

Austin Insulators Inc.

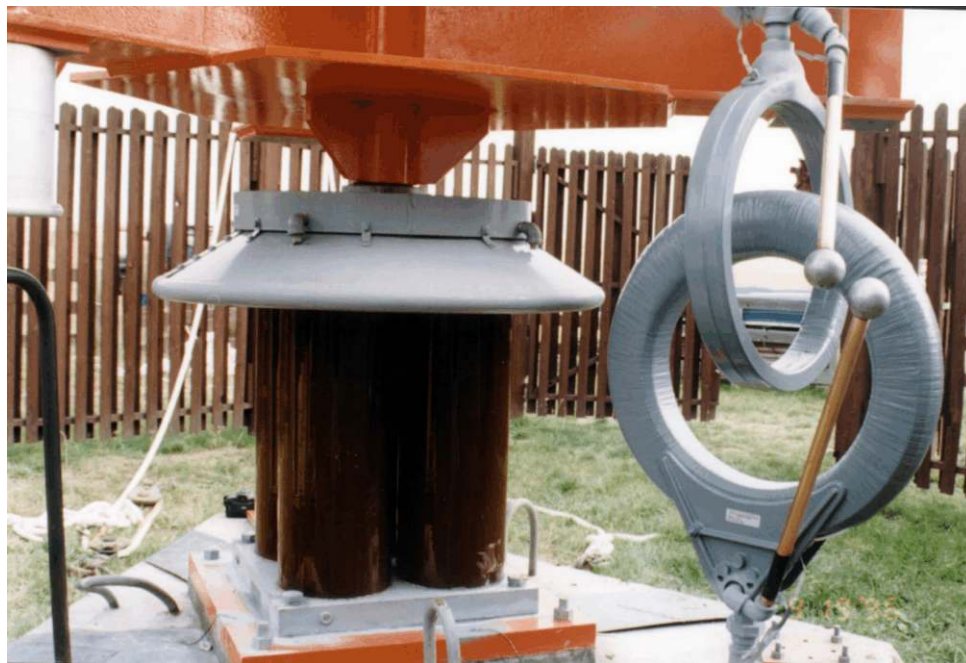
Manufacturers of Austin Base & Guy Insulators and
Isolation Transformers for Radio Antenna Towers

Product Catalogue



Austin Insulators Inc.

Austin Ring Type Isolation Transformers for Radio Tower and Mast Lighting Dual Winding Series



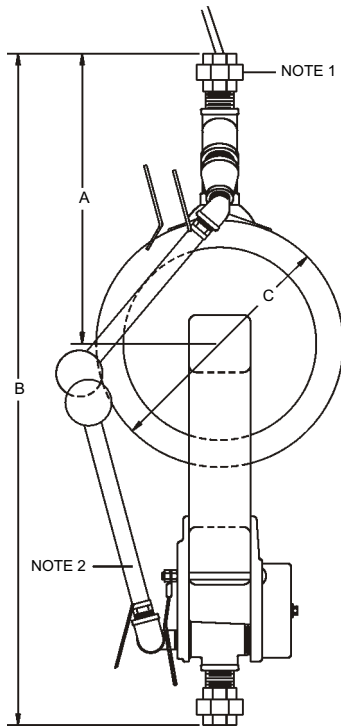
- Air Insulation** - Minimum R.F. loss
- Low Capacitance** - Minimum and stable effect on tuning
- Regulation** - Better than 10% under normal load conditions

- Efficiency** - Better than 90% under normal load conditions
- Mounting** - Standard pipe unions supplied
- Lightning Gap** - Supplied

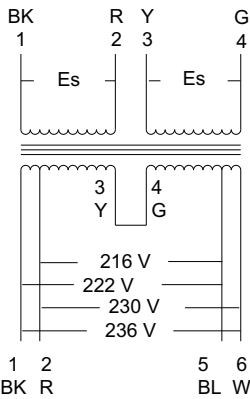
Special Transformer Mounting Kits Available for Austin Base Insulators



AUSTIN LIGHTING TRANSFORMERS

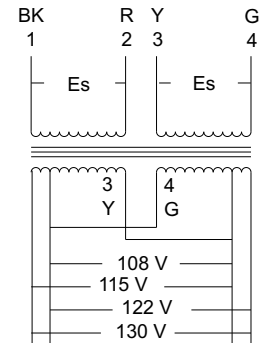


SECONDARY VOLTAGE - Es
115 V FOR D1 TYPE
230 V FOR D2 TYPE



CONNECTIONS FOR 230
NOMINAL LINE VOLTAGES

SECONDARY
CONNECTIONS



CONNECTIONS FOR 115
NOMINAL LINE VOLTAGES

PRIMARY
CONNECTIONS

REFER TO INSTRUCTIONS SUPPLIED WITH TRANSFORMER
FOR INSTALLATION AND CONNECTION DETAILS.

DIMENSIONS

Rating kVA	A	B	C	Pipe Fittings	Connecting Colour Code
0.7 & 1.7	15 " (381 mm)	33 3/4" (857 mm)	12 1/2" (318 mm)	1" NPT	BK Black #1
2.5	24 1/2" (622 mm)	61 " (1,549 mm)	25 " (635 mm)	1 1/2" NPT	R Red #2
3.5	18 3/4" (476 mm)	43 " (1,092 mm)	16 " (406 mm)	1 1/2" NPT	Y Yellow #3
5.0	24 1/2" (622 mm)	61 " (1,549 mm)	25 " (635 mm)	1 1/2" NPT	G Green #4
					BL Blue #5
					W White #6

Transformer Type	Capacity kVA	Secondary Voltage	Net Weight		RF Dry Flashover kV rms	RF Wet Withstand kV rms
			lb.	kg		
A-07D1	0.7	115/230	70	(32 kg)	46	15
A-07D2	0.7	230/460	70	(32 kg)	46	15
A-17D1	1.7	115/230	90	(41 kg)	46	15
A-17D2	1.7	230/460	90	(41 kg)	46	15
A-25D1	2.5	115/230	350	(159 kg)	71	37
A-25D2	2.5	230/460	350	(159 kg)	71	37
A-35D1	3.5	115/230	190	(86 kg)	60	24
A-35D2	3.5	230/460	190	(86 kg)	60	24
A-50D1	5.0	115/230	370	(168 kg)	71	37
A-50D2	5.0	230/460	370	(168 kg)	71	37

HEAD OFFICE AND PLANT:

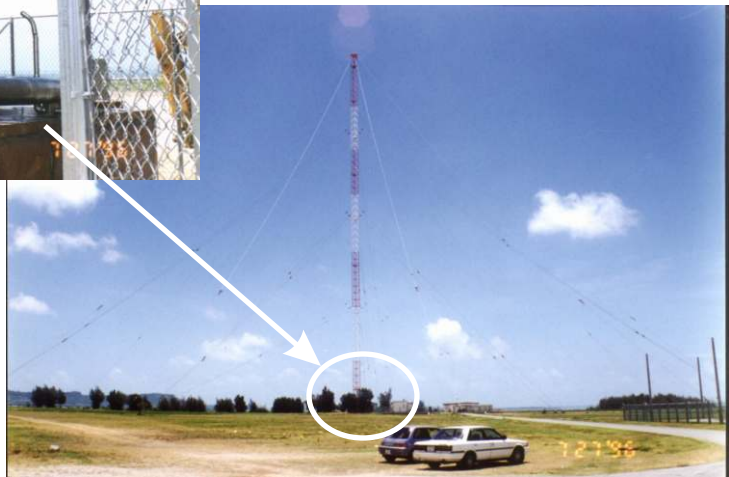
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e-mail: mcallow@austin-insulators.com

Austin Insulators Inc.

Austin Base Insulators for Guyed Radio Antenna Masts



oil filled to eliminate R.F. loss due to water condensation on internal surfaces
smooth insulator finish minimizes leakage and flashover due to surface contamination
insulators for higher mechanical and electrical loads are available.

Please call, write, or e-mail stating your requirements.

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AUSTIN BASE INSULATORS

Insulator Type	Number of Elements	Recommended Maximum Working Download (note 1)	Allowable Shear as a Percentage of Download	1 Minute Drip Wet Withstand at 100 kHz Voltages kV rms (notes 2 & 5)	
				Standard Rainshield	High Voltage Rainshield
A-4197L	1	40,000 lb 18,144 kg	6.0 %	28	n/a
A-4722B	1	80,000 lb 36,288 kg	6.0 %	39	53
A-0881	1	150,000 lb 68,040 kg	5.3 %	67	95
A-0729	1	200,000 lb 90,720 kg	5.8 %	67	95
A-0167	1	270,000 lb 122,472 kg	6.2 %	67	95
A-3663B	3	375,000 lb 170,100 kg	3.2 %	71	99
A-4447B	5	625,000 lb 283,500 kg	3.1 %	71	99
A-3820R	8	1,000,000 lb 453,600 kg	3.0 %	71	99
A-4544	12	1,500,000 lb 680,400 kg	2.9 %	71	99
A-4598	21	2,500,000 lb 1,134,000 kg	2.8 %	71	99

Note 1: Allows for a minimum Safety Factor of 3.

Note 2: The drip wet figures above are a minimum achieved with the insulator standing directly on the ground plane. Higher voltages can be expected with the insulator installed on a pier.

Note 3: Rocking plate on insulator A-0881 is 1 3/8" (34.9 mm) thick with a 8 1/2" (216 mm) diameter.
 Rocking plate on insulator A-0729 is 1 3/8" (34.9 mm) thick with a 9 1/2" (241 mm) diameter.
 Rocking plate on insulator A-0167 is 1 3/8" (34.9 mm) thick with a 10 1/2" (267 mm) diameter.
 Rocking plate on insulator A-3663B is 1 3/8" (34.9 mm) thick with a 12 1/4" (311 mm) diameter.
 Rocking plate on insulator A-4447B is 1 5/8" (41.3 mm) thick with a 15" (381 mm) diameter.
 Rocking plate on insulator A-3820R is 2 1/2" (63.5 mm) thick with a 20" (508 mm) diameter.
 Rocking plate on insulator A-4544 is 2 1/2" (63.5 mm) thick with a 20" (508 mm) diameter.
 Rocking plate on insulator A-4598 is 2 1/2" (63.5 mm) thick with a 24" (610 mm) diameter.

Note 4: Centre pin on insulators A-0881 to A-4447B are 1 1/2" (38.1 mm) diameter, protruding 1 1/2" (38.1 mm) above the rocking plate.

Centre pin on insulators A-3820 to A-4598 are 2" (50.8 mm) diameter, protruding 1 1/2" (38.1 mm) above the rocking plate.

Note 5: Recommended Operating Voltage is 60% of Drip Wet Withstand Voltage.

Insulators A-4197L and A-4722B are designed to be rigidly attached to the mast and are free to rock on their mounting plates. All other types attach to the mounting pier or pedestal provided by the customer and the mast is left free to rock on the insulator rocking plate supplied.

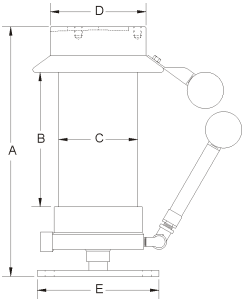
All insulators are fitted with an adjustable lightning gap.

Insulators A-4197L and A-4722B have cemented ends. All other types are supplied with temporary tie-rods which are removed ONLY when mast erection is complete.

All insulators with the exception of the A-4197L can be fitted with a high voltage rainshield as an optional extra to improve the voltage rating.

