Terminal-Pad Loading Limits and Mounting-Pedestal Foundation Loading Data

This publication sets forth the maximum continuous and permissible peak loading limits for the terminal pads of each Series 2000 Circuit-Switcher model (with the exception of 161-kV and 230-kV Model 2020 circuit-switchers with vertical interrupters and a side-break power-operated disconnect). It also sets forth the loading data necessary to properly construct foundations for Series 2000 Circuit-Switcher mounting pedestals.

Loading data are based on the most adverse combination of the aforementioned maximum continuous terminal-pad loadings and takes into account the dead weight of the circuit-switcher, the dead-weight contribution of the circuit-switcher to the bending moment, as well as a wind loading of 90 miles per hour.

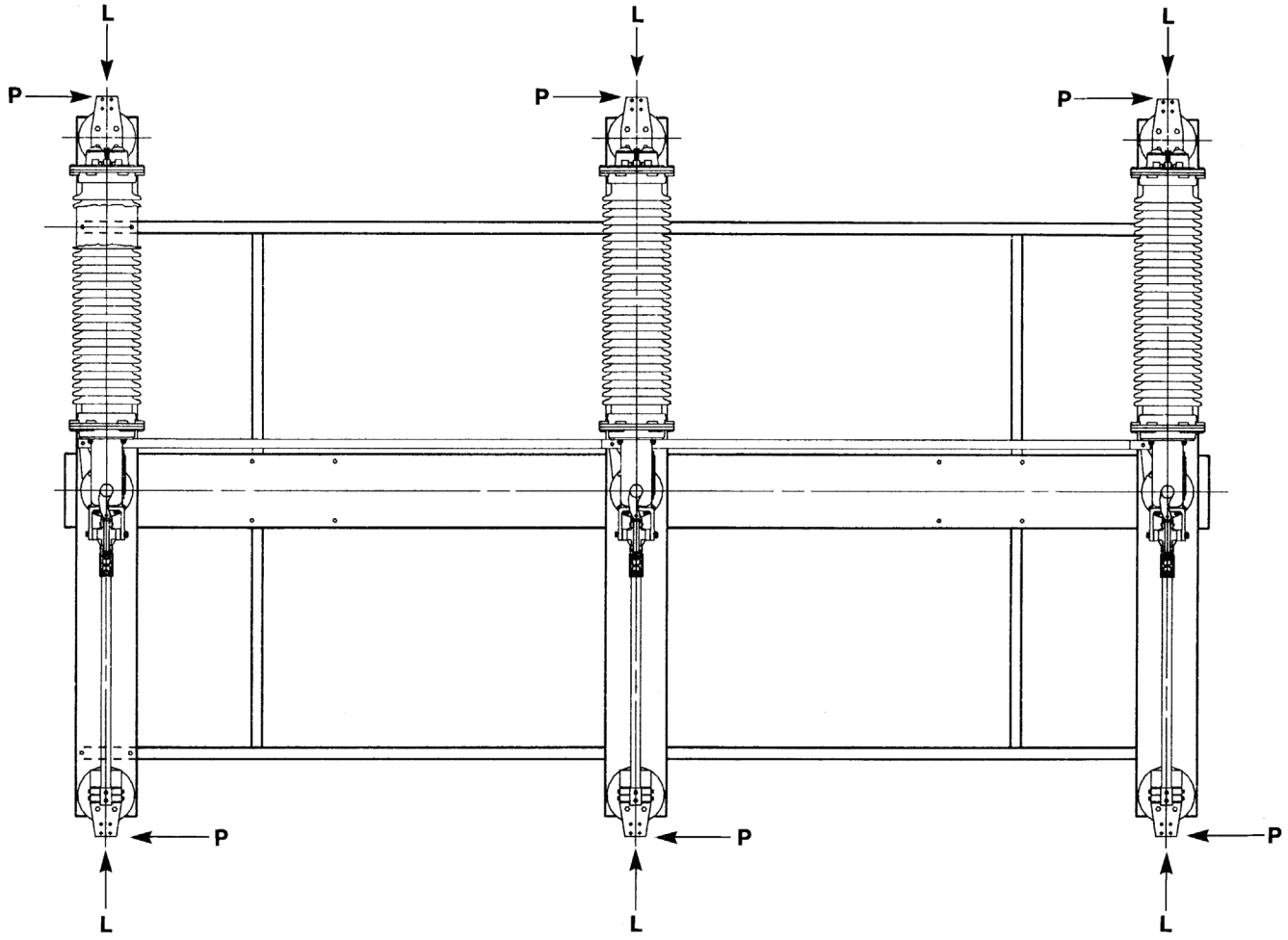
Series 2000 Circuit-Switchers, when installed with the recommended S&C Anchor Bolts and with flexible-conductor connections at all six terminal pads, are capable of withstanding seismic loading of 0.2 g ground acceleration in any direction, as well as performing as intended during such loading and afterward.

For applications involving higher terminal-pad loadings, higher wind loadings, or where higher seismic withstand capabilities are required, refer to the nearest S&C Sales Office.

