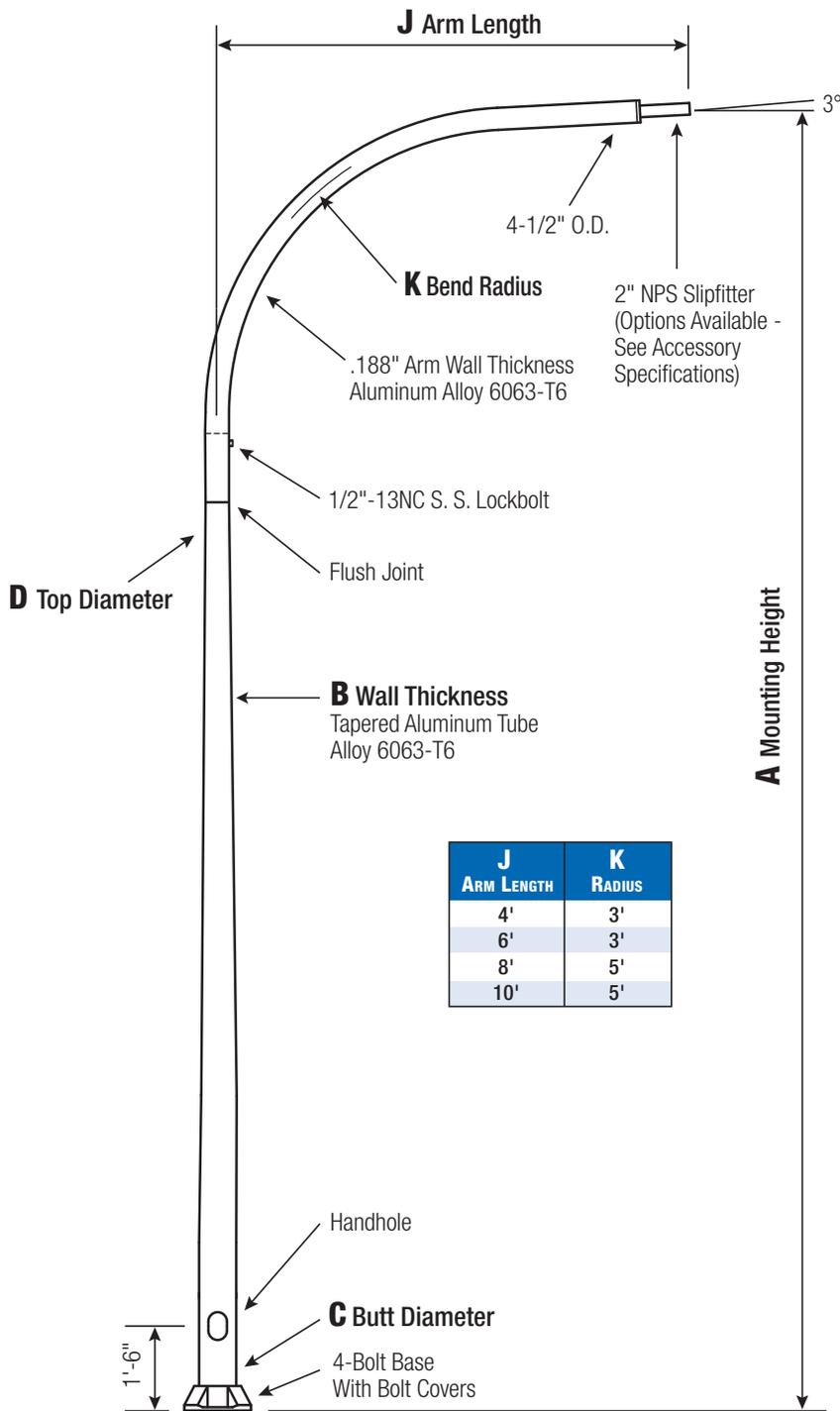


RTA

Round Tapered Aluminum Pole with Arms Single Davit — 4-Bolt Base



J ARM LENGTH	K RADIUS
4'	3'
6'	3'
8'	5'
10'	5'

Satin Aluminum or Powder Coated Finish per Customer Specification.

