



Date: _____ Catalog: No: _____

Prepared By: _____ Project: _____

SQUARE STRAIGHT POLES

Unite is proud to offer a wide range of electro-welded ASTM-A500 Grade C steel poles. All of Unite's poles designed and manufactured in the USA and available to ship in as little as 5 days from our convenient location in the midwest.



ORDERING INFORMATION

Example: UP4SQ - B5 - S11G - 10 - S - BRZ

Pole Series	Mounting	Material	Height	Mounting CFG	Finish	Options
UP4SQ 4"x" Sq Straight	BOM Bolt-On-Mount	S11G 11 Ga Steel	8'	S Single/Parallel	BRZ Bronze	GA Galvanized
UP5SQ 5"x" Sq Straight	B5 5" Traditional Drilling Pattern	(4 and 5 SQ only)	10'	D180 Double	BLK Black	Anchor Bolts
UP6SQ 6"x" Sq Straight	B3 3" Reduced Drilling Pattern	S07G 07 Ga Steel	12'	D90 Double	PLP Bronze	SF Single Flood
	B2 2" Reduced Drilling Pattern		13'	TN90 Double	WHT White	DF Double Flood
	T Tenon Mount		14'	T90 Triple	SVG Satin Verde	DGP DuraGrip®Plus
	I No Mounting Holes		15'	TN120 Triple	Green	LAB Less Anchor Bolts
	Use with:		16'	Q90 Quad	GPT Graphite	CRXX Conduit
	BKA 4ISF & BKA 5ISF		17'	QN90 Quad	MSV Metallic Silver	Raceway
	BKA X4ISF & BKA X5ISF		17' 6"	N Tenon Mount (standard tenon size is 2-3/8" O.D)		
			18'			
			20'			
			22'			
			22' 6"			
			23'			
			24'			
			25'			
			26'			
			27'			
			28'			
			30'			
			32'			
			35'			
			39'			

Footnotes

BOM - See pole selection guide for patterns and fixture matches.

T - See pole selection guide for tenon and fixture/bracket matches.

I - See Area Light Brackets - 3" Reduced Drill Pattern and Area Light Brackets - 5" Traditional Drill Pattern spec sheets. Restriction, Consult Pole Selection Chart.

SF and DF - Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles. Maximum height for SF and DF pole preparations on 20' poles is 13' from the base.

CR - CR selection must indicate required height and side of pole mounting location. Mounting template required at time of order.

Optional Accessory Information

Please contact Unite Ltg for specific part numbers for accessories as options vary greatly dependant upon choices made above. Unite will be pleased to provide detail on all accessories ordered.

Description

4BC - 4" Square Base Cover

5BC - 5" Square Base Cover

6BC - 6" Square Base Cover

ER2 - Weatherproof Duplex Receptacle

GFI - Ground Fault Circuit Receptacle

MH5 - Mounting Hole Plugs for use with 5" traditional drill pattern (3 set of 3 plugs)

MH3 - Mounting Hole Plugs for use with 3" traditional drill pattern (3 set of 3 plugs)

MH2 - Mounting Hole Plugs for use with 2" traditional drill pattern (3 set of 3 plugs)

Description

Vibration Damper - 4" Square Pole (bolt-on mount only)

Vibration Damper - 5" Square Pole (bolt-on mount only)

Vibration Damper - 6" Square Pole (bolt-on mount only)

ABKIT - Standard Anchor Bolt Kit

GABKIT - Galvanized Anchor Bolt Kit

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FEATURES & SPECIFICATIONS

Pole Shaft

- Straight poles are 4", 5", or 6" squares
- Pole shaft is electro-welded ASTM-A500
- Grade C steel tubing with a minimum yield strength of 50,000 psi.
- On Tenon Mount steel poles, tenon is 2-3/8" O.D. high-strength pipe.
- Tenon is 4-3/4" in length.

