

Anchor Bolt Matrix with Generic Template Link

Using the correct anchor bolt template is critical when creating the foundation for all anchor base poles. Pole bases differ depending on pole shaft size, pole shaft shape and pole shaft material. The matrix below provides the critical dimensions required to set the AB's correctly. The bolt circle is measured diagonally across the pole base, the base square is the outside measurement of the base plate and the anchor bolt projection is the amount of each AB that must be exposed above the final grade. These generic anchor bolt templates are to provide a guide when creating a template using the measurements from the table and should not be printed and used. The anchor bolt templates that are sent with the pole or anchor bolts will have the correct dimensions on the template. Always check to make sure you received the correct template based on the specific pole before use.

When building the foundation for a Light Pole, it is very important to use the appropriately sized anchor bolts along with the correct anchor bolt template. All our anchor bolts and templates are in stock at our Distribution Centers and are available for next day shipping. Below is a quick reference guide to the anchor bolt template and anchor bolts that are to be used with each type pole.

Pole Family	Pole Description (Pole Family and Shaft Size) <i>Workes for all Pole Thicknesses (gauge)</i> <i>Unless Noted</i>	Template Break-out	"A" Dimension Bolt Circle (in.)	"B" Dimension Bolt Projection (in.)	"C" Dimension Base Plate Square (in.)	Anchor Bolt break-out	Anchor Bolt Size	Generic Template
Square Straight Steel (SSS) Poles	Use With SSS 4" C (11 Gauge) Poles	ABTEMPLATE PJ50004	8.5"	2.75" - 4"	8"	ABSSS-4C	3/4"X18"X3"	4 Bolt
	Use With SSS 4" G (7 Gauge) Poles	ABTEMPLATE PJ50004	8.5"	2.75" - 4"	8"	ABSSS-4G	3/4"X30"X3"	4 Bolt
	Use With SSS 5" Poles	ABTEMPLATE PJ50010	10" - 12"	3.375" - 4"	11"	ABSSS-5	1"X36"X4"	4 Bolt Range
	Use With SSS 6" Poles	ABTEMPLATE PJ50011	11" - 13"	3.375" - 4"	12.5"	AB36-0	1"X36"X4"	4 Bolt Range
Round Tapered Aluminum (RTA) and Round Tapered Aluminum w/ Upsweep Arm (RTAU) Poles	Use With RTA 5" Poles	ABTEMPLATE PJ50032	7.5" - 9.5"	3.25"	9.25"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With RTA 6" Poles	ABTEMPLATE PJ50033	9" - 10"	3.5"	10"	AB30-0	3/4"X30"X3"	4 Bolt Range
	Use With RTA & RTAU 7" Poles	ABTEMPLATE PJ50034	9.875" - 11.25"	4.125"	10.5"	AB36-0	1"X36"X4"	4 Bolt Range
	Use With RTA 10" / 0.188" Wall Thick	ABTEMPLATE PJ50036	14.25" - 16.25"	4.5"	14.5"	AB40-0	1"X40"X4"	4 Bolt Range
	Use With RTA & RTAU 8" Poles	ABTEMPLATE PJ50035	11" - 12"	4.25"	11.5"	AB36-0	1"X36"X4"	4 Bolt Range
Round Straight Aluminum (RSA) Poles & Round Straight Aluminum w/ Low Profile Omero Base Cover (RSALP)	Use With RSA & RSALP 4.5" Poles	ABTEMPLATE PJ50040	7" - 8.5"	3.25"	8.5"	AB18-0	3/4"X18"X3"	4 Bolt Range
