### MOUNT MUST BE INSTALLED WITH DIAGONALS AS SHOWN

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**PART NO.** | **DESCRIPTION** | **FRAME KIT** | **HARDWARE KIT** | **PIPE BUNDLE** | **TOTAL WEIGHT**
---|---|---|---|---|---
SFG22-10-B | SFG22 SECTOR FRAME KIT, 10' 8" FACE, UNIVERSAL TOWER MOUNT, NO ANTENNA PIPES | SFG22PK | SFG22HK0 | SFG22100058 | 375.4 lbs
SFG22-10-3-96 | SFG22 SECTOR FRAME KIT, 10' 8" FACE, UNIVERSAL TOWER MOUNT, (3) 96" ANTENNA PIPES | SFG22PK | SFG22HK3 | SFG2210396SB | 481.1 lbs
SFG22-10-4-96 | SFG22 SECTOR FRAME KIT, 10' 8" FACE, UNIVERSAL TOWER MOUNT, (4) 96" ANTENNA PIPES | SFG22PK | SFG22HK4 | SFG2210496SB | 500.4 lbs
SFG22-12-8 | SFG22 SECTOR FRAME KIT, 12' 8" FACE, UNIVERSAL TOWER MOUNT, NO ANTENNA PIPES | SFG22PK | SFG22HK0 | SFG22120058 | 399.9 lbs
SFG22-12-3-96 | SFG22 SECTOR FRAME KIT, 12' 8" FACE, UNIVERSAL TOWER MOUNT, (3) 96" ANTENNA PIPES | SFG22PK | SFG22HK3 | SFG2212396SB | 483.6 lbs
SFG22-12-3-126 | SFG22 SECTOR FRAME KIT, 12' 8" FACE, UNIVERSAL TOWER MOUNT, (3) 126" ANTENNA PIPES | SFG22PK | SFG22HK3 | SFG22123126SB | 506.0 lbs
SFG22-12-4-96 | SFG22 SECTOR FRAME KIT, 12' 8" FACE, UNIVERSAL TOWER MOUNT, (4) 96" ANTENNA PIPES | SFG22PK | SFG22HK4 | SFG2212496SB | 514.9 lbs
SFG22-12-4-126 | SFG22 SECTOR FRAME KIT, 12' 8" FACE, UNIVERSAL TOWER MOUNT, (4) 126" ANTENNA PIPES | SFG22PK | SFG22HK4 | SFG22124126SB | 529.4 lbs
SFG22-14-B | SFG22 SECTOR FRAME KIT, 14' 8" FACE, UNIVERSAL TOWER MOUNT, NO ANTENNA PIPES | SFG22PK | SFG22HK0 | SFG22140058 | 404.5 lbs
SFG22-14-3-96 | SFG22 SECTOR FRAME KIT, 14' 8" FACE, UNIVERSAL TOWER MOUNT, (3) 96" ANTENNA PIPES | SFG22PK | SFG22HK3 | SFG2214396SB | 498.2 lbs
SFG22-14-3-126 | SFG22 SECTOR FRAME KIT, 14' 8" FACE, UNIVERSAL TOWER MOUNT, (3) 126" ANTENNA PIPES | SFG22PK | SFG22HK3 | SFG22143126SB | 520.5 lbs
SFG22-14-4-96 | SFG22 SECTOR FRAME KIT, 14' 8" FACE, UNIVERSAL TOWER MOUNT, (4) 96" ANTENNA PIPES | SFG22PK | SFG22HK4 | SFG2214496SB | 529.4 lbs
SFG22-14-4-126 | SFG22 SECTOR FRAME KIT, 14' 8" FACE, UNIVERSAL TOWER MOUNT, (4) 126" ANTENNA PIPES | SFG22PK | SFG22HK4 | SFG22144126SB | 559.2 lbs

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1.0 ALL METRIC DIMENSIONS ARE IN BRACKETS.
2.0 FITS TOWER LEGS UP TO 8" OD, 8" ANGLE 60°, AND 6" ANGLE 90°.
3.0 UP TO 7" TAPER AVAILABLE.
### Item List

