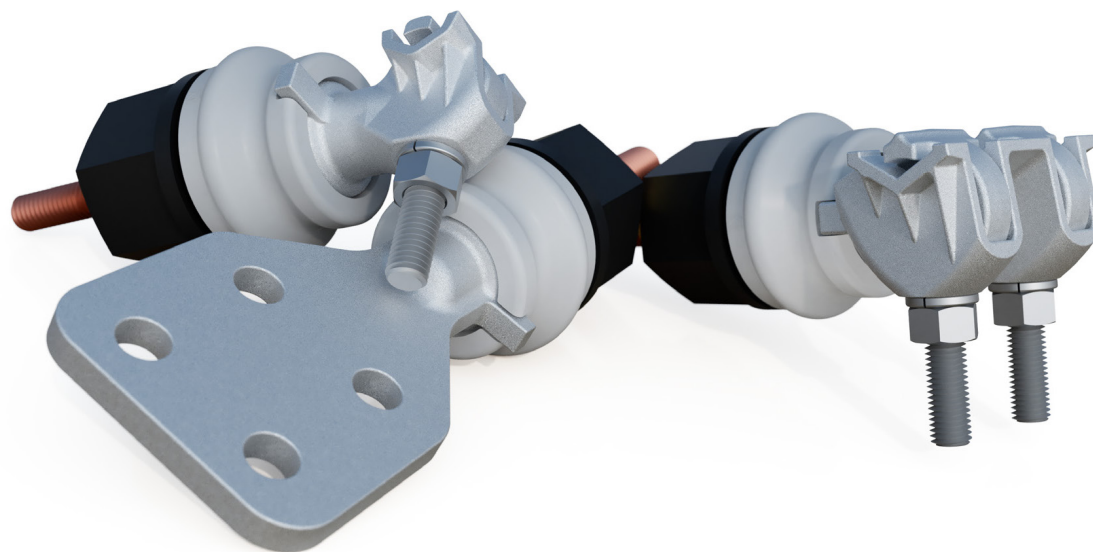


Low Voltage Pole Bushing 1.2 kV Class 30 kV BIL (75/100 kVA)



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



Design Advantages

Bushing Body

- Thermoset Polyester compound for strength, temperature rating, UV stability, and service life.

Mounting Nut

- Thermoplastic glass reinforced material

Gaskets

- Buna-N material

Casting

- Tin-plated silicon bronze
- Specially designed for additional strength

The secondary bushing is designed for reliability and service.

- Our bushing is molded using a reliable *thermoset glass-filled polyester* material. It has superior temperature stability, strength, toughness, dielectric strength, and weatherability.
- Our mounting nut has *3 thread engagement* for maximum use of the installation torque. The longer nut allows easier installation by the operator.
- A *fully retained gasket* controls gasket compression and protects the gasket from UV exposure.

Accelerated Aging Testing

- UV aging for 1000 hours followed by leak test and 60Hz dry withstand.
- Thermocycle test (10 cycles) followed by leak test and dry withstand.

Application

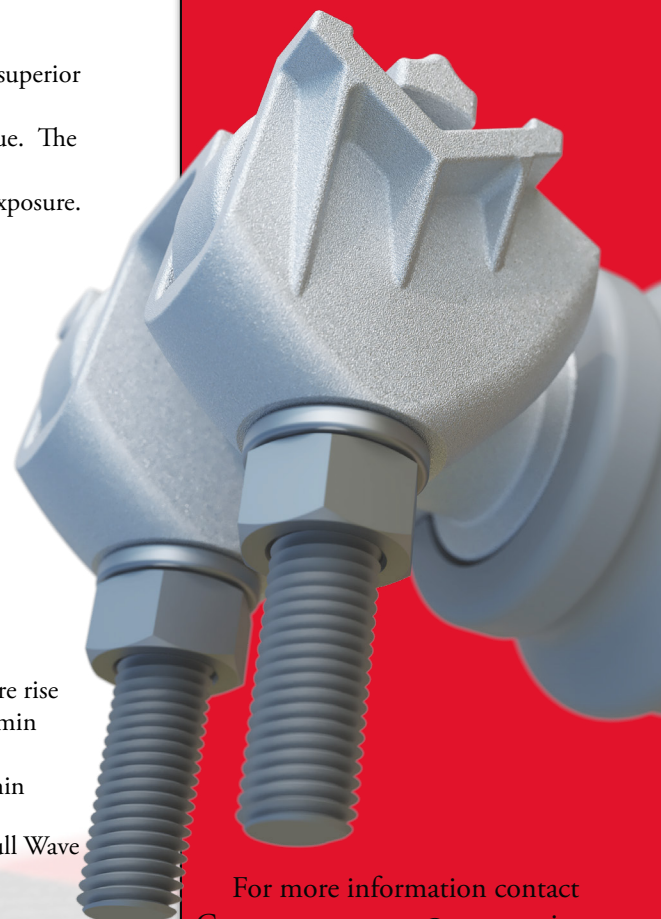
- 75-100 kVA 120-240 V, 240-480 V, 277 V
- Maximum Continuous Line to Ground 600 Volts RMS
- 1.2 kV Class 30 kV BIL