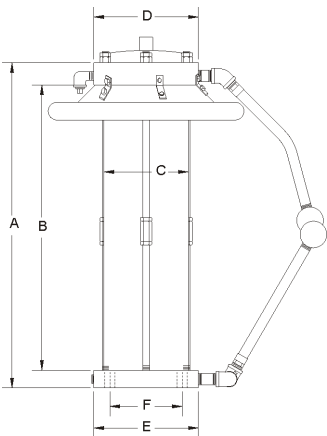
AUSTIN BASE INSULATORS

TYPES: A-4197L, A-4722B



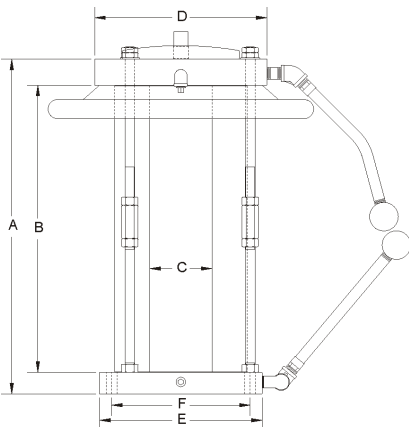
Dimensions								
Type	A (mm)	B (mm)	C Dia. (mm)	D Dia. (mm)	E Dia. (mm)	Mast Fixing (mm)	Insulator Mounting (mm)	Weight (kg)
A-4197L	13.5" (343)	7" (178)	4" (102)	7.75" (197)	7" (178)	3 holes drilled 5/8" on 6.5" (15.9 on 165) BCD	3 holes drilled 11/16" on 5.5" (17.5 on 140) BCD	35 lb (16)
A-4722B	26.5" (673)	17.5" (445)	6.5" (165)	7.88" (200)	10" (254)	3 holes tapped 5/8"-11 TPI on 6.5" (165) BCD	4 holes drilled 3/4" on 8" (19.1 on 203) BCD	110 lb (50)

TYPES: A-0881, A-0729, A-0167



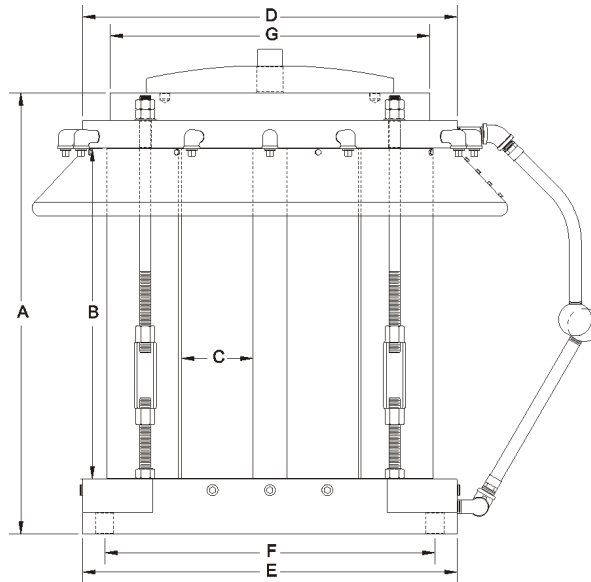
Dimensions									
Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Mast Fixing (mm)	Insulator Mounting (mm)	Weight (kg)
A-0881	36.5" (927)	32" (813)	9.375" (238) dia.	12.375" (314) dia.	12.125" (308) square	8.125" (206)	Centre pin (note 4) Mast base clearance dia. 8 3/4" (222)	4 holes drilled 1 1/8" (28.6) square base	285 lb (129)
A-0729	37" (940)	32" (813)	10.25" (260) dia.	13.5" (343) dia.	13.25" (337) square	9" (229)	Centre pin (note 4) Mast base clearance dia. 9 3/4" (248)	4 holes drilled 1 1/4" (31.8) square base	365 lb (166)
A-0167	37" (940)	32" (813)	11" (279) dia.	14.25" (362) dia.	13.75" (349) square	10.6" (269)	Centre pin (note 4) Mast base clearance dia. 10 1/2" (267)	4 holes drilled 1 1/4" (31.8) square base	420 lb (191)

TYPES: A-3663B, A-4447B, A-3820R



Dimensions									
Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Mast Fixing (mm)	Insulator Mounting (mm)	Weight (kg)
A-3663B	35" (889)	30" (762)	6.5" (165) dia.	18" (457) dia.	17" (432) dia.	Refer to "Insulator Mounting" column	Centre pin (note 4) Mast base clearance dia. 13" (330)	4 holes drilled 1 3/8" on 15 (28.6 on 381) BCD round base	575 lb (261)
A-4447B	35" (889)	30" (762)	6.5" (165) dia.	21" (533) dia.	21" (533) square	18" (457)	Centre pin (note 4) Mast base clearance dia. 16" (406)	4 holes drilled 1 3/8" (34.9) square base	925 lb (420)
A-3820R	35.5" (902)	30" (762)	6.5" (165) dia.	27.5" (699) dia.	27.5" (699) square	24.5" (622)	Centre pin (note 4) Mast base clearance dia. 10 1/2" (267)	4 holes drilled 1 1/4" (31.8) square base	2,450 lb (1,111)

AUSTIN BASE INSULATORS



TYPES: A-4544, A-4598

Dimensions										
Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Mast Fixing (mm)	Insulator Mounting (mm)	Weight (kg)
A-4544	40" (1016)	30" (762)	6.5" (165) dia.	34" (864) dia.	34" (864) square base	30" (762)	29" (737)	Centre pin (note 4) Mast base clearance dia. 29.5" (749)	4 holes drilled 1 1/2" (38.1) square base	3,425 lb (1,554)
A-4598	42" (1067)	30" (762)	6.5" (165) dia.	42" (1067) dia.	42" (1067) square base	36" (914)	36" (914)	Centre pin (note 4) Mast base clearance dia. 36" (914)	4 holes drilled 1 5/8" (41.3) square base	6,430 lb (2,917)

HOW TO CHOOSE YOUR BASE INSULATOR

All Austin base insulators are designed for VLF, LF, and MF use.

First, select the unit that meets your requirements for maximum working down and shear value. Second, ensure that your peak RF operating voltage is safely below the drip wet withstand voltage on the table.

If you have a requirement for a base insulator which is not met by the products described in this brochure, or you wish us to recommend a suitable insulator, please call, write, or e-mail, giving as much relevant information as you have available.

Mounting kits can be supplied as an optional extra to mount Austin Transformers between the top and bottom plates.

OTHER PRODUCTS

Base Insulators for Self Supporting Towers
 Direct Fitting Replacement Base Insulators
 Guy Line Insulators
 Tower Lighting Transformers
 Static Drain Resistors & Chokes
 Feed Through Insulators
 Custom Designed Insulators

HEAD OFFICE AND PLANT:

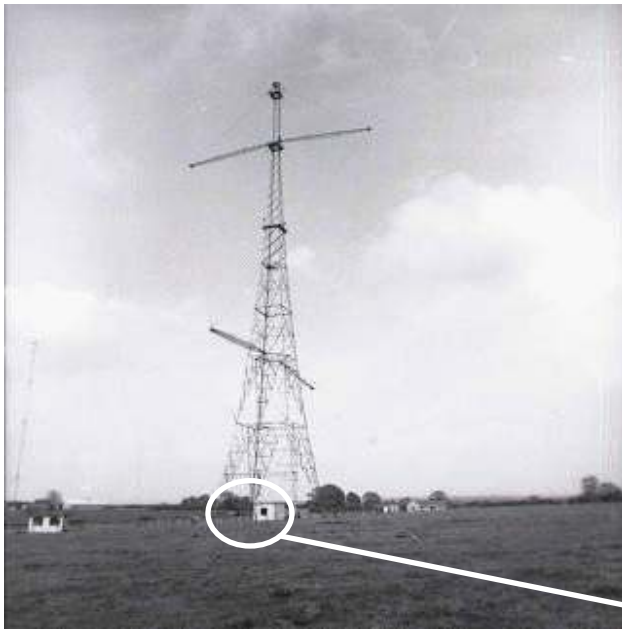
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Austin Insulators Inc.

Austin Base Insulators for Self Supporting Radio Towers and Masts



Oil filled to eliminate RF loss due to water condensation on internal surfaces. Additional benefits are elimination of 'hot spots' and easy detection of porcelain failure. Smooth insulator finish minimizes leakage and flash-over due to surface contamination. Items listed are types recommended for new construction. Custom designed insulators are available to replace other manufacturer's obsolete product line. Insulators for higher mechanical and electrical loads are available. Please call, write or e-mail stating your requirements. All insulators are supplied with adjustable lightning gap.

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AUSTIN BASE INSULATORS

Insulator Type	Number of Elements	Recommended Maximum Working Download (note 1)	Recommended Maximum Working Uplift (note 1)	Permissible Shear at Rated Uplift (note 2)	Preload	1 Minute Drip Wet Withstand at 100 kHz Voltages kV rms (notes 2 & 5)	
						Standard Rainshield	High Voltage Rainshield
*A-4950 A-4950C	1	25,000 lb 11,340 kg	17,500 lb 7,938 kg	680 lb 308 kg	25,000 lb 11,340 kg	32	44
*A-4938 A-4938C	1	50,000 lb 22,680 kg	35,000 lb 15,876 kg	1,850 lb 839 kg	50,000 lb 22,680 kg	22	30
*A-4881 A-4881C	1	75,000 lb 34,020 kg	52,500 lb 23,814 kg	2,400 lb 1,089 kg	75,000 lb 34,020 kg	71	99
*A-4729 A-4728C	1	100,000 lb 45,360 kg	70,000 lb 31,752 kg	3,600 lb 1,633 kg	100,000 lb 45,360 kg	71	99
*A-3167 A-3167C	1	150,000 lb 68,040 kg	105,000 lb 47,628 kg	6,300 lb 2,858 kg	150,000 lb 68,040 kg	71	99
*A-2812 *A-2812C	3	250,000 lb 113,400 kg	196,000 lb 88,906 kg	10,000 lb 4,536 kg	280,000 lb 127,008 kg	71	99
*A-2913 A-2913C	3	375,000 lb 170,100 kg	280,000 lb 127,008 kg	15,500 lb 7,031 kg	400,000 lb 181,440 kg	71	99
*A-3782 A-3782C	5	600,000 lb 272,160 kg	455,000 lb 206,388 kg	25,000 lb 11,340 kg	650,000 lb 294,840 kg	71	99
*A-4049 A-4049C	6	900,000 lb 408,240 kg	600,000 lb 272,160 kg	42,000 lb 19,051 kg	900,000 lb 408,240 kg	71	99

* Identical insulator except has a round base with studs.

Note 1: Allows for a minimum Safety Factor of 3.

Note 2: The permissible shear loads stated above assume that the insulators are worked at their stated recommended maximum working uplifts. If your required working uplift is lower than that given in the table above, a higher shear load is permissible. The following formula will enable the new maximum permissible shear load to be calculated.

$$\text{New permissible shearload} = \text{Stated permissible shearload at rated uplift} \times \frac{\text{Preload} - \text{Actual uplift}}{\text{Preload} - \text{Recommended maximum working uplift}}$$

Example: For Type A-4881C when required Working Uplift is only 30,000 lb.,

Then,

$$\text{New permissible shearload} = 2,400 \text{ lb.} \times \frac{75,000 \text{ lb.} - 30,000 \text{ lb.}}{75,000 \text{ lb.} - 52,500 \text{ lb.}} = 4,800 \text{ lb.}$$

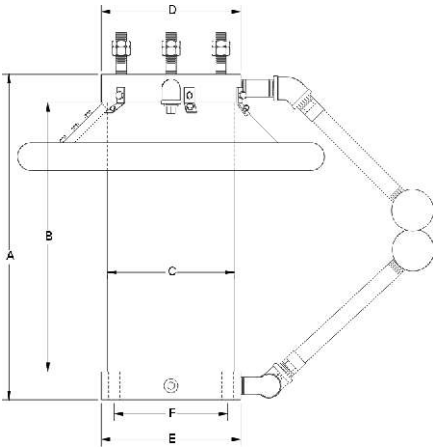
The 4,800 lb. represents the permissible shear load of this insulator when the uplift requirement is only 30,000 lb.

