

DESIGN RTHA/RSHA

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Pole Shaft Specifications

The shaft is spun tapered from all new seamless 6063 alloy aluminum tubing and heat-treated to produce a T6 temper. Each shaft has a 6" long straight section at the top which may be drilled to manufacturer's specifications for mounting luminaires.* The shaft is gracefully cone tapered to the butt diameter.

*We reserve the right to use a pole top adaptor for the use of direct mounting of fixtures as deemed necessary.

Anchor Base

Cast from A356 alloy aluminum, the anchor base shall be heat-treated to produce a T6 condition. The shaft shall be inserted into the anchor base casting. The anchor base casting and shaft shall be joined by a continuous circumferential weld at the outside top and inside bottom of the anchor base. The base has a hinge pin to allow lowering of the pole to maintain luminaires.

Round Tapered Aluminum Hinged Poles

Catalog No.	Mounting Height (Ft.)	*Effective Projected Area (Sq. Ft.)				Shaft Size		Wall Thickness	Bolt Circle (")	Bolt Size (")	Base Plate Size (Diameter)
		80	90	100	120	Butt (")	Top (")				
RTHA-4381	8	13.3	10.3	8.2	5.0	4	3	.125	7.5 - 9	.75 x 28	10 x 10
RTHA-43101	10	10.0	7.4	5.7	3.4	4	3	.125	7.5 - 9	.75 x 28	10 x 10
RTHA-53101	10	16.1	12.4	9.9	6.2	5	3	.125	7.5 - 9	.75 x 28	10 x 10
RTHA-43121	12	7.2	5.3	3.9	2.0	4	3	.125	7.5 - 9	.75 x 28	10 x 10
RTHA-53121	12	12.5	9.5	7.4	4.7	5	3	.125	7.5 - 9	.75 x 28	10 x 10
RTHA-43141	14	5.3	3.8	2.7	1.6	4	3	.125	7.5 - 9	.75 x 28	10 x 10
RTHA-53151	15	8.6	6.6	5.0	3.3	5	3	.125	7.5 - 9	.75 x 28	10 x 10
RTHA-53152	15	11.1	8.4	6.8	4.5	5	3	.156	7.5 - 9	.75 x 28	10 x 10
RTHA-53181	18	5.7	4.1	3.0	1.8	5	3	.125	7.5 - 9	.75 x 28	10 x 10
RTHA-53182	18	7.7	5.6	4.2	2.6	5	3	.156	7.5 - 9	.75 x 28	10 x 10
RTHA-63182	18	11.6	9.3	7.4	4.7	6	3	.156	7.5 - 9	.75 x 28	10 x 10
RTHA-53202	20	6.2	4.3	3.0	1.0	5	3	.156	7.5 - 9	.75 x 28	10 x 10
RTHA-63202	20	10.0	7.5	5.8	3.7	6	3	.156	7.5 - 9	.75 x 28	10 x 10

Round Straight Aluminum Hinged Poles

Catalog No.	Mounting Height (Ft.)	*Effective Projected Area (Sq. Ft.)				Shaft Dia. (")	Wall Thickness	Bolt Circle (")	Bolt Size (")	Base Plate Size (Diameter)
		80	90	100	120					
RSHA-481	8	11.1	8.7	6.7	4.7	4	.125	7.5 - 9	.75 x 28	10 x 10
RSHA-4101	10	8.5	6.5	4.9	3.2	4	.125	7.5 - 9	.75 x 28	10 x 10
RSHA 5101	10	13.8	10.7	8.2	6.0	5	.125	7.5 - 9	.75 x 28	10 x 10
RSHA-4121	12	6.6	5.0	3.7	2.1	4	.125	7.5 - 9	.75 x 28	10 x 10
RSHA-5121	12	10.9	8.4	6.3	4.4	5	.125	7.5 - 9	.75 x 28	10 x 10
RSHA-4141	14	5.2	3.9	2.7	1.4	4	.125	7.5 - 9	.75 x 28	10 x 10
RSHA-5141	14	8.8	6.7	4.9	3.5	5	.125	7.5 - 9	.75 x 28	10 x 10
RSHA-5161	16	7.2	5.3	3.7	2.4	5	.125	7.5 - 9	.75 x 28	10 x 10
RSHA-5162	16	9.4	7.0	5.1	3.4	5	.156	7.5 - 9	.75 x 28	10 x 10
RSHA-5163	16	11.6	8.8	6.5	4.4	5	.188	7.5 - 9	.75 x 28	10 x 10
RSHA-5182	18	7.8	5.7	4.0	2.5	5	.156	7.5 - 9	.75 x 28	10 x 10
RSHA 5183	18	9.8	7.3	5.3	3.3	5	.188	7.5 - 9	.75 x 28	10 x 10
RSHA 5201	20	4.7	3.2	1.9	1.0	5	.125	7.5 - 9	.75 x 28	10 x 10
RSHA 5203	20	8.2	6.0	4.1	2.6	5	.188	7.5 - 9	.75 x 28	10 x 10
RSHA-6203	20	12.8	9.5	6.8	4.9	6	.188	7.5 - 9	.75 x 28	10 x 10

*EPA ratings include 1.3 gust factor.

Anchor bolts should be set using factory supplied anchor bolt templates.

Round Tapered/Straight Aluminum Hinged Poles 8-20 Ft.