Mechanical Testing

- Cantilever strength test
- Cantilever gasket leak test
- Torque test mounting nut
- Torque test copper stud
- Torque test eyebolt

Dielectric Testing

- Hi-Pot Testing in Air
- Continuous current temperature rise
- 60Hz dry withstand 10kV - 1 min
- 60Hz dry flashover
- 60Hz wet withstand 6kV - 1 min
- 60Hz wet flashover
- Impulse Withstand = 30 kV Full Wave (+3/-3 shots)



For more information contact
Componentssupport@ermco-eci.com
or call (423)638-2302

www.ermco-eci.com D-2 | Page 1

Ordering Information and Details

Bushings with Mounting Nut and Gasket				
Single Terminal - Brass casting alloy (CDA 84400 or CDA83600) with tin plating Eyebolt - Bronze casting alloy (CDA95500) with tin plating Stud - Copper (CDA 11000)				
Catalog Number	Rating		Thread Size	
	AMP	Typical KVA	Eyebolt	Stud
9U10LPB101	915	75/100	1/2-13 UNC-2A	5/8-11 UNC-2A

[For more information see page 3](#)

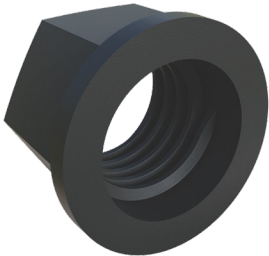
Bushings with Mounting Nut and Gasket				
Double Terminal - Brass casting alloy (CDA 84400 or CDA83600) with tin plating (2) Eyebolts - Bronze casting alloy (CDA95500) with tin plating Stud - Copper (CDA 11000)				
Catalog Number	Rating		Thread Size	
	AMP	Typical KVA	Eyebolt	Stud
9U10LPB102	1100	75/100	1/2-13 UNC-2A	3/4-10 UNC-2A

[For more information see page 4](#)

Bushings with Mounting Nut and Gasket				
Spade - Brass casting alloy (CDA 84400 or CDA83600) with tin plating Stud - Copper (CDA 11000)				
Catalog Number	Rating		Spade Design	Stud Thread
	AMP	Typical KVA		
9U10SPB411	915	75/100	4 Hole Spade	5/8-11 UNC-2A
9U10SPB412	1100	75/100	4 Hole Spade	3/4-10 UNC-2A

[For more information see page 5](#)

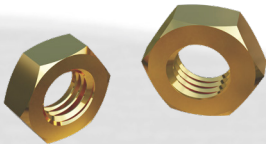
Replacement Parts	
Catalog Number	Description
9U10PRT006	Mounting Gasket
9U10PRT007	Mounting Nut
9U10PRT008	5/8-11 Brass Hex Jam Nut
9U10PRT009	3/4-10 Brass Hex Jam Nut



