STEEL Pole Products

Value.

Durability.

Safety.

Proven Performance

hapco®

pole products
### Pole

- Pole shaft shall be weldable-grade, cold-rolled, commercial quality carbon steel tubing conforming to ASTM A500 Grade B. Options include 11 gauge and 7 gauge. All welds shall conform to AWS D1.1 using ER70S-6 electrodes.

### Base Style

- **4-Bolt Steel Plate**
  - Base Flange of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware.

### Anchorage

- Anchorage Kit will include four (4) L-shaped Steel Anchor Bolts conforming to AASHTO M214-90 Grade 55. Ten inches (10") of threaded end will be galvanized per ASTM A153.
- Kits will contain eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel).
- A paper bolt circle template will be provided.

### Handhole

- Reinforced, 3" x 5"
  - Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

### Base Cover

- Square ABS plastic Base Covers are standard on all SSS poles specified in BA-Black, BM-Dark Bronze and BH-White. SSS poles specified in all other colors will be manufactured of metal materials. Custom specification of SSS square metal style Base Covers in BA, BM and BH powder coated finishes is available.

### Vibration Damper

- If determined necessary by Hapco, or if specified by the customer, a first and/or second mode vibration damper will be provided.

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**Dimensions in Inches**
### Catalog Number System

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

- **SHAFT ASSEMBLY**
- **WALL**
- **TOP SQ.**
- **BASE FINISH**
- **FINISH**

#### Catalog Number Example -

**SSS 20 D 5 - 4 – BA**

Square Straight Steel, 20' Mounting Height, 7 Gauge, 5" Butt Square, No Taper, 4-Bolt Base, Black Powder Coat Finish.

### EPA Notes:

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2009 ASHTO LTS-5 using a 25-year design life. Maximum EPA is taxed on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.

### Mounting Options

#### Side Drill Mount

Includes removable pole cap.

**NOTE:** A luminaire drilling template must be supplied at time of order.

#### Tenon Mount

For Tenon Mount applications specify both Tenon diameter and length.

### Drill Mount Options

- **D190** - No Drilling
- **D218** - 2-1/2" O.D. x 4" Base
- **D290** - 3" O.D. x 4"
- **D390** - Custom Tenon**

**Note:** GFI Options must be specified in Accessories.

### Pole Orientation

- **A** - Handhole - 0°
- **B** - 270°
- **C** - 90°
- **D** - 180°

### Electrical Box

- **GFI1** - Duplex GFI Receptacle
- **GFI2** - Duplex GFI with In-Use Cover

### Accessories/Options

- **L12** - Threaded 1/2" Coupling**
- **C14** - Threaded 3/4" Coupling**
- **EHH** - Extra Handhole**
- **GFI1** - Duplex GFI Receptacle with Cover
- **GFI2** - Duplex GFI with In-Use Cover
- **L10** - Less Anchor Bolts
- **LPC** - Less Pole Cap
- **PAB** - Pre-shipped Anchor Bolts
- **VD1** - Vib. Damper - 1st Mode
- **VD2** - Vib. Damper - 2nd Mode

### Powder Coat Colors

- **BA** - Black Powder Coat
- **BH** - White Powder Coat
- **BM** - Dark Bronze Powder Coat
- **BV** - Dark Green Powder Coat
- **GG** - Gray Powder Coat
- **XX** - Special Colors**

### Galvanized

- **G1** - Galvanized Only
- **C1** - Black PC Over Galv.
- **G12** - White PC Over Galv.
- **G16** - Bronze PC Over Galv.
- **G11** - Gray PC Over Galv.
- **XX** - Special PC Over Galv.*

*Provide RAL # or Sample Color Chip.
Round Straight Steel Pole
No Arm — 4-Bolt Base

Removable Pole Cap
(Tenon Option Available)

D Top Diameter

B Wall Thickness
Round Straight Steel Tube
ASTM A500 Grade B Steel

4-Bolt Base
Plate of fabricated hot rolled carbon steel conforming to ASTM A36 or equivalent (36 ksi minimum yield) with 2-piece Base Cover and attaching hardware.

