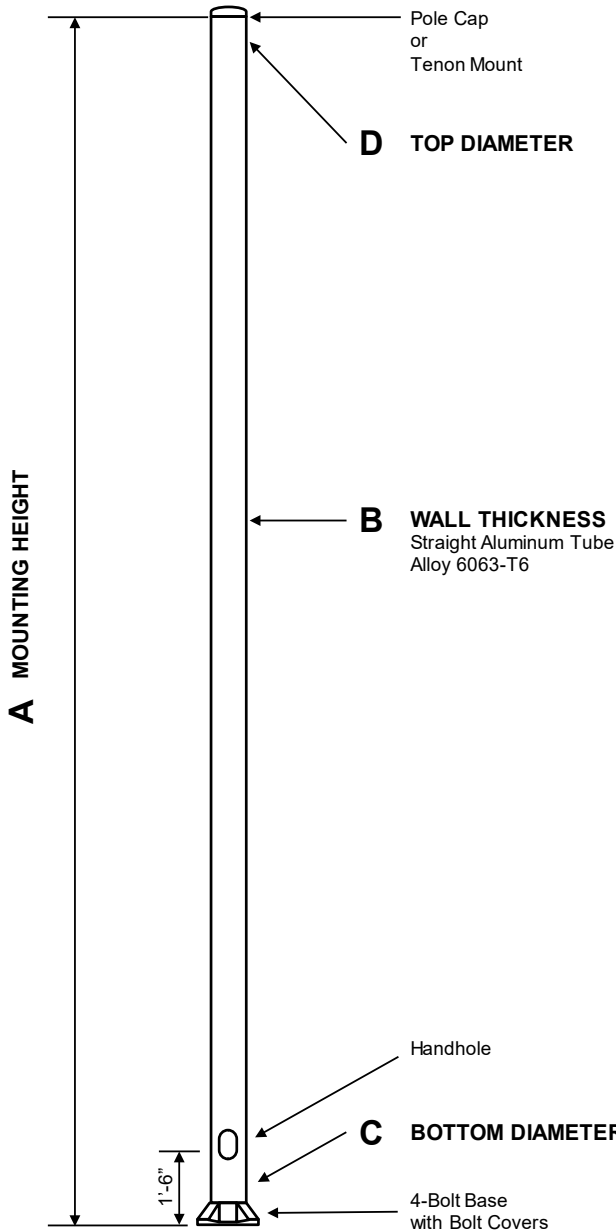


## RSA - Round Straight Aluminum Pole Anchor Base



C	D	F	G	H	I
BUTT DIA.	TOP DIA.	BOLT CIR. DIA.	BASE SQ.	BOLT PROJ.	BOLT SIZE
4	4	6.5 - 8	7.5	2	.75 x 17 x 3
5	5	7.5 - 8	7.5	2	.75 x 17 x 3
6	6	9 - 10	9.75	2.75	.75 x 30 x 3
7	7	10 - 11	10.5	2.75	1 x 36 x 4
8	8	11 - 12	11.25	2.75	1 x 36 x 4
9	9	12.5 - 14	12.75	2.75	1 x 36 x 4
10 Up To 250°	10	14 - 15	14	3.25	1 x 48 x 4
10 .312"	10	14 - 15	14	3.25	1.25 x 48 x 6

**POLE**

The pole shaft is constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The shaft assembly shall be full-length heat treated after base weld to produce a T6 temper.

**BASE STYLE**

4-Bolt Cast Aluminum Base Flange of Alloy 356-T6 with Aluminum Bolt Covers (Alloy 356-F) and Stainless Steel Hex Head Attaching Screws.

**ANCHORAGE**

Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153. Kits will contain four (4) Hex Nuts, four (4) Lock Washers, and four (4) Flat Washers (all components Galvanized Steel). A bolt circle template will be provided.

**HANDHOLE**

**4"-5" Butt Diameter** - 2" x 4" Handhole with curved Lap Style Aluminum Door and two (2) SS Self-Tapping Attaching Screws. A Grounding Provision incorporating a tapped 1/4"-20NC hole is provided.

**6" Butt Diameter** - Reinforced, 3" x 5" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. A Grounding Provision incorporating a 3/8" diameter hole is provided opposite the Handhole.

**7"+ Butt Diameter** - Reinforced, 4" x 6" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. Reinforced Frame will contain a tapped 3/8"-16NC Grounding Provision.

**BASE STYLE**

**Side Drill Mount**  
Luminaire type, quantity, and orientation information must be provided for Side Drill Mount applications. A luminaire drilling template must also be supplied at time of order.

