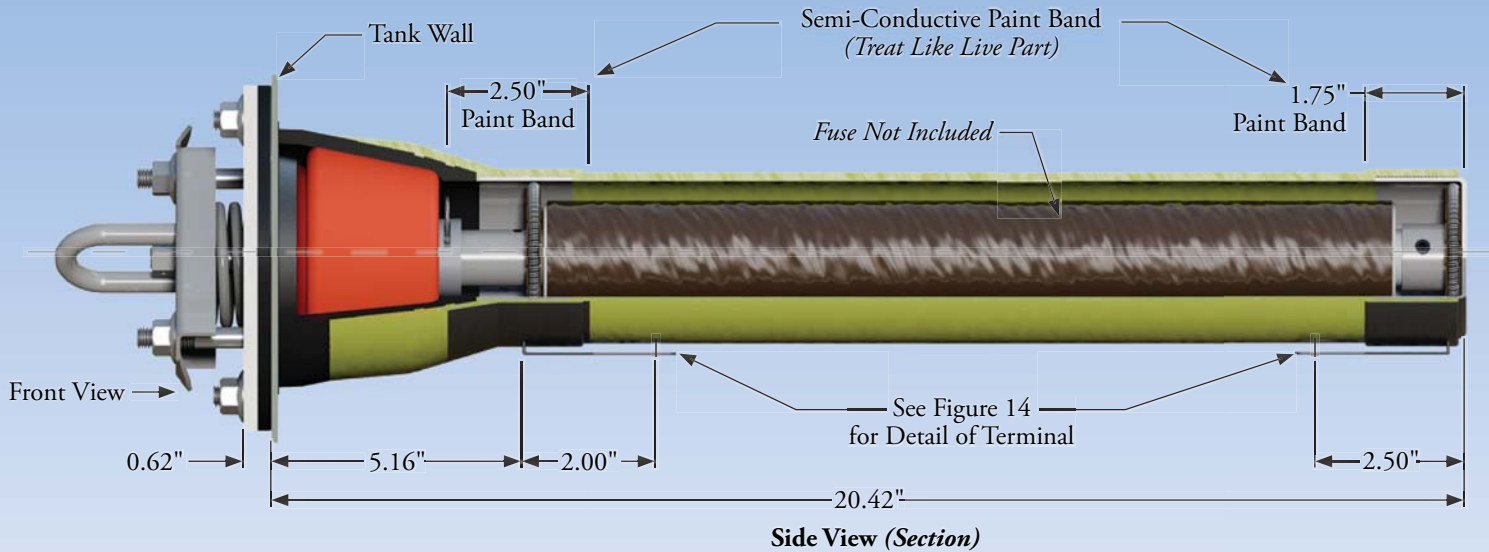


Figure 13
Fuseholder Mounting Dimensions

Engineering Data	
Plastic Flange Canister	
Catalog Number	7559ZC2599
Max Voltage Rating	21.1 kV (LN/GND)
Max Voltage Rating	36.6 kV (LN/LN)
BIL	150 kV
HIPOT	50 kV
Corona Extinction	26 kV
Continuous Current Rating (Unfused)	160 A
Momentary Current Rating (Unfused)	10,000 A RMS SYM (10 Cycles)
Acceptable Fuses (Cooper or HiTech) (Must Be Ordered Separately)	23 kV - All Sizes Thru 25 A

Note:

- For those applications where an interlock loadbreak switch is not used in conjunction with the non-loadbreak fuseholder. A warning nameplate should be used as a precaution against energized operation of the fuseholder. The optional warning nameplate (w/bracket), shown on [page 19, Figure 35](#), is available from ERMCO Components Inc. (7559ZC2199).
- Silicon grease should be applied to the drawout rod assembly gasket before installing in the drywell tube.

Catalog Number	Replacement Parts
7539ZB3999	Contact Assembly
7559ZB5399	Plug & Channel Assembly (w/Gasket)
7559ZB5499	Gasket
7559ZB5699	Piston Assembly (w/Spiral & Retaining Springs)
7559ZB5799	Plug, Channel, Gasket, & Flange

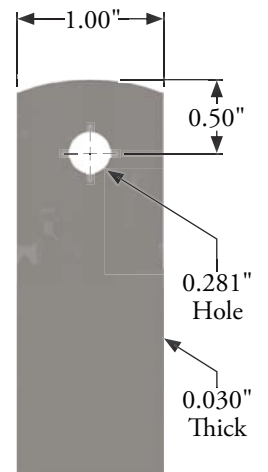
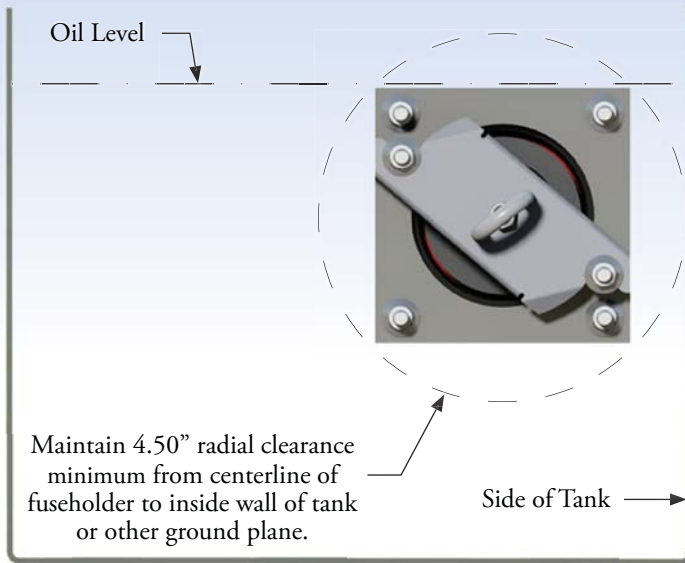
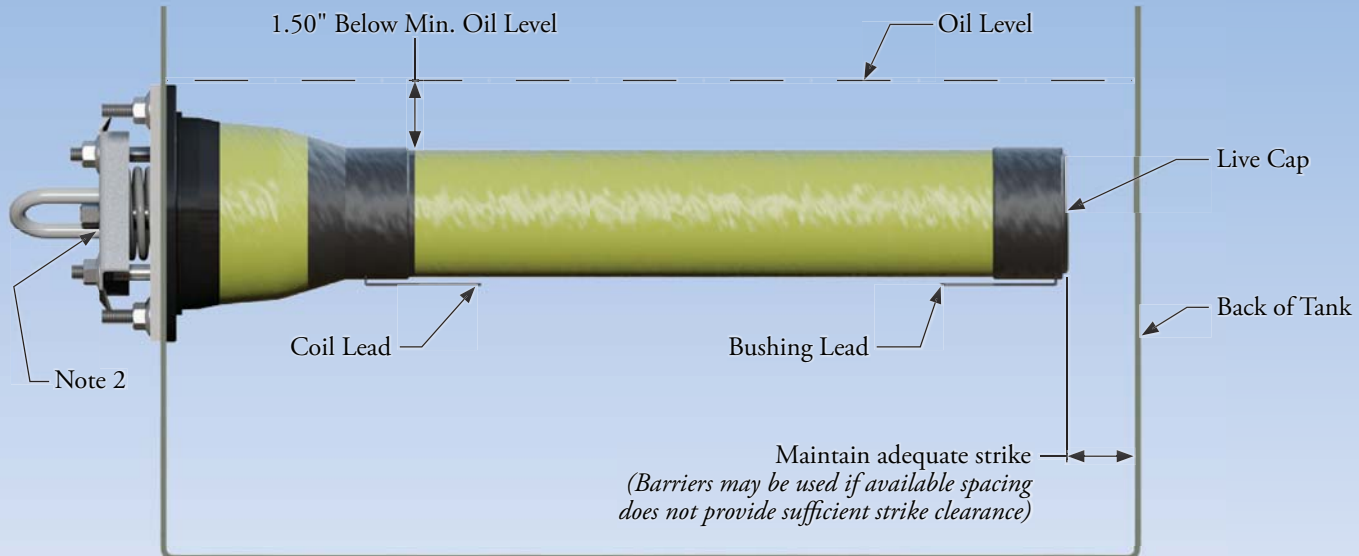


Figure 14
Detail of Terminal



Notes:

1. If application requires pocket depth in excess of 1.50" care should be taken to avoid adversely affecting impulse withstand.
2. With fuseholder fully assembled check for approx. 0.10" clearance between locknut and channel to adjust, tighten, or loosen two locknuts of flange studs.

