### Heavy duty full extension concealed runners

<table>
<thead>
<tr>
<th>Basic components</th>
<th>Locking devices</th>
<th>Runners</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="Image1" alt="Image" /></td>
<td><img src="Image2" alt="Image" /></td>
<td><img src="Image3" alt="Image" /></td>
</tr>
</tbody>
</table>

#### Side-to-side adjustment

1. Rotate side-to-side adjustment left or right equally on both locking devices. Drawer front moves in the same direction as rotation.

   ![Diagram](Diagram1)

   *Maximum 1.5 (1/16") to left or right in both front and rear (tool-free)*

   *NOTE: Side-to-side adjustment not available on T51.xBxx locking devices*

#### Rear side-to-side adjustment

2. After front side-to-side adjustment is made with the locking devices, rotate the rear side-to-side adjustment left or right to re-align the back of the drawer box with the front. Drawer back moves in the same direction as rotation.

   ![Diagram](Diagram2)

#### Height adjustment

1. Press up on adjustment tab

2. Push towards back of drawer

   ![Diagram](Diagram3)

   *Maximum 3 (1/8") rise of drawer front (tool-free)*

#### Tilt adjustment

1. Rotate the tilt adjustment lever on the rear of each runner to lift the back of the drawer and tilt the top of the drawer front forward

   ![Diagram](Diagram4)

   *Maximum 5 (3/16") rise of drawer back (tool-free)*

   *NOTE: Height and tilt adjustments available with all combinations of locking devices and runners*

#### Depth adjustable locking device

**Locking device T51.1901.PS**

- with side-to-side, height and depth adjustment

   Turning the adjustment screw allows for up to a +2.5 (3/32") out adjustment

   *NOTE: For T51.1901.PS setback in inset applications, see page 5*

#### Depth adjustment on runner

**TANDEM 569 runners feature elongated holes that allow ±4.5 (3/16") depth adjustment**
## Drawer Specifications

### Drawer insertion

Extend the concealed runners fully. Place the drawer on the runners and close. The locking devices automatically engage with the runners. Make adjustments if necessary.

### Drawer removal

1. Squeeze orange handles on locking devices
2. Pull drawer straight out and up

### Drawer box specifications

#### Front view

- **Opening width**: 21 (13/16")
- **Outside drawer width**: 26 (1/4")
- **Drawer side thickness**: maximum 16 (5/8")
- **Maximum drawer height**: opening minus 20 (25/32")
- **Minimum top clearance**: 6 (1/4")
- **Bottom recess**: 13 (1/2")

### Drawer back preparation

**Rear view**

- **Bore for hook**: 7 (9/32")
- **Minimum rear notch**: 35 (1-3/8")

**NOTE:** Use of the T65.1600.01 TANDEM template is essential for accurate location and angle of pre-bored locking device holes and accurate boring for rear hook holes.

### Preparing for hardware installation

- **6 mm bit with stop collar**: 2.5 mm bit with extension chuck
- **Installation screw**: 606N or 606P
- **Pre-boring holes for locking devices**: T51.1801
- **Pre-boring holes for rear hooks**: T51.1901

**NOTE:** Use of the T65.1600.01 TANDEM template is essential for accurate location and angle of pre-bored locking device holes and accurate boring for rear hook holes.

### Calculating outside drawer width

**For drawer side thickness**

- 16 (5/8")
- 15 (19/32")
- 14 (9/16")
- 13 (1/2")
- 12 (15/32")

**Deduct from opening width**

- 10 (13/32")
- 12 (15/32")
- 14 (9/16")
- 16 (5/8")
- 18 (23/32")

**Example:** For 21" opening width and a 5/8" thick drawer, 21" minus 13/32" = 20-19/32" drawer width

**NOTE:** Drawer side material thickness may vary. Accurate measurement of drawer side material thickness should be used when calculating outside drawer width using the table below. Inside drawer width must equal opening width minus 42 (1-21/32") for TANDEM to align and function optimally.

