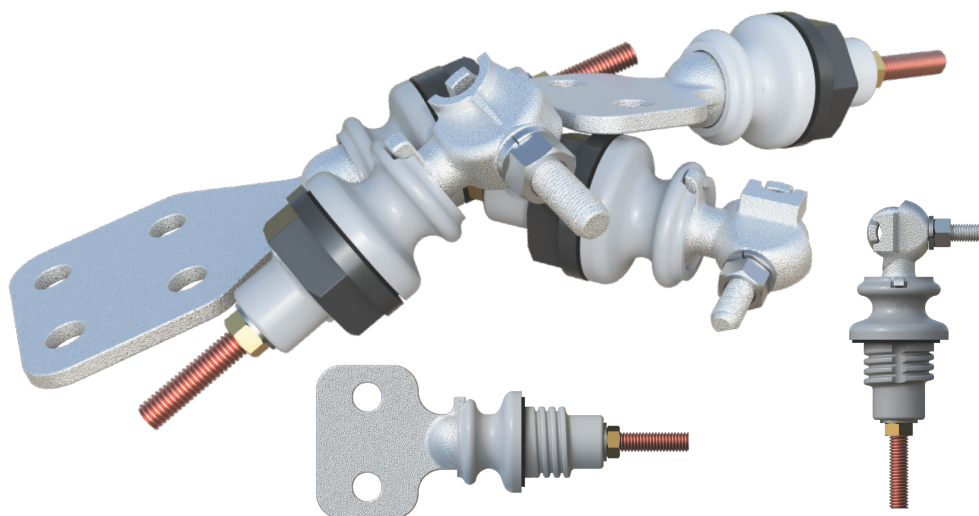


Low Voltage Pole Bushing 1.2 kV Class 30 kV BIL (10/50 kVA)



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



Design Advantages

Bushing Body

- Thermoplastic glass reinforced 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 highly ridge thermoplastic glass-filled material, which gives it superior mechanical strength, dielectric strength, temperature stability, UV stability, and weatherability.
- Our mounting nut has *2 full thread engagement* for maximum use of the installation torque.
- 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.

Mechanical Testing

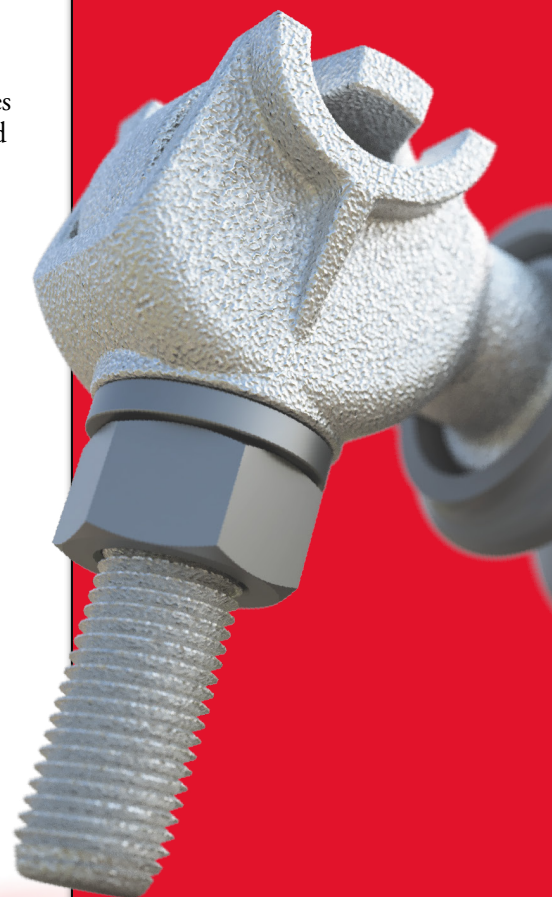
- Cantilever strength test
- Cantilever gasket leak test
- Torque test mounting nut
- Torque test copper stud
- Torque test eyebolt