C BUTT DIA.	D TOP DIA.	F BOLT CIR. DIA.	G BASE SQ.	H BOLT PROJ.	I BOLT SIZE
6	4.5	9 - 10	9.75	2.75	1 x 36 x 4
7	4.5	10 - 11	10.5	2.75	1 x 36 x 4
8	4.5	11 - 12	11.25	2.75	1 x 36 x 4
10	6	14 - 15	14	3.25	1 x 48 x 4

Dimensions in Inches

Pole

Shaft and arm will be 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.



Handhole

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.

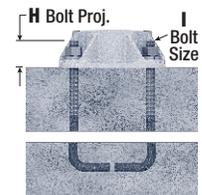
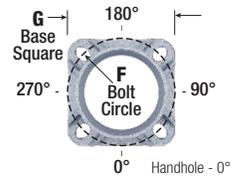
7"+ Butt Diameters - Reinforced, 4" x 6" curved Cast Aluminum Frame (Alloy 356-T6) with Aluminum Door and two (2) SS Hex Head Screws. Reinforced Frame will contain a tapped 3/8"-16NC Grounding Provision.



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.



Vibration Damper

When determined necessary by Hapco, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.



WARNING: Do not install light pole without luminaire.

A Mtg. Hgt.	B WALL THICKNESS	C BUTT DIAMETER	J ARM LENGTH	LUM. WEIGHT	MAXIMUM EPA					OLD CAT. NUMBER	CATALOG NUMBER
					90	100	110	120	130		
20	0.156"	6	4'	35	12.4	9.2	8.4	6.4	5.0	41-031	RTA20C6B4D14-**
20	0.156"	6	6'	35	11.2	8.2	7.4	5.6	4.2	41-032	RTA20C6B4D16-**
20	0.156"	6	8'	35	10.2	7.2	6.5	4.8	3.5	41-033	RTA20C6B4D18-**
20	0.188"	6	4'	35	15.6	11.8	10.8	8.6	6.8	41-001	RTA20D6B4D14-**
20	0.188"	6	6'	35	14.4	10.8	9.8	7.6	5.9	41-002	RTA20D6B4D16-**
20	0.188"	6	8'	35	13.2	9.8	8.8	6.8	5.1	41-003	RTA20D6B4D18-**
25	0.156"	6	4'	35	7.4	5.0	4.4	3.1	2.1		RTA25C6B4D14-**
25	0.156"	6	6'	35	6.6	4.3	3.7	2.4	1.4		RTA25C6B4D16-**
25	0.156"	6	8'	35	5.8	3.6	3.1	1.8	0.9		RTA25C6B4D18-**
25	0.156"	6	10'	35	4.8	2.8	2.2	1.0	-		RTA25C6B4D1A-**
25	0.156"	7	4'	35	12.4	9.2	8.2	6.2	4.8	41-103	RTA25C7B4D14-**
25	0.156"	7	6'	35	11.4	8.2	7.4	5.5	4.1	41-104	RTA25C7B4D16-**
25	0.156"	7	8'	35	10.4	7.5	6.6	4.8	3.4	41-105	RTA25C7B4D18-**
25	0.156"	7	10'	35	9.3	6.4	5.6	3.8	2.5	41-106	RTA25C7B4D1A-**
25	0.156"	8	10'	35	5.7	3.8	3.3	2.1	1.2		RTA25C8B4D1A-**
25	0.188"	6	4'	35	10.0	7.0	6.4	4.7	3.4	41-073	RTA25D6B4D14-**
25	0.188"	6	6'	35	9.0	6.3	5.6	4.0	2.8	41-074	RTA25D6B4D16-**