Note 3: The drip wet figures above are a minimum achieved with the insulator standing directly on the ground plane. Higher voltages can be expected with the insulator standing on a pier.

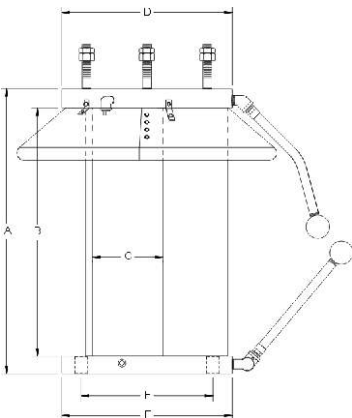
Note 4: All insulators can be fitted with a high voltage rainshield as an optional extra to improve the voltage rating of the base insulator.

AUSTIN BASE INSULATORS

TYPES: A-4950/C, A-4938/C, A-4881/C, A-4729/C, A-3167/C



Type	Dimensions						Mast Fixing (mm)	Insulator Mounting (mm)	Weight (kg)
	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)			
A-4950	23.5" (597)	20.25" (514)	4.625" (117) dia.	5.5" (140) dia.	5.5" (140) dia.		3 studs 3" (76) long 5/8"-11 (16) on 4" (102) BCD	3 studs 3" (76) long 5/8"-11 (16) on 4" (102) BCD	46 lb (21)
A-4950C	23.5" (597)	20.25" (514)	4.625" (117) dia.	5.5" (140) dia.	6" (152) square	4.625" (117)	3 studs 3" (76) long 5/8"-11 (16) on 4" (102) BCD	4 holes drilled 7/8" (22) square base	46 lb (21)
A-4938	23.25" (591)	19.25" (489)	9.125" (232) dia.	10" (254) dia.	10" (254) dia.		3 studs 3" (76) long 3/4"-16 (19) on 8.25" (210) BCD	3 studs 3" (76) long 3/4"-16 (19) on 8.25" (210) BCD	150 lb (68)
A-4938C	23.25" (591)	19.25" (489)	9.125" (232) dia.	10" (254) dia.	10" (254) square	8.13" (207)	3 studs 3" (76) long 3/4"-16 (19) on 8.25" (210) BCD	4 holes drilled 13/16" (21) square base	150 lb (68)
A-4881	36.75" (933)	32" (813)	9.375" (238) dia.	11.75" (298) dia.	11" (279) dia.		3 studs 3 1/2" (89) long 1"-14 (25) on 8" (203) BCD	3 studs 3 1/2" (89) long 1"-14 (25) on 8" (203) BCD	230 lb (104)
A-4881C	36.75" (933)	32" (813)	9.375" (238) dia.	11.75" (298) dia.	11" (279) square	8.25" (210)	3 studs 3 1/2" (89) long 1"-14 (25) on 8" (203) BCD	4 holes drilled 1 1/8" (29) square base	230 lb (104)
A-4729	37" (940)	32" (813)	10.25" (260) dia.	12" (305) dia.	12" (305) dia.		3 studs 4" (102) long 1 1/8"-12 (29) on 10" (254) BCD	3 studs 4" (102) long 1 1/8"-12 (29) on 10" (254) BCD	265 lb (120)
A-4729C	37" (940)	32" (813)	10.25" (260) dia.	12" (305) dia.	12" (305) square	9" (229)	3 studs 4" (102) long 1 1/8"-12 (29) on 10" (254) BCD	4 holes drilled 1 1/4" (32) square base	265 lb (120)
A-3167	37" (940)	32" (813)	11" (279) dia.	13.75" (349) dia.	13.75" (349) dia.		3 studs 6" (152) long 1 1/4"-12 (32) on 10" (254) BCD	3 studs 6" (152) long 1 1/4"-12 (32) on 10" (254) BCD	360 lb (163)
A-3167C	37" (940)	32" (813)	11" (279) dia.	13.75" (349) dia.	13.75" (349) square	10.6" (269)	3 studs 6" (152) long 1 1/4"-12 (32) on 10" (254) BCD	4 holes drilled 1 3/8" (35) square base	360 lb (163)

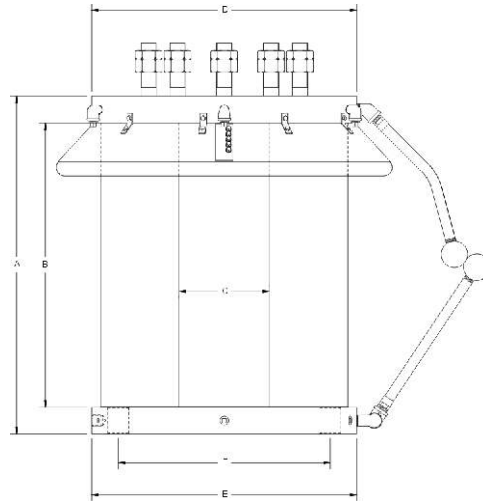


TYPES: A-2812, A-2812C

Type	Dimensions						Mast Fixing (mm)	Insulator Mounting (mm)	Weight (kg)
	T	A	C	E					
A-2812		36.75" (933)	32" (813)	9.375" (238) dia.	22" (559) dia.	22" (559) dia.	6 studs 5 3/4" (146) long 1 1/8"-12 (29) on 18" (457) BCD	6 studs 5 3/4" (146) long 1 1/8"-12 (29) on 18" (457) BCD	850 lb (386)
A-2812C		36.75" (933)	32" (813)	9.375" (238) dia.	22" (559) dia.	22" (559) square	6 studs 5 3/4" (146) long 1 1/8"-12 (29) on 18" (457) BCD	4 holes drilled 1 5/8" (41) square base	826 lb (375)

AUSTIN BASE INSULATORS

TYPES: A-2913/C, A-3782/C, A-4049/C



Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Mast Fixing (mm)	Insulator Mounting (mm)	Weight (kg)
A-2913	37" (940)	32" (813)	10.25" (260) dia.	24" (610) dia.	24" (610) dia.		6 studs 6" (152) long 1 1/4"-12 (32) on 19" (483) BCD	6 studs 6" (152) long 1 1/4"-12 (32) on 19" (483) BCD	1,040 lb (472)
A-2913C	37" (940)	32" (813)	10.25" (260) dia.	24" (610) dia.	24" (610) square	19" (483)	6 studs 6" (152) long 1 1/4"-12 (32) on 19" (483) BCD	4 holes drilled 2" (51) square base	1,130 lb (513)
A-3782	38" (965)	32" (813)	10.25" (260) dia.	30" (762) dia.	30" (762) dia.		5 studs 6" (152) long 1 3/4"-12 (44) on 18" (457) BCD	5 studs 6" (152) long 1 3/4"-12 (44) on 18" (457) BCD	1,900 lb (862)
A-3782C	38" (965)	32" (813)	10.25" (260) dia.	30" (762) dia.	30" (762) square	24" (610)	5 studs 6" (152) long 1 3/4"-12 (44) on 18" (457) BCD	4 holes drilled 2 3/8" (60) square base	1,950 lb (885)
A-4049	39" (991)	32" (813)	11" (279) dia.	38" (965) dia.	38" (965) dia.		6 studs 6" (152) long 2"-12 (51) on 24" (610) BCD	6 studs 6" (152) long 2"-12 (51) on 24" (610) BCD	2,600 lb (1,179)
A-4049C	39" (991)	32" (813)	11" (279) dia.	38" (965) dia.	38" (965) dia.		6 studs 6" (152) long 2"-12 (51) on 24" (610) BCD	6 holes drilled 2 5/8" (67) diameter on a 32 1/2" (826) PCD	2,600 lb (1,179)

HOW TO CHOOSE YOUR BASE INSULATOR

All Austin base insulators are designed for VLF, LF, and MF use and are conservatively rated.

First, select the unit that meets your requirements for maximum working down and shear value. Second, ensure that your peak RF operating voltage is safely below the drip wet withstand voltage on the table.

If you have a requirement for a base insulator which is not met by the products described in this brochure, or you wish us to recommend a suitable insulator, please contact us with as much information as you have available.

Mounting kits can be supplied as an optional extra to mount Austin Transformers between the top and bottom plates.

HEAD OFFICE AND PLANT:

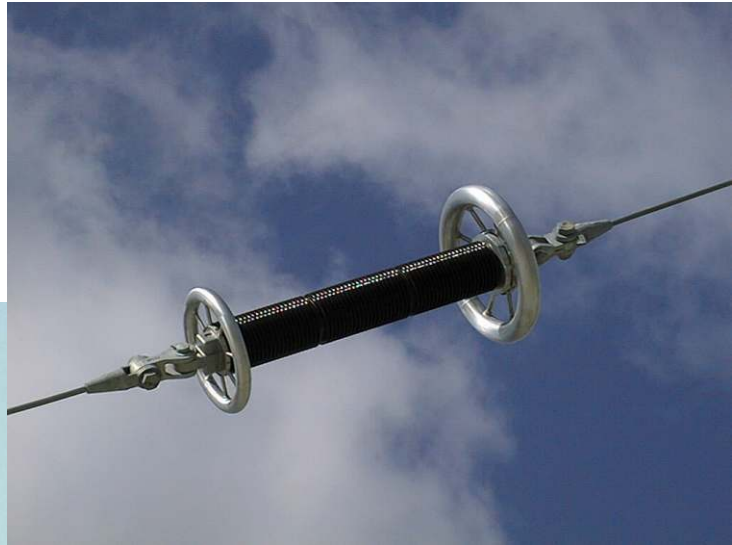
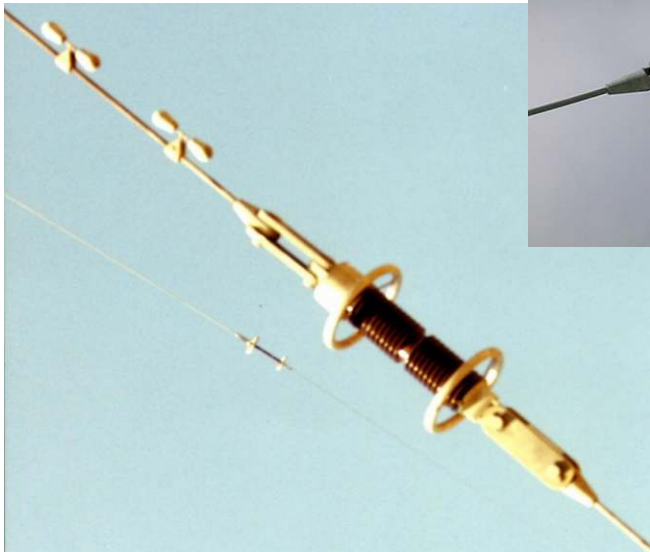
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Austin Insulators Inc.

