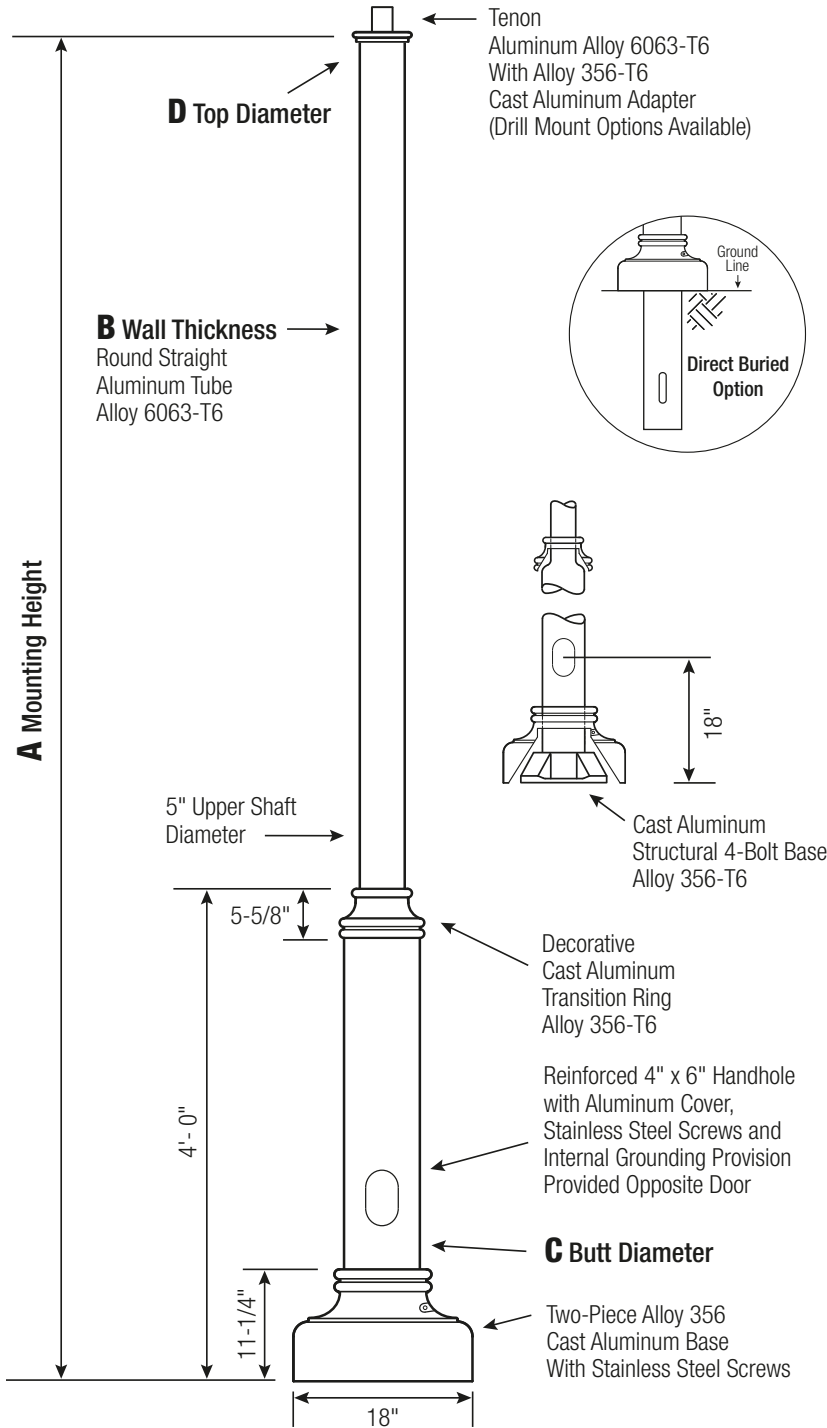


STAFFORD 18

HYBRID CLAMSHELL - STRAIGHT ROUND ALUMINUM POLE

8 To 5



Powder Coated Finish per Customer Specification.

| C | D | F | G | H | I |
|-----------|----------|----------------|-----------|------------|------------|
| BUTT DIA. | TOP DIA. | BOLT CIR. DIA. | BASE DIA. | BOLT PROJ. | BOLT SIZE |
| 8 | 5 | 11 - 12 | 11.25 | 2.75 | 1 x 36 x 4 |