Application

- 5-50 kVA
1 V, 240-480 V, 277 V
- Maximum Continuous Line to Ground
600 Volts RMS
- 1.2 kV Class 30 kV BIL

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-1 | Page 1

Ordering Information and Details

Bushings with Mounting Nut and Gasket				
Terminal - Brass casting alloy Eyebolt - Bronze casting alloy Stud - Copper				
Catalog Number	Rating		Thread Size	
	AMP	Typical KVA	Eyebolt	Stud
9U10LPB010	63	10/15	3/8-16 UNC-2A	3/8-16 UNC-2A
9U10LPB025	104	25	1/2-13 UNC-2A	3/8-16 UNC-2A
9U10LPB050	208	50	1/2-13 UNC-2A	1/2-13 UNC-2A

For more information see pages 3 and 4

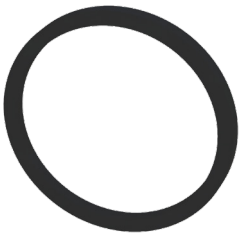
Bushings with Mounting Nut and Gasket				
Spade - Brass casting alloy Stud - Copper				
Catalog Number	Rating		Spade Design	Stud Thread
	AMP	Typical KVA		
9U10SPB201	104	25	2 Hole Spade	3/8-16 UNC-2A
9U10SPB202	208	50	2 Hole Spade	1/2-13 UNC-2A
9U10SPB401	104	25	4 Hole Spade	3/8-16 UNC-2A
9U10SPB402	208	50	4 Hole Spade	1/2-13 UNC-2A

For more information see pages 5 and 6

Replacement Parts	
Catalog Number	Description
9U10PRT001	Mounting Gasket
9U10PRT002	Mounting Nut
9U10PRT003	3/8-16 Brass Hex Jam Nut
9U10PRT004	1/2-13 Brass Hex Jam Nut