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
<th>Description</th>
<th>QTY.</th>
<th>Weight</th>
<th>Note No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GB-04125</td>
<td>1/2 X 1-1/4&quot; GALV BOLT KIT</td>
<td>1</td>
<td>0.12 LBS</td>
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<td>2</td>
<td>GB-04265</td>
<td>1/2 X 2-3/4&quot; GALV BOLT KIT</td>
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<td>3</td>
<td>GB-0550A</td>
<td>5/8 X 2&quot; GALV BOLT KIT (A325)</td>
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<td>4</td>
<td>GB-0624A</td>
<td>3/4 X 2-1/2&quot; GALV BOLT KIT (A325)</td>
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<td>5</td>
<td>GN-04</td>
<td>1/2&quot; GALV HEX NUT</td>
<td>4</td>
<td>0.04 LBS</td>
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<tr>
<td>6</td>
<td>GN-06</td>
<td>3/4&quot; GALV HEX NUT</td>
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<td>7</td>
<td>GB-4240</td>
<td>1/2&quot; X 2-1/2&quot; X 4&quot; GALV U-BOLT</td>
<td>27</td>
<td>0.56 LBS</td>
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<td>8</td>
<td>GB-53660</td>
<td>3/8 X 3-5/8&quot; X 6&quot; GALV U-BOLT</td>
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<td>0.26 LBS</td>
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<tr>
<td>9</td>
<td>GWF-04</td>
<td>1/2&quot; GALV FLAT WASHER</td>
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<td>0.03 LBS</td>
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<td>GWF-06</td>
<td>3/4&quot; GALV FLAT WASHER</td>
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<td>11</td>
<td>SWL-04</td>
<td>1/2&quot; GALV LOCK WASHER</td>
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<td>12</td>
<td>SWL-06</td>
<td>3/4&quot; GALV LOCK WASHER</td>
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<td>0.04 LBS</td>
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<td>13</td>
<td>MT-379-8</td>
<td>1/2&quot; X 6&quot; GALV THREADED ROD</td>
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<tr>
<td>14</td>
<td>MT-537</td>
<td>φ2.375 OD x 126&quot; PIPE</td>
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<td>30.45 LBS</td>
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<td>MT-651-96</td>
<td>φ2.375 OD X 96&quot; PIPE</td>
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<td>MT-6420</td>
<td>3/8&quot; X 22&quot; GALV THREADED ROD</td>
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<td>3/4 X 1-1/2&quot; OFFSET COLLAR</td>
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<td>LAB01</td>
<td>FORMED CLAMP</td>
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<td>1.35 LBS</td>
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<td>SFG2201</td>
<td>SECTOR FRAME ARM WILDMNT</td>
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<td>52.49 LBS</td>
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<td>SFG2202</td>
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<td>52.49 LBS</td>
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<td>21</td>
<td>SFG2203</td>
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<td>SFG23025</td>
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<td>SFG23045</td>
<td>LOWER MOUNT BRACKET</td>
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<td>SFG23055</td>
<td>FRONT TOWER LEG BRACKET</td>
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<td>SFG23065</td>
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<td>8.71 LBS</td>
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<td>26</td>
<td>SFG23126</td>
<td>12&quot; SCH 40 PIPE X 3/8&quot; OD</td>
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<td>39.76 LBS</td>
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<td>EA2200.01</td>
<td>CROSS OVER ANGLE</td>
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<td>2.65 LBS</td>
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</tbody>
</table>

**Notes:**

- MUST BE INSTALLED WITH DIAGONALS AS SHOWN
- ALLOWABLE TIEBACK ANGLE
  - 25 DEGREES VERTICAL
  - 20 DEGREES HORIZONTAL

**Dimensions:**

- Scale 1:10
1.0 All metric dimensions are in brackets.

- MUST BE INSTALLED WITH DIAGONALS AS SHOWN

- ALLOWABLE TIEBACK ANGLE
  - 25 DEGREES VERTICAL
  - 20 DEGREES HORIZONTAL

- 25 DEGREES
- 20 DEGREES
- 25 DEGREES

- MUST BE INSTALLED WITH DIAGONALS AS SHOWN
**STEP 1: LOOSEN ∅5/8 HARDWARE TO OPEN FRAME SUPPORT ARMS.**

- ∅5/8x2" BOLTS

  MUST BE INSTALLED WITH DIAGONALS AS SHOWN

**STEP 2: OPEN FRAME SUPPORT ARMS AND INSTALL (4) ∅5/8 X 2" BOLTS.**

  "DO NOT TIGHTEN ∅5/8" BOLTS AT THIS TIME.

**STEP 3: INSTALL FACE PIPES AND ∅1/2" U-BOLTS**

  "TIGHTEN U-BOLTS FIRST AND ∅5/8" BOLTS SECOND"

- ∅5/8x2" BOLTS

  "TIGHTEN SECOND"

  ∅1/2" U-BOLT (8) PLACES

  "TIGHTEN FIRST"

  MUST BE INSTALLED WITH DIAGONALS AS SHOWN

  10' FACE PIPE

**STEP 4: ASSEMBLE TOWER CLAMPS (2X)**

- ∅5/8 ALL THREAD

- ∅5/8 FLAT WASHER AND NUT

- ∅5/8 FLAT WASHER, LOCK WASHER AND NUT

  MINIMIZE THREADED ROD PROTRUSION TO ALLOW SIDE BOLTS
**TAPER SETUP (SELF SUPPORT TOWER)**

**WITH TAPER: INSTALL TAPER BRACKETS (SFG233725 AND SFG232875) WITH HARDWARE**

- MUST BE INSTALLED WITH DIAGONALS AS SHOWN
  - ∅ 3/4X2-1/2" BOLT
  - ∅ 5/8 U-BOLT

**NON-TAPER SETUP (GU YED TOWER)**

**WITHOUT TAPER: INSTALL MOUNT BRACKETS (2X SFG234025) WITH HARDWARE**

- MUST BE INSTALLED WITH DIAGONALS AS SHOWN
  - ∅ 3/4X2-1/2" BOLT
  - ∅ 5/8 U-BOLT

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**TAPER GUIDE**

**WITH TAPER: INSTALL MOUNT BRACKETS (2X SFG234025) WITH HARDWARE**

- MUST BE INSTALLED WITH DIAGONALS AS SHOWN
  - ∅ 5/8"X2" BOLT

**WITHOUT TAPER: INSTALL MOUNT BRACKETS (2X SFG234025) WITH HARDWARE**

- MUST BE INSTALLED WITH DIAGONALS AS SHOWN
  - ∅ 5/8"X2" BOLT
NOTES:

ROUND PIPE SETUP
(BACK CLAMP CAPTURES PIPE)

ROUND PIPE SETUP
(BACK CLAMP FLAT AGAINST ANGLE)

ALLOWABLE TIEBACK ANGLE
±25 DEGREES VERTICAL
±20 DEGREES HORIZONTAL

25 DEGREES

20 DEGREES

25 DEGREES

MUST BE INSTALLED WITH
DIAGONALS AS SHOWN

TIEBACK MUST BE CONNECTED TO A RIGID MEMBER THAT
PROVIDES ADEQUATE SUPPORT WITHIN THE LIMITS NOTED
IN THE TIEBACK ANGLE RANGE DETAIL, UNLESS APPROVED
BY THE ENGINEER OF RECORD.