Hand Hole

- Standard hand-hole location is 12" above pole base. Two-piece square base cover is optional.
- Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

Base

- Pole base is ASTM-A36 hot-rolled steel plate with a minimum yield strength of 36,000 psi.
- Two-piece square base cover is optional.

Anchor Bolts

- Poles are available with anchor bolt featuring zinc-plated double nuts and washers. Galvanized anchor bolts are also available. Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.
- Anchor bolts conform to ASTM F 1554-07 a Grade 55 with a minimum yield strength of 55,000 psi.

Ground Lug

- Ground lug is standard.

Duplex Receptacle

- Weatherproof duplex receptacle is optional.

Ground Fault Circuit Interrupter

- Self-testing Ground fault circuit interrupter is optional.

Pole Vibration Damper

- A pole vibration damper is recommended in open terrain areas of the country where low steady state winds are common.
- Non-tapered poles and lightly loaded poles are more susceptible to destructive vibration if a damper is not installed.

Finishes

- Every pole is provided with a 5-year limited warranty: Poles 22' and above have a 3" x 6" reinforced hand-hole. Shorter poles have a 2" x 4" non-reinforced hand-hole.

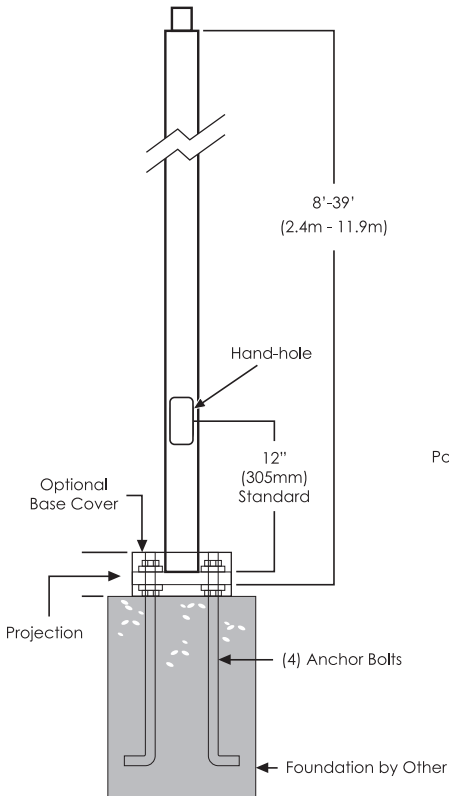
Determining The Luminaire/Pole Combination For Your Application:

- Select luminaire from luminaire ordering information
- Select bracket configuration if required
- Determine EPA value from luminaire/bracket EPA chart
- Select pole height
- Select MPH to match wind speed in the application area (See wind-speed maps).
- Confirm pole EPA equal to or exceeding value of luminaire/bracket EPA
- Consult factory for special wind load requirements and banner brackets

PRODUCT DIMENSIONS

SQT –

N= 2-3/8" (60mm) O.D. x 4-3/4" (121mm) Tenon



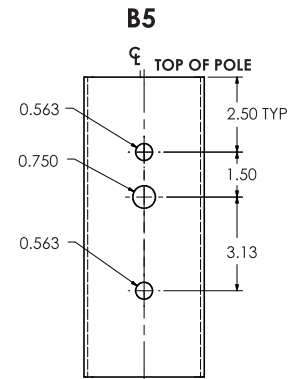
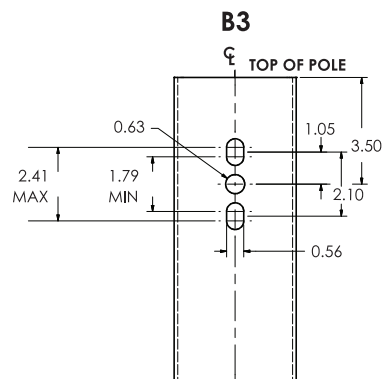
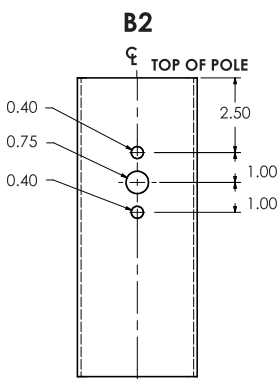
SF –
Single Flood
Pole Preparation