Figure 15
General Fuseholder Application

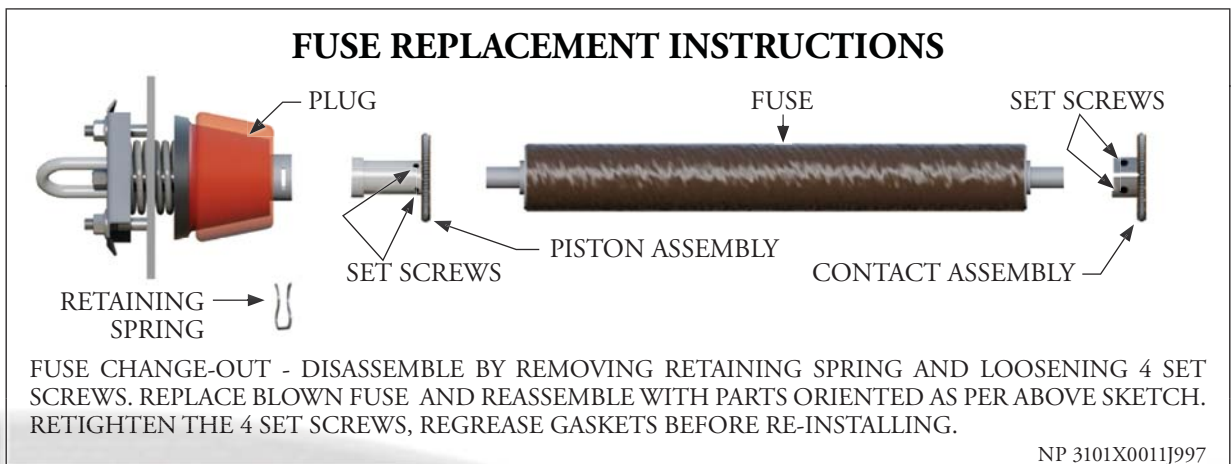
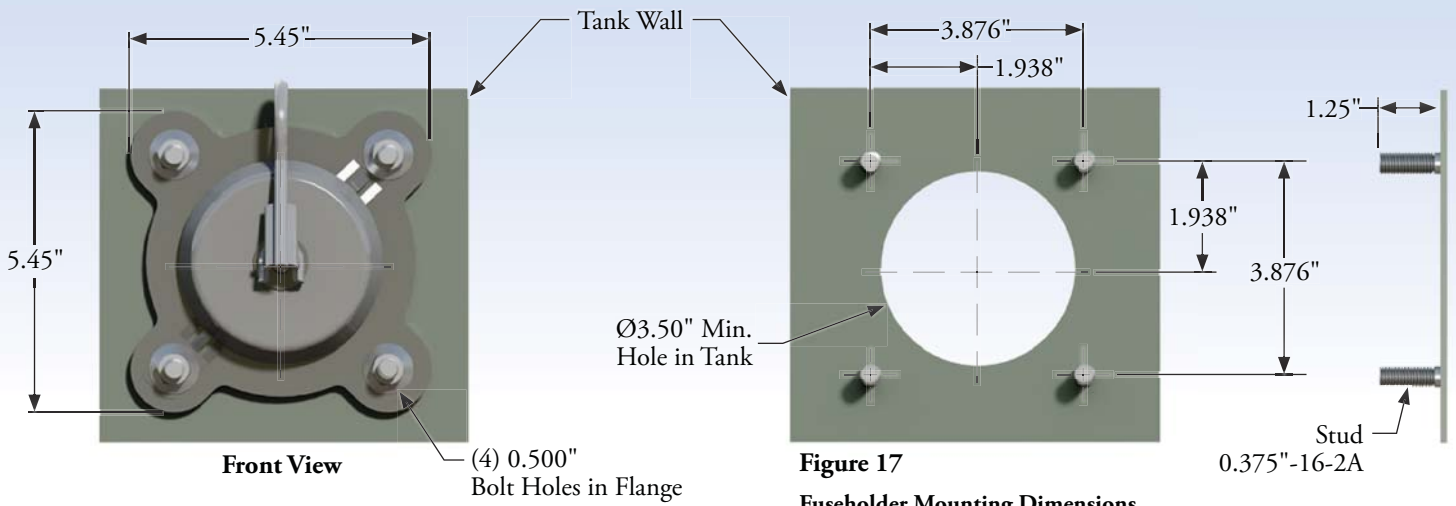
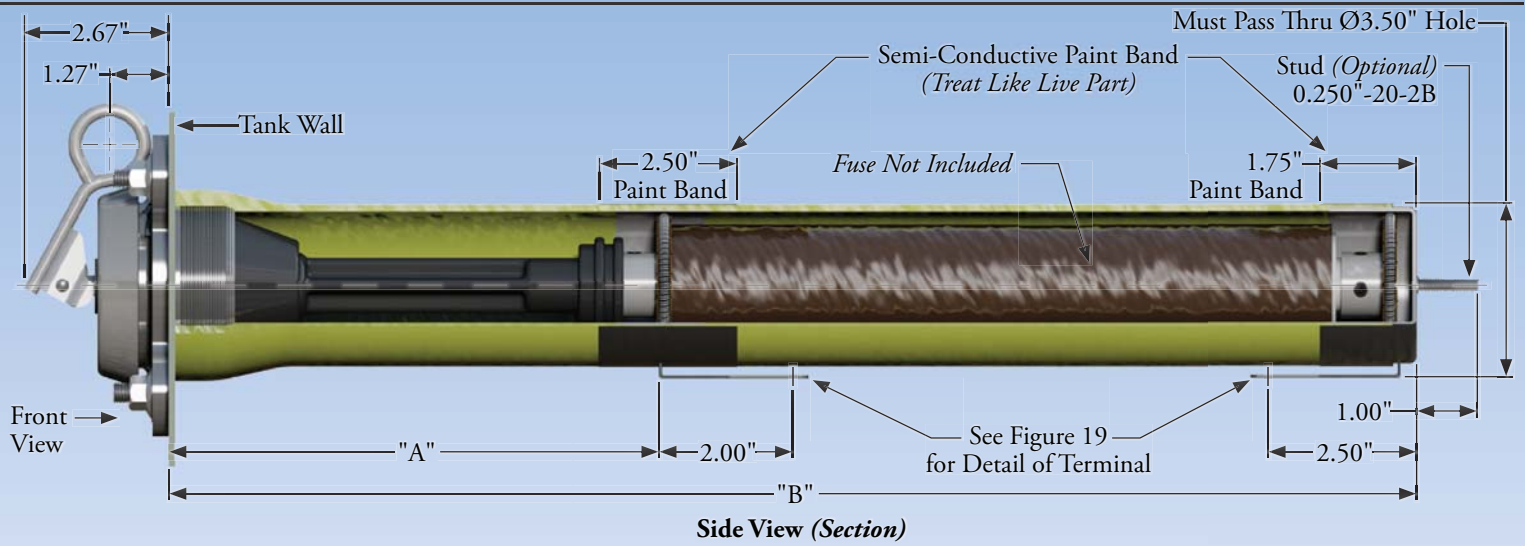


Figure 16
Decal (*Dielectric Plug*)

Submersible-Non-Loadbreak Details and Ordering Information



Engineering Data

All Flanges Stainless Steel	Catalog Number		
W/O Stud	7509ZE0199	7509ZE0299	7509ZE0399
With Stud (0.250-20-2B)	7509ZE3199	7509ZE3299	7509ZE3399
"A"	8.91"	8.91"	8.91"
"B"	18.27"	22.57"	25.53"
Max Voltage Rating	8.3 kV	15.2 kV	21.1 kV
BIL	95 kV	125 kV	125 kV
HIPOT	34 kV	40 kV	50 kV
Corona Extinction	11 kV	19 kV	26 kV
Continuous Current Rating (Unfused)	160 A	160 A	160 A
Momentary Current Rating (Unfused)	10,000 A RMS SYM (10 Cycles)	10,000 A RMS SYM (10 Cycles)	10,000 A RMS SYM (10 Cycles)
Acceptable Fuses (Cooper or HiTech) (Must Be Ordered Separately)	2.8 & 4.3 kV - All Sizes Thru 100 A 5.5 kV - All Sizes Thru 75 A 8.3 kV - All Sizes Thru 40 A	15.5 kV - All Sizes Thru 40 A	23 kV - All Sizes Thru 25 A

Note:

- For those applications where an interlock loadbreak switch is not used in conjunction with the non-loadbreak fuseholder. A warning nameplate, shown on [page 19, Figure 35](#), should be used as a precaution against energized operation of the fuseholder.

Catalog Number	Replacement Parts
7559ZB3999	Contact Assembly
7559ZB4099	Gasket
7559ZE4099	Drawout Rod Assembly
7559ZE4199	Drawout Rod and Contact Assembly
7285ZA1499*	Grounding Spring