Supersedes Data Bulletin 716-61 dated 2-16-09

August 5, 2024

Model 2010
With horizontal interrupters and a vertical-break power-operated disconnect



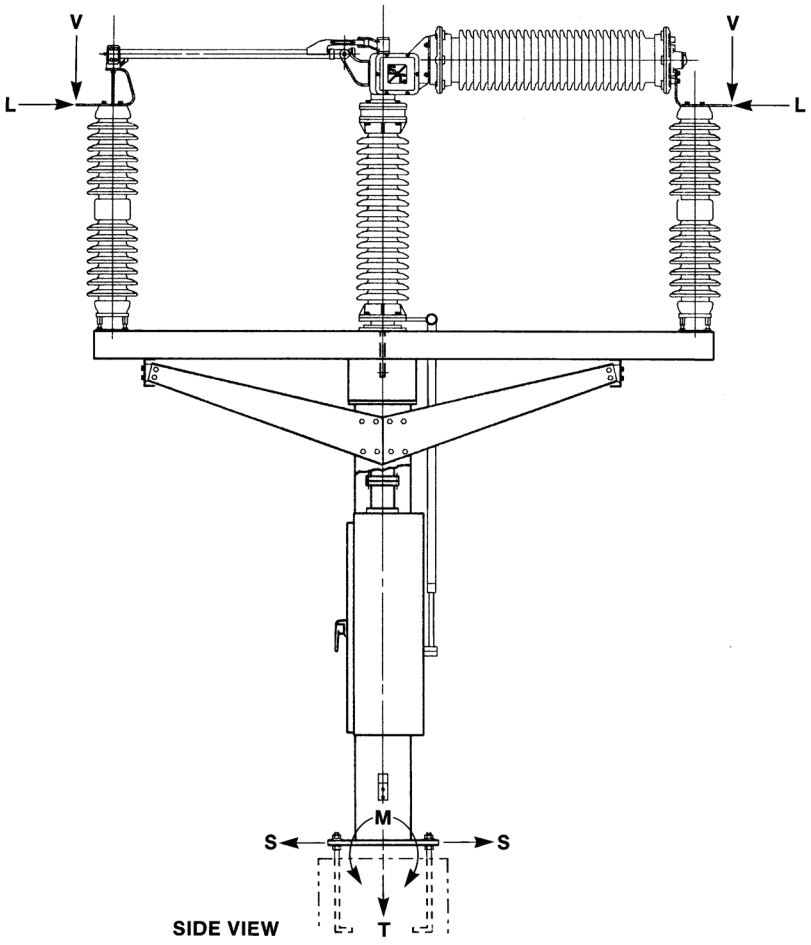
TOP VIEW

Table 1. Terminal-Pad Loading Limits

Mounting Pedestal Height, Inches (cm)	In-Line with Terminal Pads, L, Lbs. (kg)		Perpendicular to Terminal Pads, P, Lbs. (kg)		Vertical to Terminal Pads, V, Lbs. (kg)	
	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak
96 (244) through 144 (366)	150 (68)	300 (136)	75 (34)	150 (68)	300 (136)	300 (136)
168 (427) through 240 (610)	50 (23)	50 (23)	50 (23)	50 (23)●	50 (23)	50 (23)

● 150 lbs. (68 kg) under momentary short-circuit conditions.

Dimensions in inches (mm)



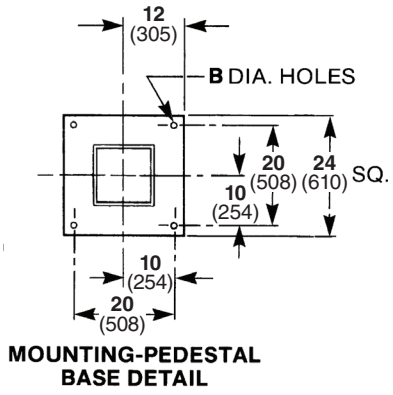


Table 2. Anchor Bolt Hole Diameter

Circuit-Switcher			Anchor Bolt Hole Diameter, B, Inches (mm)
Rating, kV	Phase Spacing, Inches (cm)	Mounting Pedestal Height, Inches (cm)	
69	48 (122)	96 (244) through 144 (366)	1½ (38)
		168 (427) through 240 (610)	1¾ (44.5)
	84 (213)	96 (244) through 144 (366)	1¼ (32)
		168 (427) through 240 (610)	1½ (38)
115 and 138	84 (213) and 102 (259)	96 (244) through 144 (366)	1¼ (32)
		168 (427) through 240 (610)	1½ (38)
161●	120 (305)	96 (244) through 192 (488)	1½ (38)
161 and 230	120 (305)	96 (244) through 240 (610)	1¼ (32)

● Two-pedestal design.