SHIPPING WEIGHTS

4"(102mm) sq. 11 Ga is approximately	7.50 lbs/ft
4"(102mm) sq. 07 Ga is approximately	11.00 lbs/ft
5"(127mm) sq. 11 Ga is approximately	9.00 lbs/ft
5"(127mm) sq. 07 Ga is approximately	12.50 lbs/ft
6"(152mm) sq. 07 Ga is approximately	15.40 lbs/ft
Anchor Bolts (3/4" x 30")(19mm x 762mm)	15 lbs.(7kg)/set

Bolt-On Mount 2-Bolt Pattern



BOLT CIRCLE

4" (102mm) square
10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

5" (127mm) square
10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

5" (127mm) square
10-1/8" (257mm) sq.



11" (279mm) Dia. Bolt Circle

6" (152mm) square
12" (305mm) sq.



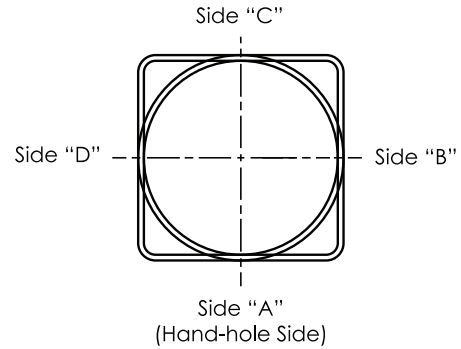
12" (305mm) Dia. Bolt Circle

Bolt Circle Designator	B	C	D	J
Bolt Circle	Slotted 8"-11" (203mm-279mm)	Slotted 9"-11" (229mm-279mm)	Slotted 9"-11" (229mm-279mm)	Slotted 12 (305mm)
Anchor Bolt Size	3/4" x 30" (19mm x 762mm)	3/4" x 30" (19mm x 762mm)	1" x 36" (25mm x 914mm)	1" x 36 (25mm x 914mm)
Anchor Bolt Projection	3-1/4" (83mm)	3-1/4" (83mm)	4" (102mm)	4" (102mm)
Base Plate Opening for Wireway Entry	3-5/8" (92mm)	4-3/4" (121mm)	4-5/8" (117mm)	5-5/8" (143mm)
Base Plate Dimensions	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 3/4" thk. (257mm x 19mm)	10-1/8" sq. x 1" thk. (257mm x 25mm)	12" sq. x 1-1/8" thk. (305mm x 29mm)
Pole Gauge	11	11	7	7

Note: Base plate illustrations may change without notice. Do not use for setting anchor bolts. Consult factory for the appropriate anchor bolt template.

DRILLING LOCATIONS

Sides	A	B	C	D
Hand-hole	X			
Single	X			
D180		X		X
D90	X			X
DN90 ¹				
T90	X	X		X
TN120 ²				
Q90	X	X	X	X
QN90 ³				
Single FBO	X			
Double FBO		X		X



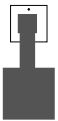
- Two locations will be 45° to the left and right of Side A
- Other two locations will be 120° to the left and right of Side A
- Two locations will be 45° to the left and right of Side A and two

Consult Unitepoles for custom variations.

Standard SF and DF pole preparations are located 3/4 of the height of the pole from the base, except on 20' poles.

Maximum height for SF and DF pole preparations on 20' poles is

FIXTURE CONFIGURATIONS



Single



D90



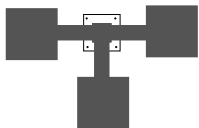
DN90



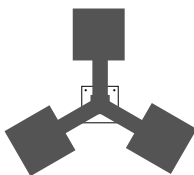
DN180



Parallel



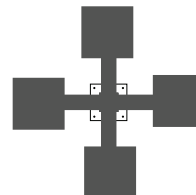
T90



TN120



QN90



Q90

WIND SPEEDS

EPA INFORMATION

All Unitepoles are guaranteed to meet the EPA requirements listed. Unitepoles is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located.