Mounting Nut



Mounting Gasket



Brass Hex Jam Nut

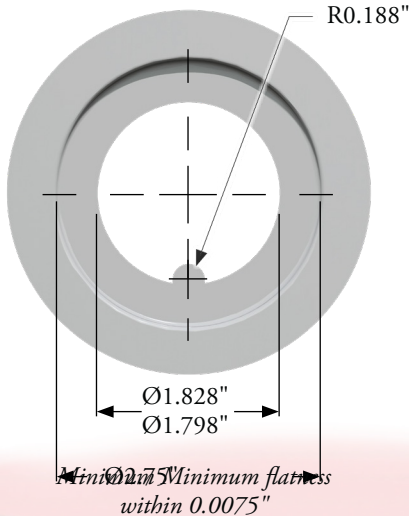


Figure 1
Recommended Punch Detail

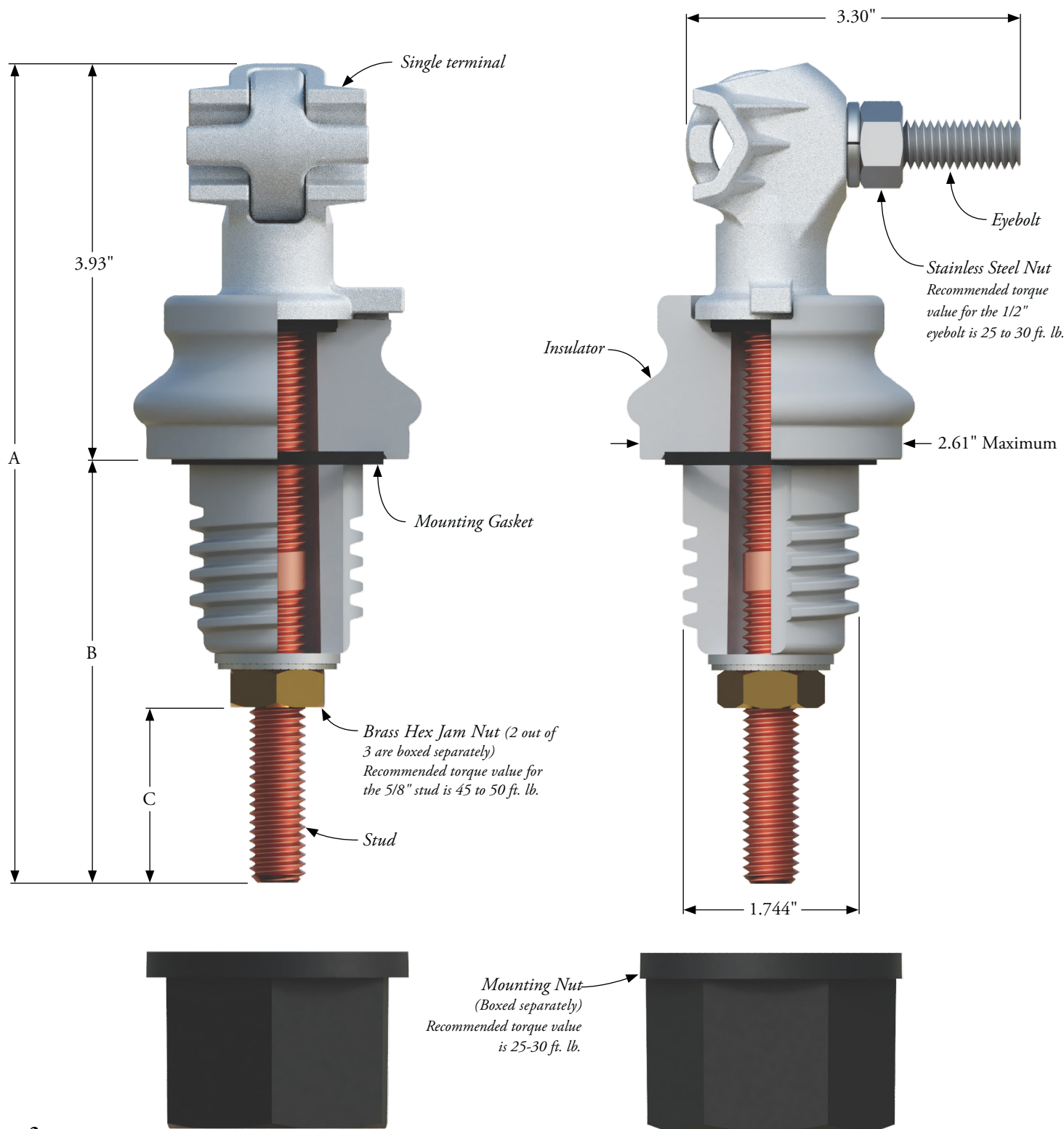


Figure 2
Low Voltage Pole Bushing with Terminal and Eyebolt

Note: Dimensions are given for reference only.

