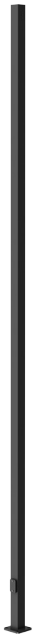
Square Steel Poles

Square Tenon Top Poles



Square Drilled Poles



PROJECT:

DATE:

TYPE:

PREPARED BY:

KEY FEATURES

- Square steel poles designed for ground mounting
- Heavy duty **TGIC** polyester coating
- Reinforced **hand holes** with grounding lug and removable cover for easy wiring access
- Pole caps, base covers, and bolts are sold separately
- Custom manufactured for each application
- **Brown** finish for all available sizes & **black** finish optional for 15/20/25' poles with 11 gauge and 4" shaft

TECHNICAL SPECIFICATIONS

COMPLIANCE

CSA Listed
CSA W47.1
CSA W59
ASTM A123 galvanizing

Environment
Corrosion resistant
Salt spray rating: 5
Not suitable for coastal environments
Operating temperature: -20°C to 50°C

CONSTRUCTION

Pole Type/Shape
Straight square pole

Pole Material
Steel (Q355B)

Finish
Hot-dip galvanized + bronze powder coat
Bronze: AKZO QL10TCC
Black: AKZO QN106CC

Shaft
46,000 p.s.i. minimum yield.

Shaft Size
Available in 4" and 5"

Access Door
Reinforced handhole included. Fuse kit not supported.

Hand Hole Dimensions
3" x 5"

Grounding
Ground lug included with grounding provisions

CONSTRUCTION (*CONT'D*)

Base Type
Anchor base

Base Plates
Slotted base plates 36,000 p.s.i.

Base Dimension
Poles with 4" shaft: 8" X 8"
Poles with 5" shaft: 11" X 11"

Gauge
Available in 7 or 11guage

Height
7 gauge poles: Available in 20 ft, 25 ft and 30 ft height
11 gauge poles: Available in 10 ft, 15 ft, 20 ft, and 25 ft height

Wall Thickness
3/16" (for poles with 7 gauge) & 1/8" (for poles with 11 gauge)

Shipping Protection
All poles are shipped in individual corrugated cartons to prevent finish damage

Arm Configuration
The drilled top poles: Pre-drilled for two fixtures
Tennon top poles: Tennon for slipfitter mount

Deflection
10 ft Poles: ≤L/50, measured deflection: 2.4"
15 ft Poles: ≤L/50, measured deflection: 3.6"
20 ft Poles: ≤L/50, measured deflection: 4.8"
25 ft Poles: ≤L/50, measured deflection: 6.0"
30 ft Poles: ≤L/50, measured deflection: 7.2"

Anchor Bolt:
Anchor bolt kits are sold separately.
(Please refer to the mounting accessory chart)

TECHNICAL SPECIFICATIONS

CONSTRUCTION (*CONT'D*)

Effective Projected Area (EPA) Ratings:

MODEL#	EPA @100mph
PS4-11-10D2 / PS4-11-10WT	2.3
PS4-11-15D2 / PS4-11-15WT	3.7
PS4-11-20D2 / PS4-11-20WT	5.4
PS4-11-25D2 / PS4-11-25WT	7.2
PS4-07-20D2 / PS4-07-20WT	5.4
PS4-07-25D2 / PS4-07-25WT	7.2
PS4-07-30D2 / PS4-07-30WT	9.3
PS5-07-20D2 / PS5-07-20WT	5.4
PS5-07-25D2 / PS5-07-25WT	7.2
PS5-07-30D2 / PS5-07-30WT	9.3
PS4-11B-15D2 / PS4-11B-15WT	3.7
PS4-11B-20D2 / PS4-11B-20WT	5.4
PS4-11B-25D2 / PS4-11B-25WT	7.2