### Drawer side thickness

- Maximum: 16 (5/8")
- 13 (1/2")
- 12 (15/32")

### Bottom recess

- 14 (9/16")

### Bottom clearance

- 37 (1-15/32")

### Drawer height

- Maximum: opening minus 20 (25/32")

### Opening width

- 606N or 606P
- 662.1150.HG

### Screws

- 606N or 606P
- 662.1150.HG

### Locking device with side-to-side adjustment or without side-to-side adjustment

- T65.1600.01

### TANDEM template

- T65.1600.01

### Drawer back preparation

#### Front view

- **Opening width**: 21 (13/16")
- **Outside drawer width**: 26 (1/4")
- **Drawer side thickness**: maximum 16 (5/8")
- **Maximum drawer height**: opening minus 20 (25/32")
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**NOTE:** Drawer side material thickness may vary. Accurate measurement of drawer side material thickness should be used when calculating outside drawer width using the table below. Inside drawer width must equal opening width minus 42 (1-21/32") for TANDEM to align and function optimally.

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Dimensions in millimeters (inch equivalents as noted)
TANDEM plus BLUMOTION

Face Frame Application

Runner mounting specifications

Side view

Cabinet and drawer specifications

Side view

NOTE: Orange dots indicate screw locations required to meet specified load capacities

NOTE: For heavy duty applications, rear brackets and sockets cannot be used. Cabinet sides must be blocked-out flush with the inside of the frame.

TANDEM plus BLUMOTION | Cabinet depth | Inside cabinet depth | Drawer length | Maximum drawer thickness | Runner length
---|---|---|---|---|---
569.7620B | 838 (33") | 786 (30-15/16") | 762 (30") | 777 (30-19/32")
569.6860B | 762 (30") | 709 (27-29/32") | 686 (27") | 700 (27-9/16")
569.6100B | 686 (27") | 634 (24-31/32") | 610 (24") | 625 (24-19/32")
569H5330B | 533 (21") | 557 (21-15/16") | 533 (21") | 548 (21-9/16")
569H4570B | 457 (18") | 480 (18-29/32") | 457 (18") | 471 (18-17/32")

NOTE: #6 Wood screw (for mounting runner to cabinet side, rear brackets and locking devices)

#6 System screw (for mounting runner to cabinet side)
Frameless Application

Runner mounting specifications

**Side view**

<table>
<thead>
<tr>
<th>Model</th>
<th>Cabinet</th>
<th>Drawer</th>
<th>Mounting position (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>569.7620B</td>
<td>762 (30”)</td>
<td>786 (30-15/16”)</td>
<td>37 (1-15/32”)</td>
</tr>
<tr>
<td>569.6860B</td>
<td>686 (30”)</td>
<td>709 (27-29/32”)</td>
<td>37 (1-15/32”)</td>
</tr>
<tr>
<td>569.6100B</td>
<td>610 (24”)</td>
<td>634 (24-31/32”)</td>
<td>37 (1-15/32”)</td>
</tr>
<tr>
<td>569H5330B</td>
<td>533 (21”)</td>
<td>557 (21-15/16”)</td>
<td>37 (1-15/32”)</td>
</tr>
<tr>
<td>569H4570B</td>
<td>457 (18”)</td>
<td>480 (18-29/32”)</td>
<td>37 (1-15/32”)</td>
</tr>
</tbody>
</table>

**Detail of front holes**

- 32 (1-1/4”) Typical
- 34 (1-11/32”) Typical
- 25 (31/32”) Typical

**NOTE:** Orange dots indicate screw locations required to meet specified load capacities.

Cabinet and drawer specifications

**Side view**

<table>
<thead>
<tr>
<th>Model</th>
<th>Cabinet</th>
<th>Inside cabinet depth (inches)</th>
<th>Drawer</th>
<th>Maximum drawer thickness (inches)</th>
<th>Runner length (inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>569.7620B</td>
<td>838 (33”)</td>
<td>786 (30-15/16”)</td>
<td>762 (30”)</td>
<td>777 (30-19/32”)</td>
<td></td>
</tr>
<tr>
<td>569.6860B</td>
<td>762 (30”)</td>
<td>709 (27-29/32”)</td>
<td>686 (27”)</td>
<td>700 (27-9/16”)</td>
<td></td>
</tr>
<tr>
<td>569.6100B</td>
<td>686 (30”)</td>
<td>634 (24-31/32”)</td>
<td>610 (24”)</td>
<td>625 (24-19/32”)</td>
<td></td>
</tr>
<tr>
<td>569H5330B</td>
<td>610 (24”)</td>
<td>557 (21-15/16”)</td>
<td>533 (21”)</td>
<td>548 (21-9/16”)</td>
<td></td>
</tr>
<tr>
<td>569H4570B</td>
<td>533 (21”)</td>
<td>480 (18-29/32”)</td>
<td>457 (18”)</td>
<td>471 (18-17/32”)</td>
<td></td>
</tr>
</tbody>
</table>