Round Straight Steel (RSS) Poles	Use With All Sizes of RSS Poles	ABTEMPLATE PJ50041	8"	3.25" - 3.50"	8"	AB18-0	3/4"X18"X3"	4 Bolt
Round Straight Steel (RSS) Poles	Use With SSA 6" Poles	ABTEMPLATE PJ50044	12" - 13"	4"	12.25"	AB36-0	1"X36"X4"	4 Bolt Range
	Use With SSA 4" Poles	ABTEMPLATE PJ50045	8.5" - 9.625"	3.125"	9.938"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With SSA 5" Poles	ABTEMPLATE PJ50046	10.5" - 11.5"	3.25"	11.563"	AB30-0	3/4"X30"X3"	4 Bolt Range
Square Straight Aluminum Hinged (SSAH) Poles	Use With SSAH 4" Poles	ABTEMPLATE PJ50055	8.5" - 10"	3.5"	11.688"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With SSAH 5" Poles	ABTEMPLATE PJ50056	9.312" - 10"	3.5"	11.688"	AB30-0	3/4"X30"X3"	4 Bolt Range
Round Straight Aluminum (RSA) Poles & Round Straight Aluminum w/ Low Profile Omero Base Cover (RSALP)	Use With RSA & RSALP 4" Poles	ABTEMPLATE PJ50057	6.5" - 8.25"	3.25"	8.75"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With RSA 5" Poles	ABTEMPLATE PJ50058	7.5" - 9.5"	3.25"	9.25"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With RSA 6" Poles	ABTEMPLATE PJ50059	8.75" - 10.25"	3.5"	10.25"	AB30-0	3/4"X30"X3"	4 Bolt Range
Round Straight Aluminum hinged (RSAH) Poles	Use With RSAH 4" Poles	ABTEMPLATE PJ50060	8.5" - 10"	3.5"	12.625"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With RSAH 5" Poles	ABTEMPLATE PJ50061	8.5" - 10"	3.5"	12.625"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With RSAH 6" Poles	ABTEMPLATE PJ50062	8.5" - 10"	3.5"	12.625"	AB30-0	3/4"X30"X3"	4 Bolt Range
Round Tapered Aluminum (RTA) Poles	Use With RTA 10" / 0.250" Wall Thick	ABTEMPLATE PJ50063	14.5" - 16"	5"	14.5"	AB48-0	1 1/4"X48"X5"	4 Bolt Range
Round Straight Aluminum w/ Omero Base Cover (RSAO)	Use With All RSAO Poles	ABTEMPLATE PJ50070	7.5"	3.25"	13"	AB18-0	3/4"X18"X3"	4 Bolt
Round Tapered Aluminum (RTA) Poles	Use With RSALP 5" Poles	ABTEMPLATE PJ50071	7.5" - 8"	3.25"	7.5"	AB18-0	3/4"X18"X3"	4 Bolt Range

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			Bolt Circle (in.)	Bolt Projection (in.)	Base Plate Square (in.)			
Round Tapered Steel (RTS) and Round Tapered Steel w/ Upsweep Arm (RTSU) Poles	Use With RTS & RTSU 6.5" Poles	ABTEMPLATE PJ50074	9.5"	3.5" - 4.25"	10.5"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS & RTSU 5.9" Poles	ABTEMPLATE PJ50075	9"	3.5" - 4.25"	10"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS 7" 7 Gauge Poles	ABTEMPLATE PJ50076	10"	3.75" - 4.5"	10.875"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS & RTSU 7" 11 Gauge	ABTEMPLATE PJ50077	10"	3.5" - 4.25"	10.875"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS 6.6" Poles	ABTEMPLATE PJ50078	9.5"	3.5" - 4.25"	10.5"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS & RTSU 8" 11 Gauge	ABTEMPLATE PJ50079	11"	3.5" - 4.25"	11.5"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS 8" 7 Gauge	ABTEMPLATE PJ50080	11"	4.5" - 5.25"	11.5"	AB42-0	1 1/4"X42"X6"	4 Bolt