Dimensions in Inches

Clamshell Base

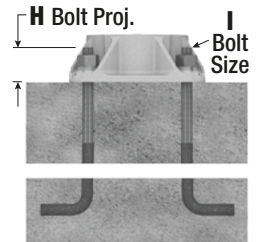
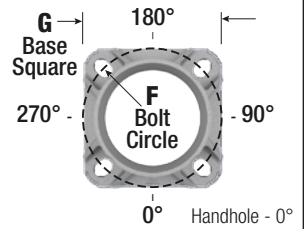
Cast Aluminum, 2-Piece Decorative Base of Alloy 356 per ASTM B26 or B108 with stainless steel attaching hardware. A decorative, Cast Aluminum Transition Ring of Alloy 356 will be welded in place around the neck-down section of the pole shaft.

Pole

The pole shaft will be constructed of seamless extruded tube of 6063 Aluminum Alloy per the requirements of ASTM B221. The 4-Bolt Cast Aluminum Base Flange will be of Alloy 356-T6. The pole shaft shall be joined to the base by means of a complete circumferential weld in accordance with AWS Specification D1.2. The shaft assembly shall be full-length heat treated after base weld to produce a T6 temper.

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.



Note: All STAFFORD 18 pole options may be specified in designs utilizing Direct Buried Options.

Handhole

8" 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.

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.

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1 OF 2

STAFFORD 18

HYBRID CLAMSHELL STRAIGHT ROUND ALUMINUM POLE

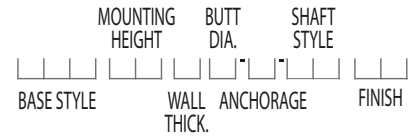
| A MTG. HGT. | B WALL THICKNESS | C BUTT DIA. | TOTAL LUM. WEIGHT | MAXIMUM EPA | | | | | | CATALOG NUMBER* |
|-------------------|------------------------|-------------------|-------------------------|-------------|------|------|------|------|------|------------------|
| | | | | 90 | 100 | 110 | 120 | 130 | 140 | |
| 8 | 0.125 | 8 | 100 | 58.0 | 46.9 | 38.5 | 32.3 | 27.4 | 23.6 | S8508B8-4-SR-**- |
| | 0.188 | 8 | 100 | 85.7 | 69.3 | 57.1 | 47.8 | 40.7 | 35.1 | S8508D8-4-SR-**- |
| | 0.250 | 8 | 100 | 110.4 | 89.4 | 73.6 | 61.8 | 52.6 | 45.3 | S8508F8-4-SR-**- |
| 10 | 0.125 | 8 | 100 | 39.5 | 31.9 | 26.0 | 21.7 | 18.4 | 15.8 | S8510B8-4-SR-**- |
| | 0.188 | 8 | 100 | 58.7 | 47.4 | 38.9 | 32.5 | 27.6 | 23.7 | S8510D8-4-SR-**- |
| | 0.250 | 8 | 100 | 75.9 | 61.3 | 50.4 | 42.1 | 35.8 | 30.8 | S8510F8-4-SR-**- |
| 12 | 0.125 | 8 | 100 | 29.1 | 23.4 | 18.9 | 15.6 | 13.1 | 11.2 | S8512B8-4-SR-**- |
| | 0.188 | 8 | 100 | 43.6 | 35.1 | 28.6 | 23.8 | 20.2 | 17.3 | S8512D8-4-SR-**- |
| | 0.250 | 8 | 100 | 56.7 | 45.7 | 37.3 | 31.1 | 26.4 | 22.7 | S8512F8-4-SR-**- |
| 14 | 0.125 | 8 | 100 | 22.3 | 17.8 | 14.2 | 11.6 | 9.7 | 8.3 | S8514B8-4-SR-**- |
| | 0.188 | 8 | 100 | 34.0 | 27.2 | 22.0 | 18.2 | 15.4 | 13.1 | S8514D8-4-SR-**- |
| | 0.250 | 8 | 100 | 44.5 | 35.8 | 29.0 | 24.1 | 20.4 | 17.5 | S8514F8-4-SR-**- |
| 16 | 0.125 | 8 | 100 | 17.5 | 13.9 | 10.8 | 8.7 | 7.3 | 6.2 | S8516B8-4-SR-**- |
| | 0.188 | 8 | 100 | 27.2 | 21.7 | 17.3 | 14.2 | 11.9 | 10.2 | S8516D8-4-SR-**- |
| | 0.250 | 8 | 100 | 35.9 | 28.8 | 23.1 | 19.1 | 16.1 | 13.8 | S8516F8-4-SR-**- |
| 18 | 0.125 | 8 | 100 | 13.5 | 10.6 | 8.0 | 6.3 | 5.2 | 4.4 | S8518B8-4-SR-**- |
| | 0.188 | 8 | 100 | 21.5 | 17.1 | 13.4 | 10.8 | 9.1 | 7.7 | S8518D8-4-SR-**- |
| | 0.250 | 8 | 100 | 28.8 | 23.0 | 18.3 | 14.9 | 12.6 | 10.7 | S8518F8-4-SR-**- |
| 20 | 0.125 | 8 | 100 | 10.4 | 8.0 | 5.8 | 4.4 | 3.6 | 2.9 | S8520B8-4-SR-**- |
| | 0.188 | 8 | 100 | 17.2 | 13.6 | 10.4 | 8.3 | 6.9 | 5.8 | S8520D8-4-SR-**- |
| | 0.250 | 8 | 100 | 23.4 | 18.6 | 14.5 | 11.7 | 9.8 | 8.3 | S8520F8-4-SR-**- |
| 25 | 0.125 | 8 | 40 | 5.7 | 4.1 | 2.3 | 1.4 | 1.0 | 0.7 | S8525B8-4-SR-**- |
| | 0.188 | 8 | 95 | 9.8 | 7.4 | 5.0 | 3.6 | 2.9 | 2.3 | S8525D8-4-SR-**- |
| | 0.250 | 8 | 100 | 14.1 | 10.9 | 7.9 | 6.1 | 4.9 | 4.1 | S8525F8-4-SR-**- |
| 30 | 0.125 | 8 | 55 | 1.7 | 0.8 | - | - | - | - | S8530B8-4-SR-**- |
| | 0.188 | 8 | 40 | 5.5 | 3.9 | 1.9 | 0.9 | - | - | S8530D8-4-SR-**- |
| | 0.250 | 8 | 60 | 8.5 | 6.3 | 3.8 | 2.5 | 1.9 | 1.4 | S8530F8-4-SR-**- |
| 35 | 0.188 | 8 | 45 | 1.7 | 0.7 | - | - | - | - | S8535D8-4-SR-**- |
| | 0.250 | 8 | 40 | 4.3 | 2.7 | 0.7 | - | - | - | S8535F8-4-SR-**- |
| 40 | 0.250 | 8 | 45 | 0.5 | - | - | - | - | - | S8540F8-4-SR-**- |