Guy Insulators Oil-Filled Safety Core Series



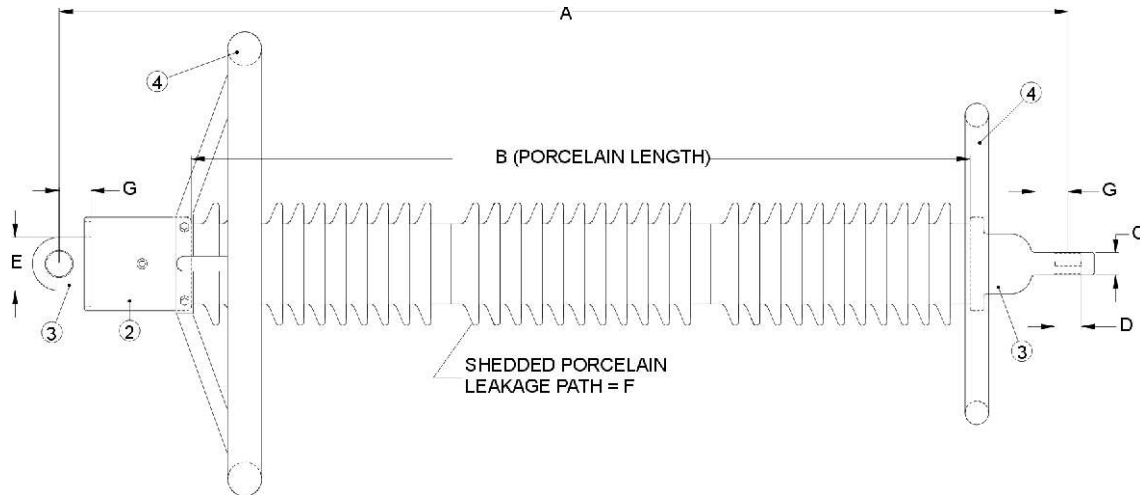
Austin's Oil-Filled Safety Core Guy Line Insulators incorporate the Austin Safety Core concept which consists of an endless wound fiberglass loop retained by internal pins within the external end fittings.

The Safety core Insulators shown in this brochure are suitable for use at RF voltages as specified, provided there are no unusual environmental conditions or stringent corona/noise requirements. Applications involving RF voltages above 100 kV rms can be accommodated by the Austin High Voltage Range which are suitable for use with voltages up to 120 kV rms. Special high voltage assemblies are also available for use with voltages in excess of 120 kV rms.

Please consult with us for additional product information, or for any special RF or 50/60 Hz application requirements.



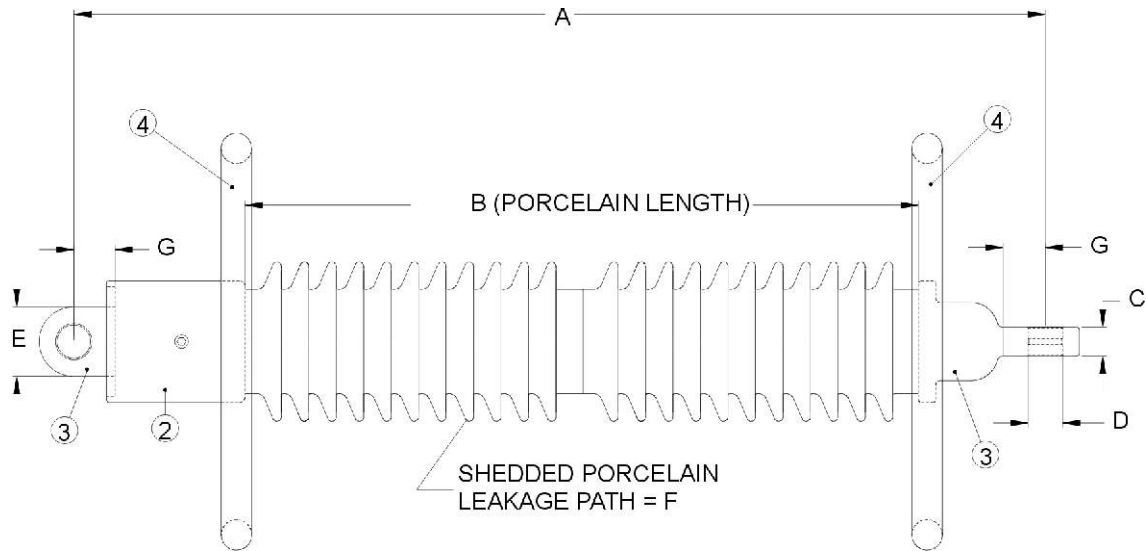
LONG SERIES



Type	Safe Working Load (kg) (1)	A (mm)	B (mm)	C		D dia.		E (mm)	F (mm)	G (mm)	Net Weight (kg)	Wind Area (m ²)	Nominal Voltage kV rms (5)
				nom. (mm)	max. (mm)	nom. (mm)	min. (mm)						
A-S2001L	3,400 lb (1,542 kg)	36 " (914 mm)	30 " (762 mm)	11/16" (17 mm)	(3)	5/8 " (16 mm)	N/A	1 1/4 " (32 mm)	57 " (1,448 mm)	1 " (25 mm)	18 lb (8 kg)	1/2 (0.05)	65
A-S3003L	6,000 lb (2,722 kg)	40 1/2 " (1,029 mm)	31 1/2 " (800 mm)	5/8 " (16 mm)	25/32" (20 mm)	13/16" (21 mm)	25/32" (20 mm)	2 1/8 " (54 mm)	60 " (1,524 mm)	1 3/8 " (35 mm)	41 lb (19 kg)	5/8 (0.06)	70
A-S4006L	10,500 lb (4,763 kg)	41 5/8 " (1,057 mm)	31 1/2 " (800 mm)	15/16" (24 mm)	1 1/16" (27 mm)	1 3/16" (30 mm)	1 5/32" (29 mm)	2 1/4 " (57 mm)	60 " (1,524 mm)	1 3/4 " (44 mm)	45 lb (20 kg)	3/4 (0.07)	70
A-S5008L	18,000 lb (8,165 kg)	56 1/4 " (1,429 mm)	43 1/2 " (1,105 mm)	1 1/4 " (32 mm)	1 3/8 " (35 mm)	1 7/16" (37 mm)	1 13/32" (36 mm)	3 " (76 mm)	96 " (2,438 mm)	1 3/4 " (44 mm)	110 lb (50 kg)	2 1/4 (0.21)	100
A-S6013L	28,000 lb (12,701 kg)	57 3/4 " (1,467 mm)	43 1/2 " (1,105 mm)	1 1/2 " (38 mm)	1 5/8 " (41 mm)	1 11/16" (2 mm)	1 21/32" (42 mm)	3 1/2 " (89 mm)	96 " (2,438 mm)	2 3/8 " (60 mm)	125 lb (57 kg)	2 1/2 (0.23)	100
A-S6018L	40,000 lb (18,144 kg)	60 3/8 " (1,534 mm)	43 1/2 " (1,105 mm)	1 7/8 " (48 mm)	2 " (51 mm)	2 1/16" (52 mm)	2 1/32" (52 mm)	4 " (102 mm)	96 " (2,438 mm)	3 5/8 " (92 mm)	140 lb (64 kg)	2 5/8 (0.24)	100
A-S8027L	60,000 lb (27,216 kg)	61 " (1,549 mm)	43 1/2 " (1,105 mm)	2 1/4 " (57 mm)	2 3/8 " (60 mm)	2 9/16" (65 mm)	2 17/32" (64 mm)	4 7/8 " (124 mm)	96 " (2,438 mm)	3 5/8 " (92 mm)	210 lb (95 kg)	3 1/4 (0.30)	100
A-S8040L	90,000 lb (40,823 kg)	63 3/8 " (1,610 mm)	43 1/2 " (1,105 mm)	2 1/2 " (64 mm)	2 5/8 " (67 mm)	2 13/16" (71 mm)	2 25/32" (71 mm)	5 1/2 " (140 mm)	96 " (2,438 mm)	4 1/4 " (108 mm)	275 lb (125 kg)	3 3/8 (0.31)	100
A-S8056L	125,000 lb (56,699 kg)	65 1/8 " (1,654 mm)	43 1/2 " (1,105 mm)	3 1/4 " (83 mm)	3 3/8 " (86 mm)	3 9/16" (90 mm)	3 17/32" (90 mm)	6 1/2 " (165 mm)	96 " (2,438 mm)	4 3/4 " (121 mm)	610 lb (277 kg)	4 1/4 (0.39)	100
A-S0078L	175,000 lb (79,379 kg)	66 3/8 " (1,686 mm)	43 1/2 " (1,105 mm)	3 3/4 " (95 mm)	3 29/32" (99 mm)	3 13/16" (97 mm)	3 25/32" (96 mm)	7 1/2 " (191 mm)	96 " (2,438 mm)	5 1/4 " (133 mm)	685 lb (311 kg)	4 3/4 (0.44)	100
A-S0100L	225,000 lb (102,058 kg)	71 5/8 " (1,819 mm)	43 1/2 " (1,105 mm)	4 1/4 " (108 mm)	4 7/16" (113 mm)	4 5/16" (110 mm)	4 9/32" (109 mm)	8 1/8 " (206 mm)	96 " (2,438 mm)	5 3/4 " (146 mm)	1,040 lb (472 kg)	5 7/8 (0.55)	100
A-S0123L	275,000 lb (124,738 kg)	72 3/4 " (1,848 mm)	43 1/2 " (1,105 mm)	5 " (127 mm)	5 3/16" (132 mm)	4 13/16" (122 mm)	4 25/32" (121 mm)	9 " (229 mm)	96 " (2,438 mm)	6 1/4 " (159 mm)	1,130 lb (513 kg)	7 1/8 (0.66)	100

- (1): Ultimate tensile strength is a minimum of 3 times the 'safe working load'.
- (2): Bell housing is cast aluminium.
- (3): End fittings are cast steel, hot-dip galvanized and are identical at both ends. Type A-S2001 is supplied with a clevis at each end. Dimension 'C' is the gap between the ears. (Minimum gap is 9/16" [14 mm])
- (4): Corona rings are aluminium. Stainless steel corona rings are available upon request. All ring dimensions are detailed on separate sheets.
- (5): Voltage ratings were determined in a test room and at 100 kHz. Performance in the field can be severely degraded by local environmental conditions. Please consult with us prior to selection.