	Use With RTS 7-3" Poles	ABTEMPLATE PJ50081	10.5"	3.5" - 4.25"	11.25"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS & RTSU 8.5" Poles	ABTEMPLATE PJ50082	11.5"	3.75" - 4.5"	12"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS 9.5" Poles	ABTEMPLATE PJ50083	13"	3.75" - 4.5"	13"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS 7-8" Poles	ABTEMPLATE PJ50084	11"	3.75" - 4.5"	11.5"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS & RTSU 9" 11 Gauge	ABTEMPLATE PJ50085	12.5"	3.75" - 4.5"	12.375"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTS & RTSU 9" 7 Gauge	ABTEMPLATE PJ50086	12.5"	4.5" - 5.25"	12.375"	AB42-0	1 1/4"X42"X6"	4 Bolt
	Use With RTS 10" 11 Gauge Poles	ABTEMPLATE PJ50087	13.5"	3.75" - 4.5"	14"	AB36-0	1"X36"X4"	4 Bolt
Use With RTS 10" 7 Gauge Poles	ABTEMPLATE PJ50088	13.5"	4.5" - 5.25"	14"	AB42-0	1 1/4"X42"X6"	4 Bolt	
Round Tapered Steel (RTS) and Round Tapered Steel w/ Upsweep Arm (RTSU) Poles	Use With STSH 4" Poles	ABTEMPLATE PJ50091	8.5" - 10"	3.5" - 4.25"	9.75"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With STSH 6.4" Poles	ABTEMPLATE PJ50092	12.5"	3.75" - 4.5"	11.875"	AB36-0	1"X36"X4"	4 Bolt
	Use With STSH 7.1" 7 Gauge Poles	ABTEMPLATE PJ50093	13.5"	4" - 4.75"	12.625"	AB36-0	1"X36"X4"	4 Bolt
	Use With STSH 7.1" 11 Gauge Poles	ABTEMPLATE PJ50094	13.5"	3.5" - 4.25"	12.625"	AB36-0	1"X36"X4"	4 Bolt
Round Tapered Steel (RTS) and Round Tapered Steel w/ Upsweep Arm (RTSU) Poles	Use With STS 5.2B Poles	ABTEMPLATE PJ50095	10.75"	3.5" - 4.25"	10.75"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 5.5F Poles	ABTEMPLATE PJ50096	11"	3.75" - 4.5"	11"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 6.0B Poles	ABTEMPLATE PJ50097	12"	3.5" - 4.25"	11.5"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 6.4F Poles	ABTEMPLATE PJ50098	12.5"	4" - 4.75"	11.875"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 6.4B Poles	ABTEMPLATE PJ50099	12.5"	3.5" - 4.25"	11.875"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 6.8B Poles	ABTEMPLATE PJ50101	13"	3.5" - 4.25"	12.25"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 7.1F Poles	ABTEMPLATE PJ50102	13.5"	4.25" - 5"	12.625"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 7.1B Poles	ABTEMPLATE PJ50103	13.5"	3.5" - 4.25"	12.625"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 7.8F Poles	ABTEMPLATE PJ50105	14.5"	4" - 4.75"	13.375"	AB36-0	1"X36"X4"	4 Bolt
	Use With STS 8.7F Poles	ABTEMPLATE PJ50106	15.75"	4.75" - 5.5"	14.25"	AB42-0	1 1/4"X42"X6"	4 Bolt
Use With STS 8.8F Poles	ABTEMPLATE PJ50107	16"	4.5" - 5.25"	15.5"	AB42-0	1 1/4"X42"X6"	4 Bolt	

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			Bolt Circle (in.)	Bolt Projection (in.)	Base Plate Square (in.)			
