## Full extension concealed drawer runners

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<td><img src="image3.png" alt="Diagram" /></td>
<td><img src="image4.png" alt="Diagram" /></td>
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</tbody>
</table>

### New side adjustment

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

![Diagram](image5.png)

- Maximum 1.5 (1/16") to left or right on both front and rear (tool-free)
- **NOTE:** Side adjustment not available on T51.x8xx locking devices

### New rear side adjustment

2. After front side adjustment is made with the locking devices, rotate the rear 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](image6.png)

### Height adjustment

1. Press up on adjustment tab
2. Push towards back of drawer

- Maximum 3 (1/8") rise of drawer front (tool-free)
- **NOTE:** Height and tilt adjustments available with all combinations of locking devices and runners

### Tilt adjustment

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

### New depth adjustable locking device

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

- Locking device with side, height and depth adjustment
- Turning the adjustment screw allows for up to a +2.5 (3/32") out adjustment

### Depth adjustment on runner

- TANDEM 563 runners feature elongated holes that allow ±4.5 (3/16") depth adjustment
## Drawer specifications

### Face frame and panel cabinet applications

**Front view**

- **opening width**
- **inside drawer width = opening width minus 42**
- **drawer side thickness maximum 16 (5/8")**
- **37 (1-15/32")**
- **13 (1/2")**
- **14 (9/16")**

**NOTE:** Because material thickness may vary, the inside drawer width must equal opening width minus 42 for TANDEM to align and function properly.

### Preparing for hardware installation

- **Template T65.1600**
- **Installation screw 606N or 606P**
- **75°**
- **2.5 mm bit with extension chuck**
- **6 mm bit with stop collar**

**NOTE:** Use of the T65.1600 template is essential for accurate location and angle of pre-bored locking device holes and accurate boring for rear hook holes.

### Drawer insertion

Extend the drawer 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
Runner mounting specifications

Side view

610 (24") cabinet

533 (21") drawer

563.4570B

457 (18") drawer

563H4570B

457 (18") drawer

563H3810B

381 (15") drawer

563H3050B

305 (12") drawer

563H2290B10

229 (9") drawer

32 to 370 (12-29/32" to 14-9/16")

381 (15") cabinet

457 (18") cabinet

610 (24") cabinet

563H5330B

533 (21") drawer

563.5330B

533 (21") drawer

533 (21") cabinet

480 to 522 (18-29/32" to 20-9/16")

480 (18-29/32") minimum

533 (21") cabinet

404 to 446 (15-29/32" to 17-9/16")

404 to 446 (15-29/32" to 17-9/16")

328 to 370 (12-29/32" to 14-9/16")

detail of front holes

32 (1-1/4")

34 (1-11/32")

9 (11/32") typical

7 (9/32")

25 (1-15/32")

37 (1-15/32")

inside cabinet depth range

557 to 599 (21-15/16" to 23-19/32")

mounting position 10 (13/32")

557 (21-15/16") minimum

setback 3 (1/8")

Rear bracket

Cabinet and drawer specifications

Side view

610 (24") cabinet

563H330B

533 (21") drawer

563.4570B

533 (21") drawer

563H3810B

533 (21") drawer

533 (21") cabinet

maximum drawer thickness

16 (5/8")

TANDEM plus BLUMOTION cabinet depth inside cabinet depth drawer length maximum drawer thickness runner length

563H330B 610 (24") 599 (23-19/32") 557 (21-15/16") 533 (21") 548 (21-9/16")

563.5330B 610 (24") — 557 (21-15/16") 533 (21") 548 (21-9/16")

563H4570B 533 (21") 522 (20-9/16") 480 (18-29/32") 457 (18") 471 (18-17/32")

563.4570B 533 (21") — 480 (18-29/32") 457 (18") 471 (18-17/32")

563H3810B 457 (18") 446 (17-9/16") 404 (15-29/32") 381 (15") 395 (15-9/16")

563H3050B 381 (15") 370 (14-9/16") 328 (12-29/32") 305 (12") 319 (12-9/16")

563H2290B10 305 (12") 299 (11-25/32") 266 (10-15/32") 229 (9") 259 (10-3/16")

NOTE: For 563. series runners rear brackets and sockets cannot be used. Cabinet sides must be blocked-out flush with the inside of the frame.