Mounting Nut



Mounting Gasket



Brass Hex Jam Nut

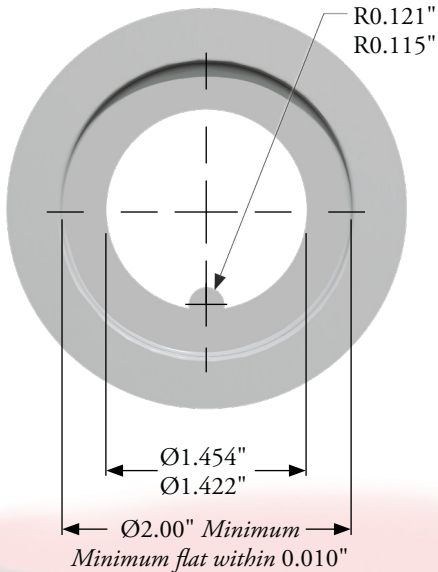


Figure 1
Recommended Punch Detail

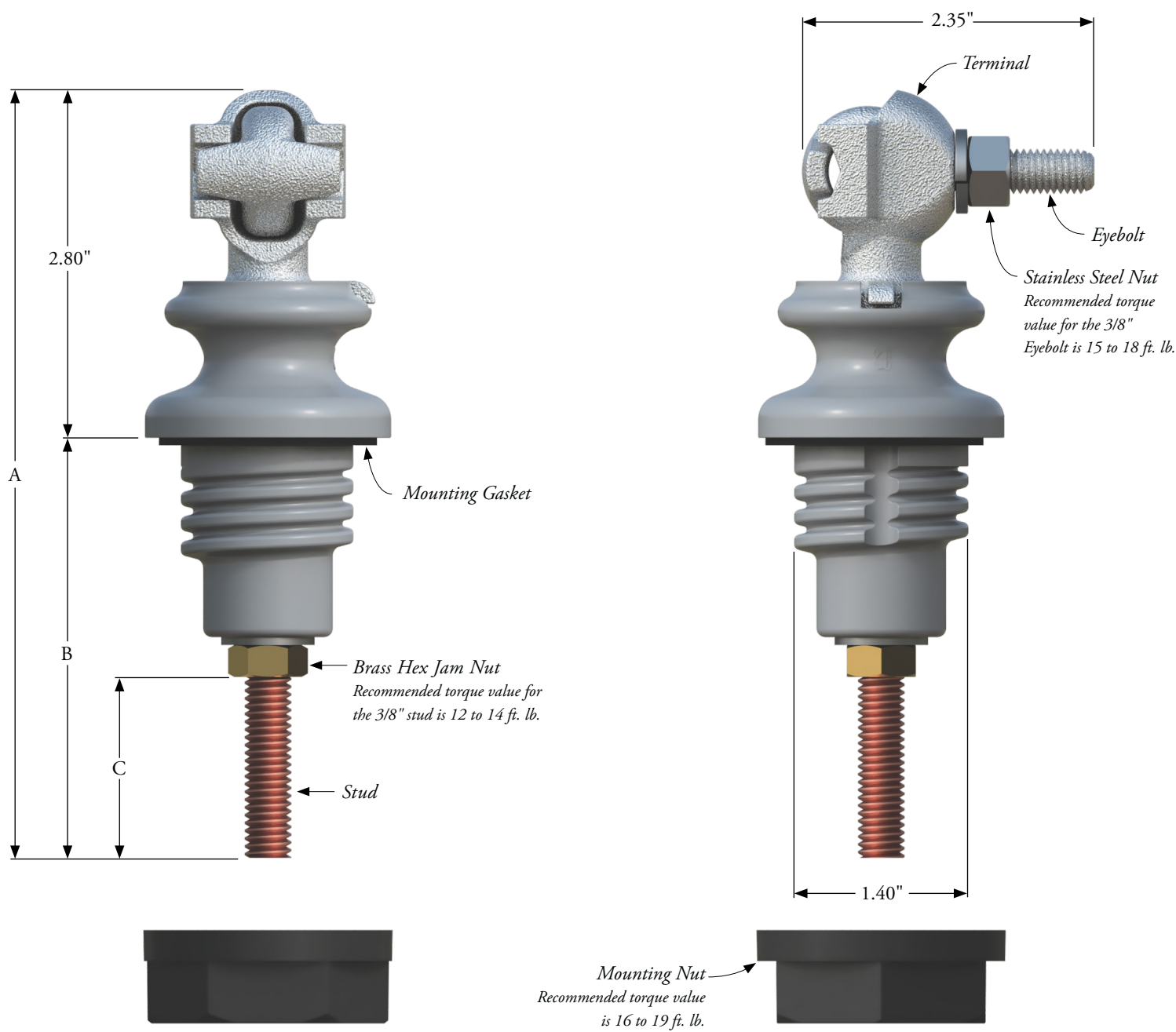


Figure 2
Low Voltage Pole Bushing with Terminal and Eyebolt

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
9U10LPB010	10/15	1.2	63	10	30	3/8-16	3/8-16	3/8-16	#6 Solid - 4/0 Stranded	6 1/8	3 3/8	1 1/2