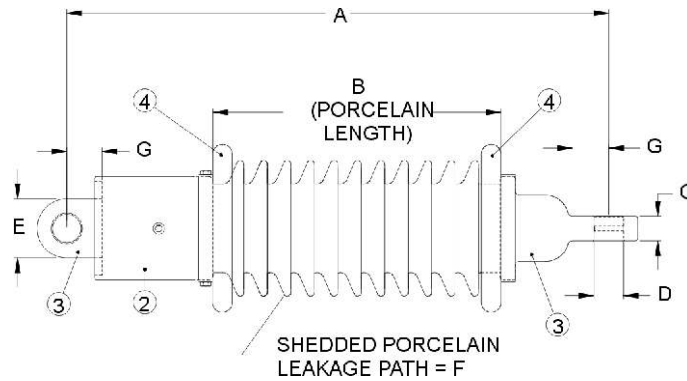
MEDIUM SERIES



Type	Safe Working Load (kg) (1)	A (mm)	B (mm)	C		D dia.		E (mm)	F (mm)	G (mm)	Net Weight (kg)	Wind Area (m ²)	Nominal Voltage kV rms (5)
				nom. (mm)	max. (mm)	nom. (mm)	min. (mm)						
A-S2001M	3,400 lb (1,542 kg)	26 " (660 mm)	20 " (508 mm)	11/16" (17 mm)	(3)	5/8 " (16 mm)	N/A	1 1/4 " (32 mm)	38 " (965 mm)	1 " (25 mm)	13 lb (6 kg)	3/8 (0.03)	50
A-S3003M	6,000 lb (2,722 kg)	30 " (762 mm)	21 " (533 mm)	5/8 " (16 mm)	25/32" (20 mm)	13/16" (21 mm)	25/32" (20 mm)	2 1/8 " (54 mm)	40 " (1,016 mm)	1 3/8 " (35 mm)	30 lb (14 kg)	1/2 (0.05)	55
A-S4006M	10,500 lb (4,763 kg)	31 1/8 " (791 mm)	21 " (533 mm)	15/16" (24 mm)	1 1/16" (27 mm)	1 3/16" (30 mm)	1 5/32" (29 mm)	2 1/4 " (57 mm)	40 " (1,016 mm)	1 3/4 " (44 mm)	35 lb (16 kg)	5/8 (0.06)	55
A-S5008M	18,000 lb (8,165 kg)	41 3/4 " (1,060 mm)	29 " (737 mm)	1 1/4 " (32 mm)	1 3/8 " (35 mm)	1 7/16" (37 mm)	1 13/32" (36 mm)	3 " (76 mm)	64 " (1,626 mm)	1 3/4 " (44 mm)	80 lb (36 kg)	1 3/4 (0.16)	75
A-S6013M	28,000 lb (12,701 kg)	43 1/4 " (1,099 mm)	29 " (737 mm)	1 1/2 " (38 mm)	1 5/8 " (41 mm)	1 11/16" (2 mm)	1 21/32" (42 mm)	3 1/2 " (89 mm)	64 " (1,626 mm)	2 3/8 " (60 mm)	100 lb (45 kg)	2 (0.19)	75
A-S6018M	40,000 lb (18,144 kg)	45 7/8 " (1,165 mm)	29 " (737 mm)	1 7/8 " (48 mm)	2 " (51 mm)	2 1/16" (52 mm)	2 1/32" (52 mm)	4 " (102 mm)	64 " (1,626 mm)	3 5/8 " (92 mm)	115 lb (52 kg)	2 1/8 (0.20)	75
A-S8027M	60,000 lb (27,216 kg)	46 1/2 " (1,181 mm)	29 " (737 mm)	2 1/4 " (57 mm)	2 3/8 " (60 mm)	2 9/16" (65 mm)	2 17/32" (64 mm)	4 7/8 " (124 mm)	64 " (1,626 mm)	3 5/8 " (92 mm)	170 lb (77 kg)	2 1/2 (0.23)	75
A-S8040M	90,000 lb (40,823 kg)	48 7/8 " (1,241 mm)	29 " (737 mm)	2 1/2 " (64 mm)	2 5/8 " (67 mm)	2 13/16" (71 mm)	2 25/32" (71 mm)	5 1/2 " (140 mm)	64 " (1,626 mm)	4 1/4 " (108 mm)	230 lb (104 kg)	2 5/8 (0.24)	75
A-S8056M	125,000 lb (56,699 kg)	50 5/8 " (1,286 mm)	29 " (737 mm)	3 1/4 " (83 mm)	3 3/8 " (86 mm)	3 9/16" (90 mm)	3 17/32" (90 mm)	6 1/2 " (165 mm)	64 " (1,626 mm)	4 3/4 " (121 mm)	500 lb (227 kg)	3 3/8 (0.31)	75
A-S0078M	175,000 lb (79,379 kg)	51 7/8 " (1,318 mm)	29 " (737 mm)	3 3/4 " (95 mm)	3 29/32" (99 mm)	3 13/16" (97 mm)	3 25/32" (96 mm)	7 1/2 " (191 mm)	64 " (1,626 mm)	5 1/4 " (133 mm)	570 lb (259 kg)	3 7/8 (0.36)	75
A-S0100M	225,000 lb (102,058 kg)	57 1/8 " (1,451 mm)	29 " (737 mm)	4 1/4 " (108 mm)	4 7/16" (113 mm)	4 5/16" (110 mm)	4 9/32" (109 mm)	8 1/8 " (206 mm)	64 " (1,626 mm)	5 3/4 " (146 mm)	890 lb (404 kg)	4 3/4 (0.44)	75
A-S0123M	275,000 lb (124,738 kg)	58 1/4 " (1,480 mm)	29 " (737 mm)	5 " (127 mm)	5 3/16" (132 mm)	4 13/16" (122 mm)	4 25/32" (121 mm)	9 " (229 mm)	64 " (1,626 mm)	6 1/4 " (159 mm)	990 lb (449 kg)	5 7/8 (0.55)	75

- (1): Ultimate tensile strength is a minimum of 3 times the 'safe working load'.
- (2): Bell housing is cast aluminium.
- (3): End fittings are cast steel, hot-dip galvanized and are identical at both ends. Type A-S2001 is supplied with a clevis at each end. Dimension 'C' is the gap between the ears. (Minimum gap is 9/16" [14 mm])
- (4): Corona rings are aluminium. Stainless steel corona rings are available upon request. All ring dimensions are detailed on separate sheets.
- (5): Voltage ratings were determined in a test room and at 100 kHz. Performance in the field can be severely degraded by local environmental conditions. Please consult with us prior to selection.

SHORT SERIES



Type	Safe Working Load (kg) (1)	A (mm)	B (mm)	C		D dia.		E (mm)	F (mm)	G (mm)	Net Weight (kg)	Wind Area (m2)	Nominal Voltage kV rms (5)
				nom. (mm)	max. (mm)	nom. (mm)	min. (mm)						
A-S2001S	3,400 lb (1,542 kg)	16 "	10 "	11/16"	(3)	5/8 "	N/A	1 1/4 "	19 "	1 "	8 lb (4 kg)	1/4 (0.02)	35
A-S3003S	6,000 lb (2,722 kg)	19 1/2 "	10 1/2 "	5/8 "	25/32"	13/16"	25/32"	2 1/8 "	20 "	1 3/8 "	19 lb (9 kg)	3/8 (0.03)	40
A-S4006S	10,500 lb (4,763 kg)	20 5/8 "	10 1/2 "	15/16"	1 1/16"	1 3/16"	1 5/32"	2 1/4 "	20 "	1 3/4 "	25 lb (11 kg)	3/8 (0.03)	40
A-S5008S	18,000 lb (8,165 kg)	27 1/4 "	14 1/2 "	1 1/4 "	1 3/8 "	1 7/16"	1 13/32"	3 "	32 "	1 3/4 "	55 lb (25 kg)	7/8 (0.08)	50
A-S6013S	28,000 lb (12,701 kg)	28 3/4 "	14 1/2 "	1 1/2 "	1 5/8 "	1 11/16"	1 21/32"	3 1/2 "	32 "	2 3/8 "	72 lb (33 kg)	1 1/8 (0.10)	50
A-S6018S	40,000 lb (18,144 kg)	31 3/8 "	14 1/2 "	1 7/8 "	2 "	2 1/16"	2 1/32"	4 "	32 "	3 5/8 "	88 lb (40 kg)	1 1/4 (0.12)	50
A-S8027S	60,000 lb (27,216 kg)	32 "	14 1/2 "	2 1/4 "	2 3/8 "	2 9/16"	2 17/32"	4 7/8 "	32 "	3 5/8 "	130 lb (59 kg)	1 1/2 (0.14)	50
A-S8040S	90,000 lb (40,823 kg)	34 3/8 "	14 1/2 "	2 1/2 "	2 5/8 "	2 13/16"	2 25/32"	5 1/2 "	32 "	4 1/4 "	190 lb (86 kg)	1 5/8 (0.15)	50
A-S8056S	125,000 lb (56,699 kg)	36 1/8 "	14 1/2 "	3 1/4 "	3 3/8 "	3 9/16"	3 17/32"	6 1/2 "	32 "	4 3/4 "	385 lb (175 kg)	2 1/4 (0.21)	50
A-S0078S	175,000 lb (79,379 kg)	37 3/8 "	14 1/2 "	3 3/4 "	3 29/32"	3 13/16"	3 25/32"	7 1/2 "	32 "	5 1/4 "	460 lb (209 kg)	2 3/4 (0.26)	50
A-S0100S	225,000 lb (102,058 kg)	42 5/8 "	14 1/2 "	4 1/4 "	4 7/16"	4 5/16"	4 9/32"	8 1/8 "	32 "	5 3/4 "	750 lb (340 kg)	3 1/8 (0.29)	50
A-S0123S	275,000 lb (124,738 kg)	43 3/4 "	14 1/2 "	5 "	5 3/16"	4 13/16"	4 25/32"	9 "	32 "	6 1/4 "	850 lb (386 kg)	3 5/8 (0.34)	50

- (1): Ultimate tensile strength is a minimum of 3 times the 'safe working load'.
- (2): Bell housing is cast aluminium.
- (3): End fittings are cast steel, hot-dip galvanized and are identical at both ends. Type A-S2001 is supplied with a clevis at each end. Dimension 'C' is the gap between the ears. (Minimum gap is 9/16" [14 mm])
- (4): Corona rings are aluminium. Stainless steel corona rings are available upon request. All ring dimensions are detailed on separate sheets.
- (5): Voltage ratings were determined in a test room and at 100 kHz. Performance in the field can be severely degraded by local environmental conditions. Please consult with us prior to selection.

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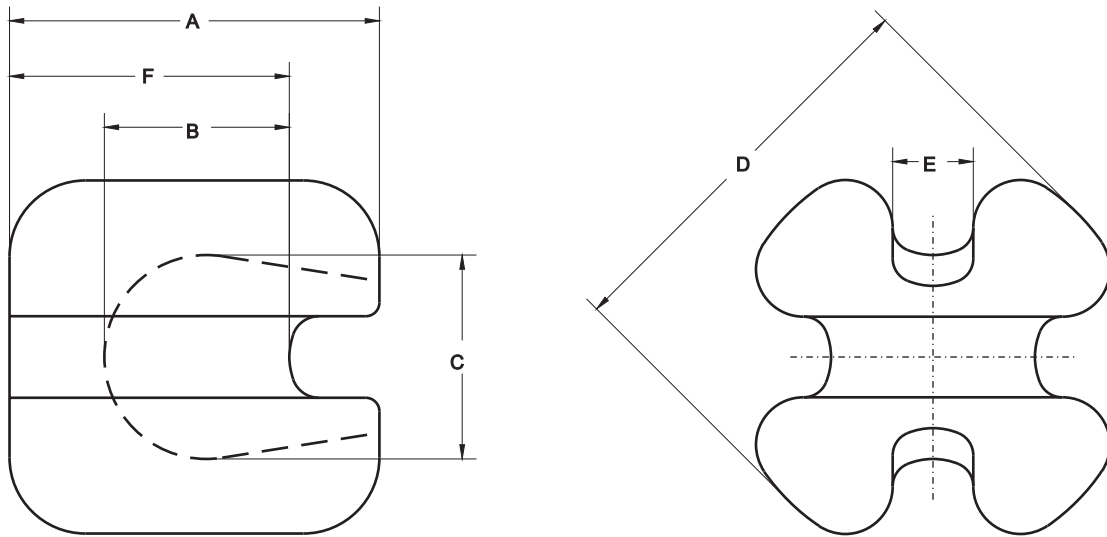
Austin Insulators Inc.

Guy Strain Insulators Open End Type



- For noncritical applications such as breaking up guy wires to minimize re-radiation effects.
- Egg Insulators (Johnny Balls) are not recommended for primary guy insulation in positions next to the radiator where the full voltage is applied.
- Manufactured of high quality wet process electrical grade porcelain. Standard finish is vitreous glaze (brown).

