8' to 25' Round Tapered Fluted Aluminum 16 Sharp Flute “16S” Series

**Specifications**

**Pole:** Fluted poles are formed from spun tapered seamless 6063 alloy aluminum tubes with a constant linear taper of 0.14' / ft. Shaft is polished with fine grain aluminum oxide cloth, resulting in a high quality, circumferential satin-brushed surface.

**Fluting Process:** The poles are cold rolled over a precision hardened steel mandrel to form the fluted shape indicated. The fluted shaft has uniform doric flutes. The flutes are formed with rollers in full contact with the material from the top of the crest, through the valley of the flute, to the top of the next crest. The termination of the flutes is no greater than 1-1/2" radii transition into the round section of the pole. Flutes are stopped 18" above the bottom of the shaft to provide a smooth interface surface for the anchor base and "BCAS" base assemblies.

**Anchor Base:** Anchor base is cast from A356 alloy aluminum. The anchor base casting and shaft are joined by a continuous circumferential weld at the inside bottom of the anchor base. The completed assembly is heat-treated to a T6 temper after all structural welding is completed.

**Flush Handhole:** A peripherally reinforced flush covered handhole centered 12" above the bottom of the pole is provided. The opening in the 6" diameter pole is 3" x 5". In the 7" and 8" diameter pole, 4" x 6". The handhole is welded tangent to the shaft and both are polished at the same time with fine grain aluminum oxide cloth.

**Fixture Mounting:** The top of the pole is customized according to the luminaire mounting requirement: a special "PQ" tenon design to support pole top assemblies; two luminaire mounting tenon possibilities; or a non-fluted top section providing a smooth side-mount luminaire arm mounting.

**Pole Top Cap:** A removable cap is provided in conjunction with drilled shafts for direct lateral luminaire arm attachment.

**Anchor Bolt:** Anchor bolts are fabricated from carbon steel bar conforming to the requirements of ASTM F1554 Grade 55. The upper 1/2" of the bolts are hot dip galvanized per ASTM A53. Each anchor bolt is supplied with two hex nuts and two flat washers.

**Electrical Ground Connector:** To facilitate grounding connection, a tapped hole is drilled into the bottom plate of the casting. The hole is accessible from the access door and is sized for a 3/8" bolt with standard threads.

**Finish:** The finish for the pole is polyester powder coated in accordance with NAFCO Specifications.

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**Catalog Logic**

**Series**
- **FA** = Fluted Aluminum

**Base Diameter**
- 6'-6" (6'-0")
- 7'-2" (7'-0")
- 8'-8" (8'-0")

**Pole Cross Section**
- **16S** = 16 Sharp Flute

**Shaft Thickness**
- 5 - 1.16" Wall
- 6 - 1.18" Wall
- 8 - 2.00" Wall

**Flute Layout**
- **LT** = Start 18" from Base Run to Top of Pole
- **LS** = Start 18" from Base Skip 9" from Top of Pole

**Flute Pattern “16S”**

**Flange Pattern for Use with Pole Top Assemblies**

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**Options**
- **NC** = Fluted Net Covers
- **HB** = Hinge Base With Hinge Base
- **SL** = Special Pole Length

**Standard Finishes**
- **WH** = White
- **BK** = Black
- **MB** = Marine Bronze
- **SG** = Slate Gray
- **ST** = Sandstone
- **SL** = Silver
- **BR** = Burgundy

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**ANCHOR BASE AND BOLT DIMENSIONS**

**Optional Hinged Base Cover**

The contemporary smooth designed hinged base cover is cast from aluminum and available in 6”, 7”, and 8” base O.D. poles with a maximum height of 20’.

**Flush Reinforced Handhole**

The handhole welded tangent to the shaft is polished with fine grain aluminum oxide cloths at the same time as the shaft offering a unique flush design.

### Anchor Base Detail

Minimum Bolt Circle

Maximum Bolt Circle

- Base Square
- Handhole Covering

### Standard Dimensional and Load Data

<table>
<thead>
<tr>
<th>Pole Height (ft)</th>
<th>Catalog Number</th>
<th>Base O.D. (in)</th>
<th>Shaft O.D. (in)</th>
<th>Wall Thickness (ga)</th>
<th>80 MPH (lb)</th>
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- Replace (FL) with Flanged Layout Code, (M) with Fixtured Mounting Method Code, (P) with Finish Code, and (O) with Options Code.
- EPA calculations allow for 1.3 Wind Gust Factor. Satisfactory performance of footing standard is dependent upon the pole(s) being properly attached to a supporting foundation of adequate design. NAFCO does not design or offer recommendations for foundations.

Dimensions and Specifications subject to change without notice.

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