9m CLIPFRAME HIP END

Assembly Instructions

SIMPLICITY · PERFORMANCE · STYLE
### Parts Identification

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apex Connector Mid - Channel Tube 26°</td>
<td>To use with Channel Tube Rafter</td>
</tr>
<tr>
<td>Corner Connector</td>
<td></td>
</tr>
<tr>
<td>Tee Connector</td>
<td></td>
</tr>
<tr>
<td>Shoulder Connector 26°</td>
<td></td>
</tr>
<tr>
<td>Side Rafter - Channel Tube</td>
<td></td>
</tr>
<tr>
<td>Hip Rafter - AliRail</td>
<td></td>
</tr>
<tr>
<td>End Rafter</td>
<td></td>
</tr>
<tr>
<td>Ridge Purlin</td>
<td></td>
</tr>
<tr>
<td>Intermediate Purlin</td>
<td></td>
</tr>
</tbody>
</table>
9m CLIPFRAME HIP END

Parts Identification

**Eave Purlin (3 way)**
- 3 way barce collars

**Base Rail**

**Brace Bar**

**Apex Brace / Hip Brace**

**90° Leg**
- 90° Brace Collar

**180° Leg**
- 180° Brace Collar

**Base Foot**

---

www.baytex.co.nz simplicity - performance - style
9m CLIPFRAME HIP END

Recommended Staking Options

Minimum Staking for each Leg

- **A**: x2 Pegs (Ø25x800mm) per Base Foot
- **B**: Ballast 350kg per Base Foot attach to Foot and Shoulder Connector
- **C**: x2 Pegs (Ø25x800mm) per Base Foot + Guyed to x2 Pegs

Typical Stake Capacity 250kg in average soil conditions

Wind Speed

<table>
<thead>
<tr>
<th>Wind Speed (km/h)</th>
<th>Engineered</th>
<th>Estimated</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>250kg</td>
<td>250kg</td>
</tr>
<tr>
<td>40</td>
<td>250kg</td>
<td>350kg</td>
</tr>
<tr>
<td>50</td>
<td>250kg</td>
<td>350kg</td>
</tr>
<tr>
<td>60</td>
<td>250kg</td>
<td>350kg</td>
</tr>
<tr>
<td>70</td>
<td>250kg</td>
<td>350kg</td>
</tr>
<tr>
<td>80</td>
<td>250kg</td>
<td>350kg</td>
</tr>
<tr>
<td>90</td>
<td>250kg</td>
<td>350kg</td>
</tr>
<tr>
<td>100</td>
<td>250kg</td>
<td>350kg</td>
</tr>
</tbody>
</table>

- Over 50km/h - All Walling to be fitted and closed
- Over 80km/h - All Fabric to be Removed from Frame
- Frame may be left standing

Recommended Staking Options. Based on average Soil Conditions.

Consider Location factors
eg: on Exposed Hilltop, limit speed to 50% of above.
In poor soil use more stakes or longer stakes.
Assemble Hip End Frame

1. Join Corner Connector to Eave
   - Use Button Lock
   - note: centre collar faces in & up

2. Join Tee Connector to Eave
   - Use Button Lock

3. Join Legs to Corner & Tee Connectors
   - Use Button Lock
   - note: corner leg has 90° collar

4. Join Base Fitting to Legs
   - Use Button Lock
   - note: orientate pins to outside

5. Join Brace Bar to Leg & Eave
   - Use Lynch Pin
9m CLIPFRAME HIP END
Mid Frame Assembly

Assemble Mid Portal

1. Join Shoulder Connector to Rafter
   - Use Button Lock

2. Join Leg to Shoulder Connector
   - Use Button Lock
   note: side leg has 180° collar

3. Join Rafters to Apex
   - Use Button Lock
   note: Mid Apex

4. Join Base Fitting to Leg
   - Use Button Lock
   note: orientate pins to outside

5. Join Apex Brace to Rafters
   - Use Lynch Pin

6. Attach 2 Roof Brace Cables to Apex Pin
   if Portal is adjacent to a Braced Bay
1. Assemble Portals on ground in position ready for rotating up