Catalog Number	Rating					Thread Size			Cable	Dimensions (Inches)		
	Typical KVA	kV Class	AMP	HIPOT kV	Impulse kV BIL	Terminal	Eyebolt	Stud		A	B	C
9U10LPB101	75/100	1.2	915	10	30	5/8-11	1/2-13	5/8-11	#1/0 SOL - 500 MCM	8 1/4	4 5/16	1 3/4

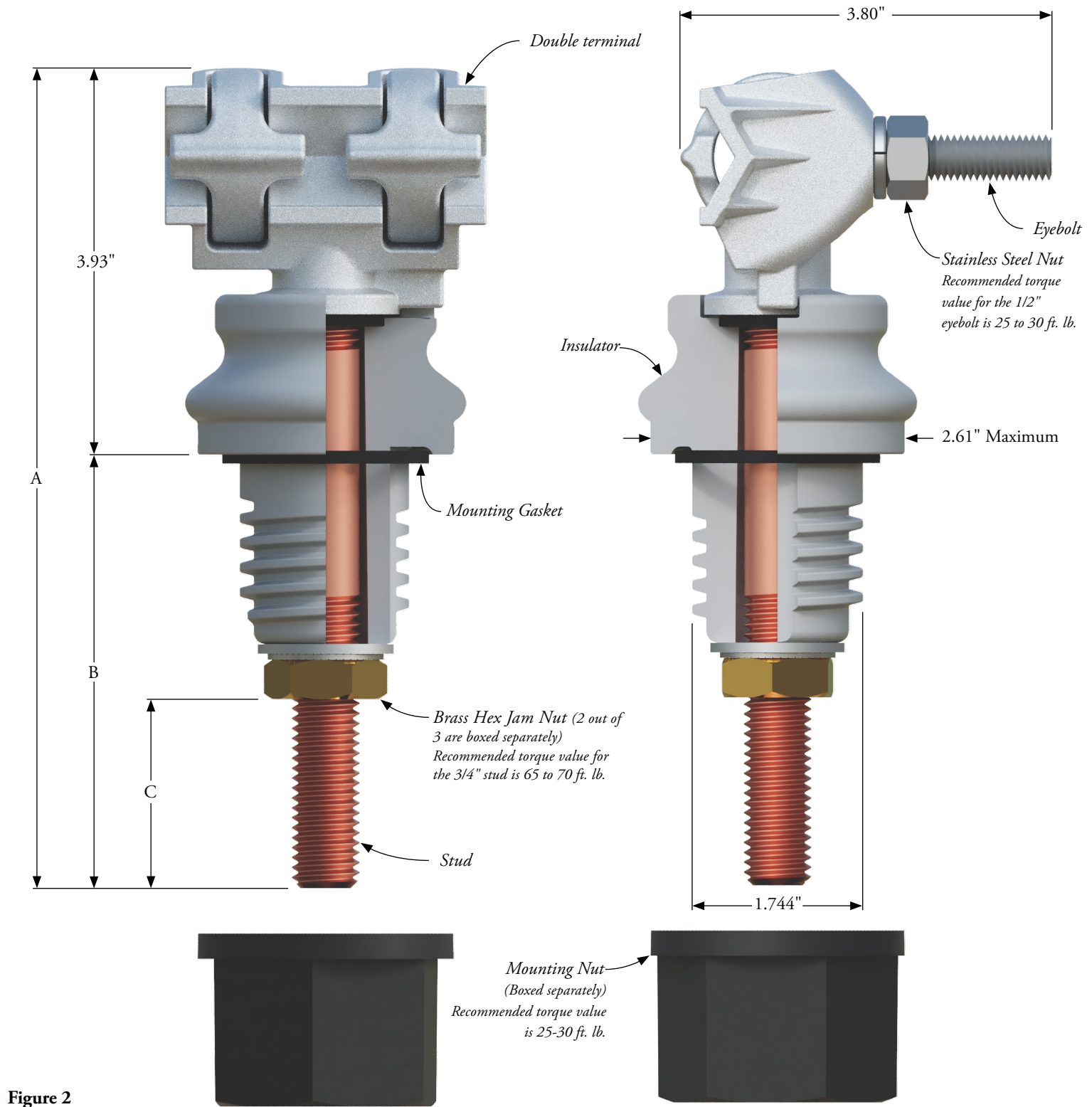


Figure 2
Low Voltage Pole Bushing with Terminal and (2) Eyebolts

Note: Dimensions are given for reference only.

