### Product Overview

- **Pole Shaft** - The pole shaft conforms to ASTM A595 Grade A or A572 Grade 55 with a constant linear taper of 0.14 in/ft.
- **Fluting Process** - The tapered shafts are cold rolled over a precision hardened steel mandrel to form the desired flute shape. The flutes are uniform and equally spaced throughout the process. The termination of the flutes is no greater than 1.50” radii transition into the round section of the shaft. The results of this fluting process are flutes with architecturally pleasing radiused terminations and crisp uniform flutes.
- **Linear Flute Layout** - Flutes start and stop to ensure nut covers and anchor base connection fit a smooth round diameter and provides mounting of side-mount luminaire arm assemblies. Flute start and stop locations should be specified.
- **Pole Top** - A pole top plate and tenon are provided for top mount luminaire and/or bracket. A removable decorative spear finial is provided for poles receiving drilling patterns for side-mount luminaire arm assemblies.
- **Hand Hole** - A covered handhole and grounding provision with hardware is provided.
- **Nut Covers** - Decorative anchor bolt nut covers with hardware are provided.
- **Base Cover** - Optional decorative base covers available as special order.
- **Anchor Base** - The anchor base (base plate) conforms to ASTM A36.
- **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.
- **Finish** - Standard finishes are either Galvanized, Prime Painted 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 (SQFT)</th>
<th>80 MPH w/1.3 GUST MAX WEIGHT (LBS)</th>
<th>90 MPH w/1.3 GUST MAX EPA (SQFT)</th>
<th>90 MPH w/1.3 GUST MAX WEIGHT (LBS)</th>
<th>100 MPH w/1.3 GUST MAX EPA (SQFT)</th>
<th>100 MPH w/1.3 GUST MAX WEIGHT (LBS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VS-RTSF-20-6739-11-AB-FP</td>
<td>21</td>
<td>525</td>
<td>15</td>
<td>375</td>
<td>12</td>
<td>300</td>
</tr>
<tr>
<td>VS-RTSF-25-7338-11-AB-FP</td>
<td>17</td>
<td>425</td>
<td>12</td>
<td>300</td>
<td>9</td>
<td>225</td>
</tr>
<tr>
<td>VS-RTSF-25-7843-07-AB-FP</td>
<td>31</td>
<td>775</td>
<td>24</td>
<td>600</td>
<td>18</td>
<td>450</td>
</tr>
<tr>
<td>VS-RTSF-30-8038-07-AB-FP</td>
<td>25</td>
<td>625</td>
<td>18</td>
<td>450</td>
<td>14</td>
<td>350</td>
</tr>
<tr>
<td>VS-RTSF-30-8038-11-AB-FP</td>
<td>14</td>
<td>350</td>
<td>10</td>
<td>250</td>
<td>7</td>
<td>175</td>
</tr>
<tr>
<td>VS-RTSF-35-8536-11-AB-FP</td>
<td>12</td>
<td>300</td>
<td>8</td>
<td>200</td>
<td>4</td>
<td>100</td>
</tr>
<tr>
<td>VS-RTSF-35-9041-07-AB-FP</td>
<td>25</td>
<td>625</td>
<td>18</td>
<td>450</td>
<td>13</td>
<td>325</td>
</tr>
<tr>
<td>VS-RTSF-39-1045-07-AB-FP</td>
<td>26</td>
<td>650</td>
<td>18</td>
<td>450</td>
<td>13</td>
<td>325</td>
</tr>
<tr>
<td>VS-RTSF-39-9035-11-AB-FP</td>
<td>10</td>
<td>250</td>
<td>6</td>
<td>150</td>
<td>3</td>
<td>75</td>
</tr>
</tbody>
</table>