Table 3. Mounting-Pedestal Foundation Loading Data①

Circuit-Switcher		Mounting-Pedestal Foundation Loadings, per Pedestal②										
Rating, kV	Phase Spacing, Inches (cm)	Bending Moment, M, Ft-Lbs. (n M), for Mounting-Pedestal Height of							Shear Load, S, Lbs. (kg)	Thrust Load, T, Lbs. (kg)		
		96 in. (244 cm)	120 in. (305 cm)	144 in. (366 cm)	168 in. (427 cm)	192 in. (488 cm)	216 in. (549 cm)	240 in. (610 cm)		Static	Dynamic	Total
69	48 (122)	35 000 (47 454)	40 000 (54 233)	45 000 (61 012)	—	—	—	—	2800 (1270)	6700 (3039)	3000 (1361)	9700 (4400)
		—	—	—	35 000 (47 454)	40 000 (54 233)	45 000 (61 012)	50 000 (67 791)	2700 (1225)	5600 (2540)	3000 (1361)	8600 (3901)
	84 (213)	20 500 (27 794)	23 500 (31 862)	27 000 (36 607)	—	—	—	—	2000 (907)	4100 (1860)	1500 (680)	5600 (2540)
		—	—	—	22 500 (30 506)	25 500 (34 573)	29 000 (39 319)	32 500 (44 064)	2000 (907)	3700 (1678)	1500 (680)	5200 (2359)
115	84 (213)	22 000 (29 828)	25 500 (34 573)	28 000 (37 963)	—	—	—	—	2100 (953)	4500 (2041)	1500 (680)	6000 (2722)
		—	—	—	24 500 (33 218)	28 000 (37 963)	31 500 (42 708)	35 000 (47 454)	2100 (953)	4100 (1860)	1500 (680)	5600 (2540)
	102 (259)	22 500 (30 506)	26 000 (35 251)	30 000 (40 675)	—	—	—	—	2200 (998)	4600 (2087)	1500 (680)	6100 (2767)
		—	—	—	26 000 (35 251)	29 000 (39 319)	33 000 (44 742)	36 500 (49 487)	2200 (998)	4200 (1905)	1500 (680)	5700 (2385)
138	84 (213)	22 500 (30 506)	26 000 (35 251)	30 000 (40 675)	—	—	—	—	2100 (953)	4600 (2087)	1500 (680)	6100 (2767)
		—	—	—	26 000 (35 251)	29 000 (39 319)	32 500 (44 064)	36 000 (49 810)	2100 (953)	4300 (1950)	1500 (680)	5800 (2631)
	102 (259)	23 500 (31 862)	27 000 (36 607)	31 000 (42 030)	—	—	—	—	2200 (998)	4700 (2132)	1500 (680)	6200 (2812)
		—	—	—	26 500 (35 929)	30 000 (40 675)	34 000 (46 098)	38 000 (51 521)	2200 (998)	4300 (1950)	1500 (680)	5800 (2631)
161●	120 (305)	—	—	—	32 000 (43 386)	36 000 (48 810)	■	■	2500 (1134)	4800 (2177)	1500 (680)	6300 (2858)
		28 500 (38 641)	32 500 (44 064)	37 000 (50 165)	—	—			2400 (1089)	5400 (2449)	1500 (680)	6900 (3130)
161	120 (305)	—	—	—	23 000 (31 184)	26 000 (35 251)	29 500 (39 997)	32 500 (44 064)	2100 (953)	3900 (1769)	1500 (680)	5400 (2449)
		20 000 (27 116)	23 000 (31 184)	26 000 (35 251)	—	—	—	—	1800 (816)	4000 (1814)	1500 (680)	5500 (2495)
230	120 (305)	—	—	—	25 000 (33 896)	28 000 (37 963)	31 500 (42 708)	32 500 (44 064)	2300 (1043)	4300 (1950)	1500 (680)	5800 (2631)
		21 500 (29 150)	24 500 (33 218)	28 000 (37 963)	—	—	—	—	2000 (907)	4400 (1996)	1500 (680)	5900 (2676)

① Based on most-adverse combination of maximum continuous terminal-pad loading limits listed in Table 1 on page 2 and taking into account the dead weight of the circuit-switcher, the dead-weight contribution of the circuit-switcher to the bending moment, along with wind loading of 90 miles per hour.

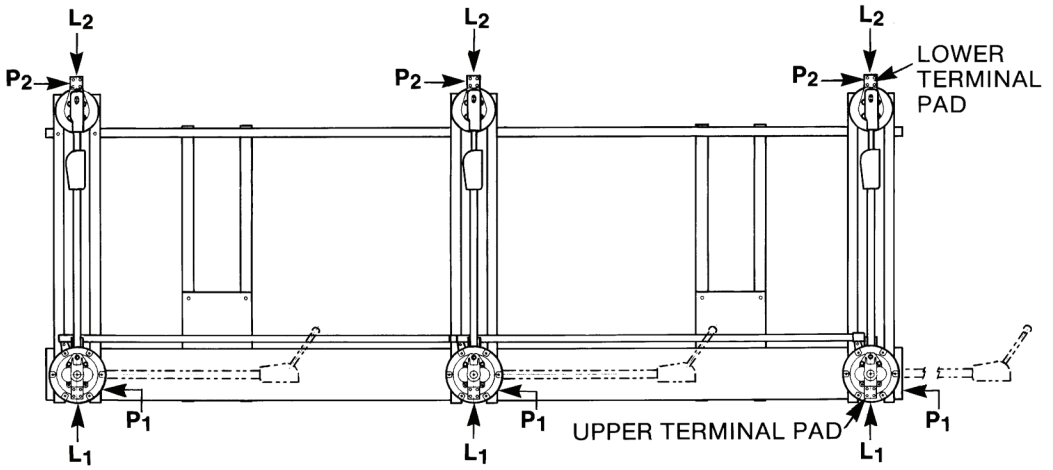
② A single mounting pedestal is used for circuit-switchers rated 69 kV (with 48-inch [122-cm] phase spacing); a set of two pedestals is used for circuit- switchers rated 69 kV (with 84-inch [213-cm] phase spacing), 115 kV, 138 kV, and 161 kV; set of three pedestals is used for circuit-switchers rated 161 kV and 230 kV.

● Two-pedestal design.

■ Not available.

Model 2020

With Vertical Interrupters and Side-Break Power-Operated Disconnect



TOP VIEW

Table 4. Upper-Terminal-Pad Loading Limits

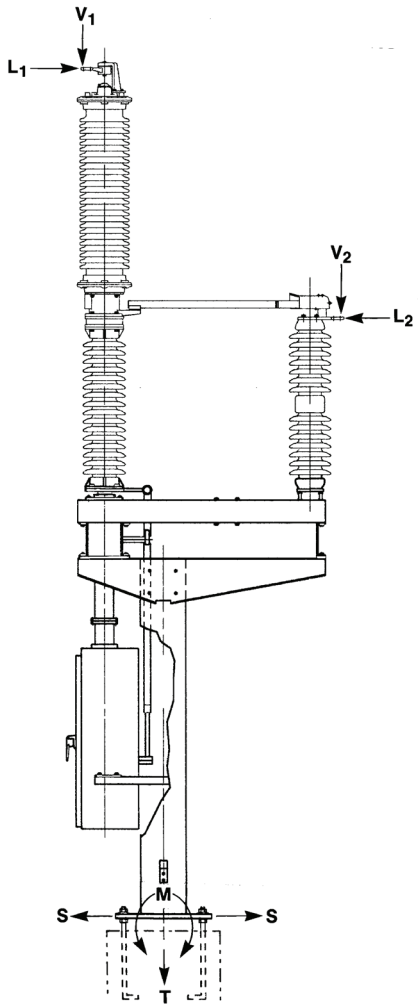
Mounting Pedestal Height, Inches (cm)	In-Line with Terminal Pads, L_1, Lbs. (kg)		Perpendicular to Terminal Pads, P_1, Lbs. (kg)		Vertical to Terminal Pads, V_1, Lbs. (kg)	
	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak
96 (244) through 144 (366)	50 (23)	300 (136)	75 (34)	150 (68)	300 (136)	300 (136)
168 (427) through 240 (610)	50 (23)	50 (23)	50 (23)	50 (23)●	50 (23)	50 (23)