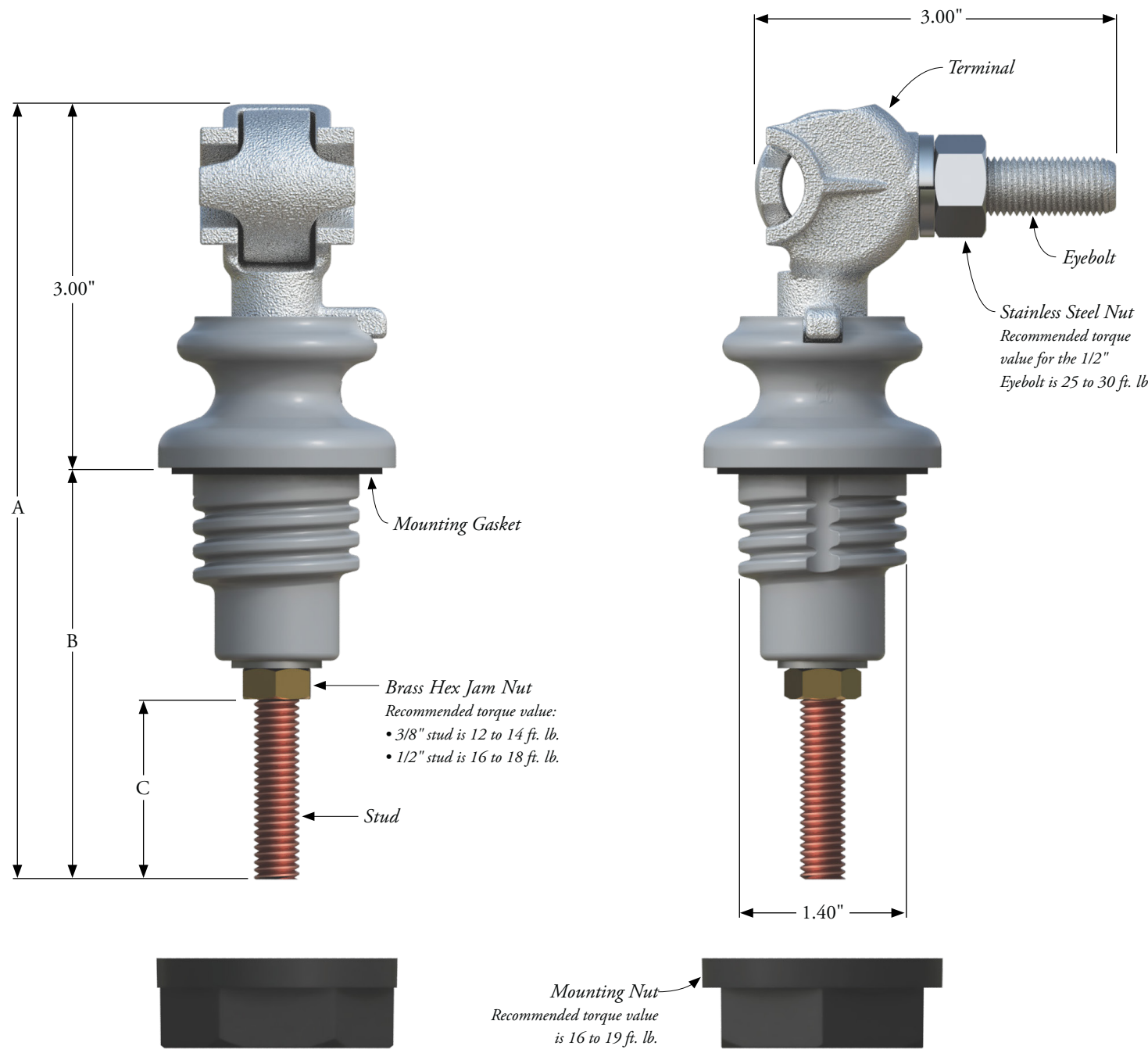


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Catalog Number	Rating					Thread Size			Cable	Dimensions (Inches)		
	Typical KVA	kV Class	AMP	HIPOT kV	Impulse kV BIL	Terminal	Eyebolt	Stud		A	B	C
9U10LPB025	25	1.2	104	10	30	3/8-16	1/2-13	3/8-16	#2 Solid - 350 MCM Stranded	6 3/8	3 3/8	1 1/2
9U10LPB050	50	1.2	208	10	30	1/2-13	1/2-13	1/2-13	#2 Solid - 350 MCM Stranded	6 5/8	3 5/8	1 5/8

