Product Overview

- **Pole Shaft** - The pole shaft is a one-piece assembly conforming to ASTM A595 Grade A or A572 Grade 55 with a constant linear taper of 0.11 in/ft.

- **Pole Top** - A removable top cap is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies. Other pole top options include Tenon Top, Top Cap Only or Open Top which is typical when the pole top diameter matches the necessary slip-fit dimensions.

- **Hand Hole** - A reinforced hand hole with grounding provision is provided at 1'-6" from the base end of the pole assembly. Each hand hole includes a cover and cover attachment hardware. Poles with a base square of 6" or smaller are supplied with a 3" x 5" rectangular hand hole. All other pole assemblies are provided with a 4" x 6.5" oval hand hole. (dimensions are nominal).

- **Base Cover** - A two-piece full base cover fabricated from ABS plastic is provided with each pole assembly. Additional base cover options, including a cast aluminum and fabricated steel cover, are available upon request. A two-piece steel full base cover is required for some applications depending on the finish requirement and/or pole base square. Factory reserves the right to provide a two-piece steel full base cover on some applications depending upon the finish requirement and/or pole base diameter.

- **Anchor Bolts** - Anchor bolts conform to ASTM F1554 Grade 55 and are provided with two hex nuts and two flat washers. Bolts have an "L" bend on one end and are galvanized a minimum of 12" on the threaded end.

- **Hardware** - All structural fasteners are galvanized high strength carbon steel. All non-structural fasteners are galvanized or zinc-plated carbon steel or stainless steel.

- **Finish** - Standard finishes are either Galvanized or Finish Painted. Additional finish options including Finish Paint over Galvanizing are available upon request.

- **Design Criteria** - Standard EPA (Effective Projected Area) and weight values are based on Standard Commercial Criteria (with 1.3 gust factor) for top mounted fixtures only. Consult the factory on loading criteria for side mounted luminaires and/or brackets. Satisfactory performance of light poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.
EPA Load Information

<table>
<thead>
<tr>
<th>BASE MODEL</th>
<th>80 MPH w/1.3 GUST MAX EPA (SOFT)</th>
<th>80 MPH w/1.3 GUST MAX WEIGHT (LBS)</th>
<th>90 MPH w/1.3 GUST MAX EPA (SOFT)</th>
<th>90 MPH w/1.3 GUST MAX WEIGHT (LBS)</th>
<th>100 MPH w/1.3 GUST MAX EPA (SOFT)</th>
<th>100 MPH w/1.3 GUST MAX WEIGHT (LBS)</th>
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<tbody>
<tr>
<td>VS-STSA-20-5331-11-AB-FP</td>
<td>18</td>
<td>452</td>
<td>13.8</td>
<td>345</td>
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<td>268</td>
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<td>713</td>
<td>22.5</td>
<td>563</td>
<td>18.2</td>
<td>455</td>
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<td>13.7</td>
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<tr>
<td>VS-STSA-35-6437-07-AB-FP</td>
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</tbody>
</table>

1. The total combined EPA and weight of all fixtures, brackets and attachments mounting to a light pole cannot exceed the EPA and weight rating for a specified pole.
2. Maximum EPA (Effective Projected Area) and weight values are based on top mounted luminaires and/or brackets having a centroid 2'-6" above the Nominal Mounting Height. Variations from sizes above are available upon inquiry at the factory.
3. Satisfactory performance of light poles is dependent upon the pole being properly attached to a supporting foundation of adequate design.

Note: Additional sizes and configurations are available upon request.
*"+" indicates a vibration damper is standard
This specification brochure is intended to serve as a general guide. Our products are continually being engineered and improved, and specifications are subject to change without notice.

**CAP DETAIL (OPTIONAL)**

POLE MAY BE DRILLED TO ACCEPT SIDE MOUNTED FIXTURE IF REQUIRED.