*See page 19 for more information

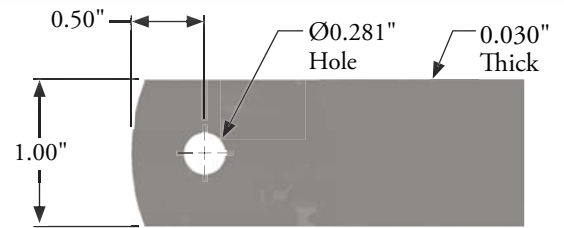
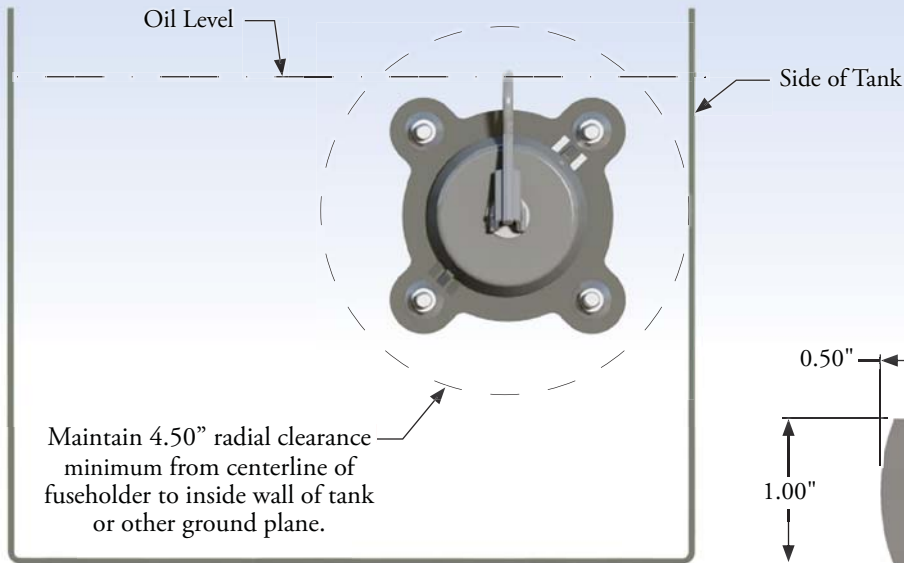
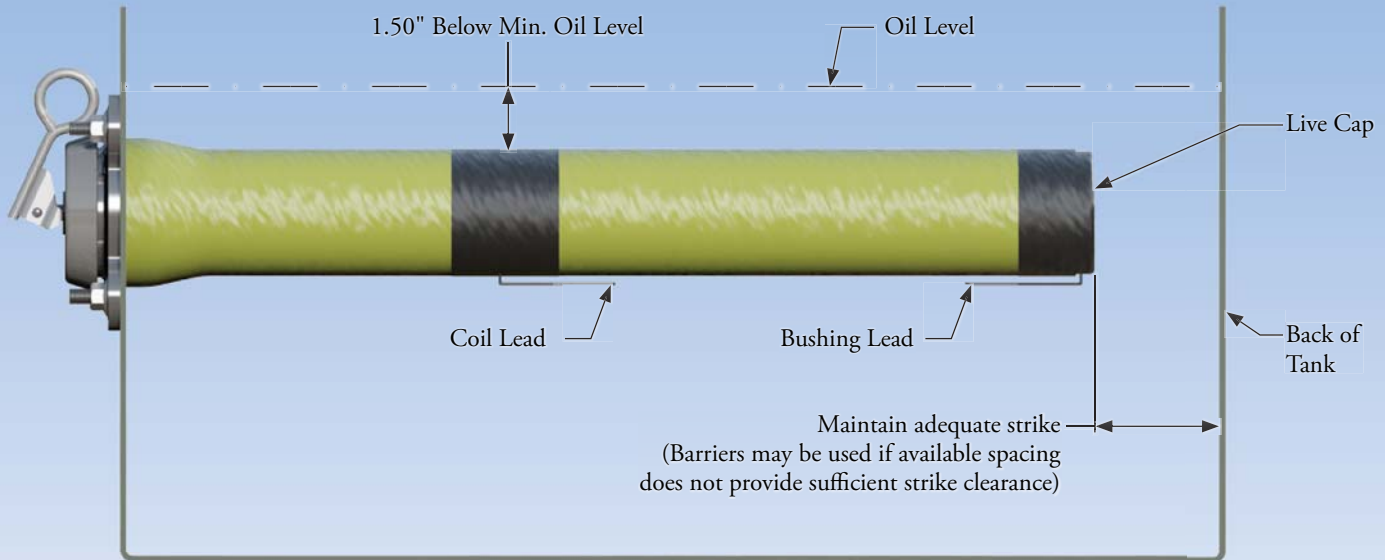


Figure 18
General Fuseholder Application
(See Figure 22 for Vertical Mounting)

Figure 19
Detail of Terminal

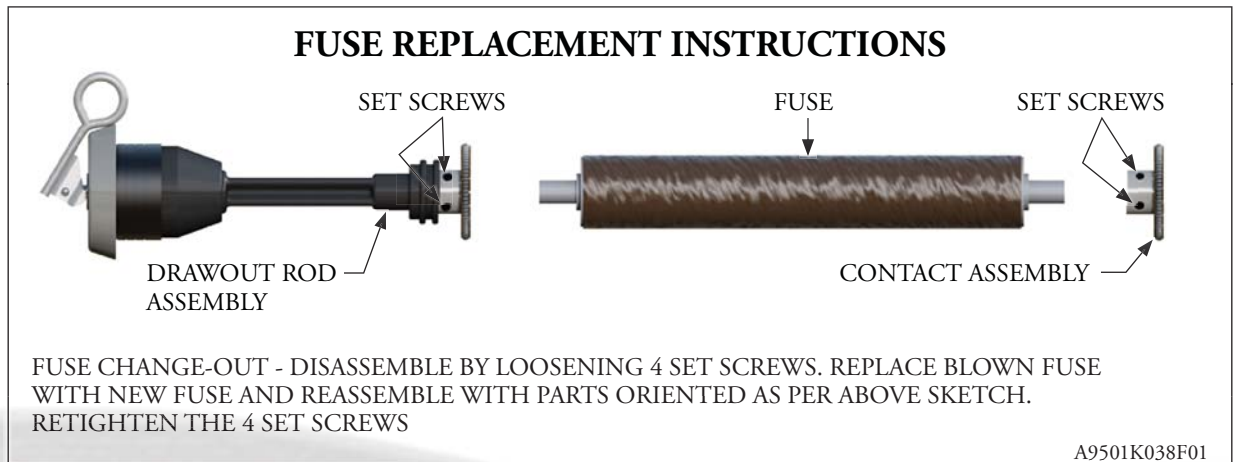


Figure 20
Decal (Submersible-Non-Loadbreak)

Submersible-Non-Loadbreak Details and Ordering Information

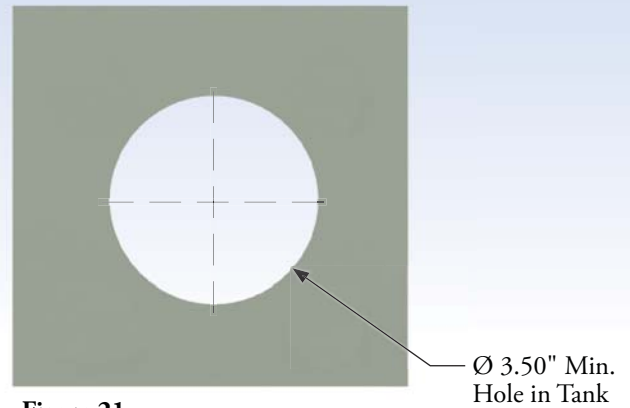
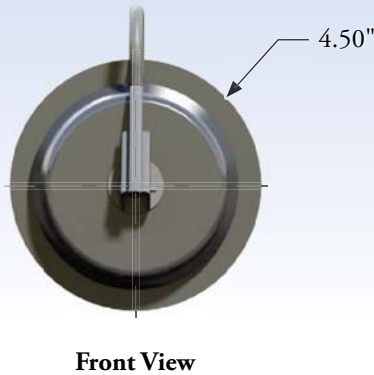
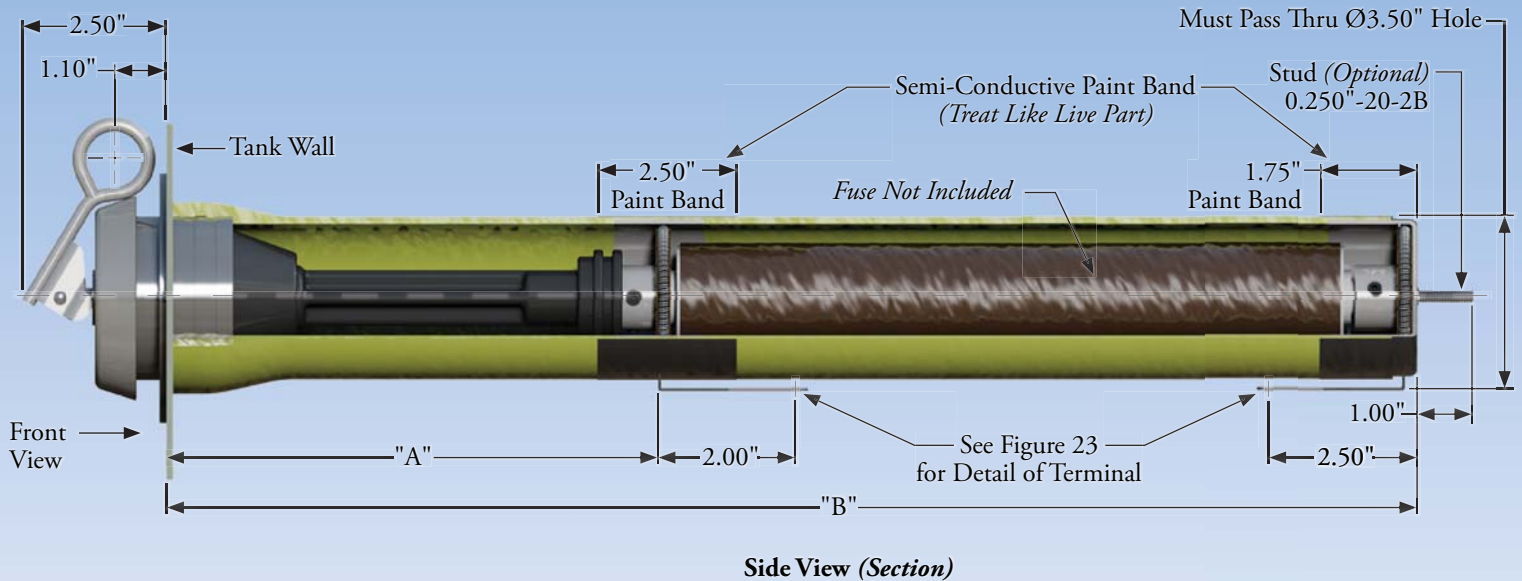


Figure 21
Fuseholder Mounting Dimensions

Engineering Data			
	Catalog Number		
W/O Stud	7559ZE1199	7559ZE1299	7559ZE1399
With Stud (0.250-20-2B)	7559ZE2199	7559ZE2299	7559ZE2399
"A"	8.91"	8.91"	8.91"
"B"	18.27"	22.57"	25.53"
Max Voltage Rating	8.3 kV	15.2 kV	21.1 kV
BIL	95 kV	125 kV	125 kV
HIPOT	34 kV	40 kV	50 kV
Corona Extinction	11 kV	19 kV	26 kV
Continuous Current Rating (Unfused)	160 A	160 A	160 A
Momentary Current Rating (Unfused)	10,000 A RMS SYM (10 Cycles)	10,000 A RMS SYM (10 Cycles)	10,000 A RMS SYM (10 Cycles)
Acceptable Fuses (Cooper or HiTech) (Must Be Ordered Separately)	2.8 & 4.3 kV - All Sizes Thru 100 A 5.5 kV - All Sizes Thru 75 A 8.3 kV - All Sizes Thru 40 A	15.5 kV - All Sizes Thru 40 A	23 kV - All Sizes Thru 25 A

Note:

- For those applications where an interlock loadbreak switch is not used in conjunction with the non-loadbreak fuseholder. A warning nameplate, shown on [page 19, Figure 35](#), should be used as a precaution against energized operation of the fuseholder.
- Use adequate heat sinks when welding to prevent localized hot spots and resulting stress in the drywell.