Table 5. Lower-Terminal-Pad Loading Limits

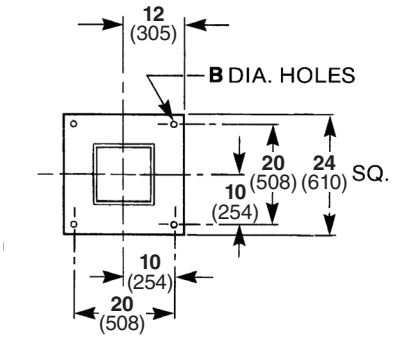
Mounting Pedestal Height, Inches	In-Line with Terminal Pads, L_2, Lbs. (kg)		Perpendicular to Terminal Pads, P_2, Lbs. (kg)		Vertical to Terminal Pads, V_2, Lbs. (kg)	
	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak
96 (244) through 144 (366)	150 (68)	300 (136)	75 (34)	150 (68)	300 (136)	300 (136)
168 (427) through 240 (610)	50 (23)	50 (23)	50 (23)	50 (23)●	50 (23)	50 (23)

● 150 lbs. (68 kg) under momentary short-circuit conditions.

Dimensions in inches (mm)



SIDE VIEW



MOUNTING-PEDESTAL BASE DETAIL

Table 6. Anchor Bolt Hole Diameter

Circuit-Switcher			Anchor Bolt Hole Diameter, B, Inches (mm)
Rating, kV	Phase Spacing, Inches (cm)	Mounting Pedestal Height, Inches (cm)	
69	48 (122)	96 (244) through 192 (488)	1½ (38)
		216 (549) and 240 (610)	1¾ (44.5)
	84 (213)	96 (244) through 144 (366)	1¼ (32)
		168 (427) through 240 (610)	1½ (38)
115 and 138	84 (213) and 102 (259)	96 (244) through 144 (366)	1¼ (32)
		168 (427) through 240 (610)	1½ (38)

Table 7. Mounting-Pedestal Foundation Loading Data①

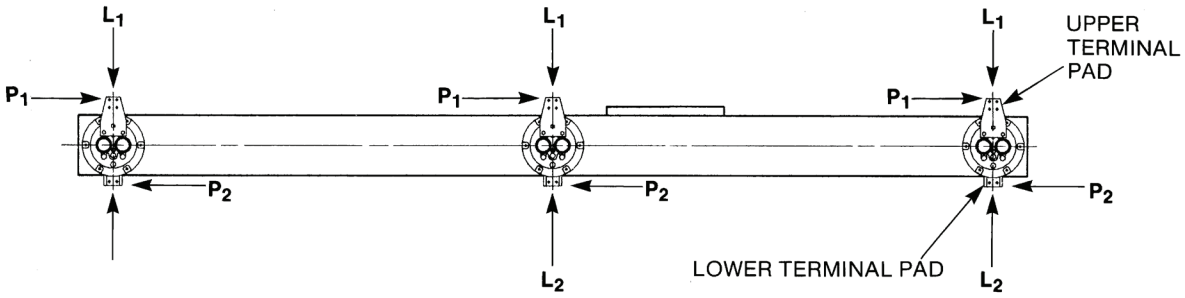
Circuit-Switcher		Mounting-Pedestal Foundation Loadings, per Pedestal②										
Rating, kV	Phase Spacing, Inches (cm)	Bending Moment, M, Ft-Lbs. (n M), for Mounting-Pedestal Height of							Shear Load, S, Lbs. (kg)	Thrust Load, T, Lbs. (kg)		
		96 in. (244 cm)	120 in. (305 cm)	144 in. (366 cm)	168 in. (427 cm)	192 in. (488 cm)	216 in. (549 cm)	240 in. (610 cm)		Static	Dynamic	Total
69	48 (122)	30 000 (40 675)	34 000 (46 098)	38 500 (52 199)	—	—	—	—	2600 (1179)	5800 (2631)	3000 (1361)	8800 (3992)
		—	—	—	34 500 (46 776)	39 000 (52 977)	43 500 (58 978)	48 000 (65 079)	2600 (1179)	4800 (2177)	3000 (1361)	7800 (3538)
	84 (213)	17 500 (23 727)	20 500 (27 794)	23 500 (31 862)	—	—	—	—	1800 (816)	3600 (1633)	1500 (680)	5100 (2313)
		—	—	—	22 000 (29 828)	25 500 (34 573)	28 500 (38 641)	32 000 (43 386)	2000 (907)	3300 (1497)	1500 (680)	4800 (2177)
115	84 (213)	17 500 (23 727)	20 500 (27 794)	24 000 (32 540)	—	—	—	—	1800 (816)	3900 (1769)	1500 (680)	5400 (2449)
		—	—	—	22 500 (30 506)	25 500 (34 573)	29 000 (39 319)	32 500 (44 064)	2000 (907)	3600 (1633)	1500 (680)	5100 (2313)
	102 (259)	19 000 (25 761)	22 000 (27 166)	24 500 (33 218)	—	—	—	—	1800 (816)	4000 (1814)	1500 (680)	5500 (2495)
		—	—	—	24 000 (32 540)	27 000 (36 607)	30 500 (41 353)	34 000 (46 098)	2100 (953)	3600 (1633)	1500 (680)	5100 (2313)
138	84 (213)	19 500 (26 438)	22 500 (30 506)	25 500 (34 573)	—	—	—	—	1900 (862)	4000 (1814)	1500 (680)	5500 (2495)
		—	—	—	24 000 (33 218)	27 000 (36 607)	30 500 (41 353)	34 000 (46 098)	2100 (953)	3700 (1678)	1500 (680)	5200 (2359)
	102 (259)	20 000 (27 116)	23 000 (31 184)	26 500 (35 929)	—	—	—	—	1900 (862)	4000 (1814)	1500 (680)	5500 (2495)
		—	—	—	25 000 (33 896)	28 500 (38 641)	32 000 (43 386)	35 500 (48 132)	2000 (907)	3700 (1678)	1500 (680)	5200 (2359)

