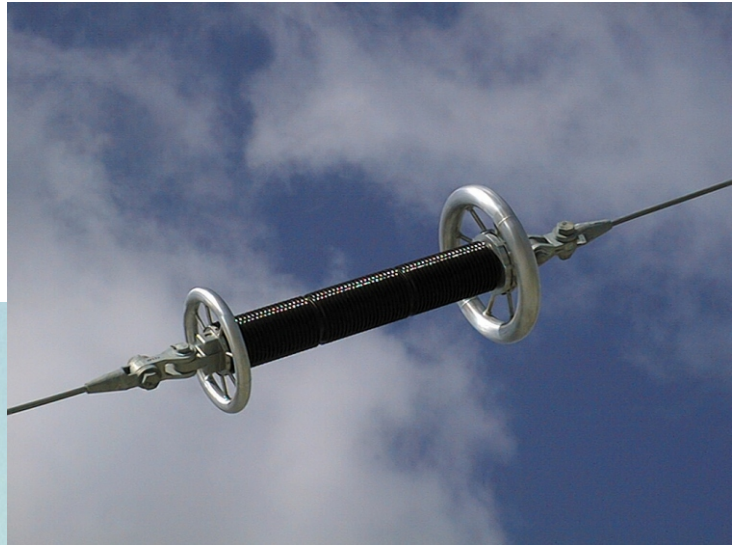
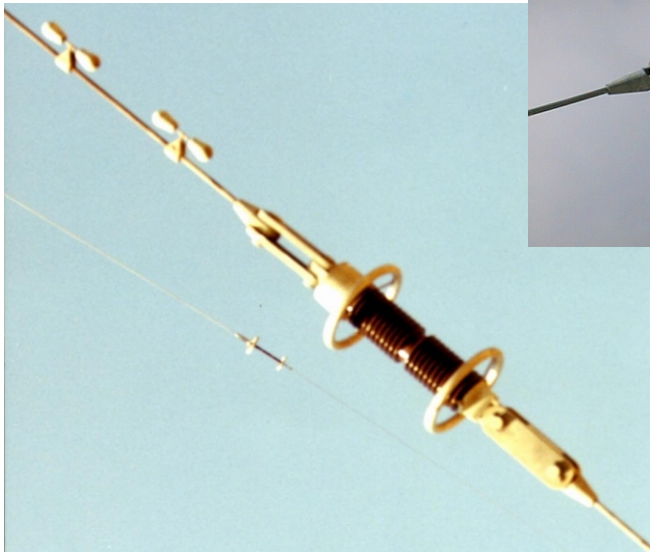


# Austin Insulators Inc.

## Guy Insulators Oil-Filled Safety Core Series



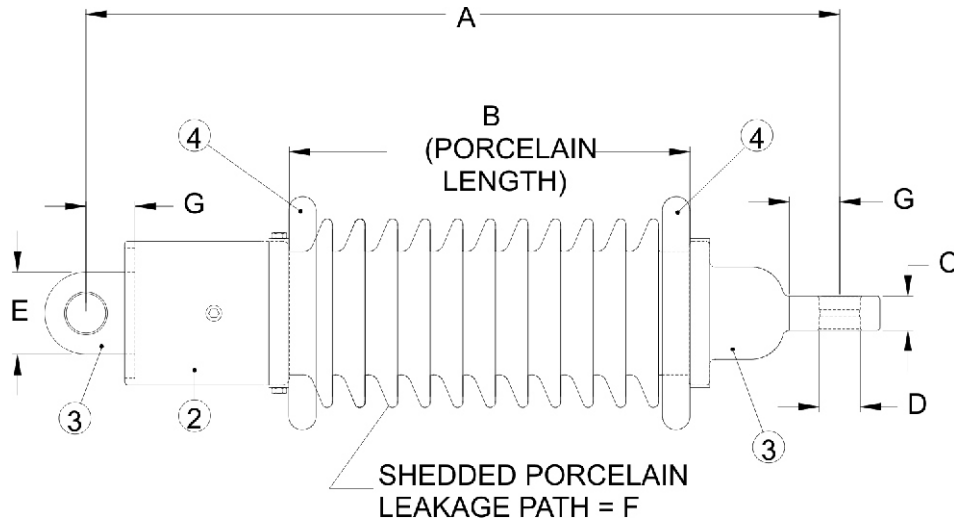
Austin's Oil-Filled Safety Core Guy Line Insulators incorporate the Austin Safety Core concept which consists of an endless wound fiberglass loop retained by internal pins within the external end fittings.