**TENON DETAIL (STANDARD)**

<table>
<thead>
<tr>
<th>DESIGN NUMBER</th>
<th>O.D. (in)</th>
<th>PIPE SIZE</th>
<th>LENGTH (in)</th>
</tr>
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<tbody>
<tr>
<td>P2</td>
<td>2.375</td>
<td>2.0” SCHED 80</td>
<td>4</td>
</tr>
<tr>
<td>P4</td>
<td>4.000</td>
<td>3.5” SCHED 40</td>
<td>6</td>
</tr>
</tbody>
</table>

**POLE BASE DETAIL**

- THICKNESS
- BOLT CIRCLE
- SQUARE
- BOLT HOLES 0.25” LARGER THAN ANCHOR BOLT DIAMETER

**POLE DETAIL**

- MOUNTING HEIGHT
- SQUARE POLE PLATE W/ WIRE ENTRANCE HOLE (DEBURRED)
- ENGINEERED & MANUFACTURED IN THE USA

- REINFORCED HANDHOLE W/ COVER AND GROUNDING

- 4 - ANCHOR BOLTS WITH THREADED END GALVANIZED 12” MIN. EACH BOLT FURNISHED WITH 2 HEX NUTS AND 2 FLAT WASHERS.
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## Ordering Information

- **Designation**: Square Tapered Steel Anchor Base
- **Length**: 20 to 50
- **Base OD**:
  - 53 = 5.25"
  - 55 = 5.5"
  - 60 = 6"
  - 64 = 6.41"
- **Top OD**:
  - 31 = 3.05"
  - 33 = 3.3"
  - 37 = 3.66"
  - 38 = 3.83"
  - 39 = 3.85"
- **Thickness**:
  - 07 = 7 ga
  - 11 = 11 ga
- **Anchor Bolts**:
  - AB = Includes Anchor Bolts
  - LAB = Less Anchor Bolts
- **Finish Type**:
  - GV = Galvanized Only (No Paint)
  - FP = Finish Painted
  - FPGV = Finish Paint over Galvanizing
- **Painted Color**:
  - DB = Dark Bronze
  - MB = Medium Bronze
  - LG = Light Gray
  - DG = Dark Green
  - SG = Slate Gray
  - BK = Black
  - WH = White
  - SL = Silver
  - SC = Custom
- **Fixture Mounting**:
  - Drill Mounting (includes cap)
    - D1 = Single
    - D2 = 2@180 deg.
    - D4 = 4@90 deg.
    - D5 = 2@90 deg.
    - D6 = 3@90 deg.
  - Tenon Mounting
    - P1 = 4"OD x 5" Long Tenon
    - P2 = 2.38"OD x 4" Long Tenon
    - P3 = 3.50"OD x 6" Long Tenon
    - P4 = 4"OD x 6" Long Tenon
    - P5 = 2.38"OD x 4" Long Tenon
    - P6 = 2.88"OD x 5" Long Tenon
    - P7 = 2.38"OD x 5" Long Tenon
    - PQ = 2.38"OD x 12" Long Tenon
    - PD = 3"OD x 3" Long Tenon
    - P9 = Custom Size Tenon
- **Other Options**:
  - PC = Cap Only, No Side Drilling
  - PL = Open Top, No Cap or Side Drilling

**Note:** Please consult factory or your sales representative to verify options and accessories will work with your light pole part number.

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**Description**

- **SPL** = Special Cut Length (Please Specify)
- **BCSPCL** = Special Base Plate to Match Existing Bolt Circle (May Add 2 Weeks to Production Lead Time, May Require Special Base Cover)
- **VDA** = Internal Vibration Dampener, Factory Installed
- **VDF** = Internal Vibration Dampener, Field Installable
- **FBCS** = Steel Full Base Cover
- **FBCP** = ABS Plastic Full Base Cover

**Description**

- **ULHH** = UL Compliant Hand Hole
- **NECHH** = NEC 410.30 Compliant Hand Hole & Cover
- **EHM** = Additional Hand Hole Opening w/ Cover Assembly (Specify Pole Height & Orientation)
- **FST** = Festoon Provision, Electrical by Others (Specify Pole Height & Orientation)
- **CPL** = NPT Pipe Coupling (Specify Pole Height, Orientation & NPT Size)
- **PXDX** = Side Drill + Tenon w/ Additional Hand Hole (Specify Tenon OD & Length)

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**Description**

- **STAMP** = Engineering Services, Signed & Sealed Calcs
- **STAMPCA** = Engineering Services, CA Signed & Sealed Calcs
- **PRE100** = Pre-Ship Anchor Bolts - 1.0" x 36" x 4"
- **PRE125** = Pre-Ship Anchor Bolts - 1.25" x 42" x 6"

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**Note:** Please consult factory or your sales representative to verify options and accessories will work with your light pole part number.

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