2. Attach Layout Bar & triangles to first & second portals. secure with lynch pin

3. Rotate First End Up

4. Join Eave Purlins to Corner Connector  
   - Use Button Locks

5. Attach 25mm Brace Bars  
   - Use Lynch Pins

Keep Layout Bars in place until bay is complete
9m CLIPFRAME HIP END

Hip End Bay Installation

1. Rotate End Frame to Vertical
   Support Eave near Second Portal

2. Rotate Mid Portal to Vertical

3. Join Mid Portal to Eaves
   - Use Button Lock

4. Join Brace Bar to Second Portal
   - Use Lynch Pin

5. Hook End Rafter onto Mid Portal Apex
   note: curved hook

6. Rotate End Rafter up to End Frame Tee Connector
   - Use Clipset

7. Join Lower & Upper Hip Rafters
   - Use Button Lock

8. Hook Hip Rafter onto Mid Portal Apex
   note: curved hook

9. Rotate Hip Rafter up to End Frame Corner Connector
   - Use Clipset

10. Attach Hip Braces
    - Use Linch Pins

Keep Layout Bars in place until bay is complete
1. Move Layout Bars to Next Bay  
   - keep in place until bay complete

2. Attach Eave Purlins & Brace Bars

3. Rotate Next Portal up

4. Join Mid Portal to Eaves  
   - Use button Lock

5. Attach Brace Bar  
   - Use Lynch Pin

Keep Layout Bars in place until bay is complete
1. Hook Ridge Purlin onto Mid Portal Apex  
   note: curved hook

2. Rotate Ridge Purlin up to Second Mid Portal Apex  
   - Use Purlin Fork, keep square to purlin  
   - twist Purlin Fork to reduce sliding

3. Hook Ridge Purlin into Second Mid Portal Apex  
   - Ensure Engaged

4. Install Intermediate Purlins  
   - same process as Ridge Purlin

5. Attach Roof Brace Wires to Shoulders  
   - Use Shackle  
   - Do not fully tension turnbuckle until roof fabric is in place.

Brace Wires NOT required in all Mid Bays.  
Max. 4 Bays unbraced.  
Hip Bay acts as bracing.

Keep Layout Bars in place untill bay is complete
1. Move Layout Bars to Next Bay
   - keep in place until bay complete

2. Continue Assembling each Mid Bay required per first.
   Consider braced bay placements.

3. Last Bay is a Hip End Bay
   - Assemble End Frame on Ground
   - Attach Layout bars
   - Attach Eave Purlins & Brace Bars
   - Rotate End Frame Up & join to Eave Purlins & Brace Bars
   - Attach Hip Rafters (briefly disengage corner/eave if difficult).
   - Attach Hip Braces

4. Peg down Base Feet
   - x2 Marquee Pegs per Foot
   - Use Mallet

Stake or Ballast Frame before Fabric Installed
Keep Layout Bars in place until bay is complete
1. Throw Pull Over Ropes Across

2. Attach Pull Over Ropes to Roof ‘D’
   - hook facing fabric

3. Fit Keder Feeder in Rafter end
   - optional part
   - secure with hook around leg

4. Engage Keder in Rafter Extrusion
   - feed through Keder Feeder

5. Pull Panel Evenly

6. Tension Mid Panels
   6a. Mk2 - Use Packlocks

7. Hip End Roof Fabric Installed the same as Mid.
   Ease Fabric over frame if snagged.

Stake or Ballast Frame before Fabric Installed
1. Hook Wall onto Wall cord of Roof
   - Pockets to inside
2. Lace Walls together behind leg
3. Insert Base Rail in Pocket
4. Attach Base Rail to Base Foot
   - Use Lynch Pin