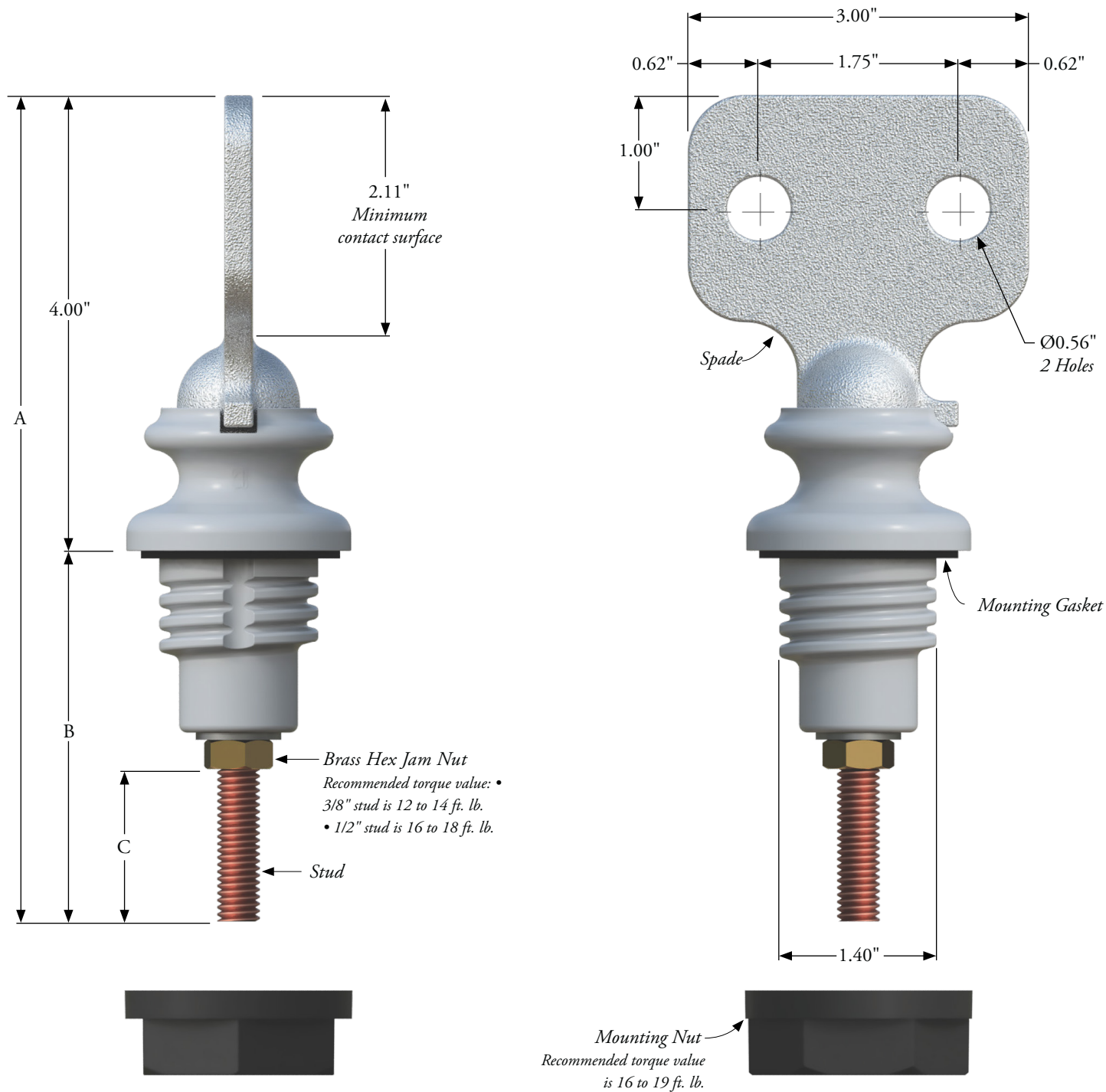


Figure 3
Low Voltage Pole Bushing with Spade

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
9U10SPB201	25	1.2	104	10	30	3/8-16	3/8-16	2 Hole Spade	7 1/4	3 1/4	1 3/8
9U10SPB202	50	1.2	208	10	30	1/2-13	1/2-13	2 Hole Spade	7 1/2	3 1/2	1 1/2

