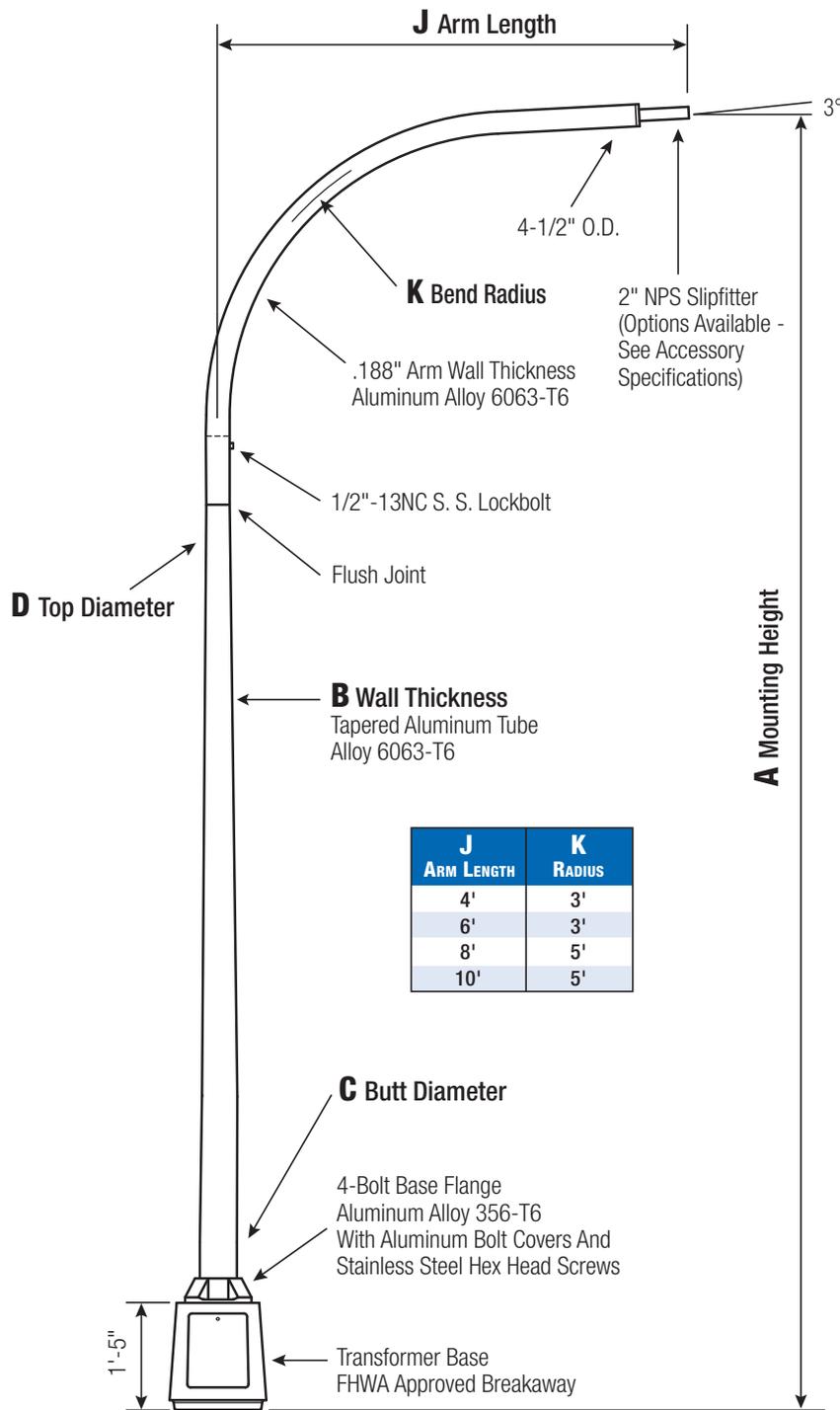


RTA

Round Tapered Aluminum Pole with Arms Single Davit — Breakaway T-Base



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
7	4.5	12	13.0625	3.5	1 x 36 x 4
8	4.5	15	15.375	3.5	1 x 36 x 4
10	6	15	15.375	3.5	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

Cast Aluminum Transformer Base (T-Base) of Alloy 356-T6 with Aluminum Door and Stainless Steel Hex Head Screw. FHWA Approved Breakaway.