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 eight (8) Hex Nuts, four (4) Lock Washers, and eight (8) Flat Washers (all components Galvanized Steel). A paper bolt circle template will be provided.

3" Butt Diameter
Reinforced, 2" x 4" Handhole with cover and stainless steel screws. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

4"+ Butt Diameters
Reinforced, 3" x 5" Handhole with cover, stainless steel screw and backbar. A grounding provision incorporating a tapped 1/2"-13NC hole will be provided.

Round ABS plastic Base Covers are standard in all 11 Gauge RSS poles specified in powder coat finishes BA-Black, BM-Dark Bronze and BH-White.

Square metal powder coated Base Covers are standard in all 11 Gauge RSS poles that are specified in colors other than BA, BM, and BH and in all 7 Gauge poles in ALL COLORS. Custom specification of RSS Square Metal style Base Covers in BA, BM and BH powder coated finishes is available.

If determined necessary by Hapco, or if specified by the customer, a first and/or second mode vibration damper will be provided.

Dimensions in inches

WARNING: Do not install light pole without luminaire.
Round Tapered Steel Pole
No Arm — 4-Bolt Base

**Dimensions in Inches**

<table>
<thead>
<tr>
<th>C Butt Dia.</th>
<th>F Bolt Cir. Dia.</th>
<th>G Base Sq.</th>
<th>H Bolt Proj.</th>
<th>I Bolt Size</th>
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<td>7.5-8.5</td>
<td>8</td>
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<td>5.2</td>
<td>8 - 9</td>
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<td>3.75</td>
<td>.75 x 17 x 3</td>
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<tr>
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<td>9.5 - 10.5</td>
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<td>6.8</td>
<td>10 - 11</td>
<td>10</td>
<td>3.75</td>
<td>.75 x 30 x 3</td>
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<td>10.5 - 11.5</td>
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<td>1 x 36 x 4</td>
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<tr>
<td>8.0</td>
<td>11 - 12</td>
<td>11</td>
<td>4.875</td>
<td>1 x 36 x 4</td>
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<tr>
<td>8.5</td>
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<td>12</td>
<td>4.875</td>
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<tr>
<td>9.0 (1 Gauge)</td>
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<tr>
<td>9.0 / 7 Gauge</td>
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<td>5.875</td>
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*Nominal

**WARNING:** Do not install light pole without luminaire.
### 2-Piece Shaft Design

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<th>110</th>
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<td>9.5</td>
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</tbody>
</table>

### Mounting Options

- **Side Drill Mount**
  - Includes removable pole cap.
  - **NOTE:** A luminaire drilling template must be supplied at time of order.
- **Tenon Mount**
  - For Tenon Mount applications specify both Tenon diameter and length.

### Pole Orientation

- **D**
- **B**

### Catalog Number System

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

- **RTS**
- **Height**
- **Gauge**
- **Bolt Dia.**
- **Total Lim. Weight**
- **90**
- **100**
- **110**
- **120**
- **130**
- **140**
- **Catalog Number**

### Catalog Number Example -

**RTS 30 B 80 - 4 - BM**

Round Tapered Steel, 30" Mounting Height, 11 Gauge, 8" Butt Diameter, Threaded, 4-Bolt Base, Dark Bronze Powder Coat Finish.

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**EPA Notes:**

Effective Projected Area (EPA) in square feet. EPA's calculated using wind velocity (mph) indicated in accordance with 2002 AASHTO LTS-5 using a 25-year design life. Maximum EPA is based on the luminaire weight shown. Increased luminaire weight may reduce the maximum EPA. If weight is exceeded, or if other design life or code is required, please consult the factory.
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AWS D1.2 Committee

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