- T51.1901R: Locking device with side adjustment (right)
- T51.1901L: Locking device with side adjustment (left)
- T51.1801R: Locking device (right)
- T51.1801L: Locking device (left)
- 606N or 606P: #6 Wood screw (for mounting runner to cabinet side, rear brackets and locking devices)
- 662.1150.HG: #6 System screw (for mounting runner to cabinet side)
Inset Application

Face frame application — complete blockout

**Side view**

- Runner setback (see table)
- Trial recommended
- Blocking behind frame
- Inside cabinet depth
- Minimum = Runner length + Setback + 6 (1/4")

Frameless application

**Side view**

- Runner setback (see table)
- Trial recommended
- Inside cabinet depth
- Minimum = Runner length + Setback + 6 (1/4")

### Setback information

**Side view**

- Runner setback
- Drawer sub-front
- Drawer front
- Mounting hole position

**NOTE:** Runner cannot be mounted below opening

**NOTE:** For mounting hole position add 7 (9/32") to runner setback

### Runner setback when using depth adjustable locking device (T51.1901.PS)

<table>
<thead>
<tr>
<th>Sub-front thickness</th>
<th>Runner setback</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 (1/2&quot;)</td>
<td>20 (25/32&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>23 (29/32&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>26 (1-1/32&quot;)</td>
</tr>
</tbody>
</table>

- Setbacks in this table recess the face of the drawer front inside of the cabinet 1 (1/32")
- The depth adjustment can then be used to move the drawer front out to its desired position, 2.5 (3/32") out adjustment only

### Runner setback when using all other locking devices

<table>
<thead>
<tr>
<th>Sub-front thickness</th>
<th>Runner setback</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 (1/2&quot;)</td>
<td>17.5 (11/16&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>20.5 (13/16&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>23.5 (15/16&quot;)</td>
</tr>
</tbody>
</table>

- Setbacks in this table set the face of the drawer front flush with the face of the cabinet
- If a depth adjustable locking device is needed, please see the locking device and table above

### Calculating runner setback

- 563/569 H/.
- Sub-front thickness + Drawer front thickness minus 9 (11/32")

- 563/569 H/.
- Sub-front thickness + Drawer front thickness minus 11.5 (7/16")
Mount each runner using at least two of the elongated holes. Install the drawer to check the position of the drawer front.

Remove the drawer, loosen screws and make adjustments if necessary, ±4.5 (3/16”). Tighten the screws, verify the drawer front position and finish mounting the runners using the screw locations indicated by the orange dots.

**Table: Attachment Specifications**

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>569.7620B</td>
<td>244.5</td>
<td>372.5</td>
</tr>
<tr>
<td>569.6860B</td>
<td>244.5</td>
<td>372.5</td>
</tr>
<tr>
<td>569.6100B</td>
<td>244.5</td>
<td>372.5</td>
</tr>
<tr>
<td>569H5330B</td>
<td>244.5</td>
<td>500.5</td>
</tr>
<tr>
<td>569H4570B</td>
<td>244.5</td>
<td>436.5</td>
</tr>
</tbody>
</table>

**Millimeter to Inch Conversion Chart**

| Millimeter | 1     | 1.5   | 2     | 2.5   | 3     | 3.5   | 4     | 4.5   | 5     | 5.5   | 6     | 7     | 8     | 8.5   | 9     | 9.5   | 10    | 11    | 12    | 13    | 13.5  | 14    | 15    | 16    | 17    | 17.5  | 18    | 19    | 20    | 20.5  | 21    | 22    | 23    | 24    | 24.5  | 25    | 25.4  |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|

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