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

NOTE: *These brackets are for 563H2290B10 only

*bracket maximum depth minimum depth

295.3700.21 282 (11-3/32") 266 (10-15/32")

295.3700.22 299 (11-25/32") 283 (11-5/32")

T51.1901R Locking device with side adjustment (right) 295.3700.21 Rear mounting bracket, non-handed

T51.1901L Locking device with side adjustment (left) 295.3700.22 563H2290B10 rear bracket, non-handed

T51.1801R Locking device (right) 295.3700.22 563H2290B10 rear bracket, non-handed

T51.1801L Locking device (left)

606N or 606P #6 Wood screw (for mounting runner to cabinet side, rear brackets and locking devices)
Runner mounting specifications

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

Cabinet and drawer specifications

TANDEM plus BLUMOTION

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Dimensions</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>563H5330B</td>
<td>610 (24&quot;)</td>
<td></td>
</tr>
<tr>
<td>533 (21&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>533 (21&quot;)</td>
</tr>
<tr>
<td>533 (21&quot;)</td>
<td>525 (21&quot;)</td>
<td>548 (21-9/16&quot;)</td>
</tr>
<tr>
<td>563.5330B</td>
<td>480 (18-29/32&quot;)</td>
<td>457 (18&quot;)</td>
</tr>
<tr>
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<td>457 (18&quot;)</td>
<td>548 (21-9/16&quot;)</td>
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<td>404 (15-29/32&quot;)</td>
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<td>328 (12-29/32&quot;)</td>
<td>381 (15&quot;)</td>
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<td>381 (15&quot;)</td>
<td>381 (15&quot;)</td>
<td>395 (15-9/16&quot;)</td>
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<td>563H3050B</td>
<td>266 (10-15/32&quot;)</td>
<td>305 (12&quot;)</td>
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<td>305 (12&quot;)</td>
<td>305 (12&quot;)</td>
<td>319 (12-9/16&quot;)</td>
</tr>
<tr>
<td>563H2290B10</td>
<td>229 (9&quot;)</td>
<td>259 (10-3/16&quot;)</td>
</tr>
<tr>
<td>T51.1901R</td>
<td>Locking device with side adjustment (right)</td>
<td></td>
</tr>
<tr>
<td>T51.1901L</td>
<td>Locking device with side adjustment (left)</td>
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</tr>
<tr>
<td>T51.1801R</td>
<td>Locking device (right)</td>
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<td>T51.1801L</td>
<td>Locking device (left)</td>
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</tr>
<tr>
<td>606N or 606P</td>
<td>#6 Wood screw (for mounting runner to cabinet side, rear brackets and locking devices)</td>
<td></td>
</tr>
<tr>
<td>662.1150.HG</td>
<td>#6 System screw (for mounting runner to cabinet side)</td>
<td></td>
</tr>
</tbody>
</table>

Dimensions in millimeters (inch equivalents as noted) © 2013 Blum, Inc.
Inset application

**Face frame application — complete blockout**

Side view

- runner setback (see table)
- Trial recommended
- blocking behind frame
- inside cabinet depth range

minimum = runner length + setback + 6 (1/4")

**Face frame application — partial blockout**

Side view

- runner setback (see table)
- Trial recommended
- blocking behind frame
- inside cabinet depth range

minimum = runner length + setback + 6 (1/4")

maximum with bracket = runner length + setback + 48 (1-7/8")

**Panel application**

Side view

- runner setback (see table)
- Trial recommended
- inside cabinet depth range

minimum = runner length + setback + 6 (1/4")

**Setback information**

Side view

- runner setback
- drawer front
- drawer sub-front
- mounting hole position

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

<table>
<thead>
<tr>
<th>563/569 H/.</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>

- sub-front thickness

- 16 (5/8")
- 19 (3/4")
- 22 (7/8")

- sub-front thickness + drawer front thickness minus 9 (11/32")

**Runner setback when using all other locking devices**

<table>
<thead>
<tr>
<th>563/569 H/.</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>

- sub-front thickness

- 16 (5/8")
- 19 (3/4")
- 22 (7/8")

- sub-front thickness + drawer front thickness minus 11.5 (7/16")

**NOTE:**
- For mounting hole position add 7 (9/32") to runner setback
- Runner cannot be mounted below opening

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

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

**NOTE:**
- Runner cannot be mounted below opening
- Setbacks in this table set the face of the drawer front inside of the cabinet 1 (1/32")
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**NOTE:**
- Runner cannot be mounted below opening
- Setbacks in this table recess the face of the drawer front inside of the cabinet 1 (1/32")
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- Runner cannot be mounted below opening
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**NOTE:**
- Runner cannot be mounted below opening
- 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
Attachment specifications

Rear attachment options for face frame applications

Front view

295.3750.01 rear mounting bracket, non-handed
295.3700.2x for 563H2290B10, non-handed

NOTE: Use at least three 606N or 606P installation screws for 295.3750.01 or 295.3700.2x

Attachment specifications

Millimeter to inch conversion chart

<table>
<thead>
<tr>
<th>Millimeter</th>
<th>Inch</th>
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<tbody>
<tr>
<td>1</td>
<td>1/16</td>
</tr>
<tr>
<td>1.5</td>
<td>1/8</td>
</tr>
<tr>
<td>2</td>
<td>5/32</td>
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<td>5/16</td>
</tr>
<tr>
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<td>3/16</td>
</tr>
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<td>5/32</td>
</tr>
<tr>
<td>5.5</td>
<td>11/32</td>
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</table>