① Based on most-adverse combination of maximum-continuous terminal-pad loading limits listed in Table 4 and Table 5 on page 5 and taking into account the dead weight of the circuit-switcher, the dead-weight contribution of the circuit-switcher to the bending moment, along with wind loading of 90 miles per hour.

② A single mounting pedestal is used for circuit-switchers rated 69 kV (with 48-inch [122-cm] phase spacing); a set of two pedestals is used for circuit-switchers rated 69 kV (with 84-inch [213-cm] phase spacing), 115 kV, and 138 kV.

Model 2030

With Vertical Interrupters and Without Disconnect



TOP VIEW

Table 8. Upper-Terminal-Pad Loading Limits

Mounting Pedestal Height, Inches (cm)	In-Line with Terminal Pads, L_1, Lbs. (kg)		Perpendicular to Terminal Pads, P_1, Lbs. (kg)		Vertical to Terminal Pads, V_1, Lbs. (kg)	
	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak
96 (244) through 144 (366)	100 (45)●■	300 (136)●■	100 (45)●■	150 (68)●■	300 (136)■	300 (136)■
168 (427) through 240 (610)	50 (23)	50 (23)	50 (23)	50 (23)▲	50 (23)	50 (23)

Table 9. Lower-Terminal-Pad Loading Limits

Mounting Pedestal Height, Inches (cm)	In-Line with Terminal Pads, L_2, Lbs. (kg)		Perpendicular to Terminal Pads, P_2, Lbs. (kg)		Vertical to Terminal Pads, V_2, Lbs. (kg)	
	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak
96 (244) through 144 (366)	225 (102)●■	600 (272)●■	225 (102)●■	300 (136)●■	300 (136)■	300 (136)■
168 (427) through 240 (610)	50 (23)	50 (23)	50 (23)	50 (23)▲	50 (23)	50 (23)

● If both the upper and lower terminal pads are loaded, the upper and lower in-line loads and the upper and lower perpendicular loads must be in opposing directions, respectively. If these loads are in the same direction, the loading limit must be reduced to one-half of the value indicated.

■ For 161-kV and 230-kV Model 2030 circuit-switchers, 50 lbs. (23 kg) under seismic loading of 0.2 g ground acceleration.

▲ 150 lbs. (68 kg) under momentary short-circuit conditions.

Dimensions in inches (mm)