	AOA 20	AOA 35	AOA 50	AOA 65	AOA 85	AOA 120
Recommended Maximum Working Load	6,500 lb. (2,948 kg)	11,500 lb. (5,216 kg)	16,500 lb. (7,484 kg)	21,500 lb. (9,752 kg)	28,000 lb. (12,701 kg)	40,000 lb. (18,144 kg)
Maximum Cable Size	3/8 (9.5 mm)	5/8 (15.9 mm)	3/4 (19.1 mm)	7/8 (22.2 mm)	1 (25.4 mm)	1 1/8 (28.6 mm)



ELECTRICAL CHARACTERISTICS

	AOA 20	AOA 35	AOA 50	AOA 65	AOA 85	AOA 120
60 Hz Dry Flashover Voltage [kV]	13	20	21	22	29	30
60 Hz Wet Flashover Voltage [kV]	8	9	11	13	15	19
Recommended Max. RF Working Voltage [kV rms]	1	2	2.5	3	4	5.5

Note: The 60 Hertz flashover voltages given above are provided for comparison purposes only and cannot be used to determine permissible RF operating voltages, which are very dependent on the type of connection between the guy line and the 'Egg Insulator' or 'Johnny Ball' and local static and environmental conditions. Please consult with us when antenna systems of 50 kW and greater are involved or whenever doubts exist regarding the suitability of the insulators for the intended application.

If insulators are assembled in strings (groups) to increase the overall voltage, it should be noted that the total applied voltage is seldom evenly distributed along the string.

DIMENSIONS

	AOA 20	AOA 35	AOA 50	AOA 65	AOA 85	AOA 120
A	3 5/16" (84.1 mm)	4 5/16" (109.5 mm)	4 7/8 " (123.8 mm)	5 1/2 " (139.7 mm)	6 1/8 " (155.6 mm)	6 7/8 " (174.6 mm)
B	1 13/16" (46.0 mm)	2 1/8 " (54.0 mm)	2 7/16" (61.9 mm)	2 11/16" (68.3 mm)	3 " (76.2 mm)	3 3/8 " (85.7 mm)
C	1 3/4 " (44.5 mm)	2 7/16" (61.9 mm)	2 11/16" (68.3 mm)	3 " (76.2 mm)	4 3/16" (106.4 mm)	4 9/16" (115.9 mm)
D	3 9/16" (90.5 mm)	4 11/16" (119.1 mm)	5 3/8 " (136.5 mm)	6 7/16" (163.5 mm)	7 1/2 " (190.5 mm)	8 1/2 " (215.9 mm)
E	9/16" (14.3 mm)	7/8 " (22.2 mm)	1 1/16" (27.0 mm)	1 1/4 " (31.8 mm)	1 1/2 " (38.1 mm)	1 5/8 " (41.3 mm)
F	2 9/16" (65.1 mm)	3 1/4 " (82.6 mm)	3 11/16" (93.7 mm)	4 1/8 " (104.8 mm)	4 9/16" (115.9 mm)	5 1/8 " (130.2 mm)
Net wgt. per 100pcs	173 lb. (78 kg)	337 lb. (153 kg)	500 lb. (227 kg)	805 lb. (365 kg)	1,210 lb. (549 kg)	1,890 lb. (857 kg)

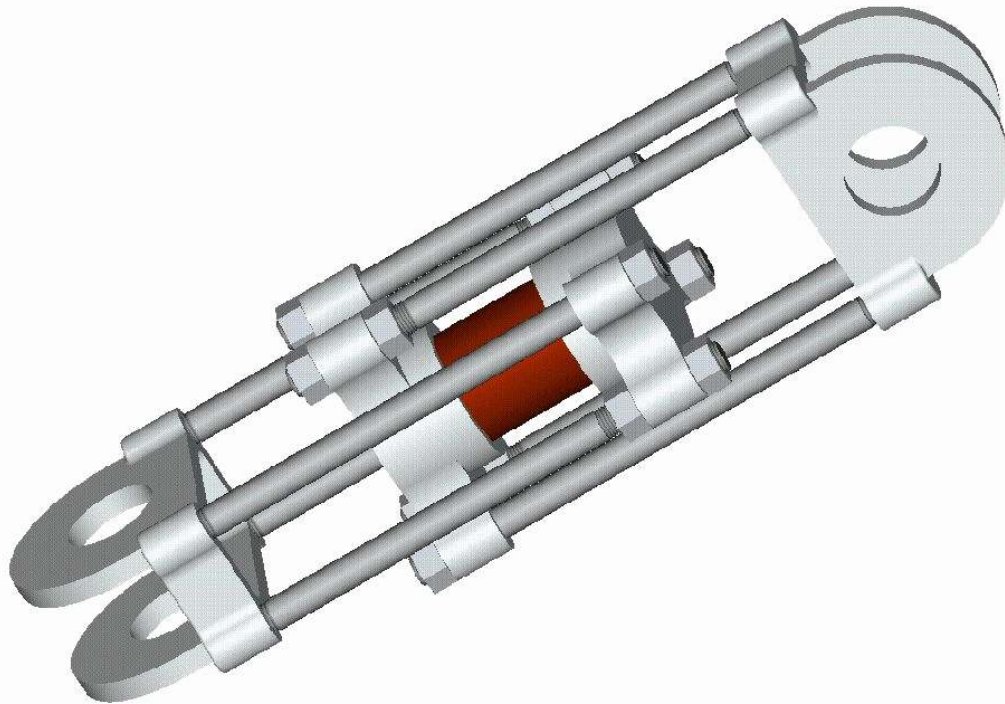
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DEALER:

Austin Insulators Inc.

Guy Insulators Fail-Safe Breakup Series



Fail-Safe Breakup Series

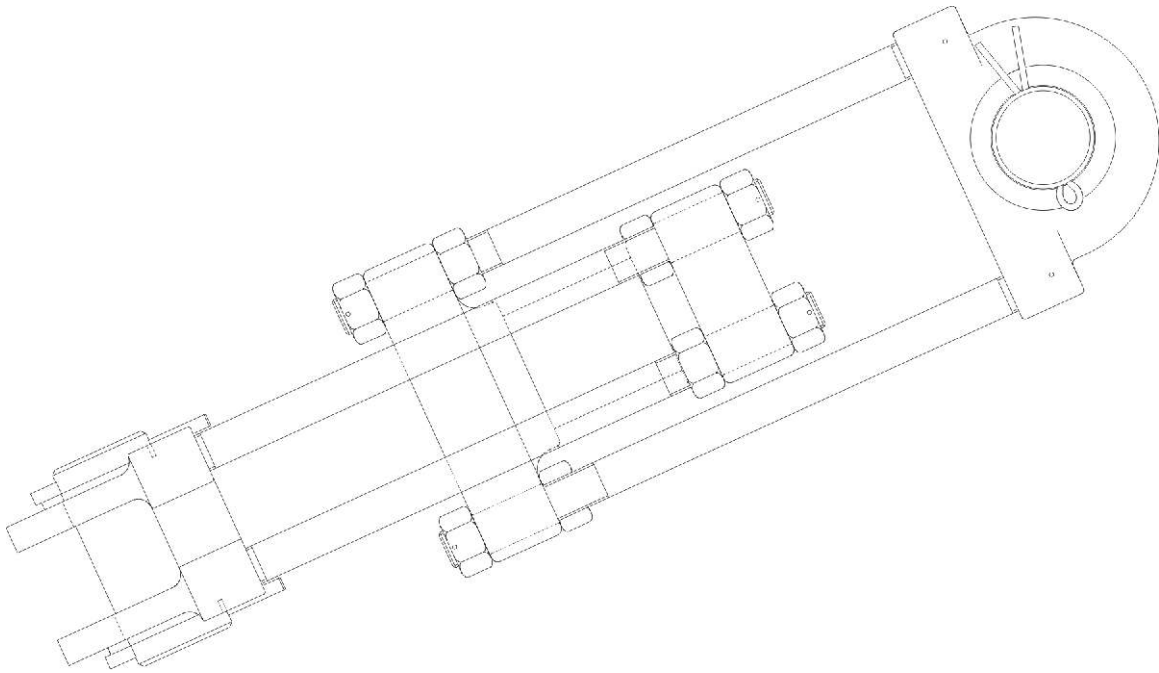
Austin's "Break-Up" guy insulators are designed for applications where the mechanical working loads exceed the capability of an egg, or similar low voltage "Fail-Safe" insulator.

This series of guy insulator use electrical grade porcelain for VLF, LF, and MF.

Standard units are supplied with smooth porcelain. Sheded porcelain can be provided for special applications where maximum surface leakage path is required.

Not recommended for primary insulation at the mast or tower - use Austin's Safety Core oil-filled series of insulators.





Type	C-018 ¹		C-027		C-040		C-056		C-078		C-100		C-123	
Max. Working Load ²	40,000 lb. (18,144 kg)		60,000 lb. (27,216 kg)		90,000 lb. (40,823 kg)		125,000 lb. (56,699 kg)		175,000 lb. (79,379 kg)		225,000 lb. (102,058 kg)		275,000 lb. (124,738 kg)	
Pin-to-Pin Length	27 1/2" (699 mm)		27 " (686 mm)		29 " (737 mm)		32 " (813 mm)		36 1/2" (927 mm)		39 1/2" (1,003 mm)		43 " (1,092 mm)	
Pin Diameter	1 5/8" (41 mm)	2 " (51 mm)	2 1/4" (57 mm)	2 1/2" (64 mm)	2 3/4" (70 mm)	3 " (76 mm)	3 1/2" (89 mm)	3 3/4" (95 mm)	4 " (102 mm)	4 1/4" (108 mm)	4 1/2" (114 mm)	4 3/4" (121 mm)	5 " (127 mm)	
Clearance Between Clevis Faces $\pm 3/32"$ (2.5 mm)	1 3/4 " (44 mm)		2 1/2 " (64 mm)		2 13/16" (71 mm)		3 5/8 " (92 mm)		4 3/16" (106 mm)		4 5/8 " (117 mm)		5 1/8 " (130 mm)	
Wind Load Area	3/4 sq.ft. (0.07 m ²)		1 sq.ft. (0.09 m ²)		1 1/4 sq.ft. (0.12 m ²)		1 3/4 sq.ft. (0.16 m ²)		2 1/2 sq.ft. (0.23 m ²)		2 3/4 sq.ft. (0.26 m ²)		3 1/8 sq.ft. (0.29 m ²)	
Weight	65 lb. (29 kg)		95 lb. (43 kg)		152 lb. (69 kg)		218 lb. (99 kg)		370 lb. (168 kg)		525 lb. (238 kg)		610 lb. (277 kg)	

- (1): C-018 has an eye at each end that mates to an open spelter socket. All other types mate to closed spelter sockets.
- (2): Bridge strand sizes are for reference only. Do not exceed maximum working load of insulator. Consult plant for more information.
- (3): Ultimate strength is 3 times the maximum working load.
- (4): Consult plant for recommended spelter socket, or regarding additional size information.
- (5): 60 Hz Wet Flashover Voltage: 25 kV rms Recommended Maximum RF Working Voltage: 12 kV rms

HEAD OFFICE AND PLANT:

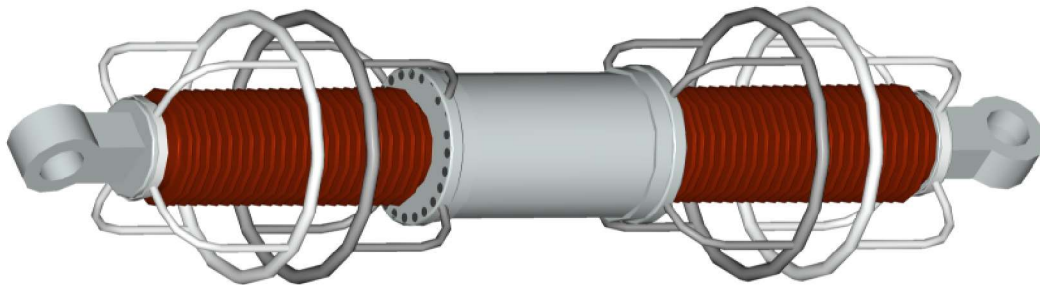
Austin Insulators Inc.
 7510 Airport Road
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 fax: (905) 405-1150
 e-mail: sales@austin-insulators.com

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Austin Insulators Inc.