25	0.188"	6	8'	35	8.2	5.6	4.9	3.4	2.2	41-075	RTA25D6B4D18-**
25	0.188"	6	10'	35	7.2	4.6	4.0	2.5	1.4	41-076	RTA25D6B4D1A-**
25	0.188"	7	4'	35	16.0	12.0	10.8	8.4	6.7	41-079	RTA25D7B4D14-**
25	0.188"	7	6'	35	14.8	11.0	10.0	7.6	5.9	41-080	RTA25D7B4D16-**
25	0.188"	7	8'	35	13.8	10.2	9.2	7.0	5.3	41-081	RTA25D7B4D18-**
30	0.156"	6	4'	35	3.8	2.0	1.5	0.5	-		RTA30C6B4D14-**
30	0.156"	6	6'	35	3.2	1.3	0.9	-	-		RTA30C6B4D16-**
30	0.156"	6	8'	35	2.6	0.8	-	-	-		RTA30C6B4D18-**
30	0.156"	7	4'	35	7.8	5.2	4.6	3.2	2.1	41-145	RTA30C7B4D14-**
30	0.156"	7	6'	35	7.0	4.6	3.9	2.5	1.4	41-146	RTA30C7B4D16-**
30	0.156"	7	8'	35	6.4	4.0	3.4	2.0	0.9	41-147	RTA30C7B4D18-**
30	0.156"	7	10'	35	5.5	3.1	2.5	1.2	-	41-148	RTA30C7B4D1A-**
30	0.156"	8	4'	35	10.6	7.9	7.1	5.3	4.1	41-175	RTA30C8B4D14-**
30	0.156"	8	6'	35	8.5	6.1	5.5	3.9	2.9	41-176	RTA30C8B4D16-**
30	0.156"	8	8'	35	6.7	4.7	4.1	2.9	1.9	41-177	RTA30C8B4D18-**
30	0.156"	8	10'	35	4.8	3.1	2.6	1.5	0.6	41-178	RTA30C8B4D1A-**
30	0.188"	6	4'	35	5.8	3.6	3.0	1.8	1.0		RTA30D6B4D14-**
30	0.188"	6	6'	35	5.1	3.0	2.4	1.2	-		RTA30D6B4D16-**
30	0.188"	6	8'	35	4.5	2.4	1.8	0.7	-		RTA30D6B4D18-**
30	0.188"	6	10'	35	3.6	1.6	1.1	-	-		RTA30D6B4D1A-**
30	0.188"	7	4'	35	10.6	7.6	6.8	5.0	3.6	41-151	RTA30D7B4D14-**
30	0.188"	7	6'	35	9.8	6.8	6.0	4.2	3.0	41-152	RTA30D7B4D16-**
30	0.188"	7	8'	35	9.2	6.2	5.4	3.6	2.4	41-153	RTA30D7B4D18-**
30	0.188"	8	4'	35	15.7	11.9	10.9	8.6	6.7	41-157	RTA30D8B4D14-**
30	0.188"	8	6'	35	13.8	10.5	9.6	7.3	5.7	41-158	RTA30D8B4D16-**
30	0.188"	8	8'	35	11.5	8.5	7.7	5.7	4.3	41-159	RTA30D8B4D18-**
30	0.188"	8	10'	35	9.0	6.5	5.7	3.9	2.7	41-160	RTA30D8B4D1A-**
35	0.156"	7	4'	35	4.3	2.2	1.7	0.6	-		RTA35C7B4D14-**
35	0.156"	7	6'	35	3.6	1.6	1.1	-	-		RTA35C7B4D16-**
35	0.156"	7	8'	35	3.1	1.2	0.6	-	-		RTA35C7B4D18-**
35	0.156"	8	4'	35	8.2	5.5	4.8	3.2	2.0	41-223	RTA35C8B4D14-**
35	0.156"	8	6'	35	6.7	4.5	3.7	2.3	1.3	41-224	RTA35C8B4D16-**
35	0.156"	8	8'	35	5.3	3.3	2.7	1.5	0.9	41-225	RTA35C8B4D18-**
35	0.188"	8	4'	35	11.4	8.0	7.1	5.2	3.8	41-229	RTA35D8B4D14-**
35	0.188"	8	6'	35	10.4	7.3	6.4	4.5	3.1	41-230	RTA35D8B4D16-**
35	0.188"	8	8'	35	9.8	6.7	5.8	4.0	2.6	41-231	RTA35D8B4D18-**