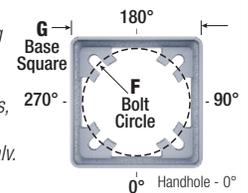
Handhole

7"-10" Butt Diameters - Tapered Door Opening (9-3/4" W Base x 9-1/4" W Top x 11-3/4" H) with Flush Mount Aluminum Cover and Stainless Steel Hex Head Screw. Grounding Provisions tapped 1/4"-20NC and 1/2"-13NC are provided.

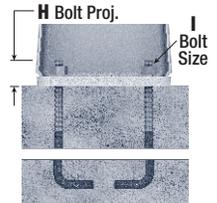


Anchorage

Base Anchorage includes four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M314-90 Grade 55, four (4) each Heavy-Duty Flat Washers, Lock Washers, and Hex Nuts (all components Galv. Steel). Ten inches (10") of threaded end will be galvanized per ASTM A153.



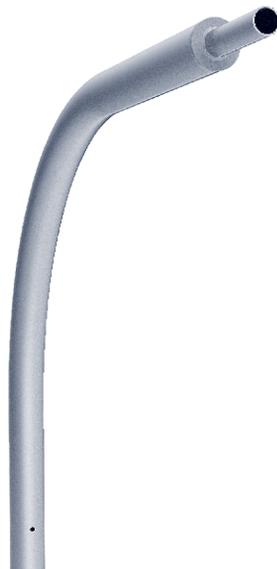
Top Connecting Hardware includes four (4) each 1"-8NC x 3-3/4" Hex Head Bolts, Flat Washers, Heavy-Duty Flat Washers, Lock Washers, and Hex Nuts (all components Galv. Steel). A bolt circle template will be provided.



Vibration Damper

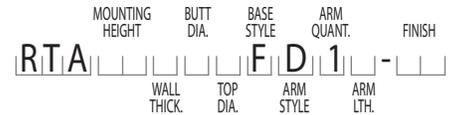
When determined necessary by Hapco, a Vibration Damper will be factory-installed inside the pole shaft. Customer specification of the damper is available.