CAUTION:

This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. Unitepoles cannot accept responsibility for harm or damage caused in these situations.

NOTE:

Pole calculations include a 1.3 gust factor over steady wind velocity. Example: poles designed to withstand 80 MPH steady wind will withstand gusts to 104 MPH. EPAs are for locations 100 miles away from hurricane ocean lines. Consult Unitepoles for other areas.

Note: Hurricane ocean lines are the Atlantic and Gulf of Mexico coastal areas. For applications in Florida or Canada, consult factory.

POLE 1	Mtg. Height Length (ft)	Wall Thick (ga)	BOLT CIRCLE			EPA								
			Designator	Dia.(in)	Anchor Bolt Dia. (in)	110 MPH	115 MPH	120 MPH	130 MPH	140 MPH	150 MPH	160 MPH	170 MPH	180 MPH
4" x 11-ga x 12'	12	11	B	8" - 11"	0.75	13.9	12.5	11.3	9.2	7.6	6.3	5.2	4.3	3.6
4" x 11-ga x 14'	14	11	B	8" - 11"	0.75	10.7	9.5	8.5	6.8	5.4	4.4	3.5	2.7	2.1
4" x 11-ga x 16'	16	11	B	8" - 11"	0.75	8.2	7.2	6.4	4.9	3.8	2.9	2.1	1.5	1.0
4" x 11-ga x 18'	18	11	B	8" - 11"	0.75	6.3	5.4	4.7	3.4	2.4	1.6	1.0	0.4	n/a
4" x 11-ga x 20'	20	11	B	8" - 11"	0.75	4.6	3.9	3.2	2.1	1.2	0.6	n/a	n/a	n/a
4" x 11-ga x 22'	22	11	B	8" - 11"	0.75	7.6	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 11-ga x 24'	24	11	B	8" - 11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 11-ga x 26'	26	11	B	8" - 11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7-ga x 14'	14	7	B	8" - 11"	0.75	18.3	16.4	14.9	12.2	10.2	8.5	7.1	5.9	5.0
4" x 7-ga x 16'	16	7	B	8" - 11"	0.75	14.7	13.2	11.8	9.6	7.8	6.3	5.2	4.2	3.4
4" x 7-ga x 18'	18	7	B	8" - 11"	0.75	11.9	10.5	9.3	7.4	5.9	4.6	3.6	2.8	2.1
4" x 7-ga x 20'	20	7	B	8" - 11"	0.75	9.6	8.4	7.4	5.7	4.3	3.2	2.3	1.6	0.9
4" x 7-ga x 22'	22	7	B	8" - 11"	0.75	7.7	6.6	5.7	4.2	3.0	2.0	1.2	0.5	n/a
4" x 7-ga x 24'	24	7	B	8" - 11"	0.75	6.0	5.1	4.3	2.9	1.8	0.9	n/a	n/a	n/a
4" x 7-ga x 26'	26	7	B	8" - 11"	0.75	4.6	3.7	3.0	1.7	0.7	n/a	n/a	n/a	n/a
4" x 7-ga x 28'-2	28	7	B	8" - 11"	0.75	3.3	2.5	1.8	0.7	n/a	n/a	n/a	n/a	n/a
4" x 7-ga x 30'-2	30	7	B	8" - 11"	0.75	2.2	1.4	0.8	n/a	n/a	n/a	n/a	n/a	n/a
5" x 11-ga x 14'	14	11	C	9" - 11"	0.75	17.4	15.7	14.1	11.5	9.3	7.7	6.3	5.2	4.2
5" x 11-ga x 16'	16	11	C	9" - 11"	0.75	13.8	12.3	10.9	8.7	6.9	5.5	4.3	3.3	2.5
5" x 11-ga x 18'	18	11	C	9" - 11"	0.75	10.8	9.6	8.4	6.5	4.9	3.7	2.6	1.8	1.1