Catalog Number	Replacement Parts
7559ZB3999	Contact Assembly
7559ZE4099	Drawout Rod Assembly
7559ZE4199	Drawout Rod and Contact Assembly

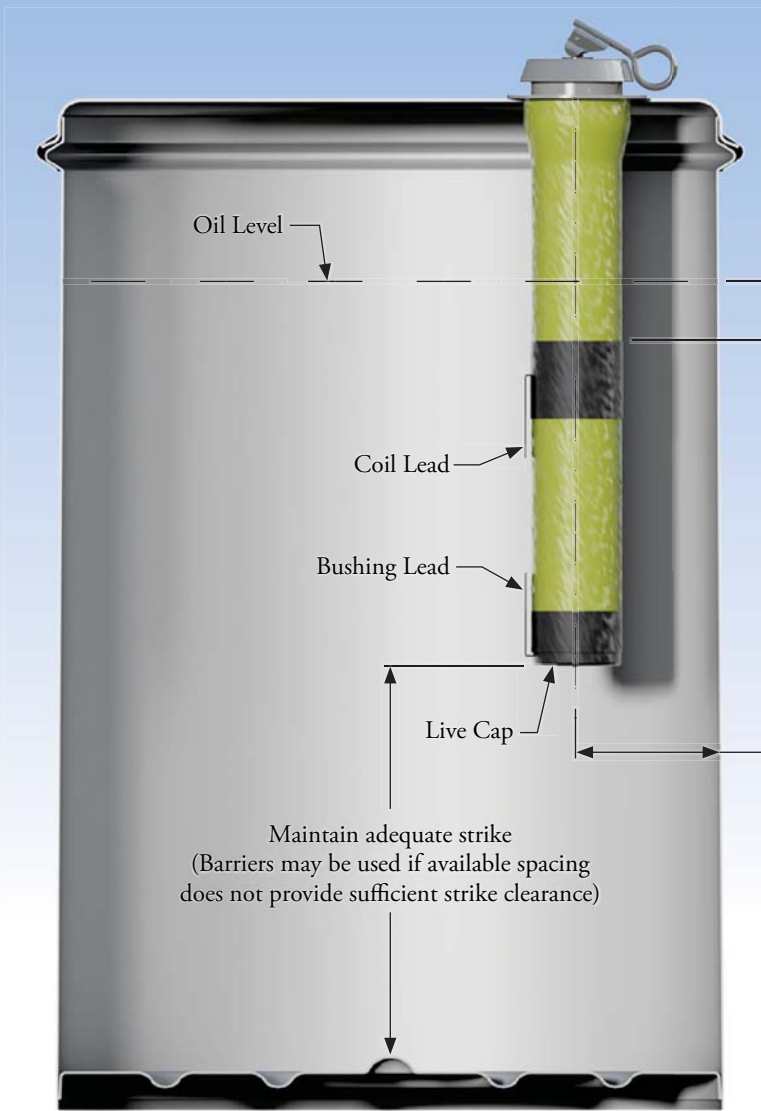


Figure 22
General Fuseholder Application
(See Figure 18 for Horizontal Mounting)

1.50" Minimum above
 conductive paint band.

Maintain 4.50" radial clearance minimum
 from centerline of fuseholder to inside
 wall of tank or other ground plane.

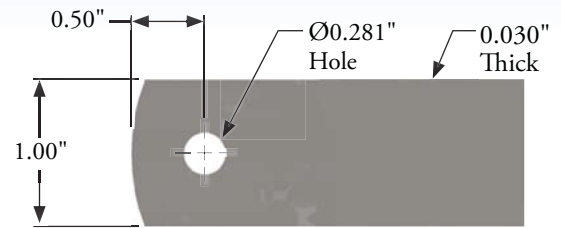


Figure 23
Detail of Terminal

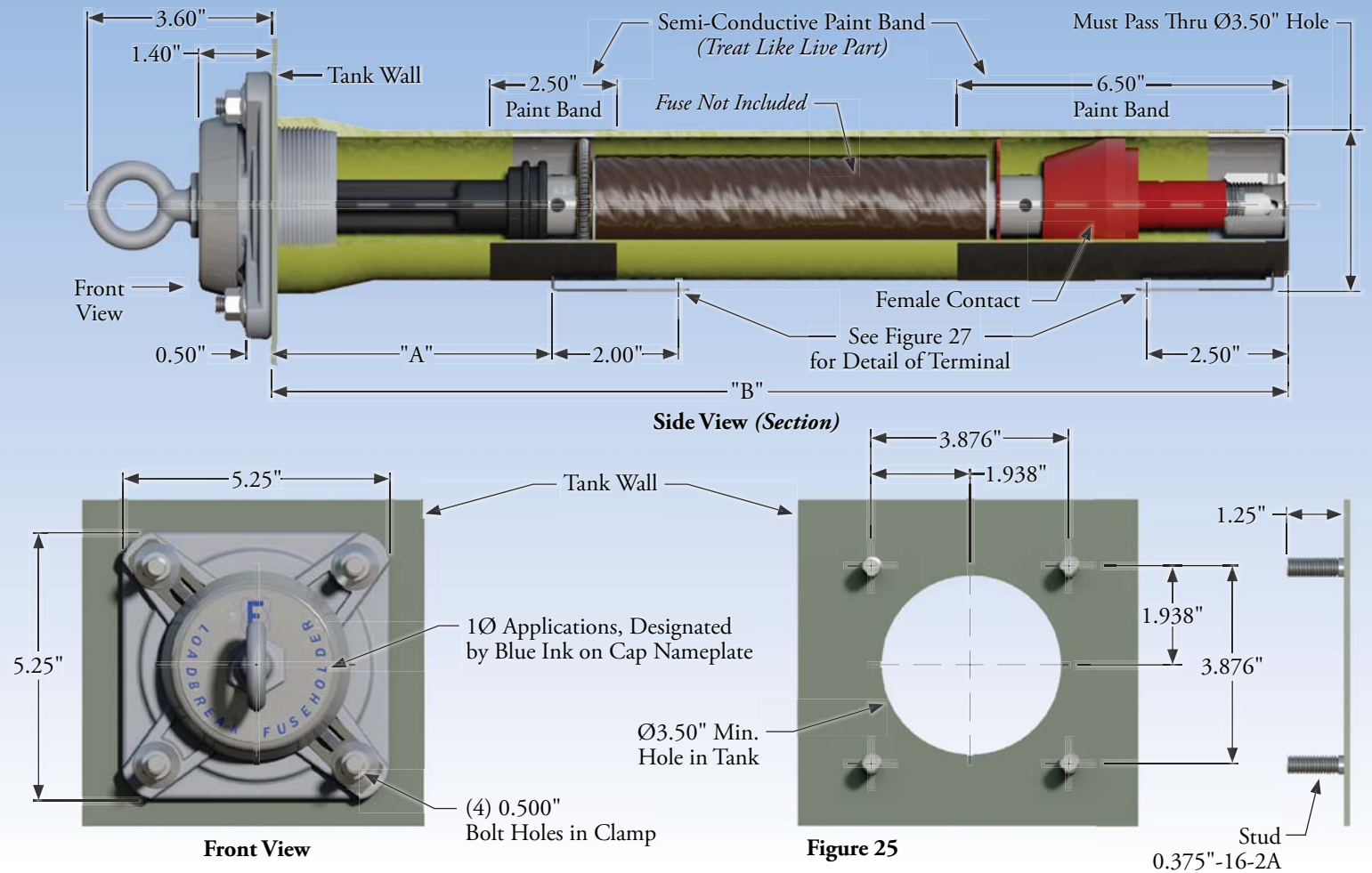
FUSE REPLACEMENT INSTRUCTIONS

FUSE CHANGE-OUT - DISASSEMBLE BY LOOSENING 4 SET SCREWS. REPLACE BLOWN FUSE WITH NEW FUSE AND REASSEMBLE WITH PARTS ORIENTED AS PER ABOVE SKETCH. RETIGHTEN THE 4 SET SCREWS

A9501K038F01

Figure 24
Decal (Submersible-Non-Loadbreak)

Standard-Loadbreak (Single Phase) Details and Ordering Information (Single Phase and Three Phase)



Engineering Data			
Fuseholder Cap	Catalog Number		
Plated Steel	7559ZB8299	7559ZB8399	7559ZB8499
Stainless Steel	7559ZF8299	7559ZF8399	7559ZF8499
"A"	5.59"	6.89"	5.59"
"B"	19.96"	25.64"	19.96"
Max Voltage Rating	8.3 kV	15.2 kV	8.3 kV
BIL	95 kV	125 kV	95 kV
HIPOT	34 kV	40 kV	34 kV
Corona Extinction	11 kV	19 kV	11 kV
Continuous Current Rating (Unfused)	160 A	160 A	160 A
Momentary Current Rating (Unfused)	10,000 A RMS SYM (10 Cycles)	10,000 A RMS SYM (10 Cycles)	10,000 A RMS SYM (10 Cycles)
Acceptable Fuses (Cooper or HiTech) (Must Be Ordered Separately)	2.8 & 4.3 kV - All Sizes Thru 100 A 5.5 kV - All Sizes Thru 75 A 8.3 kV - All Sizes Thru 40 A	15.5 kV - All Sizes Thru 40 A	2.8 & 4.3 kV - All Sizes Thru 100 A 5.5 kV - All Sizes Thru 75 A 8.3 kV - All Sizes Thru 40 A
Load Make & Break Rating 1Ø	20 Operations At 200A	10 Operations At 200A	20 Operations At 200A
Load Make & Break Rating 3Ø	-----	See Note # 1	10 Operations At 150A (8.3KV-L-G/14.4KV-L-L)
Fault Close - In (Fused)	10,000 A RMS SYM	10,000 A RMS SYM	10,000 A RMS SYM

Note:

- Fuseholder may be applied as a loadbreak device in 3Ø applications where the line to line voltage will not exceed 15kV.

