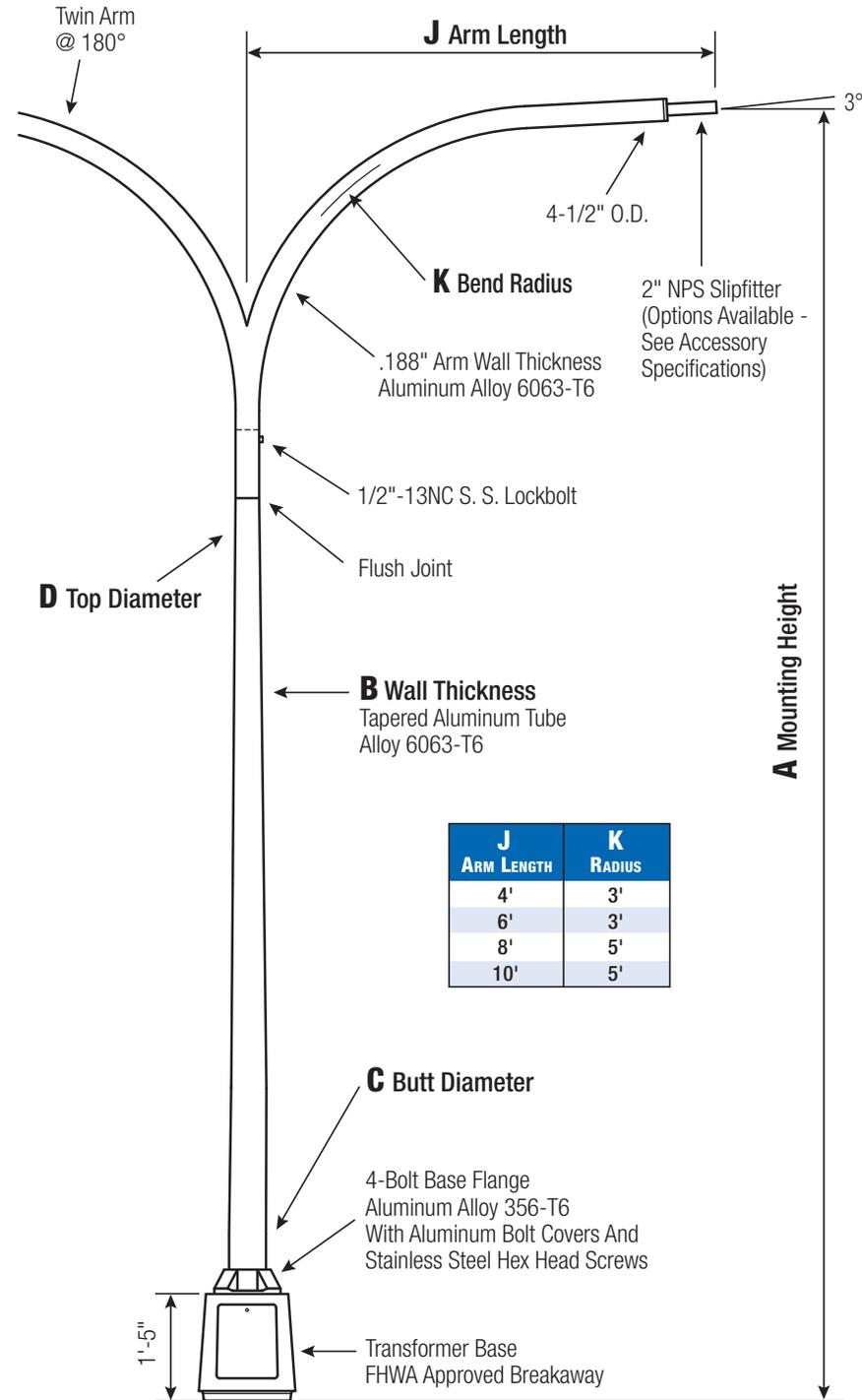


RTA

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



Satin Aluminum or Powder Coated Finish per Customer Specification.

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

Pole

Shaft and arms 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.



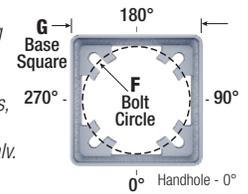
Handhole

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.

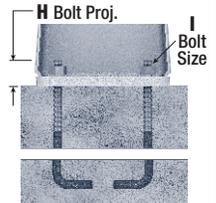


Anchorage

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.