5" x 11-ga x 20'	20	11	C	9" - 11"	0.75	8.5	7.3	6.3	4.6	3.2	2.1	1.2	0.5	n/a
5" x 11-ga x 22'	22	11	C	9" - 11"	0.75	10.9	9.5	8.3	6.2	4.5	3.2	2.1	1.2	0.5
5" x 11-ga x 24'	24	11	C	9" - 11"	0.75	8.8	7.5	6.4	4.5	3.0	1.8	0.8	n/a	n/a
5" x 11-ga x 26'	26	11	C	9" - 11"	0.75	6.8	5.7	4.6	3.0	1.6	0.6	n/a	n/a	n/a
5" x 11-ga x 28'	28	11	C	9" - 11"	0.75	5.2	4.1	3.2	1.6	0.4	n/a	n/a	n/a	n/a
5" x 11-ga x 30'	30	11	C	9" - 11"	0.75	3.6	2.7	1.8	0.4	n/a	n/a	n/a	n/a	n/a
5" x 7-ga x 20'	20	7	D	9" - 11"	1.00	21.6	19.3	17.3	14.0	11.3	9.2	7.4	6.0	4.8
5" x 7-ga x 22'	22	7	D	9" - 11"	1.00	20.7	18.6	16.6	13.3	10.7	8.5	6.8	5.4	4.2
5" x 7-ga x 24'	24	7	D	9" - 11"	1.00	17.7	15.6	13.8	10.8	8.5	6.6	5.0	3.7	2.6
5" x 7-ga x 26'	26	7	D	9" - 11"	1.00	14.9	13.1	11.4	8.8	6.6	4.9	3.5	2.3	1.3
5" x 7-ga x 28'	28	7	D	9" - 11"	1.00	12.5	10.9	9.4	6.9	4.9	3.4	2.1	1.0	n/a
5" x 7-ga x 30'	30	7	D	9" - 11"	1.00	10.3	8.9	7.5	5.2	3.4	2.0	0.8	n/a	n/a
5" x 7-ga x 35'	35	7	D	9" - 11"	1.00	6.0	4.8	3.6	1.8	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 24'	24	7	J	12"	1.00	18.6	16.4	14.3	11.2	8.6	6.5	4.8	3.4	2.2
6" x 7-ga x 26'	26	7	J	12"	1.00	15.6	13.4	11.7	8.8	6.5	4.6	3.0	1.8	0.7
6" x 7-ga x 28'	28	7	J	12"	1.00	12.9	10.9	9.3	6.7	4.6	2.8	1.5	n/a	n/a
6" x 7-ga x 30'	30	7	J	12"	1.00	10.4	8.8	7.3	4.8	2.9	1.3	n/a	n/a	n/a
6" x 7-ga x 32'	32	7	J	12"	1.00	8.3	6.8	5.5	3.1	1.3	n/a	n/a	n/a	n/a
6" x 7-ga x 34'	34	7	J	12"	1.00	6.5	5.0	3.7	1.6	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 35'	35	7	J	12"	1.00	5.5	4.2	2.9	0.9	n/a	n/a	n/a	n/a	n/a
6" x 7-ga x 39'	39	7	J	12"	1.00	2.3	1.0	n/a	n/a	n/a	n/a	n/a	n/a	n/a

All Unitepoles are guaranteed to meet the EPA requirements listed. Unitepoles is not responsible if a pole order has a lower EPA rating than the indicated wind-loading zone where the pole will be located. CAUTION: This guarantee does not apply if the pole/bracket/fixture combination is used to support any other items such as flags, pennants, or signs, which would add stress to the pole. Unite Poles cannot accept responsibility for harm or damage caused in these situations.

Poles shorter than these listed here in for each gauge have EPA rating equal to or greater than what is provided in this table.
To Confirm EPA ratings on shorter poles, contact Unitepoles.

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