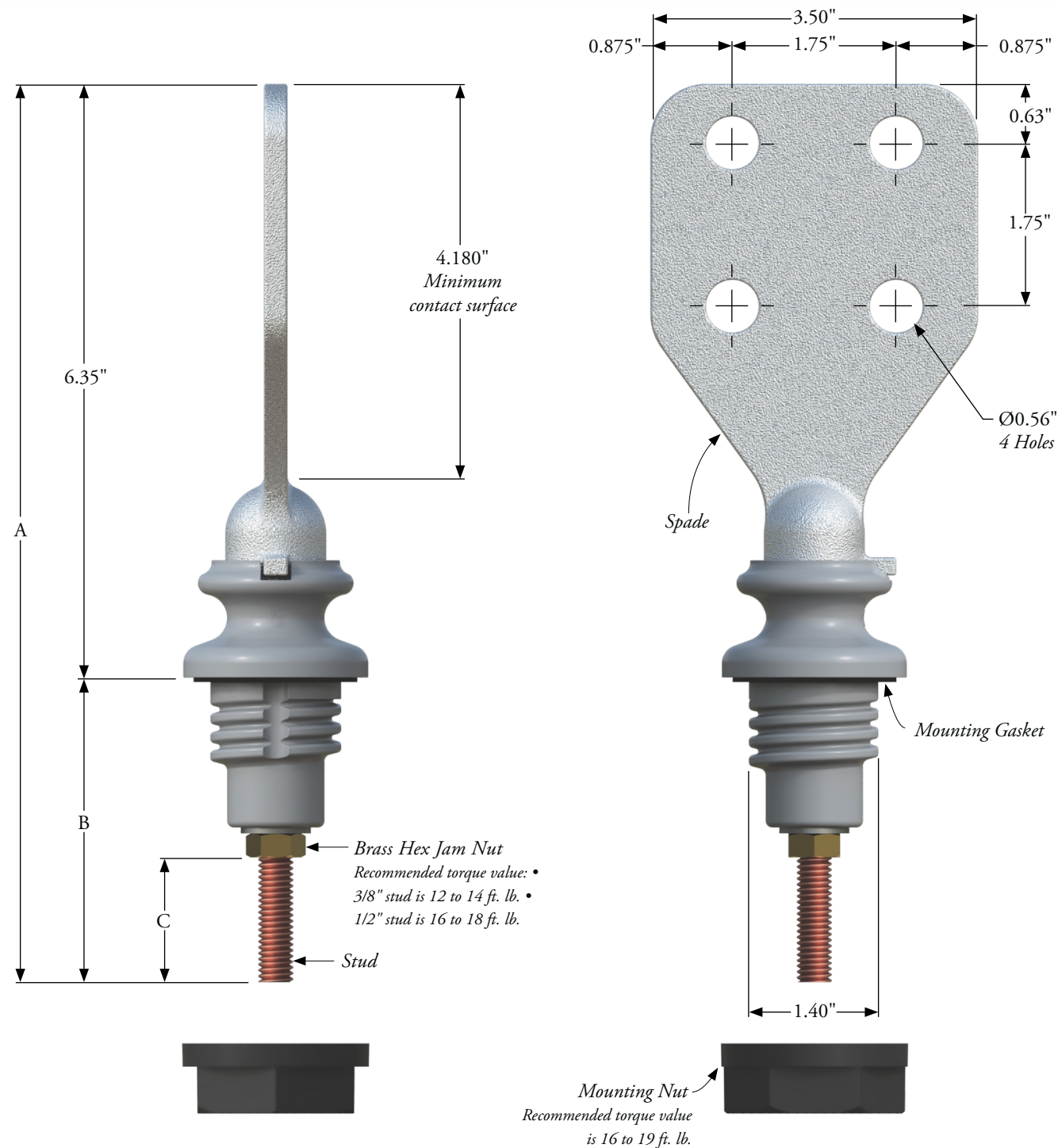


Figure 3
Low Voltage Pole Bushing with Spade

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
9U10SPB401	25	1.2	104	10	30	3/8-16	3/8-16	4 Hole Spade	9 5/8	3 1/4	1 3/8
9U10SPB402	50	1.2	208	10	30	1/2-13	1/2-13	4 Hole Spade	10	3 1/2	1 5/8



Made in USA

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