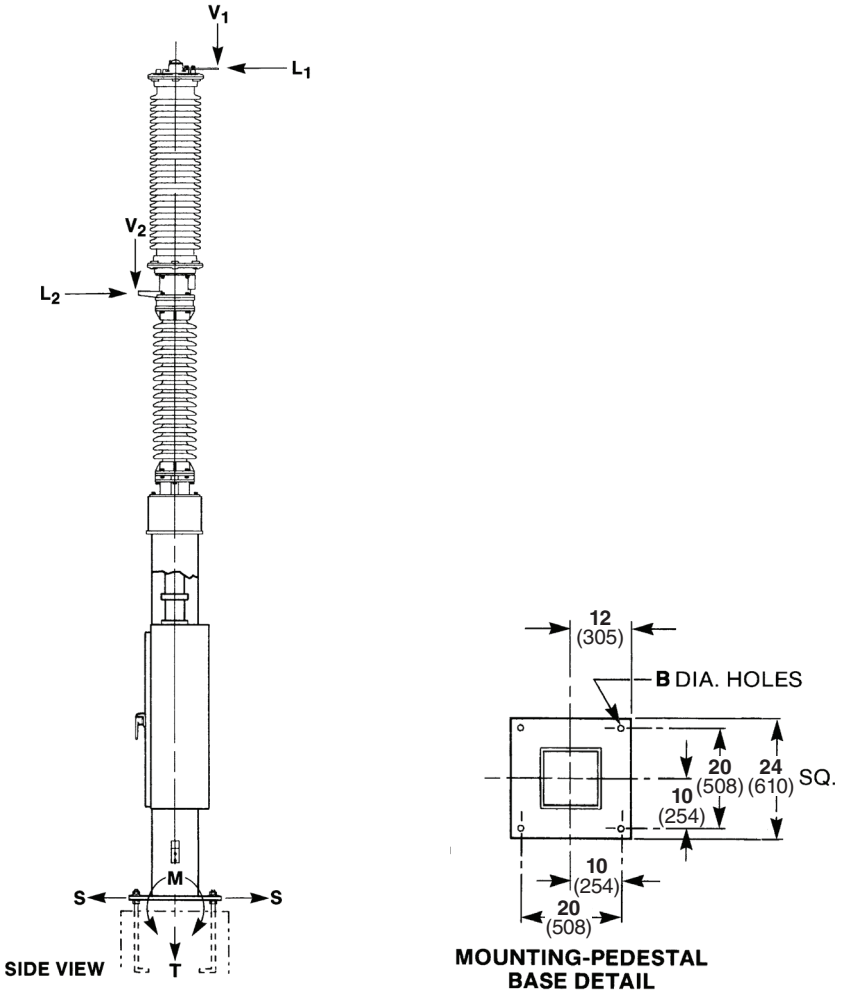


Table 10. Anchor Bolt Hole Diameter

Circuit-Switcher			Anchor Bolt Hole Diameter, B, Inches (mm)
Rating, kV	Phase Spacing, Inches (cm)	Mounting Pedestal Height, Inches (cm)	
64	48 (122)	96 (244) through 240 (610)	1½ (38)
	84 (213)	96 (244) through 240 (610)	1¼ (32)
115 and 138	84 (213) and 102 (259)	96 (244) through 240 (610)	1¼ (32)
161●	120 (305)	96 (244) through 168 (427)	1¼ (32)
		96 (244) through 240 (610)	1½ (38)
161 and 230	120 (305)	96 (244) through 240 (610)	1¼ (32)

● Two-pedestal design.

Table 11. Mounting-Pedestal Foundation Loading Data①

Circuit-Switcher		Mounting-Pedestal Foundation Loadings, per Pedestal②										
Rating, kV	Phase Spacing, Inches (cm)	Bending Moment, M, Ft-Lbs. (n M), for Mounting-Pedestal Height of							Shear Load, S, Lbs. (kg)	Thrust Load, T, Lbs. (kg)		
		96 in. (244 cm)	120 in. (305 cm)	144 in. (366 cm)	168 in. (427 cm)	192 in. (488 cm)	216 in. (549 cm)	240 in. (610 cm)		Static	Dynamic	Total
69	48 (122)	20 500 (27 794)	24 000 (32 540)	27 500 (37 285)	—	—	—	—	2200 (998)	4900 (2223)	3000 (1361)	7900 (3583)
		—	—	—	24 000 (32 540)	27 500 (37 285)	31 000 (42 030)	34 500 (46 776)	2100 (953)	3800 (1724)	3000 (1361)	6800 (3084)
	84 (213)	12 000 (16 270)	14 000 (18 981)	16 500 (22 371)	—	—	—	—	1500 (680)	3100 (1406)	1500 (680)	4600 (2087)
		—	—	—	15 500 (21 015)	18 000 (24 405)	21 000 (28 472)	23 000 (31 184)	1600 (726)	2700 (1225)	1500 (680)	4200 (1905)
115	84 (213)	12 500 (16 948)	15 000 (20 337)	17 500 (23 727)	—	—	—	—	1500 (680)	3200 (1451)	1500 (680)	4700 (2132)
		—	—	—	16 000 (21 693)	18 500 (25 083)	21 000 (28 472)	24 000 (32 540)	1600 (726)	2800 (1270)	1500 (680)	4300 (1950)
	102 (259)	13 000 (17 626)	15 200 (20 608)	18 000 (24 405)	—	—	—	—	1500 (680)	3200 (1451)	1500 (680)	4700 (2132)
		—	—	—	16 500 (22 371)	19 000 (25 761)	22 000 (29 828)	24 500 (33 218)	1700 (771)	2800 (1270)	1500 (680)	4300 (1950)
138	84 (213)	13 500 (18 304)	15 500 (21 015)	18 000 (24 405)	—	—	—	—	1500 (680)	3200 (1451)	1500 (680)	4700 (2132)
		—	—	—	16 500 (22 371)	19 000 (25 761)	22 000 (29 828)	24 500 (33 218)	1700 (771)	2800 (1270)	1500 (680)	4300 (1950)
	102 (259)	13 500 (18 304)	16 000 (21 693)	18 500 (25 083)	—	—	—	—	1500 (680)	3300 (1497)	1500 (680)	4800 (2177)
		—	—	—	17 000 (23 049)	19 000 (25 761)	22 500 (30 506)	25 000 (33 896)	1700 (771)	2900 (1315)	1500 (680)	4400 (1996)
161●	120 (305)	—	—	—	19 900 (26 981)	22 700 (30 777)	25 600 (34 709)	28 700 (38 912)	1800 (816)	3200 (1451)	1500 (680)	4700 (2132)
		15 500 (21 015)	18 250 (24 744)	21 000 (28 472)	—	—	—	—	1700 (771)	3600 (1633)	1500 (680)	5100 (2313)
161	120 (305)	—	—	—	15 000 (20 337)	17 500 (23 727)	19 500 (26 438)	22 000 (29 828)	1500 (680)	2600 (1179)	1500 (680)	4100 (1860)
		11 000 (14 914)	13 000 (17 626)	15 500 (21 015)	—	—	—	—	1300 (590)	2800 (1270)	1500 (680)	4300 (1950)
230	120 (305)	—	—	—	16 000 (21 693)	18 500 (25 083)	21 000 (28 472)	23 500 (31 862)	1600 (726)	2700 (1225)	1500 (680)	4200 (1905)
		12 500 (16 948)	21 500 (29 150)	16 500 (22 371)	—	—	—	—	1400 (635)	2900 (1315)	1500 (680)	4400 (1996)