Round Tapered Fiberglass (RTF) Poles	Use With RTF 5.4" Poles	ABTEMPLATE PJ50108	8"	3"	7.75"	AB21-0	5/8"X21"X3"	4 Bolt
	Use With RTF 5.6" Poles	ABTEMPLATE PJ50109	8.5"	3"	8.125"	AB21-0	5/8"X21"X3"	4 Bolt
	Use With RTF 5.9" Poles	ABTEMPLATE PJ50110	8.5"	3"	8.125"	AB21-0	5/8"X21"X3"	4 Bolt
	Use With RTF 6.1" Poles	ABTEMPLATE PJ50111	8.5"	3"	8.125"	AB21-0	5/8"X21"X3"	4 Bolt
	Use With RTF 6.6" Poles	ABTEMPLATE PJ50112	9.5"	3"	8.8"	AB21-0	5/8"X21"X3"	4 Bolt
	Use With RTF 6.7" Poles	ABTEMPLATE PJ50113	9.5"	3"	8.8"	AB21-0	5/8"X21"X3"	4 Bolt
	Use With RTF 7.3" Poles	ABTEMPLATE PJ50114	11.5"	4"	11"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTF 8.4" Poles	ABTEMPLATE PJ50115	11.5"	4"	11"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTF 8.5" Poles	ABTEMPLATE PJ50116	11.5"	4"	11"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTF 10.5" Poles	ABTEMPLATE PJ50117	14.5"	4"	13.3"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTF 11.2" Poles	ABTEMPLATE PJ50118	15"	4"	13.5"	AB42-0	1 1/4"X42"X6"	4 Bolt
	Use With RTF 11.7" Poles	ABTEMPLATE PJ50119	15.5"	4"	14"	AB42-0	1 1/4"X42"X6"	4 Bolt
	Use With RTF 11.8" Poles	ABTEMPLATE PJ50120	15.5"	4"	14"	AB42-0	1 1/4"X42"X6"	4 Bolt
	Use With RTF 11.9" Poles	ABTEMPLATE PJ50121	15.5"	4"	14"	AB42-0	1 1/4"X42"X6"	4 Bolt
Use With RTF 12" Poles	ABTEMPLATE PJ50122	15.5"	4"	14"	AB42-0	1 1/4"X42"X6"	4 Bolt	
Square Straight Fiberglass (SSF) Poles	Use With SSF 4" Poles	ABTEMPLATE PJ50123	8"	3"	7.41"	AB21-0	5/8"X21"X3"	4 Bolt
	Use With SSF 5" Poles	ABTEMPLATE PJ50124	11"	4"	11.125"	AB36-0	1"X36"X4"	4 Bolt
3-Bolt Round Straight Aluminum (3RSA) Poles	Use With 3RSA 3" Poles	ABTEMPLATE PJ50125	5.5" - 7"	3.25"	7.5"	AB18-0	3/4"X18"X3"	3 Bolt
	Use With 3RSA 4" Poles	ABTEMPLATE PJ50126	6.312" - 7.375"	3.25"	8.875"	AB18-0	3/4"X18"X3"	3 Bolt
	Use With 3RSA 5" Poles	ABTEMPLATE PJ50127	7.375" - 8.5"	3.25"	10.25"	AB18-0	3/4"X18"X3"	3 Bolt
3-Bolt Round Tapered Aluminum (3RTA) Poles	Use With 3RTA 4" Poles	ABTEMPLATE PJ50128	6.5" - 7.25"	3.25"	8.875"	AB18-0	3/4"X18"X3"	3 Bolt
	Use With 3RTA 5" Poles	ABTEMPLATE PJ50129	7.5" - 8.5"	3.25"	10.25"	AB18-0	3/4"X18"X3"	3 Bolt
Square Straight Aluminum (SSA) Poles	Use With SSA 7" Poles	ABTEMPLATE PJ50130	14.625"	4.125"	15"	AB36-0	1"X36"X4"	4 Bolt
Square Straight Aluminum Cruciform (SSCA) Poles	Use With SSCA 4" Poles	ABTEMPLATE PJ50131	8.5" - 9.625"	3.125"	9.938"	AB18-0	3/4"X18"X3"	4 Bolt Range
	Use With SSCA 6" Poles	ABTEMPLATE PJ50132	12" - 13"	4"	12.75"	AB36-0	1"X36"X4"	4 Bolt Range
Round Tapered Steel w/ Upsweep Arm (RTSU) Poles	Use With RTSU 7.3" Poles	ABTEMPLATE PJ50133	10.5"	3.5" - 4.25"	11.25"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTSU 9.5" Poles	ABTEMPLATE PJ50134	13"	4" - 4.5"	13"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTSU 10" Poles	ABTEMPLATE PJ50135	13.5"	4" - 4.5"	14"	AB36-0	1"X36"X4"	4 Bolt
	Use With RTSU 10.5" Poles	ABTEMPLATE PJ50136	14"	4.5" - 5"	14.5"	AB42-0	1 1/4"X42"X6"	4 Bolt
Round Tapered Aluminum w/ Upsweep Arm (RTAU) Poles	Use With RTAU 10" Poles	ABTEMPLATE PJ50481	14" - 15"	5.25"	14"	AB481-0	1"X48"X4"	4 Bolt Range