35	0.188"	8	10'	35	7.7	5.1	4.3	2.7	1.5	41-232	RTA35D8B4D1A-**
35	0.219"	8	4'	35	14.2	10.4	9.2	7.0	5.4	41-235	RTA35E8B4D14-**
35	0.219"	8	6'	35	13.4	9.6	8.6	6.4	4.7	41-236	RTA35E8B4D16-**
35	0.219"	8	8'	35	12.6	9.0	8.0	5.8	4.2	41-237	RTA35E8B4D18-**
35	0.219"	8	10'	35	11.3	8.1	7.1	5.0	3.4	41-238	RTA35E8B4D1A-**
35	0.250"	8	4'	35	17.2	12.6	11.4	8.8	6.8	41-241	RTA35F8B4D14-**
35	0.250"	8	6'	35	16.2	11.8	10.8	8.2	6.2	41-242	RTA35F8B4D16-**
35	0.250"	8	8'	35	15.6	11.2	10.0	7.6	5.7	41-243	RTA35F8B4D18-**
35	0.250"	8	10'	35	13.9	10.2	9.2	6.7	4.9	41-244	RTA35F8B4D1A-**
40	0.156"	8	4'	35	4.7	2.5	1.9	0.7	-		RTA40C8B4D14-**
40	0.156"	8	6'	35	4.1	1.9	1.3	-	-		RTA40C8B4D16-**
40	0.156"	8	8'	35	3.4	1.3	0.8	-	-		RTA40C8B4D18-**
40	0.188"	8	6'	35	6.7	4.0	3.3	1.8	0.8	41-326	RTA40D8B4D16-**
40	0.188"	8	8'	35	6.2	3.5	2.8	1.3	-	41-327	RTA40D8B4D18-**
40	0.188"	10	6'	35	15.5	11.5	10.4	8.0	5.9	41-362	RTA40D1C4D16-**
40	0.188"	10	10'	35	11.7	8.3	7.5	5.1	3.5	41-364	RTA40D1C4D1A-**
40	0.219"	8	4'	35	9.8	6.6	5.8	4.0	2.7	41-331	RTA40E8B4D14-**
40	0.219"	8	6'	35	9.2	6.0	5.2	3.4	2.1	41-332	RTA40E8B4D16-**
40	0.219"	8	8'	35	8.6	5.5	4.7	2.9	1.7	41-333	RTA40E8B4D18-**
40	0.250"	8	4'	35	12.2	8.6	7.6	5.6	4.0	41-337	RTA40F8B4D14-**
40	0.250"	8	6'	35	11.6	8.0	7.0	4.8	3.4	41-338	RTA40F8B4D16-**
40	0.250"	8	8'	35	11.0	7.4	6.4	4.4	3.0	41-339	RTA40F8B4D18-**
40	0.250"	8	10'	35	10.0	6.6	5.7	3.7	2.2	41-340	RTA40F8B4D1A-**

Catalog Number System

The catalog number for Hapco poles utilizes the following identification system.



Catalog Number Example -

RTA 30 D 8 B 4 D 16 - 01

Round Tapered Aluminum, 30' Mounting Height, .188" Wall Thickness, 8" Butt Diameter, 4.5" Top Diameter, 4-Bolt Base, Davit Arm, Single, 6' Arm Length, Satin Aluminum Finish.

Wall Thickness

- C = .156"
- D = .188"
- E = .219"
- F = .250"

Butt Diameter

- 6 = 6"
- 7 = 7"
- 8 = 8"
- 1 = 10"

Top Diameter

- B = 4.5"
- C = 6"

Base Style

- 4 = 4-Bolt Base

Arm Style

- D = Davit

Arm Quantity

- 1 = Single

Arm Length

- 4 = 4'
- 6 = 6'
- 8 = 8'
- A = 10'

Finish

- O1 = 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.