Replacement Parts			
Catalog Number	Drawout Rod	Female Contact	Probe Contact
7559ZB8299	7559ZB0999	7559ZB1199	7559ZB3199 See Figure 28 for Details Page 15
7559ZF8299	7559ZB5799		
7559ZB8399	7559ZB1099		
7559ZF8399	7559ZB5699	7559ZB4799	7559ZB3299 See Figure 28 for Details Page 15
7559ZB8499	7559ZB4899		
7559ZF8499	7559ZB5899		

Replacement Parts		
Catalog Number	Gasket	Grounding Spring
7559ZB8299	7559ZB4099	7285ZA1499*
7559ZF8299		
7559ZB8399		
7559ZF8399		
7559ZB8499		
7559ZF8499		

*See page 19 for more information

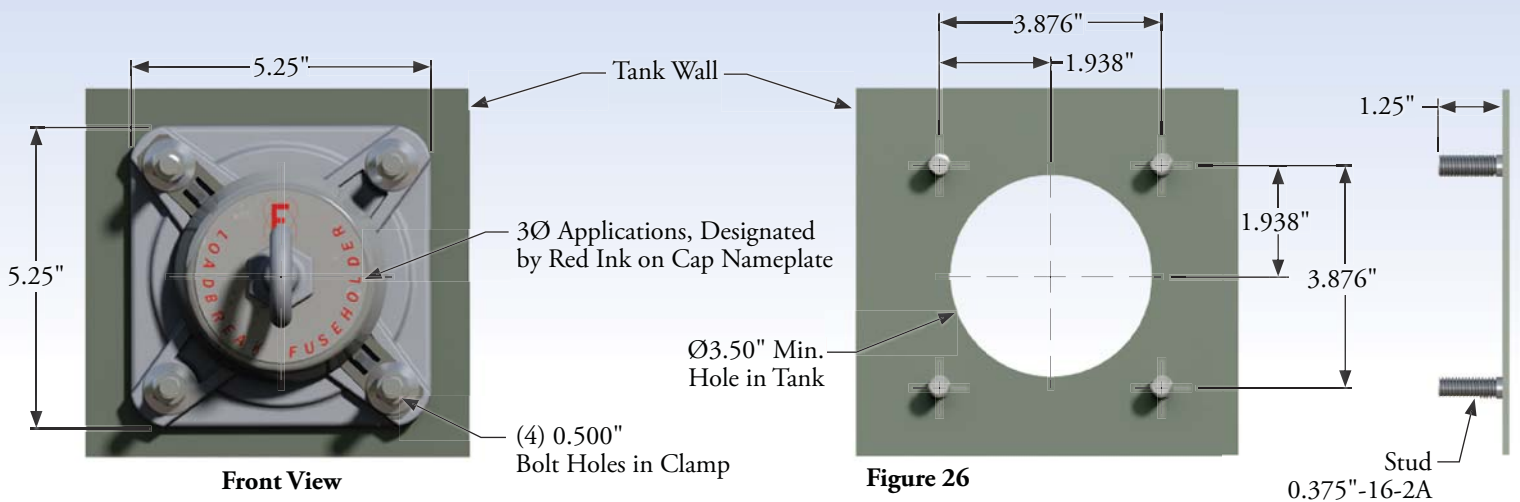
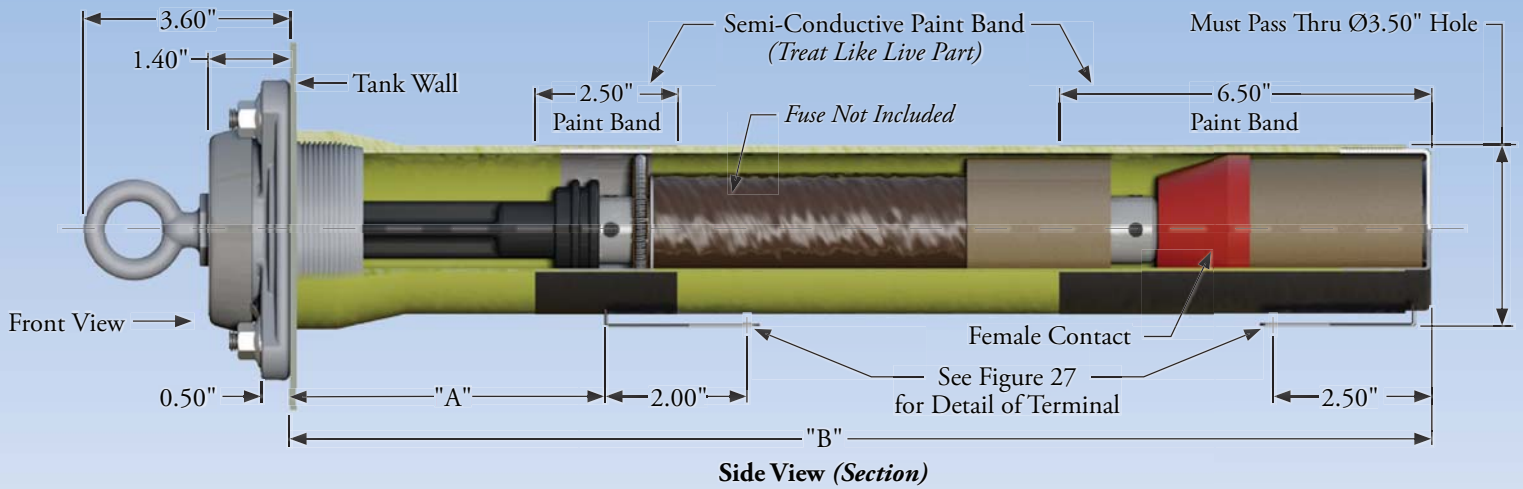