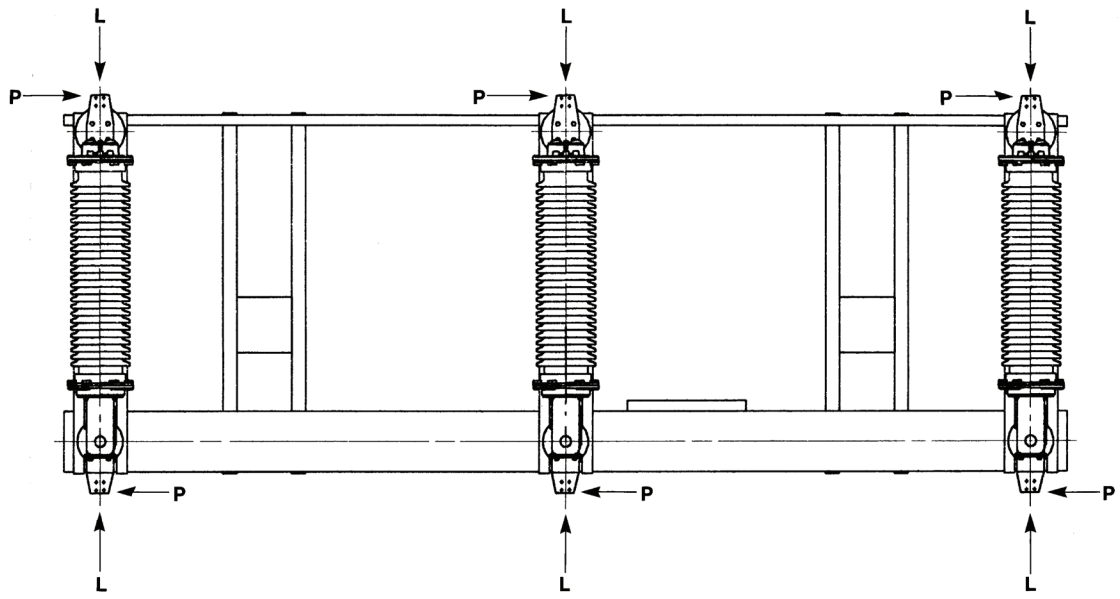
① Based on most-adverse combination of maximum continuous terminal-pad loading limits listed in Table 8 and Table 9 on page 8 and taking into account the dead weight of the circuit-switcher, the dead-weight contribution of the circuit-switcher to the bending moment, along with wind loading of 90 miles per hour.

② A single mounting pedestal is used for circuit-switchers rated 69 kV (with 48-inch [122-cm] phase spacing); a set of two pedestals is used for circuit-switchers rated 69 kV (with 84-inch [213-cm] phase spacing), 115 kV, 138 kV, and 161 kV; a set of three pedestals is used for circuit-switchers rated 161 kV and 230 kV.

● Two-pedestal design.

Model 2040

With Horizontal Interrupters and Without Disconnect



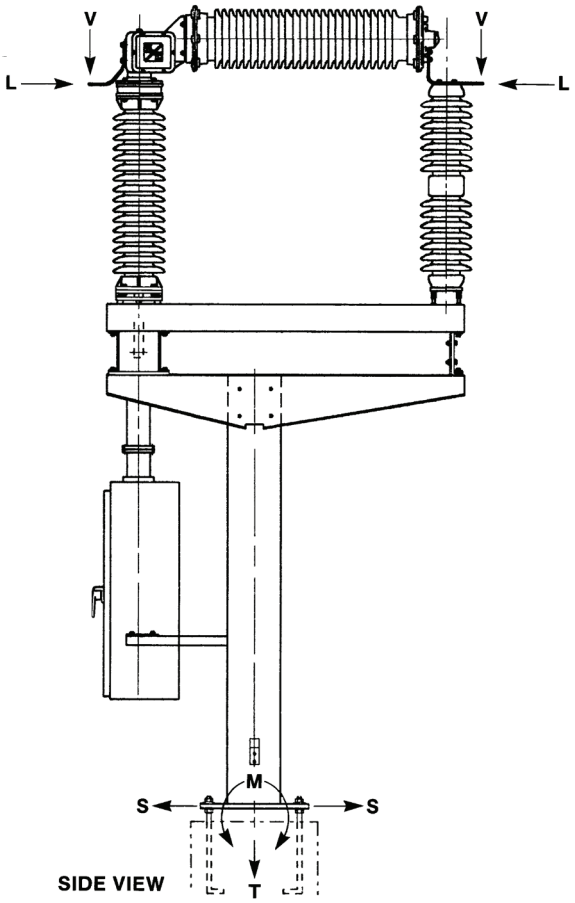
TOP VIEW

Table 12. Terminal-Pad Loading Limits

Mounting Pedestal Height, Inches (cm)	In-Line with Terminal Pads, L, Lbs. (kg)		Perpendicular to Terminal Pads, P,Lbs. (kg)		Vertical to Terminal Pads, V, Lbs. (kg)	
	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak	Maximum Continuous	Permissible Peak
96 (244) through 144 (366)	150 (68)	300 (136)	75 (34)	150 (68)	300 (136)	300 (136)
168 (427) through 240 (610)	50 (23)	50 (23)	50 (23)	50 (23)●	50 (23)	50 (23)

● 150 lbs. (68 kg) under momentary short-circuit conditions.

Dimensions in inches (mm)



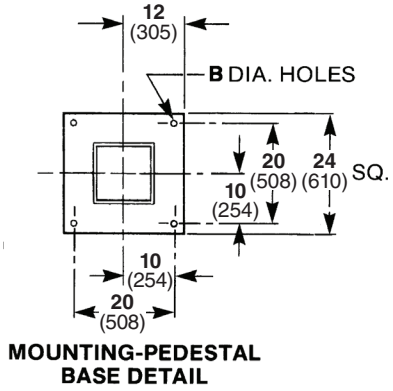


Table 13. Anchor Bolt Hole Diameter

Circuit-Switcher			Anchor Bolt Hole Diameter, B, Inches (mm)
Rating, kV	Phase Spacing, Inches (cm)	Mounting Pedestal Height, Inches (cm)	
64	48 (122)	96 (244) through 192 (488)	1½ (38)
		216 (549) through 240 (610)	1¾ (44.5)
	84 (213)	96 (244) through 144 (366)	1¼ (32)
		168 (427) through 240 (610)	1½ (38)
115 and 138	84 (213) and 102 (259)	96 (244) through 144 (366)	1¼ (32)
		168 (427) through 240 (610)	1½ (38)
161●	120 (305)	96 (244) through 192 (488)	1½ (38)
161 and 230	102 (259) and 120 (305)	96 (244) through 240 (610)	1¼ (32)

● Two-pedestal design.