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"	7	4'	35	18.4	14.2	13.0	10.4	8.5	43-025	RTA20C7BFD14-**-
20	0.156"	7	6'	35	16.1	12.5	11.5	9.3	7.3	43-026	RTA20C7BFD16-**-
20	0.156"	7	8'	35	13.4	10.2	9.3	7.1	5.5	43-027	RTA20C7BFD18-**-
25	0.156"	7	4'	35	12.4	9.2	8.2	6.4	4.9	43-103	RTA25C7BFD14-**-
25	0.156"	7	6'	35	11.4	8.2	7.4	5.6	4.1	43-104	RTA25C7BFD16-**-
25	0.156"	7	8'	35	10.4	7.5	6.7	4.9	3.5	43-105	RTA25C7BFD18-**-
25	0.188"	7	4'	35	15.8	12.0	10.8	8.6	6.8	43-079	RTA25D7BFD14-**-
25	0.188"	7	6'	35	14.8	11.0	10.0	7.6	6.0	43-080	RTA25D7BFD16-**-
25	0.188"	7	8'	35	13.8	10.2	9.2	7.0	5.3	43-081	RTA25D7BFD18-**-
30	0.156"	7	4'	35	8.0	5.4	4.8	3.3	2.2	43-145	RTA30C7BFD14-**-
30	0.156"	7	6'	35	7.2	4.8	4.0	2.6	1.6	43-146	RTA30C7BFD16-**-
30	0.156"	7	8'	35	6.6	4.2	3.5	2.1	1.1	43-147	RTA30C7BFD18-**-
30	0.188"	7	4'	35	10.8	7.6	6.8	5.0	3.8	43-151	RTA30D7BFD14-**-
30	0.188"	7	6'	35	10.0	7.0	6.2	4.4	3.1	43-152	RTA30D7BFD16-**-
30	0.188"	7	8'	35	9.2	6.3	5.5	3.8	2.6	43-153	RTA30D7BFD18-**-
30	0.156"	8	4'	35	9.8	7.3	6.5	4.9	3.7	43-175	RTA30C8BFD14-**-
30	0.156"	8	6'	35	7.9	5.7	5.1	3.7	2.7	43-176	RTA30C8BFD16-**-
30	0.156"	8	8'	35	6.1	4.3	3.8	2.6	1.7	43-177	RTA30C8BFD18-**-
30	0.156"	8	10'	35	4.4	2.7	2.3	1.2	-	43-178	RTA30C8BFD1A-**-
30	0.188"	8	4'	35	15.0	11.6	10.8	8.5	6.7	43-157	RTA30D8BFD14-**-
30	0.188"	8	6'	35	12.8	9.7	8.8	6.7	5.1	43-158	RTA30D8BFD16-**-
30	0.188"	8	8'	35	10.6	7.9	7.1	5.3	3.9	43-159	RTA30D8BFD18-**-
30	0.188"	8	10'	35	8.4	5.9	5.1	3.7	2.6	43-160	RTA30D8BFD1A-**-
35	0.156"	8	4'	35	7.9	5.5	4.7	3.3	2.1	43-223	RTA35C8BFD14-**-
35	0.156"	8	6'	35	6.3	4.1	3.5	2.3	1.3	43-224	RTA35C8BFD16-**-
35	0.156"	8	8'	35	4.9	3.1	2.5	1.5	0.9	43-225	RTA35C8BFD18-**-
35	0.188"	8	4'	35	11.4	8.2	7.3	5.4	3.9	43-229	RTA35D8BFD14-**-
35	0.188"	8	6'	35	10.5	7.5	6.6	4.7	3.3	43-230	RTA35D8BFD16-**-
35	0.188"	8	8'	35	9.2	6.5	5.7	3.9	2.5	43-231	RTA35D8BFD18-**-
35	0.188"	8	10'	35	7.1	4.7	3.9	2.5	1.5	43-232	RTA35D8BFD1A-**-
35	0.219"	8	4'	35	14.4	10.4	9.4	7.2	5.4	43-235	RTA35E8BFD14-**-
35	0.219"	8	6'	35	13.6	9.8	8.8	6.5	4.8	43-236	RTA35E8BFD16-**-
35	0.219"	8	8'	35	12.5	9.2	8.1	5.9	4.3	43-237	RTA35E8BFD18-**-
35	0.219"	8	10'	35	11.2	8.1	7.1	4.9	3.3	43-238	RTA35E8BFD1A-**-
40	0.188"	8	4'	35	7.4	4.8	4.2	2.8	1.7	43-325	RTA40D8BFD14-**-
40	0.188"	8	6'	35	6.6	4.1	3.5	2.1	1.0	43-326	RTA40D8BFD16-**-
40	0.188"	8	8'	35	6.4	3.7	3.0	1.6	0.5	43-327	RTA40D8BFD18-**-
40	0.219"	8	4'	35	10.0	6.8	6.0	4.2	2.9	43-331	RTA40E8BFD14-**-
40	0.219"	8	6'	35	9.4	6.2	5.4	3.6	2.3	43-332	RTA40E8BFD16-**-
40	0.219"	8	8'	35	8.8	5.7	4.9	3.1	1.8	43-333	RTA40E8BFD18-**-
40	0.219"	8	10'	35	7.9	4.9	4.1	2.4	1.1	43-334	RTA40E8BFD1A-**-
40	0.250"	8	4'	35	12.4	8.8	7.8	5.8	4.2	43-337	RTA40F8BFD14-**-
40	0.250"	8	6'	35	11.6	8.0	7.2	5.0	3.6	43-338	RTA40F8BFD16-**-
40	0.250"	8	8'	35	11.0	7.6	6.6	4.6	3.1	43-339	RTA40F8BFD18-**-
40	0.250"	8	10'	35	10.2	6.8	5.9	3.8	2.4	43-340	RTA40F8BFD1A-**-
45	0.250"	10	4'	35	19.0	14.4	13.0	10.0	7.8	43-433	RTA45F1CFD14-**-
45	0.250"	10	6'	35	18.2	13.6	12.4	9.4	7.1	43-434	RTA45F1CFD16-**-
45	0.250"	10	8'	35	17.8	13.0	11.8	9.0	6.7	43-435	RTA45F1CFD18-**-
45	0.250"	10	10'	35	16.1	11.9	10.8	8.2	5.9	43-436	RTA45F1CFD1A-**-



Catalog Number System

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



Catalog Number Example -

RTA 30 D 8 B F D 16 - 01

Round Tapered Aluminum, 30' Mounting Height, .188" Wall Thickness, 8" Butt Diameter, 4.5' Top Diameter, Breakaway T-Base, Davit Arm, Single, 6' Arm Length, Satin Aluminum Finish.

Wall Thickness

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

Butt Diameter

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

Top Diameter

- B = 4.5"
- C = 6"

Base Style

- F = Breakaway T-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.