Guy Insulators High Voltage Fail-Safe Series



Insulator Type	Maximum Recommended Working Load
CH-006/S	10,500 lb (4,763 kg)
CH-008/S	18,000 lb (8,165 kg)
CH-013/S	28,000 lb (12,701 kg)
CH-018/S	40,000 lb (18,144 kg)
CH-027/S	60,000 lb (27,216 kg)

Insulator Type	Maximum Recommended Working Load
CH-040/S	90,000 lb (40,823 kg)
CH-056/S	125,000 lb (56,699 kg)
CH-078/S	175,000 lb (79,379 kg)
CH-100/S	225,000 lb (102,058 kg)
CH-123/S	275,000 lb (124,738 kg)

Two electrical sizes are available with recommended maximum RF wet working voltages of 75 and 40 kV rms, respectively.

Maximum recommended working loads are based on a minimum factor of safety of 3:1.

Insulator type is applicable where high voltage fail safe design is specified.

Failure of the inner ceramic load bearing element allows the engagement of the internal metal fittings and maintains the mechanical integrity of the guy line.

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Austin Insulators Inc.

Ceramic Rod Insulators



TYPE: AOA1-A



TYPE: AOA1-C

Porcelain for VLF, LF, and Medium Frequency.

Alumina or Steatite for High Frequency.

Recommended maximum working load is 4,000 lbs. (1,814 kg).

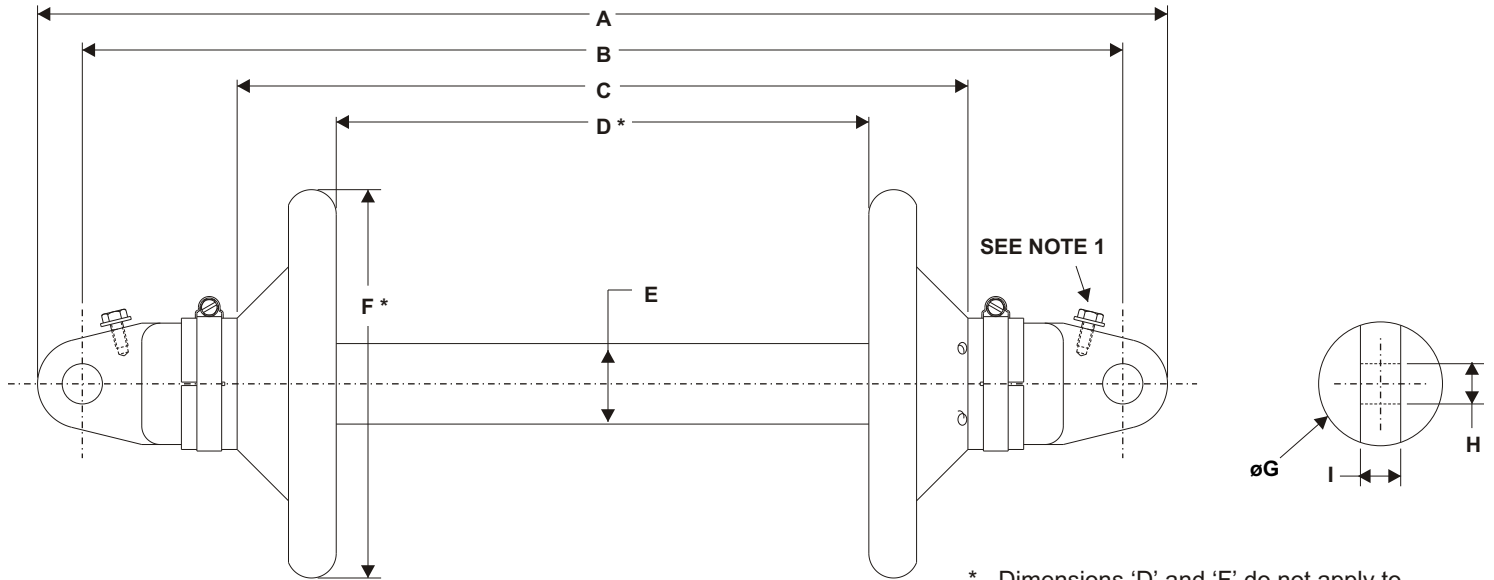
Aluminium end fittings, rainshield and voltage controls.

Not intended for use in structural load applications.

Each insulator is proof tested at 5,000 lbs. (2,267 kg).

Ultimate strength is 9,000 lbs. (4,082 kg).

DIMENSIONS



* - Dimensions 'D' and 'F' do not apply to ceramic rod insulator type AOA1-A.

Note 1: 1/4" bonding screws, washer and lock washers are supplied.

Weight: 5 1/2 lbs. (2.5 kg)

	A	B	C	D	E	F	G	H	I
AOA1-C	22 1/2 " (571.5 mm)	21 " (533.4 mm)	14 9/16" (369.9 mm)	10 3/4 " (273.1 mm)	1 1/2 " dia. (38.1 mm)	6 1/2 " dia. (165.1 mm)	2 1/2 " dia. (63.5 mm)	13/16" dia. (20.6 mm)	13/16" max. (20.6 mm)

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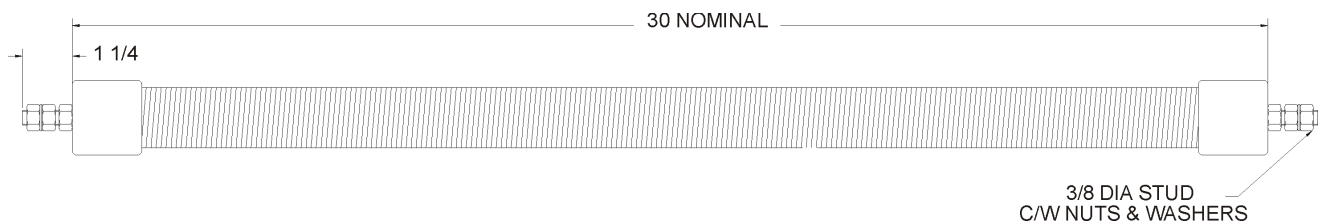
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Austin Insulators Inc.

Static Drain Choke Type: SP-010 Hanger Bypass Type



SP-010 Hanger Type Shown

Austin Insulators static drain chokes are designed to eliminate flash-overs on low voltage egg type break up insulators due to a build up of static charge.

Large static potentials are developed across break up insulators during conditions of blowing snow, blowing dust, high dry winds and lightning discharges close to the antenna system. In the absence of static drain devices across the break-up insulators, the combination of peak RF voltage and the static charge can exceed the insulator breakdown voltage. Although highly dependent on antenna configuration and the local RF field, a power arc condition initiated by the static charge can be sustained by the transmitter. Such a condition rapidly heats the supporting guy wire loops causing failure of the guy wire and/or the insulator.

Although static drain devices offer a solution to potential power arc problems a better solution yet is the use of an oil filled safety core insulator instead of an egg insulator. This will eliminate the need for a static drain device due to the high stand-off voltage values of these insulators. Oil filled safety core insulators can be a cost effective solution in place of static drain devices for low tensile guy loads up to 10,000 lbs.

Specifications:

Impedence @ 1 Mhz: 19,000 ohms.

Weight: 7.5 lbs. (3.4 kg)

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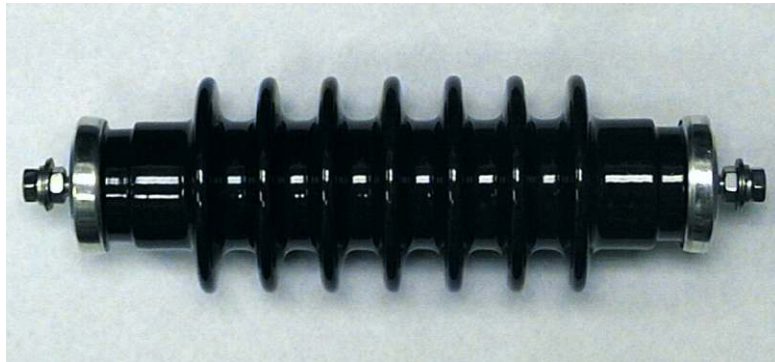
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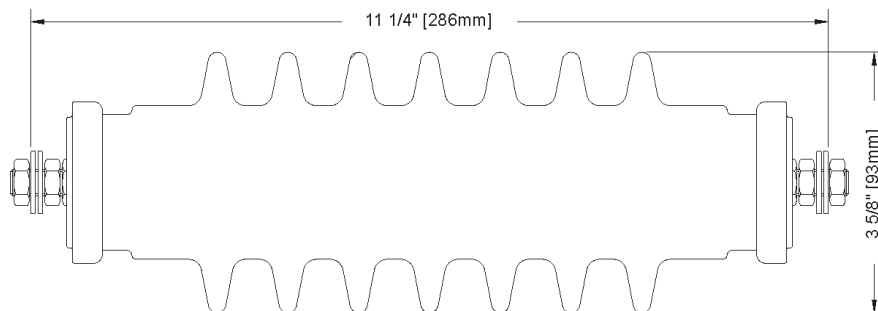
Static Drain Resistor Type: SP-003C



SP-003C Static Drain Resistor

Austin Insulators Static Drain Resistors have been specifically designed to eliminate arc-overs on guy break-up insulators in circumstances where large static potentials are developed during blowing snow, blowing dust, and similar environmental conditions. Voltage breakdown of an insulator may result when the peak voltage, static charge plus RF, exceeds the insulator breakdown strength.

It is desirable to use a drain resistor, which imposes negligible RF loss in absence of a static charge; but which decreases resistance rapidly when a static charge significantly raises the voltage stress across the insulator. For example, if the break-up insulator is expected to have a peak RF operating voltage of 4 kV, the resistance offered to this peak voltage would then be in the order of 1.8 Mohms. The rapidly falling resistance versus voltage characteristic will ensure that no excessive static charge can build up across the insulator. It is assumed that the break-up insulator has a maximum voltage capability only a few kV above the peak RF operating voltage.