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.



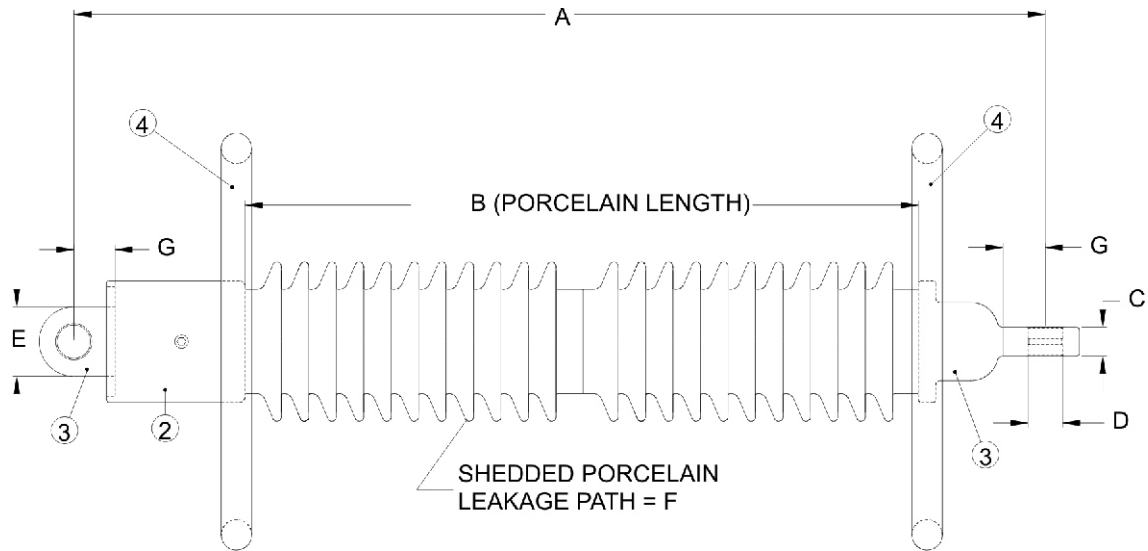
# SHORT SERIES



Type	Safe Working Load (kg) (1)	A (mm)	B (mm)	C		D dia.		E (mm)	F (mm)	G (mm)	Net Weight (kg)	Wind Area (m <sup>2</sup> )	Nominal Voltage kV rms (5)
				nom. (mm)	max. (mm)	nom. (mm)	min. (mm)						
A-S2001S	3,400 lb (1,542 kg)	16 " (406 mm)	10 " (254 mm)	11/16" (17 mm)	(3)	5/8 " (16 mm)	N/A	1 1/4 " (32 mm)	19 " (483 mm)	1 " (25 mm)	8 lb (4 kg)	1/4 (0.02)	35
A-S3003S	6,000 lb (2,722 kg)	19 1/2 " (21 mm)	10 1/2 " (267 mm)	5/8 " (16 mm)	25/32" (20 mm)	13/16" (21 mm)	25/32" (20 mm)	2 1/8 " (54 mm)	20 " (508 mm)	1 3/8 " (35 mm)	19 lb (9 kg)	3/8 (0.03)	40
A-S4006S	10,500 lb (4,763 kg)	20 5/8 " (524 mm)	10 1/2 " (267 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)	20 " (508 mm)	1 3/4 " (44 mm)	25 lb (11 kg)	3/8 (0.03)	40
A-S5008S	18,000 lb (8,165 kg)	27 1/4 " (692 mm)	14 1/2 " (368 mm)	1 1/4 " (32 mm)	1 3/8 " (35 mm)	1 7/16" (37 mm)	1 13/32" (36 mm)	3 " (76 mm)	32 " (813 mm)	1 3/4 " (44 mm)	55 lb (25 kg)	7/8 (0.08)	50
A-S6013S	28,000 lb (12,701 kg)	28 3/4 " (730 mm)	14 1/2 " (368 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)	32 " (813 mm)	2 3/8 " (60 mm)	72 lb (33 kg)	1 1/8 (0.10)	50
A-S6018S	40,000 lb (18,144 kg)	31 3/8 " (797 mm)	14 1/2 " (368 mm)	1 7/8 " (48 mm)	2 " (51 mm)	2 1/16" (52 mm)	2 1/32" (52 mm)	4 " (102 mm)	32 " (813 mm)	3 5/8 " (92 mm)	88 lb (40 kg)	1 1/4 (0.12)	50
A-S8027S	60,000 lb (27,216 kg)	32 " (813 mm)	14 1/2 " (368 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)	32 " (813 mm)	3 5/8 " (92 mm)	130 lb (59 kg)	1 1/2 (0.14)	50
A-S8040S	90,000 lb (40,823 kg)	34 3/8 " (873 mm)	14 1/2 " (368 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)	32 " (813 mm)	4 1/4 " (108 mm)	190 lb (86 kg)	1 5/8 (0.15)	50
A-S8056S	125,000 lb (56,699 kg)	36 1/8 " (918 mm)	14 1/2 " (368 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)	32 " (813 mm)	4 3/4 " (121 mm)	385 lb (175 kg)	2 1/4 (0.21)	50
A-S0078S	175,000 lb (79,379 kg)	37 3/8 " (949 mm)	14 1/2 " (368 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)	32 " (813 mm)	5 1/4 " (133 mm)	460 lb (209 kg)	2 3/4 (0.26)	50
A-S0100S	225,000 lb (102,058 kg)	42 5/8 " (1,083 mm)	14 1/2 " (368 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)	32 " (813 mm)	5 3/4 " (146 mm)	750 lb (340 kg)	3 1/8 (0.29)	50
A-S0123S	275,000 lb (124,738 kg)	43 3/4 " (1,111 mm)	14 1/2 " (368 mm)	5 " (127 mm)	5 3/16" (132 mm)	4 13/16" (122 mm)	4 25/32" (121 mm)	9 " (229 mm)	32 " (813 mm)	6 1/4 " (159 mm)	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.