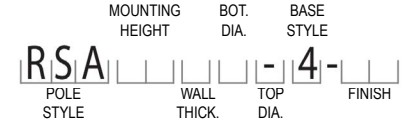
**Tenon Mount - Welded or Spun**  
For Tenon Mount applications specify both Tenon diameter (2.375", 2.875", 3.5", etc.) and length (3", 4", etc.). Tenon style is factory option. Welded Tenons can be specified.

## RSA - Round Straight Aluminum Pole Anchor Base

A MTG HGT	B WALL THICKNESS	C BASE DIAMETER	TOTAL FIXTURE WEIGHT	MAXIMUM EPA					ORDER NUMBER
				90	100	110	120	130	
08	0.125	4	100	11.4	9.0	8.3	6.8	5.6	SON-RSA08B4-4**
10	0.125	4	100	8.1	6.2	5.7	4.6	3.7	SON-RSA10B4-4**
10	0.125	5	100	15.8	12.4	11.6	9.6	8.2	SON-RSA10B5-4**
12	0.125	4	70	6.0	4.4	4.0	3.1	2.3	SON-RSA12B4-4**
12	0.125	5	100	12.0	9.4	8.6	7.2	6.0	SON-RSA12B5-4**
12	0.156	5	100	15.4	12.0	11.2	9.2	7.8	SON-RSA12C5-4**
12	0.188	5	100	18.6	14.6	13.6	11.2	9.5	SON-RSA12D5-4**
14	0.125	4	40	4.4	3.1	2.7	1.9	1.3	SON-RSA14B5-4**
14	0.125	5	100	9.2	7.0	6.4	5.2	4.4	SON-RSA14B5-4**
14	0.156	5	100	12.0	9.2	8.6	7.0	5.8	SON-RSA14C5-4**
14	0.188	5	100	14.8	11.4	10.6	8.8	7.4	SON-RSA14D5-4**
16	0.125	4	40	3.1	2.0	1.7	1.0	-	SON-RSA16B4-4**
16	0.125	5	100	7.1	5.1	4.7	3.8	3.1	SON-RSA16B5-4**
16	0.156	5	100	9.4	7.0	6.5	5.3	4.4	SON-RSA16C5-4**
16	0.188	5	100	11.8	9.0	8.2	6.8	5.6	SON-RSA16D5-4**
16	0.156	6	100	19.2	15.4	14.4	11.8	10.0	SON-RSA16C6-4**
16	0.188	6	100	23.8	19.0	17.6	14.6	12.4	SON-RSA16D6-4**
18	0.125	5	60	5.4	3.6	3.3	2.6	2.0	SON-RSA18B5-4**
18	0.156	5	100	7.2	5.2	4.8	3.8	3.1	SON-RSA18C5-4**
18	0.188	5	100	9.2	6.8	6.2	5.1	4.2	SON-RSA18D5-4**
18	0.188	6	100	19.6	15.6	14.6	12.0	10.0	SON-RSA18D6-4**
20	0.125	5	40	3.8	2.3	2.1	1.5	1.1	SON-RSA20B5-4**
20	0.156	5	60	5.6	3.7	3.4	2.6	2.1	SON-RSA20C5-4**
20	0.188	5	95	7.2	5.0	4.6	3.7	3.0	SON-RSA20D5-4**
20	0.125	6	100	9.4	7.4	6.8	5.6	4.6	SON-RSA20B6-4**
20	0.156	6	100	12.8	10.2	9.4	7.6	6.4	SON-RSA20C6-4**
20	0.188	6	100	16.2	12.8	12.0	9.8	8.2	SON-RSA20D6-4**
20	0.156	7	100	20.0	15.8	14.8	12.2	10.2	SON-RSA20C7-4**
20	0.188	7	100	24.6	19.6	18.4	15.2	12.8	SON-RSA20D7-4**
20	0.156	8	100	28.2	22.4	21.0	17.4	14.6	SON-RSA20C8-4**
20	0.188	8	100	34.4	27.6	25.6	21.4	18.0	SON-RSA20D8-4**
25	0.156	6	100	7.4	5.6	5.2	4.1	3.3	SON-RSA25C6-4**
25	0.188	6	100	10.0	7.6	7.1	5.7	4.6	SON-RSA25D6-4**
25	0.156	7	100	13.0	10.2	9.4	7.6	6.3	SON-RSA25C7-4**
25	0.188	7	100	16.4	13.0	12.0	9.8	8.2	SON-RSA25D7-4**
25	0.156	8	100	19.2	15.2	14.2	11.6	9.8	SON-RSA25C8-4**
25	0.188	8	100	24.0	19.0	17.8	14.6	12.2	SON-RSA25D8-4**
25	0.219	8	100	28.6	22.8	21.2	17.6	14.8	SON-RSA25E8-4**
25	0.250	8	100	33.0	26.4	24.4	20.4	17.2	SON-RSA25F8-4**