Table 14. Mounting-Pedestal Foundation Loading Data①

Circuit-Switcher		Mounting-Pedestal Foundation Loadings, per Pedestal②										
Rating, kV	Phase Spacing, Inches (cm)	Bending Moment, M, Ft-Lbs. (n M), for Mounting-Pedestal Height of							Shear Load, S, Lbs. (kg)	Thrust Load, T, Lbs. (kg)		
		96 in. (244 cm)	120 in. (305 cm)	144 in. (366 cm)	168 in. (427 cm)	192 in. (488 cm)	216 in. (549 cm)	240 in. (610 cm)		Static	Dynamic	Total
69	48 (122)	26 500 (35 929)	31 000 (42 030)	35 500 (48 132)	—	—	—	—	2600 (1179)	6200 (2812)	3000 (1361)	4200 (1905)
		—	—	—	31 000 (42 030)	35 000 (47 454)	39 500 (53 555)	44 000 (59 656)	2500 (1134)	5200 (2359)	3000 (1361)	8200 (3719)
	84 (213)	15 500 (21 015)	18 500 (25 083)	21 500 (29 150)	—	—	—	—	1800 (816)	3900 (1769)	1500 (680)	5400 (2449)
		—	—	—	18 000 (24 405)	20 500 (27 794)	23 500 (31 862)	26 500 (35 929)	1800 (816)	3500 (1588)	1500 (680)	5000 (2268)
115	84 (213)	17 500 (23 727)	20 500 (27 794)	23 500 (31 862)	—	—	—	—	1800 (816)	4200 (1905)	1500 (680)	5700 (2585)
		—	—	—	19 500 (26 438)	22 500 (30 506)	25 500 (34 573)	28 500 (38 641)	1900 (862)	3800 (1724)	1500 (680)	5300 (2404)
	102 (259)	18 000 (24 405)	21 500 (29 150)	24 500 (33 218)	—	—	—	—	1900 (862) (862)	4200 (1905)	1500 (680)	5700 (2585)
		—	—	—	20 500 (27 794)	24 000 (32 540)	27 000 (36 607)	30 500 (41 353)	1900 (862)	3900 (1769)	1500 (680)	5400 (2449)
138	84 (213)	18 000 (24 405)	21 500 (29 150)	24 500 (33 218)	—	—	—	—	1800 (816)	4200 (1905)	1500 (680)	5800 (2631)
		—	—	—	20 500 (27 794)	23 500 (31 862)	27 000 (36 607)	29 500 (39 997)	1700 (771)	3800 (1724)	1500 (680)	5300 (2404)
	102 (259)	18 500 (25 083)	22 000 (29 828)	25 500 (34 573)	—	—	—	—	2000 (907)	4300 (1950)	1500 (680)	5800 (2631)
		—	—	—	21 500 (29 150)	24 000 (32 540)	27 500 (37 285)	31 000 (42 030)	2000 (907)	3900 (1769)	1500 (680)	5400 (2449)
161●	120 (305)	23 250 (31 523)	26 750 (36 268)	30 500 (41 353)	—	—	■	■	2100 (953)	5100 (2313)	1500 (680)	6600 (2994)
		—	—	—	26 000 (32 251)	29 500 (39 997)			2000 (907)	4500 (2041)	1500 (680)	6000 (2722)
161	102 (259)	16 000 (21 693)	18 500 (25 083)	21 000 (28 472)	—	—	—	—	1600 (726)	3700 (1678)	1500 (680)	5200 (2359)
		—	—	—	18 000 (24 405)	20 500 (27 794)	23 500 (31 862)	26 500 (35 929)	1800 (816)	3600 (1633)	1500 (680)	5100 (2113)
	120 (305)	16 500 (22 371)	14 000 (18 981)	21 500 (29 150)	—	—	—	—	1600 (726)	3800 (1724)	1500 (680)	5300 (2404)
		—	—	—	19 000 (25 761)	21 500 (29 150)	24 500 (33 218)	27 500 (37 285)	1800 (816)	3700 (1678)	1500 (680)	5200 (2359)
230	120 (305)	18 500 (25 083)	21 000 (28 472)	24 000 (32 540)	—	—	—	—	1700 (771)	4000 (1814)	1500 (680)	5500 (2495)
		—	—	—	21 000 (28 472)	23 500 (31 862)	26 500 (35 929)	29 500 (39 997)	1900 (862)	3900 (1769)	1500 (680)	5400 (2449)

① Based on most-adverse combination of maximum continuous terminal-pad loading limits listed in Table 12 on page 11 and taking into account the dead weight of the circuit-switcher, the dead-weight contribution of the circuit-switcher to the bending moment, along with wind loading of 90 miles per hour.

② A single mounting pedestal is used for circuit-switchers rated 69 kV (with 48-inch [122-cm] phase spacing); a set of two pedestals is used for circuit-switchers rated 69 kV (with 84-inch [213-cm] phase spacing), 115 kV, 138 kV, and 161 kV; a set of three pedestals is used for circuit-switchers rated 161 kV and 230 kV.

● Two-pedestal design.

■ Not available.