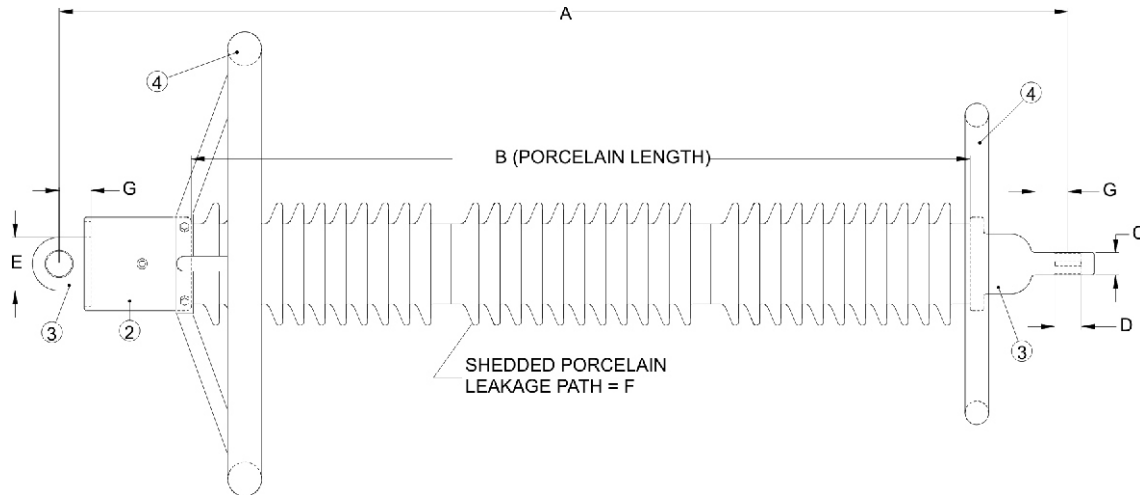
# MEDIUM SERIES



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 <sup>2</sup> )	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.