30	0.188	6	60	5.6	4.2	3.8	2.9	2.2	SON-RSA30D6-4**
30	0.156	7	100	8.0	6.0	5.6	4.4	3.5	SON-RSA30C7-4**
30	0.188	7	100	10.8	8.4	7.7	6.2	5.0	SON-RSA30D7-4**
30	0.156	8	100	13.2	10.2	9.4	7.6	6.3	SON-RSA30C8-4**
30	0.188	8	100	17.0	13.4	12.4	10.0	8.4	SON-RSA30D8-4**
30	0.219	8	100	20.6	16.2	15.0	12.4	10.4	SON-RSA30E8-4**
30	0.250	8	100	24.0	19.0	17.8	14.6	12.2	SON-RSA30F8-4**
30	0.188	9	100	23.8	18.8	17.6	14.4	11.6	SON-RSA30D9-4**
30	0.250	9	100	33.0	26.2	24.4	20.2	16.4	SON-RSA30F9-4**
30	0.188	10	100	31.4	25.2	23.2	18.6	15.0	SON-RSA30D1-4**
35	0.156	8	100	8.6	6.4	6.0	4.7	3.8	SON-RSA35C8-4**
35	0.188	8	100	11.8	9.0	8.4	6.6	5.4	SON-RSA35D8-4**
35	0.219	8	100	14.6	11.4	10.6	8.6	7.0	SON-RSA35E8-4**
35	0.250	8	100	17.6	13.8	12.8	10.4	8.6	SON-RSA35F8-4**
35	0.188	9	100	17.4	13.6	12.6	10.2	7.8	SON-RSA35D9-4**
35	0.250	9	100	25.0	19.8	18.4	15.0	12.0	SON-RSA35F9-4**
35	0.188	10	100	24.0	19.0	17.4	13.6	10.6	SON-RSA35D1-4**
35	0.219	10	100	28.8	22.8	21.0	16.6	13.2	SON-RSA35E1-4**
35	0.250	10	100	33.6	26.8	24.4	19.6	15.8	SON-RSA35F1-4**
35	0.312	10	100	37.0	29.6	27.2	22.0	17.8	SON-RSA35G1-4**
40	0.188	8	80	7.6	5.8	5.2	4.0	3.1	SON-RSA40D8-4**
40	0.219	8	100	10.0	7.6	7.0	5.6	4.4	SON-RSA40E8-4**
40	0.250	8	100	12.6	9.6	8.8	7.0	5.8	SON-RSA40F8-4**
40	0.188	9	100	12.6	9.6	9.0	7.0	5.0	SON-RSA40D9-4**
40	0.250	9	100	19.0	14.8	13.8	11.0	8.4	SON-RSA40F9-4**
40	0.188	10	100	18.2	14.2	12.8	9.6	7.2	SON-RSA40D1-4**
40	0.219	10	100	22.2	17.4	16.0	12.2	9.4	SON-RSA40E1-4**
40	0.250	10	100	26.2	20.8	19.0	14.8	11.6	SON-RSA40F1-4**
40	0.312	10	100	29.4	23.4	21.4	16.8	13.4	SON-RSA40G1-4**

### ORDER NUMBER SEQUENCE

The order numbers for SONARAY poles uses the following identification sequence:



### ORDER NUMBER EXAMPLE

SON RSA 20 B 5 - 4 - BA

*Round Straight Aluminum, 20' Mounting Height, 0.125" Wall Thickness, 5" Bottom Diameter, 4.5" Top Diameter, 4-Bolt Base, Black Powder Coat Finish*

### WALL THICKNESS

- B = 0.125"
- C = 0.156"
- D = 0.188"
- E = 0.219"
- F = 0.250"
- G = 0.312"

### BOTTOM DIAMETER

- 4 = 4"
- 5 = 5"
- 6 = 6"
- 7 = 7"
- 8 = 8"
- 9 = 9"
- 1 = 10"

### TOP DIAMETER

- = No Taper

### BASE STYLE

4 = 4-Bolt Base

### FINISH

- 01 = Satin Aluminum
- BA = Black Powder Coat
- BH = White Powder Coat
- BM = Dark Bronze Powder Coat
- BV = Dark Green Powder Coat
- GC = Gray Powder Coat
- \*\* = Specify Finish

### EPA NOTES

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 AASHTO LTS-5 using a 25 year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.