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

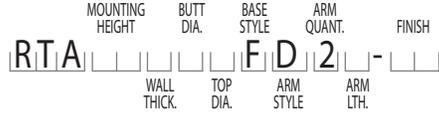
Dimensions in Inches

A Mtg. Hgt.	B WALL THICKNESS	C BUTT DIAMETER	J ARM LENGTH	LUM. WEIGHT	MAXIMUM EPA PER ARM					OLD CAT. NUMBER	CATALOG NUMBER
					90	100	110	120	130		
20	0.156"	7	4'	35	9.0	6.8	6.2	4.8	3.8	44-025	RTA20C7BFD24-**-
20	0.156"	7	6'	35	8.6	6.4	5.7	4.3	3.3	44-026	RTA20C7BFD26-**-
20	0.156"	7	8'	35	8.0	5.8	5.1	3.7	2.7	44-027	RTA20C7BFD28-**-
20	0.188"	7	4'	35	11.4	8.7	8.0	6.3	5.0	44-007	RTA20D7BFD24-**-
20	0.188"	7	6'	35	10.8	8.2	7.4	5.8	4.5	44-008	RTA20D7BFD26-**-
20	0.188"	7	8'	35	10.2	7.6	6.8	5.2	3.9	44-009	RTA20D7BFD28-**-
25	0.156"	7	4'	35	5.6	4.0	3.5	2.5	1.8	44-103	RTA25C7BFD24-**-
25	0.156"	7	6'	35	5.2	3.5	3.0	2.0	1.3	44-104	RTA25C7BFD26-**-
25	0.188"	7	4'	35	7.4	5.4	4.8	3.6	2.7	44-079	RTA25D7BFD24-**-
25	0.188"	7	6'	35	6.9	4.9	4.4	3.1	2.2	44-080	RTA25D7BFD26-**-
25	0.188"	7	8'	35	6.2	4.2	3.7	2.5	1.6	44-081	RTA25D7BFD28-**-
30	0.156"	8	4'	35	4.9	3.5	3.1	2.1	1.5	44-175	RTA30C8BFD24-**-
30	0.156"	8	6'	35	4.5	2.9	2.5	1.7	1.1	44-176	RTA30C8BFD26-**-
30	0.188"	8	4'	35	7.5	5.4	4.9	3.6	2.6	44-157	RTA30D8BFD24-**-
30	0.188"	8	6'	35	7.0	4.9	4.3	3.1	2.1	44-158	RTA30D8BFD26-**-
30	0.188"	8	8'	35	6.3	4.2	3.6	2.4	1.4	44-159	RTA30D8BFD28-**-
30	0.188"	8	10'	35	5.7	3.6	3.0	1.8	0.8	44-160	RTA30D8BFD2A-**-
30	0.219"	8	4'	35	9.2	6.8	6.2	4.7	3.6	44-163	RTA30E8BFD24-**-
30	0.219"	8	6'	35	8.8	6.3	5.6	4.2	3.1	44-164	RTA30E8BFD26-**-
30	0.219"	8	8'	35	8.0	5.6	5.0	3.5	2.4	44-165	RTA30E8BFD28-**-
30	0.219"	8	10'	35	7.4	5.0	4.4	2.9	1.8	44-166	RTA30E8BFD2A-**-
30	0.250"	8	4'	35	11.0	8.2	7.4	5.8	4.6	44-169	RTA30F8BFD24-**-
30	0.250"	8	6'	35	10.4	7.7	7.0	5.2	4.0	44-170	RTA30F8BFD26-**-
30	0.250"	8	8'	35	9.8	7.0	6.2	4.6	3.3	44-171	RTA30F8BFD28-**-
30	0.250"	8	10'	35	9.2	6.4	5.6	4.0	2.7	44-172	RTA30F8BFD2A-**-
35	0.188"	8	4'	35	4.9	3.2	2.8	1.8	1.1	44-229	RTA35D8BFD24-**-
35	0.219"	8	4'	35	6.4	4.4	3.9	2.8	1.9	44-235	RTA35E8BFD24-**-
35	0.219"	8	6'	35	5.8	3.9	3.4	2.2	1.4	44-236	RTA35E8BFD26-**-
35	0.219"	8	8'	35	5.2	3.2	2.7	1.5	0.7	44-237	RTA35E8BFD28-**-
35	0.250"	8	4'	35	7.8	5.6	5.0	3.7	2.7	44-241	RTA35F8BFD24-**-
35	0.250"	8	6'	35	7.2	5.0	4.4	3.1	2.2	44-242	RTA35F8BFD26-**-
35	0.250"	8	8'	35	6.6	4.4	3.8	2.4	1.5	44-243	RTA35F8BFD28-**-
35	0.250"	8	10'	35	5.9	3.7	3.1	1.8	0.8	44-244	RTA35F8BFD2A-**-
35	0.250"	10	8'	35	14.0	10.6	9.6	7.4	5.6	44-261	RTA35F1CFD28-**-
35	0.250"	10	10'	35	13.4	10.0	9.0	6.7	5.0	44-262	RTA35F1CFD2A-**-
40	0.219"	10	4'	35	9.6	7.0	6.4	4.8	3.7	44-367	RTA40E1CFD24-**-
40	0.219"	10	6'	35	9.2	6.6	6.0	4.4	3.1	44-368	RTA40E1CFD26-**-
40	0.219"	10	8'	35	8.4	6.0	5.2	3.7	2.4	44-369	RTA40E1CFD28-**-
40	0.219"	10	10'	35	7.8	5.3	4.6	3.0	1.8	44-370	RTA40E1CFD2A-**-
40	0.250"	10	4'	35	11.6	8.6	7.9	6.2	4.8	44-373	RTA40F1CFD24-**-
40	0.250"	10	6'	35	11.0	8.2	7.4	5.6	4.2	44-374	RTA40F1CFD26-**-
40	0.250"	10	8'	35	10.4	7.6	6.8	5.0	3.6	44-375	RTA40F1CFD28-**-
40	0.250"	10	10'	35	9.8	6.9	6.2	4.3	2.9	44-376	RTA40F1CFD2A-**-
45	0.250"	10	8'	35	7.6	5.2	4.5	3.0	1.8	44-435	RTA45F1CFD28-**-
45	0.250"	10	10'	35	3.3	1.8	1.4	0.5	-	44-436	RTA45F1BFD2A-**-



Catalog Number System

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



Catalog Number Example -

RTA 30 D 8 B F D 2 6 - 01

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

Base Style

- F = Breakaway T-Base

Arm Style

- D = Davit

Arm Quantity

- 2 = Double

Arm Length

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

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.