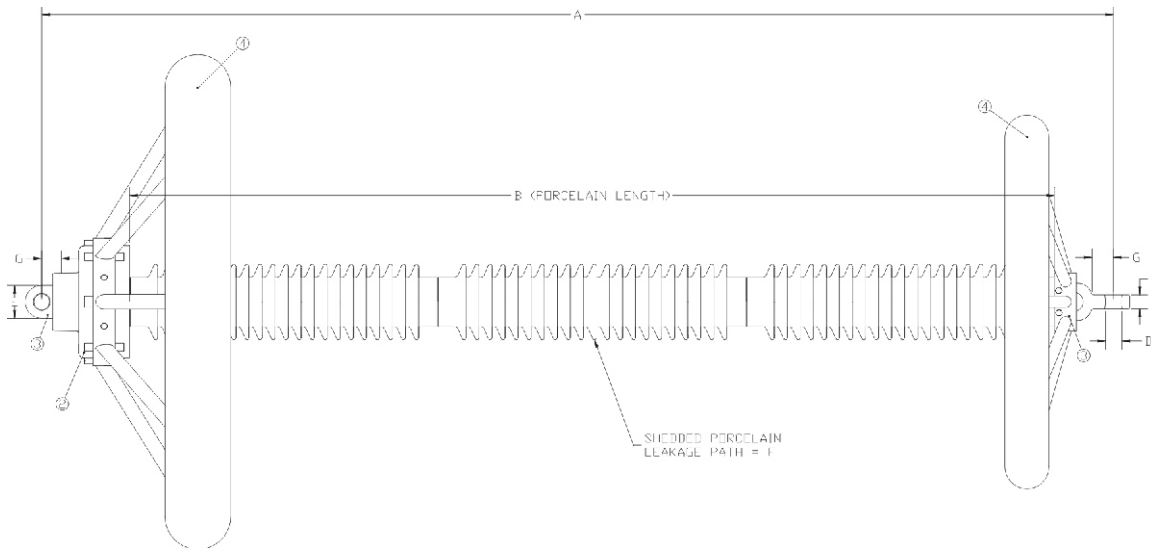
# LONG SERIES



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 <sup>2</sup> )	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.

# HIGH VOLTAGE 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 <sup>2</sup> )	Nominal Voltage kV rms (5)
				nom. (mm)	max. (mm)	nom. (mm)	min. (mm)						
A-ST6013	28,000 lb (12,701 kg)	99 1/2 " (2,527 mm)	63 " (1,600 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)	120 " (3,048 mm)	2 3/8 " (60 mm)	280 lb (127 kg)	7 (0.65)	125
A-ST6018	40,000 lb (18,144 kg)	102 " (2,591 mm)	84 " (2,134 mm)	1 7/8 " (48 mm)	2 " (51 mm)	2 1/16" (52 mm)	2 1/32" (52 mm)	4 " (102 mm)	192 " (4,877 mm)	3 5/8 " (92 mm)	290 lb (132 kg)	7 (0.65)	125
A-ST8027	60,000 lb (27,216 kg)	102 " (2,591 mm)	84 " (2,134 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)	192 " (4,877 mm)	3 5/8 " (92 mm)	460 lb (209 kg)	8 (0.74)	125
A-ST8040	90,000 lb (40,823 kg)	104 " (2,642 mm)	84 " (2,134 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)	177 " (4,496 mm)	4 1/4 " (108 mm)	490 lb (222 kg)	8 (0.74)	125
A-ST8056	125,000 lb (56,699 kg)	106 1/4 " (2,699 mm)	84 " (2,134 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)	177 " (4,496 mm)	4 3/4 " (121 mm)	990 lb (449 kg)	12 3/10 (1.14)	125
A-ST0078	175,000 lb (79,379 kg)	107 1/2 " (2,731 mm)	84 " (2,134 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)	177 " (4,496 mm)	5 1/4 " (133 mm)	1,050 lb (476 kg)	12 1/5 (1.13)	130
A-ST0100	225,000 lb (102,058 kg)	112 5/8 " (2,861 mm)	84 " (2,134 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)	177 " (4,496 mm)	5 3/4 " (146 mm)	1,450 lb (658 kg)	13 4/5 (1.28)	130
A-ST0123	275,000 lb (124,738 kg)	113 7/8 " (2,892 mm)	82 3/4 " (2,102 mm)	5 " (127 mm)	5 3/16" (132 mm)	4 13/16" (122 mm)	4 25/32" (121 mm)	9 " (229 mm)	185 " (4,699 mm)	6 1/4 " (159 mm)	1,550 lb (703 kg)	14 1/2 (1.35)	130

- (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. Dimension 'C' is the gap between the ears.
- (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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