**Designation & Dimensional Information**

<table>
<thead>
<tr>
<th>BASE MODEL</th>
<th>NOMINAL MOUNTING HEIGHT</th>
<th>POLE DIMENSIONS</th>
<th>BASE PLATE</th>
<th>ANCHOR BOLTS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TOP SQ (IN)</td>
<td>BASE SQ (IN)</td>
<td>WALL THK (GA)</td>
<td>BOLT CIRCLE DIA (IN)</td>
</tr>
<tr>
<td>VS-RTSF-20-6739-11-AB-FP</td>
<td>20'-0&quot;</td>
<td>3.9</td>
<td>6.7</td>
<td>11</td>
</tr>
<tr>
<td>VS-RTSF-25-7338-11-AB-FP</td>
<td>25'-0&quot;</td>
<td>3.8</td>
<td>7.3</td>
<td>11</td>
</tr>
<tr>
<td>VS-RTSF-25-7843-07-AB-FP</td>
<td>25'-0&quot;</td>
<td>4.3</td>
<td>7.8</td>
<td>7</td>
</tr>
<tr>
<td>VS-RTSF-30-8038-07-AB-FP</td>
<td>30'-0&quot;</td>
<td>3.8</td>
<td>8.1</td>
<td>11</td>
</tr>
<tr>
<td>VS-RTSF-30-8038-11-AB-FP</td>
<td>30'-0&quot;</td>
<td>3.8</td>
<td>8.1</td>
<td>11</td>
</tr>
<tr>
<td>VS-RTSF-35-8536-11-AB-FP</td>
<td>35'-0&quot;</td>
<td>3.6</td>
<td>8.5</td>
<td>11</td>
</tr>
<tr>
<td>VS-RTSF-35-9041-07-AB-FP</td>
<td>35'-0&quot;</td>
<td>4.1</td>
<td>9.1</td>
<td>7</td>
</tr>
<tr>
<td>VS-RTSF-39-1045-07-AB-FP</td>
<td>39'-0&quot;</td>
<td>4.5</td>
<td>10</td>
<td>7</td>
</tr>
<tr>
<td>VS-RTSF-39-9035-11-AB-FP</td>
<td>39'-0&quot;</td>
<td>3.5</td>
<td>9.1</td>
<td>11</td>
</tr>
</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 dampener is standard

---

**Anchor Base Detail**

- 180° - Bolt Slots/Holes
- 90° - Bolt Circle
- 0° - Handhole

---

206 W. McWilliams St.
Fond du Lac, WI 54935
800-558-4810
quotes@nafcomfg.com
NAFCOmfg.com

Rev. V07312019

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.
### Ordering Information

**Designation**
- VS-RTSF = Round Tapered Steel Fluted Anchor Base

**Length**
- 20 to 39

**Base OD**
- 73 = 7.3”
- 76 = 7.6”
- 78 = 7.8”
- 80 = 8”
- 85 = 8.5”
- 90 = 9”
- 10 = 10”

**Top OD**
- 35 = 3.5”
- 36 = 3”
- 38 = 3.8”
- 39 = 3.9”
- 41 = 4.1”
- 43 = 4.3”
- 45 = 4.5”

**Thickness**
- 07 = 7ga
- 11 = 11ga

**Anchor Bolts**
- Includes Anchor Bolts
- Less Anchor Bolts

**Finish Type**
- GV = Galvanized
- FP = Finish Painted
- FPGV = Paint over Galvanizing

**Flute Design**
- FLCS-4W = 4W Shape
- FLCS-8F = 8 Flat
- FLCS-8S = 8 Sharp
- FLCS-12F = 12 Flat
- FLCS-16S = 16 Sharp
- FLCS-16F = 16 Flat

**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.
  - D3 = 3@120 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 = 3.5” OD x 6” Long Tenon
- P4 = 4” OD x 6” Long Tenon
- P5 = 2.88” OD x 4” Long Tenon
- P6 = 2.88” OD x 5” Long Tenon
- P7 = 2.38” OD x 5” Long Tenon
- P8 = 2.38” OD x 12” Long Tenon
- P9 = Custom Size Tenon

*See previous pages for base model configurations. Consult factory or your sales rep for deviations from base models. Additional sizes and configurations available upon request.*

### Options & Accessories

- **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
- **SPL** = Special Cut Length (Specify Pole Height & Orientation)
- **ULHH** = UL Compliant Hand Hole
- **NECHH** = NEC 410.30 Compliant Hand Hole & Cover
- **EHH** = 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)
- **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”

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