Figure 26
Fuseholder Mounting Dimensions

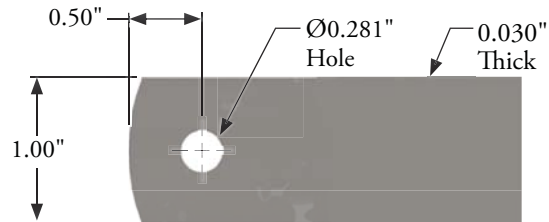


Figure 27
Detail of Terminal

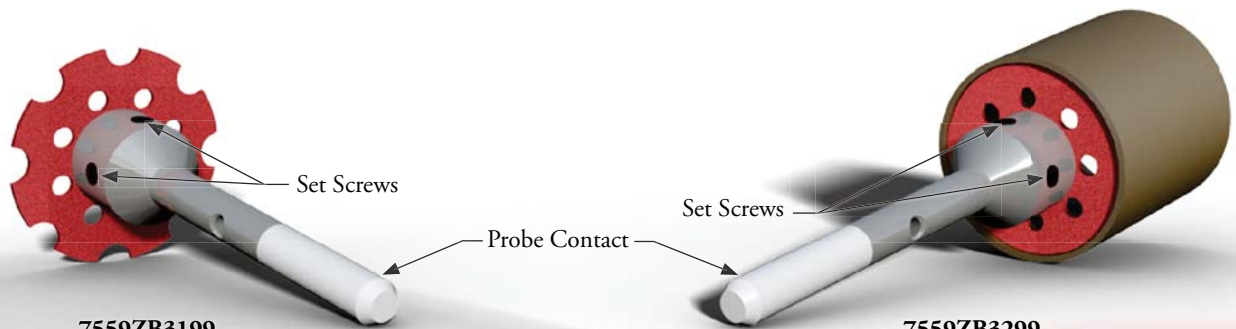
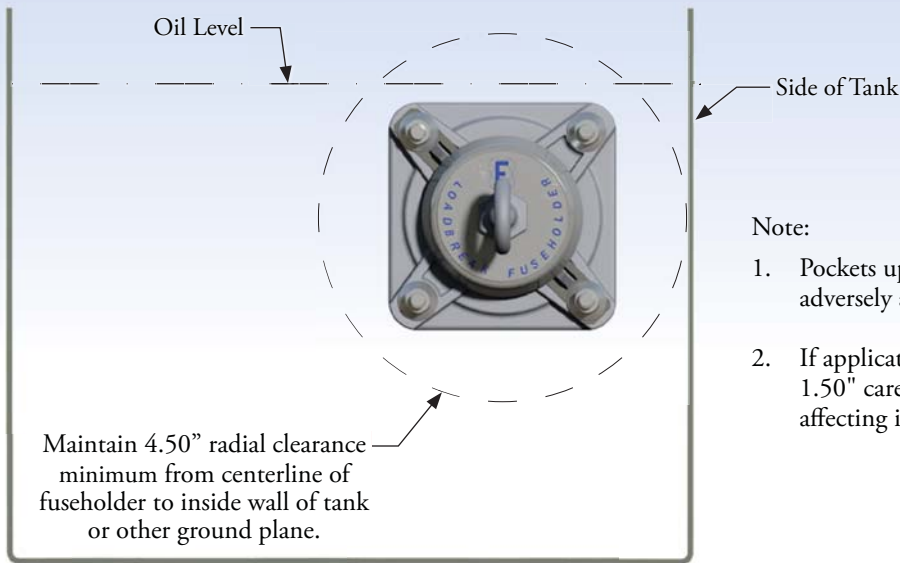
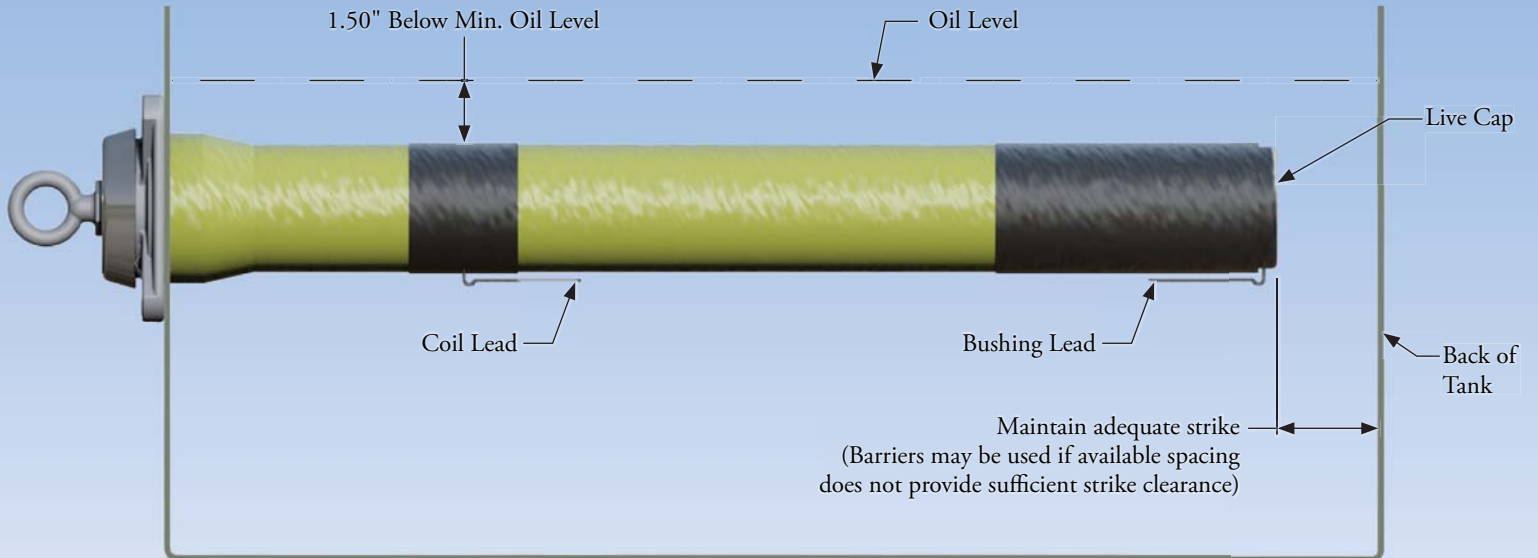


Figure 28
Probe Contacts
(See page 14 for ordering information)

7559ZB3299
3Ø Probe Contact
(for 7559Z_8499 only)



Note:

1. Pockets up to 1.50" in depth can be used without adversely affecting impulse withstand.
2. If application requires pocket depth in excess of 1.50" care should be taken to avoid adversely affecting impulse withstand.

Figure 29
General Fuseholder Application

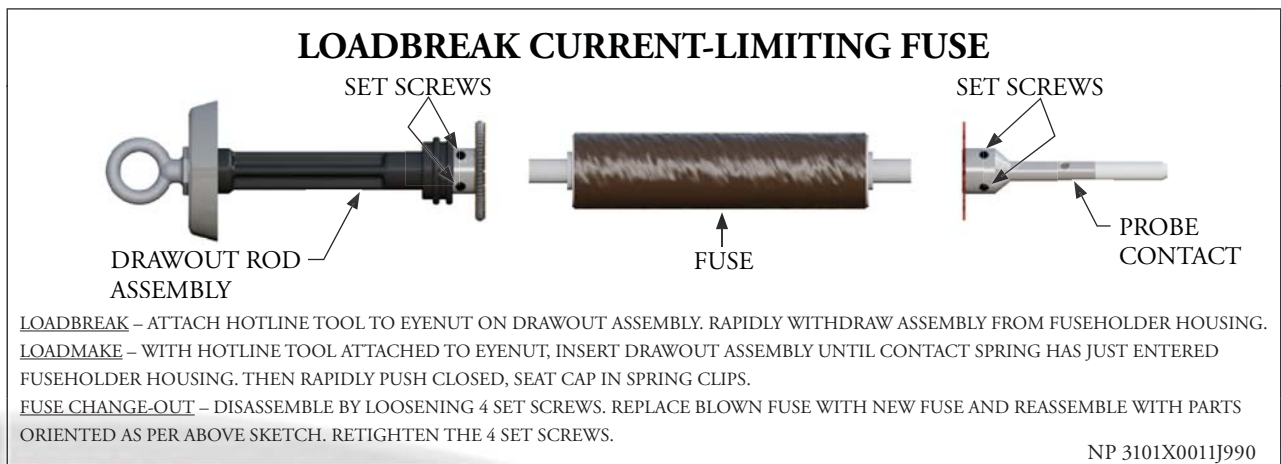
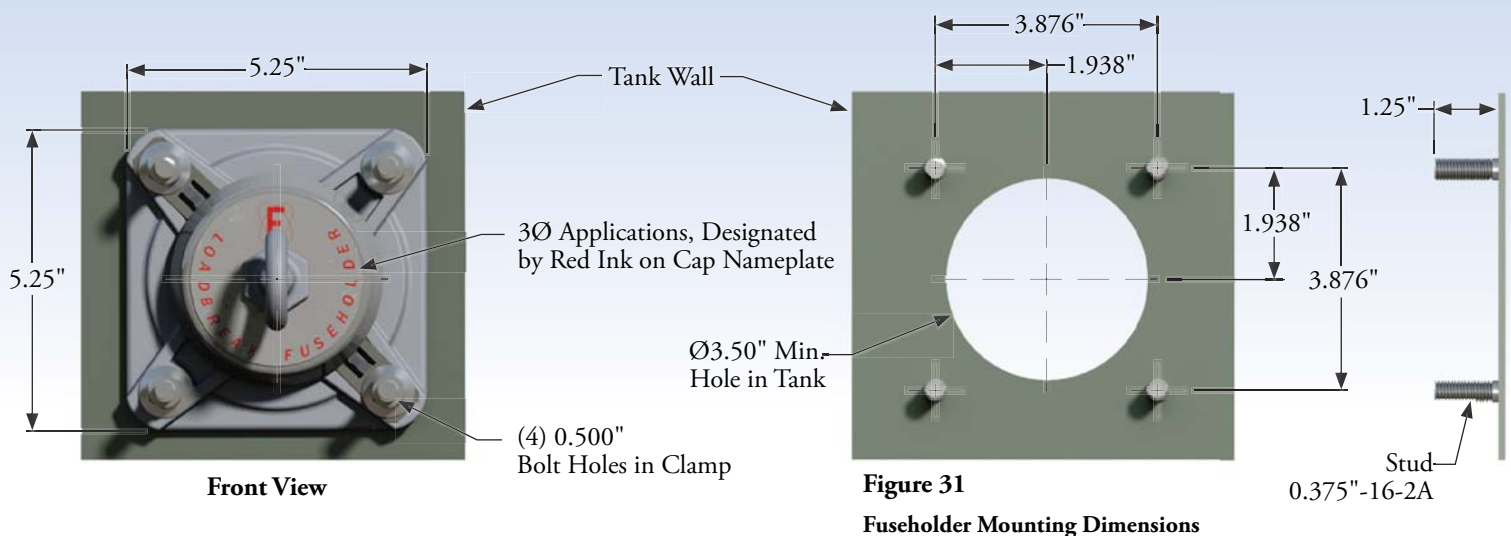
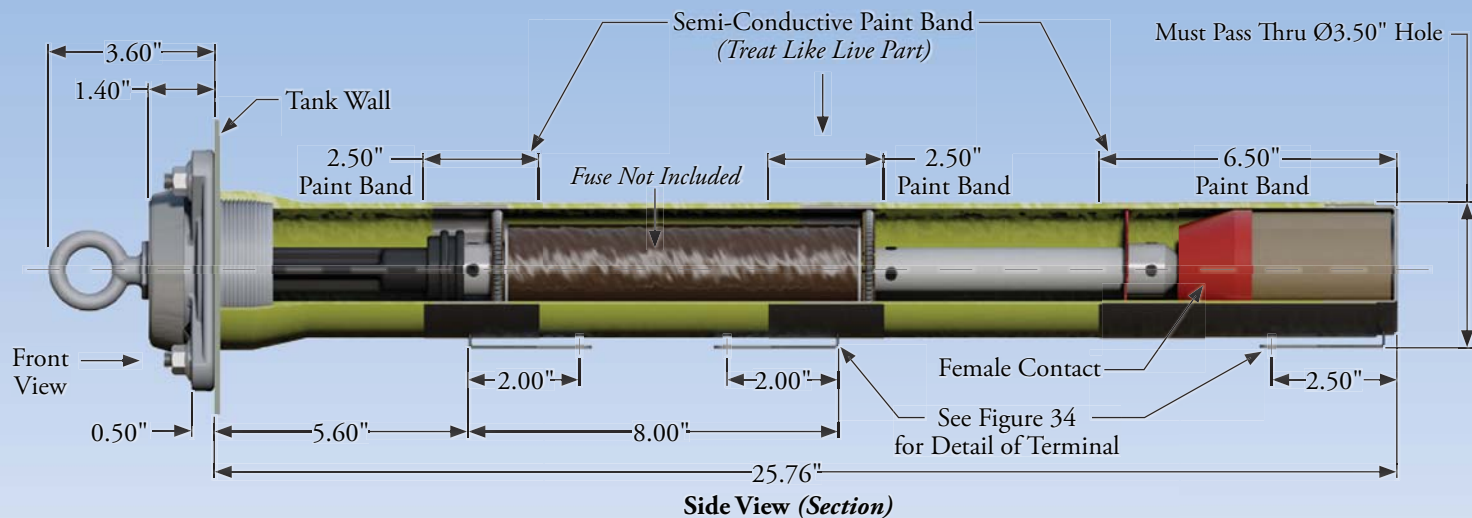