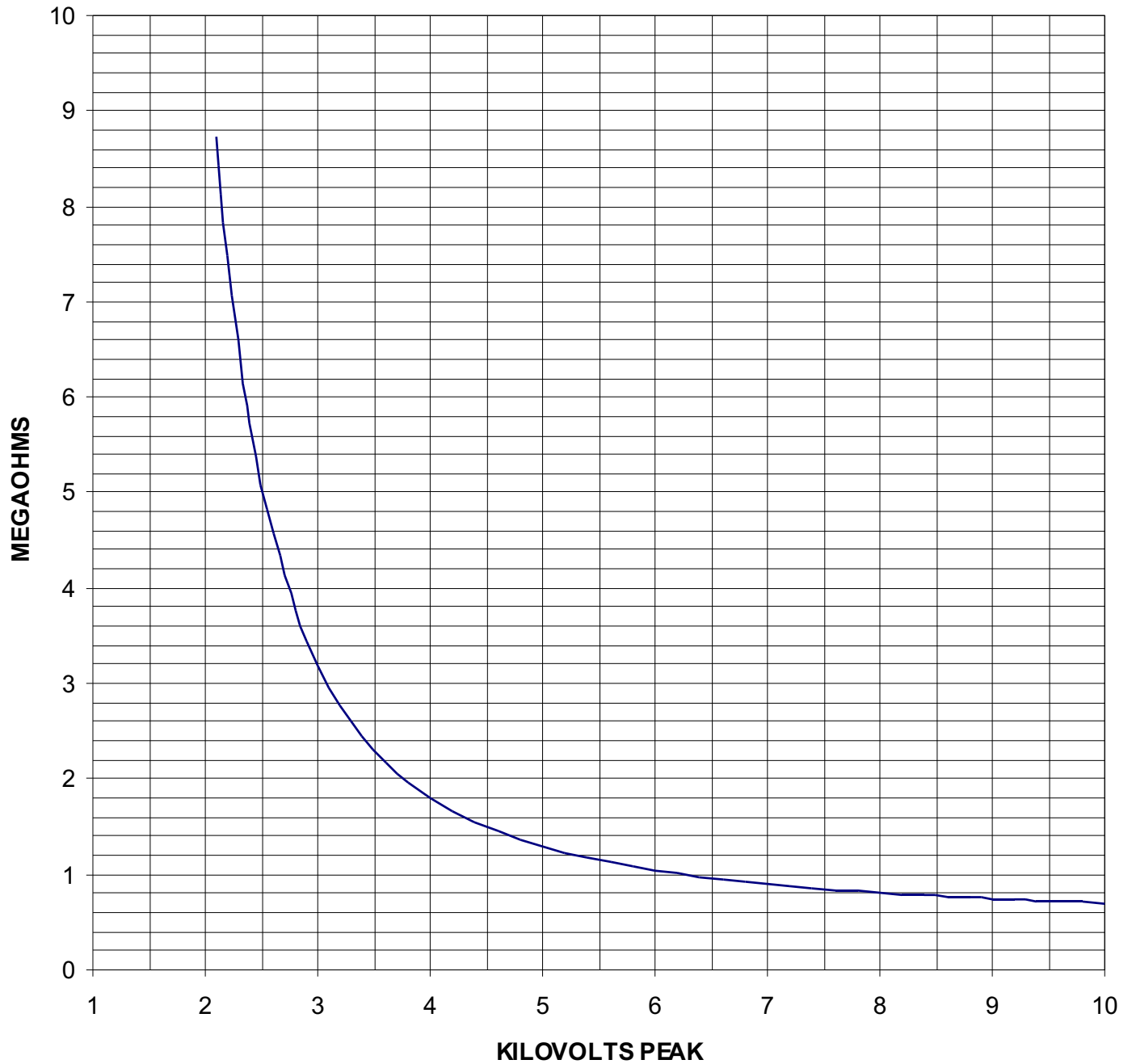
Mounting Hardware Brass, Nickel Plated 3/8" (9.5 mm) 16 tpi nuts and washers are supplied.

Finish: Brown Glaze

Weight: 4 ½ lb. (2 kg)

AUSTIN STATIC DRAIN RESISTOR

SP-003



NOTE: POWER DISSIPATION AT VOLTAGES HIGHER THAN 8.1 kV PEAK MAY BE EXCESSIVE

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Austin Insulators Inc.

Oil-Filled Transformer



A-9600 Series

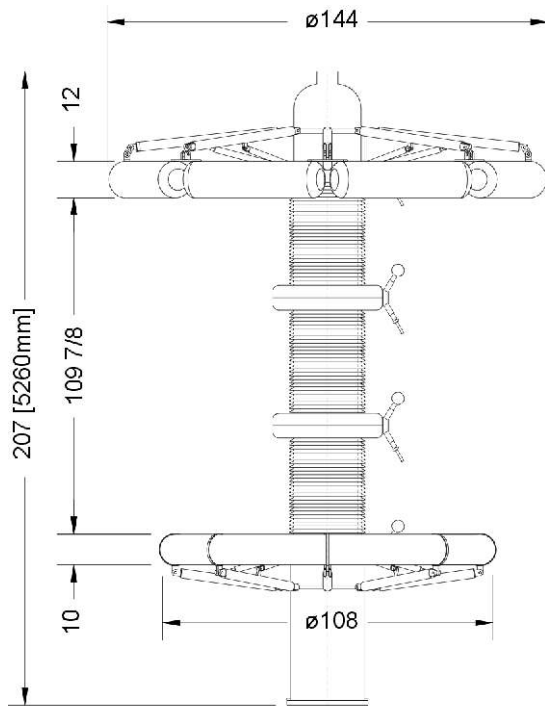
Oil-Filled Transformer (A-9600 Series)

The A-9600 Oil-Filled Transformer is available in three basic configurations: Single, Double, or Triple Tier. Selection is based on the anticipated working RF voltage and the local environmental conditions.

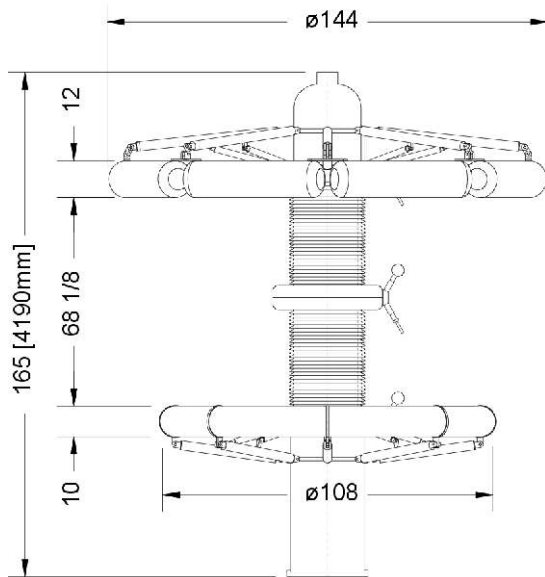
Standard power rating for this series of transformers is 10.5 kVA. Other power ratings available upon request. Some models are equipped with electronic regulation systems. Various electrical grading configurations are also available.

Model	Power Rating	Max. RF Operating Voltage rms	Height	Base Mounting	Weight
A-9600A	10.5 kVA	125	55 1/4" (1,403 mm)	self supporting	1,350 lb. (612 kg)
A-9600B	10.5 kVA	175	165 " (4,191 mm)	4 holes - ϕ 1 1/4 [32 mm] on a 22 [559 mm] x 22 [559 mm] square base plate	4,400 lb. (1,996 kg)
A-9600C	10.5 kVA	250	207 " (5,258 mm)	4 holes - ϕ 1 1/4 [32 mm] on a 22 [559 mm] x 22 [559 mm] square base plate	6,500 lb. (2,948 kg)

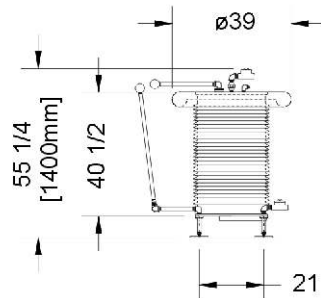




**TYPICAL A-9600C
CONFIGURATION**



**TYPICAL A-9600B
CONFIGURATION**



**TYPICAL A-9600A
CONFIGURATION**

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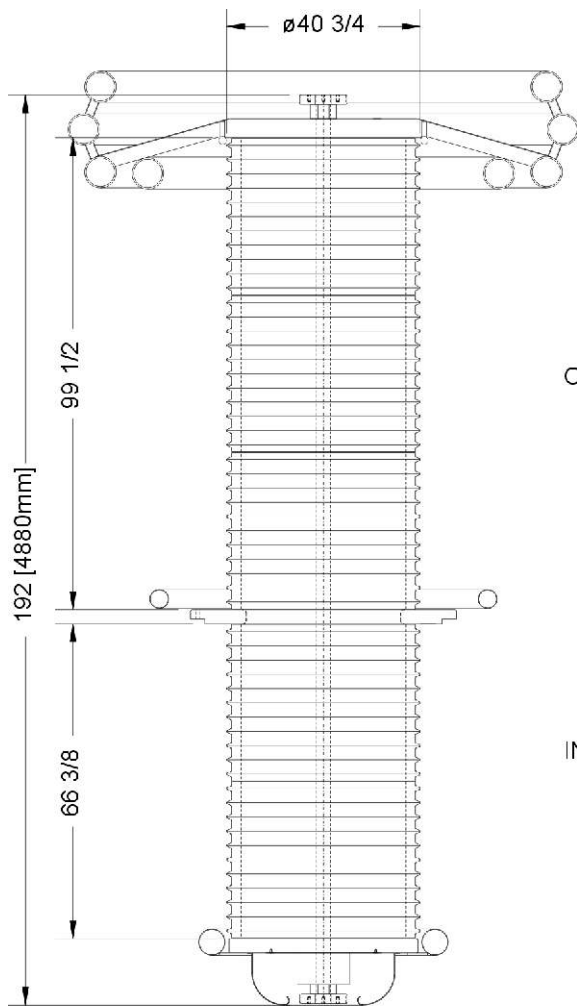
Austin Insulators Inc.

Feed-Through Busing Insulator



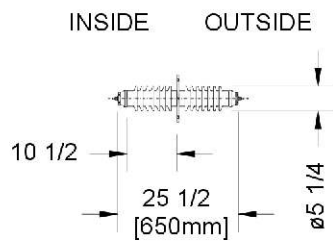
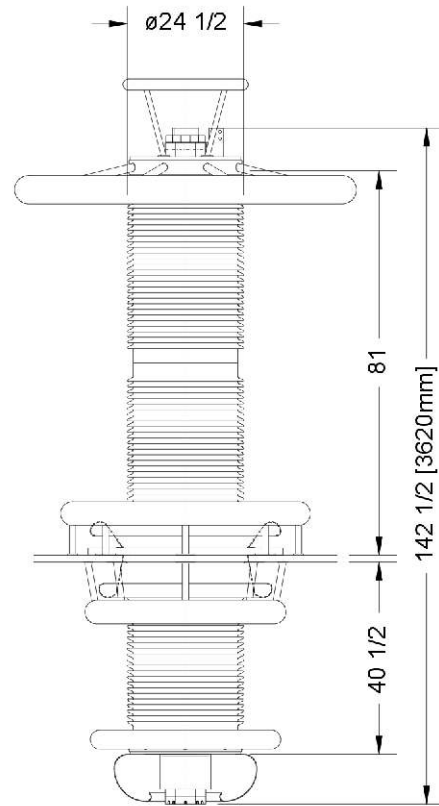
Feed-Through Bushing Insulator

RF Bushing Insulators are available in various sizes with operating RF voltages from 5 kV to 200 kV rms. Custom designs to replace existing bushings can be supplied. Gas, air, or oil filled options are available.

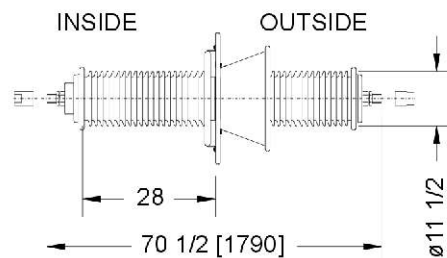


OUTSIDE

INSIDE



**TYPICAL 10 kV RMS
FEED-THROUGH BUSHING**



**TYPICAL 50 kV RMS
FEED-THROUGH BUSHING**

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