EPA Notes: Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2015 AASHTO LRFD (7th Edition) using a 50-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

*4-Bolt Base Anchorage shown. For direct buried design replace -4 in catalog number with -E.

Catalog Number System

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



Catalog Number Example -

S85 40 F 8 - 4 - SR - BA

STAFFORD 18 Hybrid Clamshell Base, 40' Mounting Height, .250" Wall Thickness, 8" Butt Diameter, 4-Bolt Base, Straight Round Shaft, Black Powder Coat Finish

Wall Thickness B = .125"
Butt Dia. D = .188"
Anchorage F = .250"
 8 = 8"
 4 = 4-Bolt Base
 E = Direct Buried

Shaft Style
 SR = Straight Round

Powder Coat Finish
 BA - Black Powder Coat
 BH - White Powder Coat
 BM - Dark Bronze Powder Coat
 BV - Dark Green Powder Coat
 GC - Gray Powder Coat
 SC - Special Colors*
* Provide RAL # or Sample Color Chip

Mounting Options

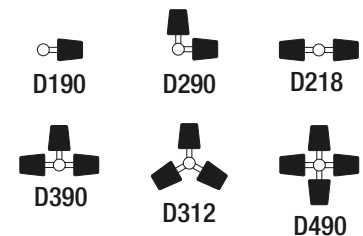
Tenon Mount
 For Tenon Mount applications specify both Tenon diameter and length.



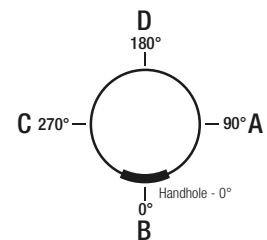
Side Drill Mount
 Includes removable pole cap.
NOTE: A luminaire drilling template must be supplied at time of order.



Drill Mount Options



Pole Orientation



| | |
|-----------------|-----------|
| CATALOG NUMBER: | QUANTITY: |
| CUSTOMER NAME: | |
| PROJECT: | LOCATION: |
| NOTES: | |