MOUNTING ACCESSORIES

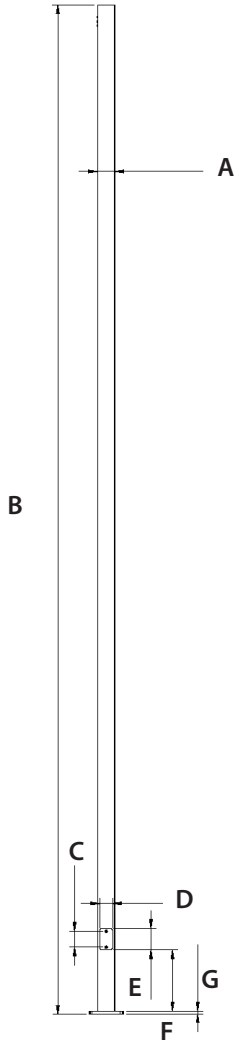
MODEL#	POLE STYLE	ANCHOR BOLT TEMPLATE*	ANCHOR BOLT KIT**	BOLT	BASE COVER
PS4-07-20WT PS4-07-25WT PS4-07-30WT	w/Tenon Top	73660-RAB	ABK4-07-BC-S4	BOLT4/7	BC4
PS5-07-20WT PS5-07-25WT PS5-07-30WT	w/Tenon Top	73662-RAB	ABK5-BC-S5	BOLT5-8	BC5
PS4-11-10WT PS4-11-15WT and PS4-11B-15WT PS4-11-20WT and PS4-11B-20WT PS4-11-25WT and PS4-11B-25WT	w/Tenon Top	73660-RAB	ABK4-11-BC-S4	BOLT4/11	BC4
PS4-07-20D2 PS4-07-25D2 PS4-07-30D2	w/Drilled Top	73660-RAB	ABK4-07-BCK-S4	BOLT4/7	BCK-S4
PS5-07-20D2 PS5-07-25D2 PS5-07-30D2	w/Drilled Top	73662-RAB	ABK5-BCK-S5	BOLT5-8	BCK-S5
PS4-11-10D2 PS4-11-15D2 and PS4-11B-15D2 PS4-11-20D2 and PS4-11B-20D2 PS4-11-25D2 and PS4-11B-25D2	w/Drilled Top	73660-RAB	ABK4-11-BCK-S4	BOLT4/11	BCK-S4

** WARNING Template must be printed on 11" x 17" sheet for actual size. CHECK SCALE BEFORE USING. Templates shipped with anchor bolts and available online.*
*** Anchor bolt kits not available for the poles with black finish*

Square Steel Poles

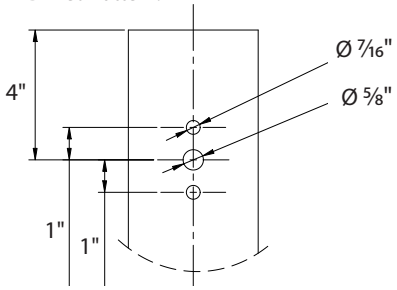
DIMENSIONS

Square Steel Poles- Drilled



MODEL#	A	B	C	D	E	F	G
BRONZE POLES:							
PS4-11-10D2	4" X 4"	10'	3 ¾"	3"	5"	¾"	14 ½"
PS4-11-15D2	4" X 4"	15'	3 ¾"	3"	5"	¾"	14 ½"
PS4-11-20D2	4" X 4"	20'	3 ¾"	3"	5"	¾"	14 ½"
PS4-11-25D2	4" X 4"	25'	3 ¾"	3"	5"	¾"	14 ½"
PS4-07-20D2	4" X 4"	20'	3 ¾"	3"	5"	¾"	14 ½"
PS4-07-25D2	4" X 4"	25'	3 ¾"	3"	5"	¾"	14 ½"
PS4-07-30D2	4" X 4"	30'	3 ¾"	3"	5"	¾"	14 ½"
PS5-07-20D2	5" X 5"	20'	3 ¾"	3"	5"	1"	14 ½"
PS5-07-25D2	5" X 5"	25'	3 ¾"	3"	5"	1"	14 ½"
PS5-07-30D2	5" X 5"	30'	3 ¾"	3"	5"	1"	14 ½"
BLACK POLES:							
PS4-11B-15D2	4" X 4"	15'	3 ¾"	3"	5"	¾"	14 ½"
PS4-11B-20D2	4" X 4"	20'	3 ¾"	3"	5"	¾"	14 ½"
PS4-11B-25D2	4" X 4"	25'	3 ¾"	3"	5"	¾"	14 ½"

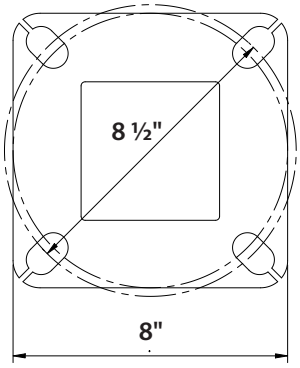
Drilled Pattern:



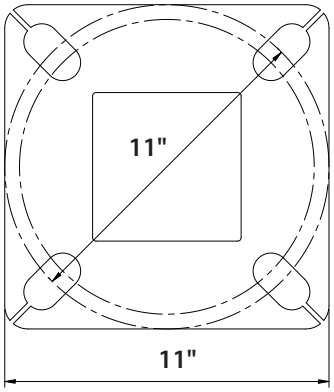
MODEL#	Pole Weight	Shipping Weight
BRONZE POLES:		
PS4-11-10D2	72.5 lbs	85.7 lbs
PS4-11-15D2	116.8 lbs	134.5 lbs
PS4-11-20D2	147.7 lbs	174.2 lbs
PS4-11-25D2	198.4 lbs	222.7 lbs
PS4-07-20D2	193.8 lbs	220.0 lbs
PS4-07-25D2	239.5 lbs	272.5 lbs
PS4-07-30D2	285.2 lbs	324.8 lbs
PS5-07-20D2	256.0 lbs	291.7 lbs
PS5-07-25D2	314.0 lbs	349.5 lbs
PS5-07-30D2	371.5 lbs	415.6 lbs
BLACK POLES:		
PS4-11B-15D2	116.8 lbs	134.5 lbs
PS4-11B-20D2	147.7 lbs	174.2 lbs
PS4-11B-25D2	198.4 lbs	222.7 lbs

Flange dimensions:

Poles with 4" shaft:



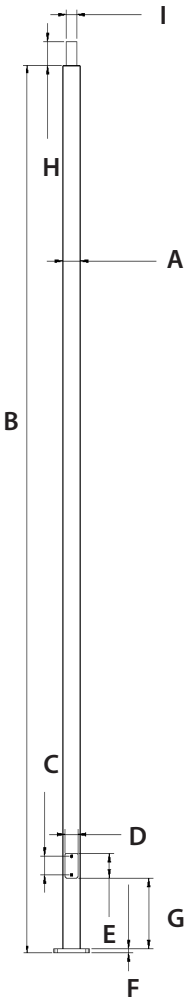
Poles with 5" shaft:



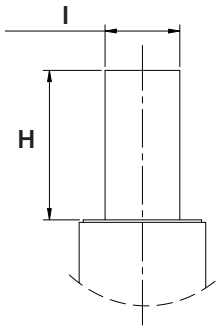
Square Steel Poles

DIMENSIONS

Square Steel Poles - Tennon Top

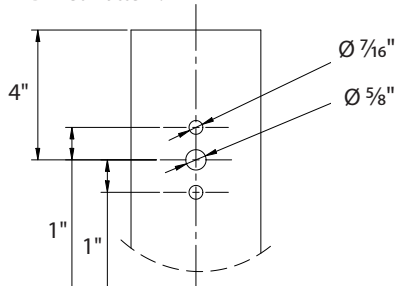


Tennon Top:



MODEL#	A	B	C	D	E	F	G	H	I
BRONZE POLES:									
PS4-11-10WT	4" X 4"	10'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS4-11-15WT	4" X 4"	15'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS4-11-20WT	4" X 4"	20'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS4-11-25WT	4" X 4"	25'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS4-07-20WT	4" X 4"	20'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS4-07-25WT	4" X 4"	25'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS4-07-30WT	4" X 4"	30'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS5-07-20WT	5" X 5"	20'	3 ¾"	3"	5"	1"	14 ½"	4 ¾"	2 ⅜"
PS5-07-25WT	5" X 5"	25'	3 ¾"	3"	5"	1"	14 ½"	4 ¾"	2 ⅜"
PS5-07-30WT	5" X 5"	30'	3 ¾"	3"	5"	1"	14 ½"	4 ¾"	2 ⅜"
BLACK POLES:									
PS4-11B-15WT	4" X 4"	15'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS4-11B-20WT	4" X 4"	20'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"
PS4-11B-25WT	4" X 4"	25'	3 ¾"	3"	5"	¾"	14 ½"	4 ¾"	2 ⅜"

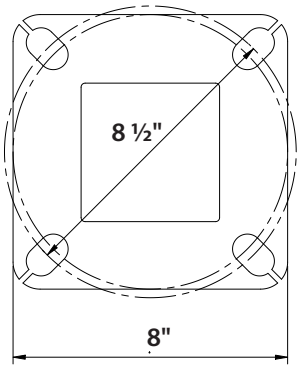
Drilled Pattern:



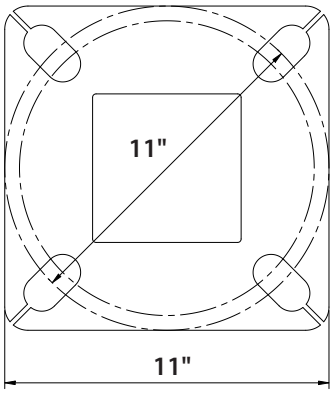
MODEL#	Pole Weight	Shipping Weight
BRONZE POLES:		
PS4-11-10WT	74.6 lbs	88.0 lbs
PS4-11-15WT	121.3 lbs	138.9 lbs
PS4-11-20WT	152.1 lbs	178.6 lbs
PS4-11-25WT	202.8 lbs	227.1 lbs
PS4-07-20WT	196.0 lbs	222.2 lbs
PS4-07-25WT	241.8 lbs	274.8 lbs
PS4-07-30WT	287.5 lbs	327.1 lbs
PS5-07-20WT	259.0 lbs	294.7 lbs
PS5-07-25WT	316.6 lbs	352.0 lbs
PS5-07-30WT	374.5 lbs	418.5 lbs
BLACK POLES:		
PS4-11B-15WT	121.3 lbs	138.9 lbs
PS4-11B-20WT	152.1 lbs	178.6 lbs
PS4-11B-25WT	202.8 lbs	227.1 lbs

Flange dimensions:

Poles with 4" shaft:



Poles with 5" shaft:



ACCESSORIES

ACCESSORY	UPC	DESCRIPTION	Weight
ANCHOR BOLT KITS (Template, Anchor bolt, Base Cover AND Pole Cap)			
ABK4-07-BCK-S4	192552069724	P4" SQ ANCHOR BOLT KIT WITH 73660-RAB BOLT4/7 BCK-S4	23.0 lbs
ABK4-11-BCK-S4	192552069762	P4" SQ ANCHOR BOLT KIT WITH 73660-RAB BOLT4/11 BCK-S4	20.0 lbs
ABK5-BCK-S5	192552069786	P5" SQ ANCHOR BOLT KIT WITH 73662-RAB BOLT5-8 BCK-S5	49.0 lbs
ANCHOR BOLT KITS (Template, Anchor bolt AND Base cover)			
ABK5-BC-S5	192552069779	P5" SQ ANCHOR BOLT KIT WITH 73662-RAB BOLT5-8 BC5	50.0 lbs
POLE ADAPTORS			
BTA4-XL	019813503172	AREA LIGHTS TENON ADAPTOR ALED UNIVERSAL FOUR FIXTURES BRONZE	7.5 lbs
BTA4	019813013398	AREA LIGHTS TENON ADAPTOR AL AND ALX UNIVER WITH PLUGS 4 FIXTURES BRONZE	5.0 lbs
BAD4	019813178462	POLE ADAPTOR FOR 2 ⅜" TENON TO 4" SQ POLE WITH HARDWARE	6.5 lbs
BAD5	019813178677	POLE ADAPTOR FOR 2 ⅜" TENON TO 5" SQ POLE WITH HARDWARE	9.7 lbs
BAD6	019813178684	POLE ADAPTOR FOR 2 ⅜" TENON TO 6" SQ POLE	14.7 lbs
POLE BASE COVERS			
BC4	019813017990	BASE COVER 4" SQUARE STEEL POLE 2PCS STEEL WITH (4) SCREWS	2.8 lbs
BC4/B	192552070058	BASE COVER 4" SQUARE STEEL POLE 2PCS WITH (4) SCREWS BLACK	5.8 lbs
BC5	019813018003	BASE COVER 5" SQUARE STEEL POLE 2PCS STEEL WITH (4) SCREWS	7.8 lbs
POLE BASE COVER AND CAP KITS			
BCK-S4	019813831114	4" SQUARE 7 AND 11 GUAGE POLE BASE COVER AND CAP KIT BRONZE	4.4 lbs
BCK-S4/B	192552070041	4" SQUARE 7 AND 11 GUAGE POLE BASE COVER AND CAP KIT BLACK	4.4 lbs
BCK-S5	019813742663	5" SQUARE POLE BASE COVER AND CAP KIT BRONZE	6.8 lbs
HAND HOLE COVERS			
HHC4	019813013503	HAND HOLE COVER 4" AND 5" SQUARE STEEL POLE 3" X 5" BRONZE	0.3 lbs
HHC4/B	192552070065	HAND HOLE COVER 4" AND 5" SQUARE STEEL POLE 3" X 5" BLACK	0.3 lbs
BOLT KITS			
BOLT4/11	019813742588	POLES ANCHOR BOLT KIT ¾ X 18 ¾ FOR 4" 11-GAUGE ROUND AND SQUARE BRONZE	10.1 lbs
BOLT4/7	019813742595	POLES ANCHOR BOLT KIT ¾ X 30 FOR 4" 7-GAUGE ROUND AND SQUARE BRONZE	15.7 lbs
BOLT5-8	019813742632	POLES ANCHOR BOLT KIT 1 X 36 FOR 5/6/7/8" ROUND AND SQUARE BRONZE	33.2 lbs