Catalog Number	Rating					Thread Size			Cable	Dimensions (Inches)		
	Typical KVA	kV Class	AMP	HIPOT kV	Impulse kV BIL	Terminal	Eyebolt	Stud		A	B	C
9U10LPB102	75/100	1.2	1100	10	30	3/4-10	1/2-13	3/4-10	#2/0 SOL - 1000 MCM	8 7/16	4 1/2	1 7/8

Dimensions and Details

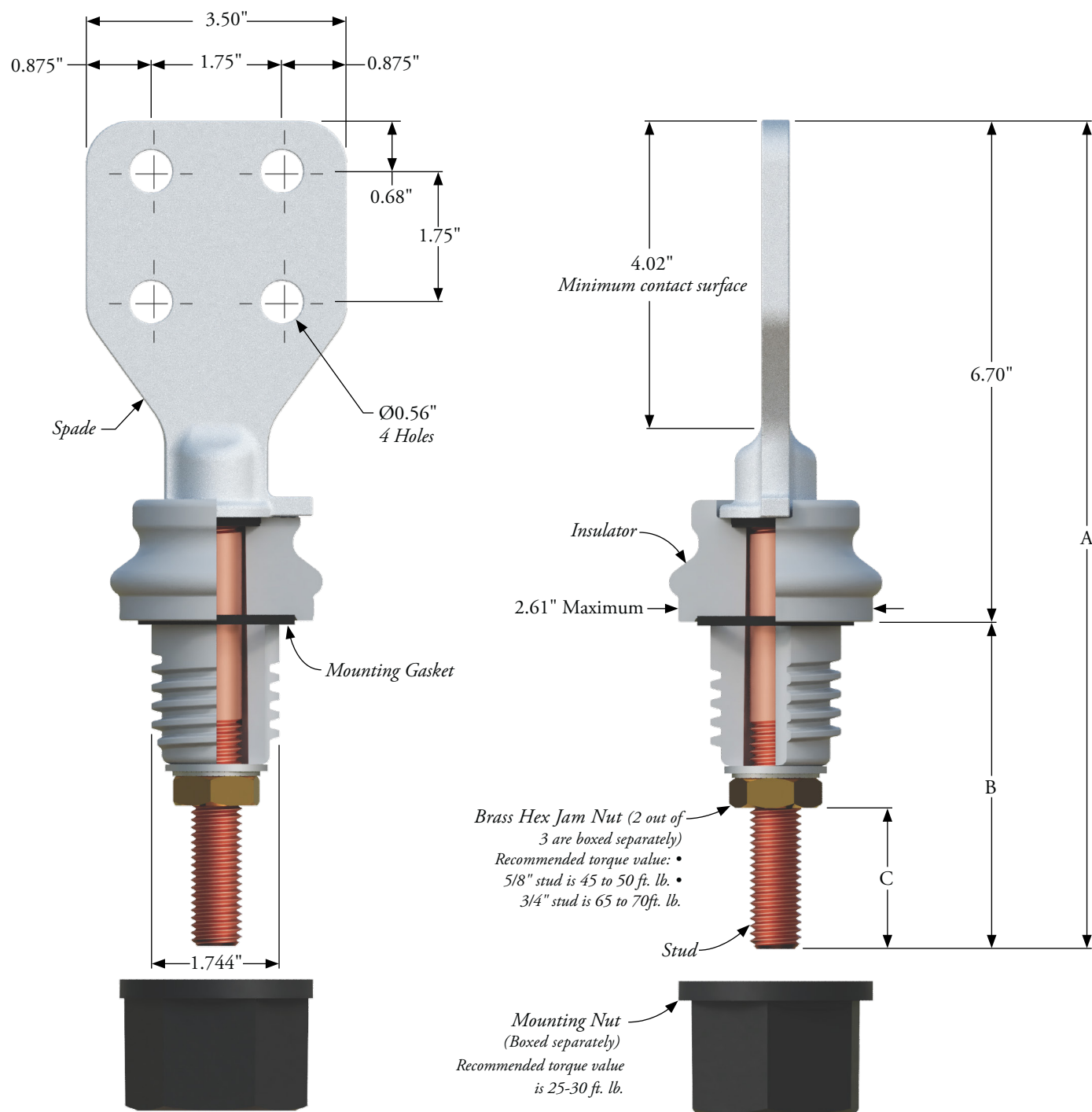


Figure 3
Low Voltage Pole Bushing with Spade

Note: Dimensions are given for reference only.

Catalog Number	Rating					Thread Size		Spade Design	Dimensions (Inches)		
	Typical KVA	kV Class	AMP	HIPOT kV	Impulse kV BIL	Spade	Stud		A	B	C
9U10SPB411	75/100	1.2	915	10	30	5/8-11	5/8-11	4 Hole spade	11 1/4	4 1/2	1 7/8
9U10SPB412	75/100	1.2	1100	10	30	3/4-10	3/4-10	4 Hole spade	11 1/4	4 1/2	1 7/8



Made in USA

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