Figure 30
Decal (Standard-Loadbreak)

Standard-Loadbreak (Three Phase for Parallel Application) Details and Ordering Information



Engineering Data	
Catalog Number	7559ZB8899
Max Voltage Rating	8.3 kV
BIL	95 kV
HIPOT	34 kV
Corona Extinction	11 kV
Continuous Current Rating (Unfused)	160 A
Momentary Current Rating (Unfused)	10,000 A RMS SYM (10 Cycles)
Acceptable Fuses (Cooper or HiTech) (Must Be Ordered Separately)	2.8 & 4.3 kV - All Sizes Thru 100 A 5.5 kV - All Sizes Thru 75 A 8.3 kV - All Sizes Thru 40 A
Load Make & Break Rating 1Ø	10 Operations At 150A
Load Make & Break Rating 3Ø	10 Operations At 150A (8.3KV-L-G/14.4KV-L)
Fault Close - In (Fused)	10,000 A RMS SYM

LOADBREAK CURRENT-LIMITING FUSE

LOADBREAK – ATTACH HOT LINE TOOL TO EYENUT ON DRAWOUT ASSEMBLY. RAPIDLY WITHDRAW DRAWOUT ASSEMBLY FROM FUSEHOLDER HOUSING.

LOADMAKE – WITH HOTLINE TOOL ATTACHED TO EYENUT, INSERT DRAWOUT ASSEMBLY UNTIL CONTACT SPRING ON DRAWOUT ROD HAS JUST ENTERED FUSEHOLDER HOUSING. THEN RAPIDLY PUSH CLOSED, CAP SHOULD CONTACT SPRING CLIPS.

FUSE CHANGE-OUT – DISASSEMBLE BY LOOSENING SET SCREWS IN DRAWOUT ROD ASSEMBLY AND ADAPTER. REPLACE BLOWN FUSE WITH NEW FUSE AND REASSEMBLE WITH PARTS ORIENTED AS PER ABOVE SKETCH. RETIGHTEN THE 4 SET SCREWS.

NP 3101X0011H169

Figure 32
Decal (Loadbreak)

Replacement Parts	
Catalog Number	Description
7559ZB4799	Contact Assembly 3Ø
7559ZB4899	Drawout Rod Assembly
7559ZB4999	Adapter/Contact Assembly

Replacement Parts	
Catalog Number	Description
7559ZB3199	Probe Assembly
7559ZB4099	Gasket
7285ZA1499*	Grounding Spring

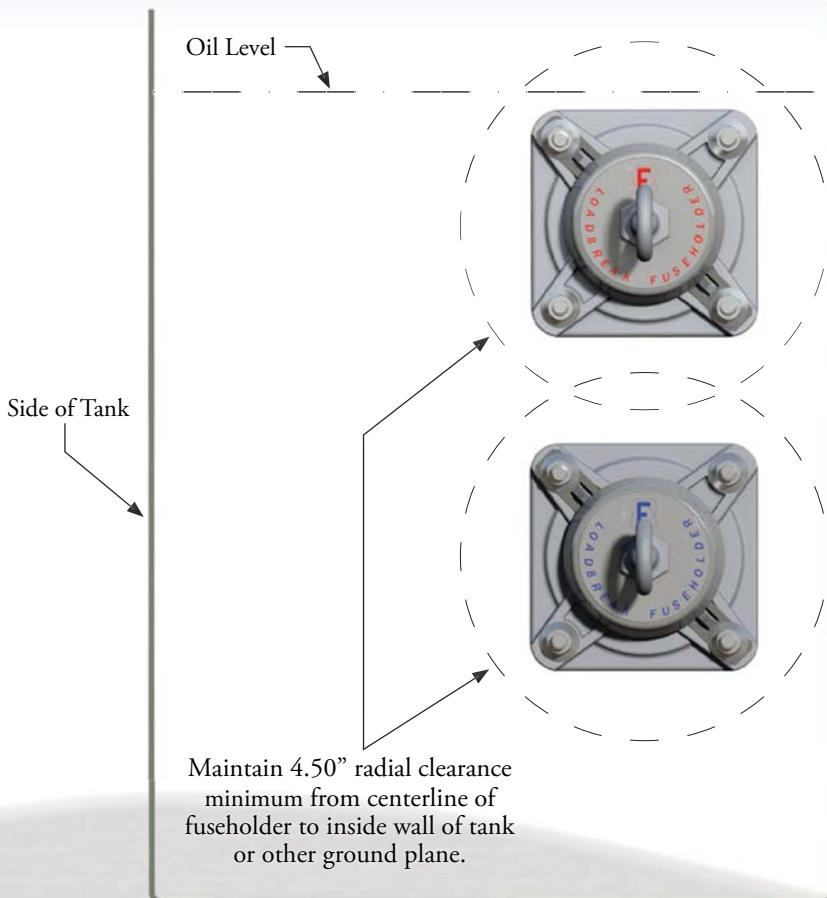
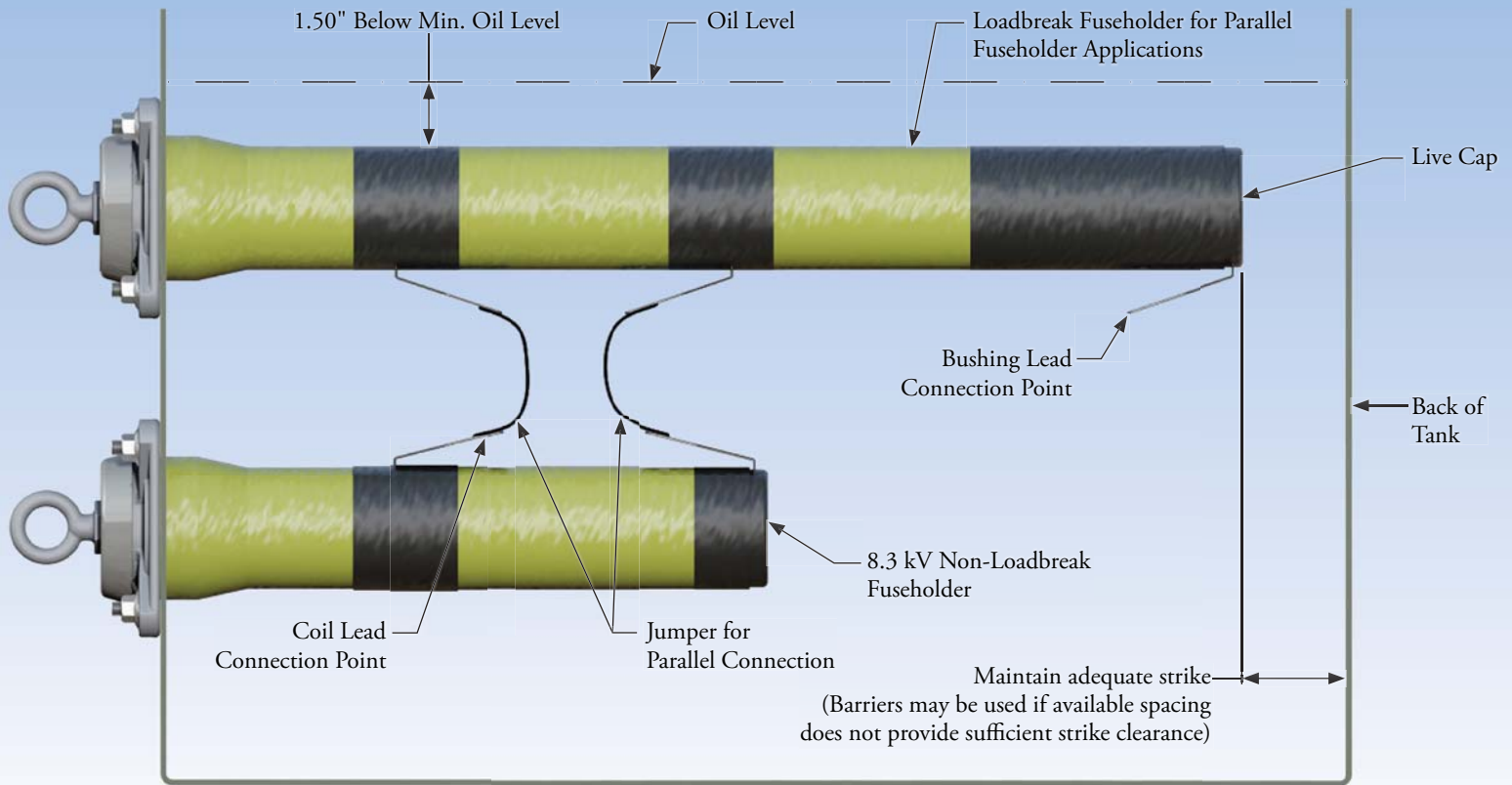


Figure 33
General Fuseholder Application

WARNING

When using this special loadbreak fuseholder connected in parallel with a non-loadbreak fuseholder, the transformer manufacturer must provide a warning nameplate with support arrangement such that the non-loadbreak fuseholder cannot be accessed without first removing the drawout assembly from the loadbreak fuseholder, also, the drawout assembly from the non-loadbreak fuseholder must not be able to be inserted after the drawout assembly for the loadbreak fuseholder has been inserted.

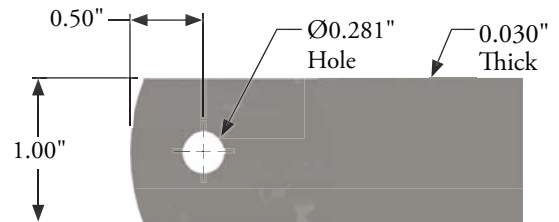


Figure 34
Detail of Terminal

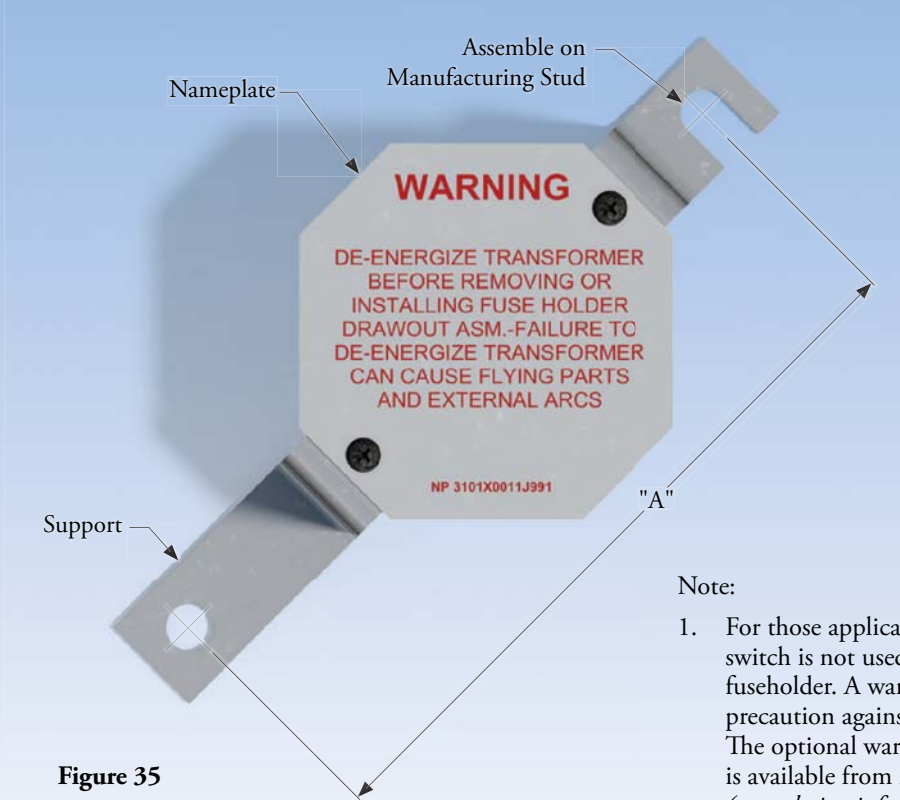


Figure 35
Warning Nameplate

Note:

1. For those applications where an interlocked loadbreak switch is not used in conjunction with the non-loadbreak fuseholder. A warning nameplate should be used as a precaution against energized operation of the fuseholder. The optional warning nameplate (w/bracket) shown above is available from ERMCO Components, Inc. (see ordering information below).

Accessories		
Catalog Number	"A"	Description
7559ZC2099	5.48"	Warning Nameplate
7559ZC2199	6.79"	



Figure 36
Grounding Spring

Replacement Part		
Catalog Number	Description	Material
7285ZA1499	Grounding Spring	Stainless Steel

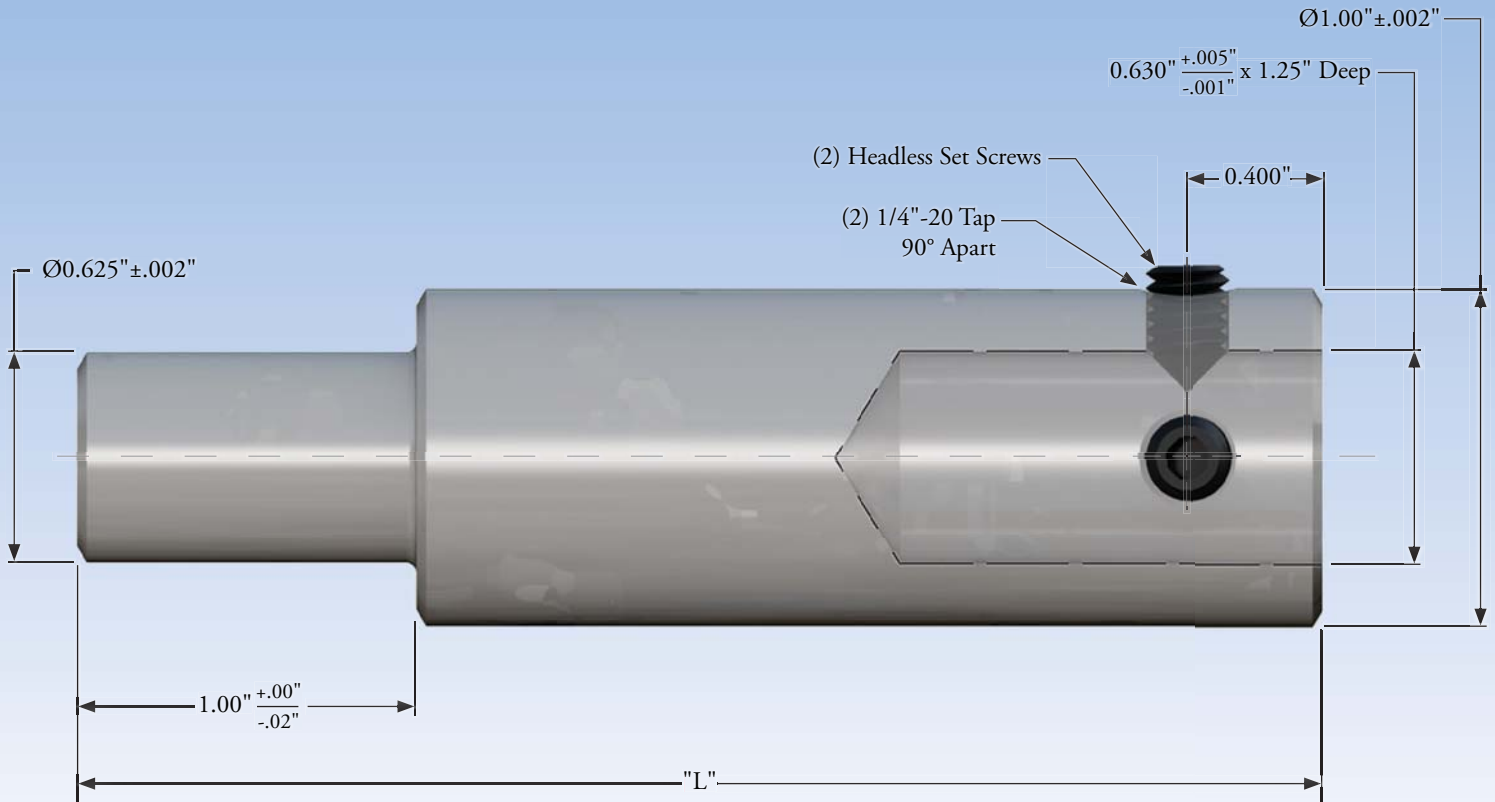
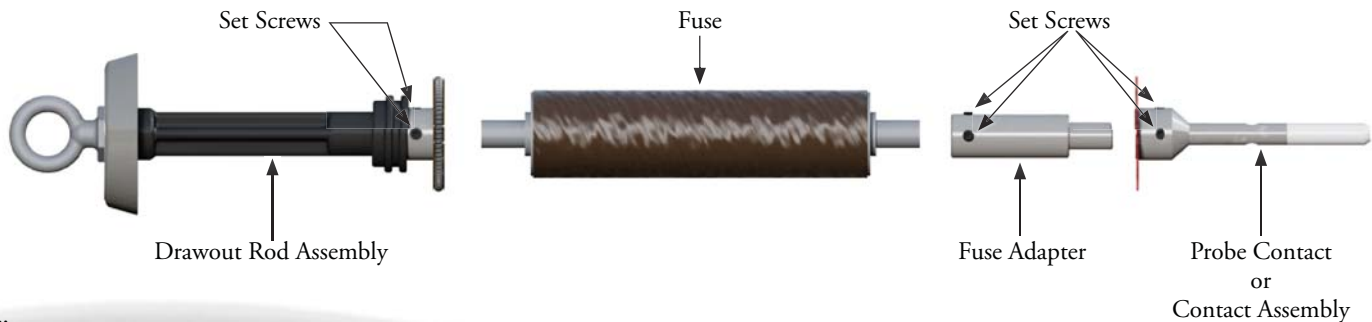


Figure 37
Fuse Adapter

Accessories			
Catalog Number	"L"	Application	Finish
7559ZB6099	8.00"	8.3 to 23 kV	None
7559ZB6199	3.68"	15.2 to 23 kV	
7559ZB6299	5.18"	8.3 to 15.2 kV	



Note:

1. Assemble fuse adapter (when required) to bottom of fuse as shown above.
2. A vent hole on centerline and perpendicular to the long axis may be added at vendor's option
3. Apply Loctite to set screws as necessary.