### New side adjustment

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

### 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.

### Height adjustment

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

### 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.

### New depth adjustable locking device

- **Locking device**
  - **T51.1901.PS**
  - 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

### Full extension concealed drawer runners

<table>
<thead>
<tr>
<th>Basic components</th>
<th>Locking devices</th>
<th>Runners</th>
<th>Rear attachment options</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1.png" alt="Diagram" /></td>
<td><img src="image2.png" alt="Diagram" /></td>
<td><img src="image3.png" alt="Diagram" /></td>
<td><img src="image4.png" alt="Diagram" /></td>
</tr>
</tbody>
</table>

### Notes:
- Side adjustment not available on T51.x8xx locking devices
- Height and tilt adjustments available with all combinations of locking devices and runners
- For T51.1901.PS setback in inset applications, see page 5

---

Dimensions in millimeters (inch equivalents as noted) © 2013 Blum, Inc.
## Drawer specifications

### Preventing for hardware installation

- **Locking device**
  - T51.1901 with side adjustment or T51.1601 without side adjustment
  - Pre-boring holes for locking devices
  - 2.5 mm bit with extension chuck
  - Template T65.1600

- **Installation screw**
  - 606N or 606P

### Front view

- **Inside drawer width** = opening width minus 42
- **Drawer side thickness**
  - Maximum 16 (5/8”)
- **Drawer height**
  - Maximum = opening minus 20 (25/32”)
- **Bottom clearance**
  - Minimum 13 (1/2”)
- **6 mm bit with stop collar**
- **75°**

### 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

### NOTE:

- Because material thickness may vary, the inside drawer width must equal opening width minus 42 for TANDEM to align and function properly.
- 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.
Face frame application

Runner mounting specifications

Side view

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

NOTE: *These brackets are for 563H2290B10 only

Cabinet and drawer specifications

Side view

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.

TANDEM plus BLUMOTION

<table>
<thead>
<tr>
<th>cabinet depth</th>
<th>inside cabinet depth</th>
<th>drawer length</th>
<th>maximum drawer thickness</th>
<th>runner length</th>
</tr>
</thead>
<tbody>
<tr>
<td>563H330B</td>
<td>610 (24&quot;)</td>
<td>599 (23-19/32&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>533 (21&quot;)</td>
</tr>
<tr>
<td>563.5330B</td>
<td>610 (24&quot;)</td>
<td>—</td>
<td>557 (21-15/16&quot;)</td>
<td>533 (21&quot;)</td>
</tr>
<tr>
<td>563H4570B</td>
<td>533 (21&quot;)</td>
<td>522 (20-9/16&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>457 (18&quot;)</td>
</tr>
<tr>
<td>563.4570B</td>
<td>533 (21&quot;)</td>
<td>—</td>
<td>480 (18-29/32&quot;)</td>
<td>457 (18&quot;)</td>
</tr>
<tr>
<td>563H3810B</td>
<td>381 (15&quot;)</td>
<td>—</td>
<td>480 (18-29/32&quot;)</td>
<td>457 (18&quot;)</td>
</tr>
<tr>
<td>563H3050B</td>
<td>305 (12&quot;)</td>
<td>370 (14-9/16&quot;)</td>
<td>328 (12-29/32&quot;)</td>
<td>305 (12&quot;)</td>
</tr>
<tr>
<td>563H2290B10</td>
<td>229 (9&quot;)</td>
<td>—</td>
<td>299 (11-25/32&quot;)</td>
<td>229 (9&quot;)</td>
</tr>
</tbody>
</table>

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.

| T51.1901R       | Locking device with side adjustment (right) | 295.3700.22 | 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) | — | —                           |
### Panel application

#### Runner mounting specifications

**Side view**

<table>
<thead>
<tr>
<th>Model</th>
<th>Cabinet</th>
<th>Drawer</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>563H5330B</td>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>Mounting position 37 (1-1/16&quot;)</td>
</tr>
<tr>
<td>563.5330B</td>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>Setback 3 (1/8&quot;)</td>
</tr>
<tr>
<td>563H4570B</td>
<td>457 (18&quot;)</td>
<td>457 (18&quot;)</td>
<td>Minimum top clearance 6 (1/4&quot;)</td>
</tr>
<tr>
<td>563H3810B</td>
<td>381 (15&quot;)</td>
<td>381 (15&quot;)</td>
<td>Drawer gap 1.5 (1/16&quot;)</td>
</tr>
<tr>
<td>563H3050B</td>
<td>305 (12&quot;)</td>
<td>305 (12&quot;)</td>
<td>Maximum drawer height = opening minus 20 (25/32&quot;)</td>
</tr>
<tr>
<td>563H2290B10</td>
<td>229 (9&quot;)</td>
<td>229 (9&quot;)</td>
<td>Bottom recess 13 (1/2&quot;)</td>
</tr>
</tbody>
</table>

**Detail of front holes**

- 32 (1-1/4")
- 34 (1-11/32")
- 9 (11/32") typical
- 25 (31/32")

**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>Drawer</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>563H5330B</td>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>Inside cabinet depth</td>
</tr>
<tr>
<td>563.5330B</td>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>Minimum inside cabinet depth</td>
</tr>
<tr>
<td>563H4570B</td>
<td>457 (18&quot;)</td>
<td>457 (18&quot;)</td>
<td>Drawer length</td>
</tr>
<tr>
<td>563H3810B</td>
<td>381 (15&quot;)</td>
<td>381 (15&quot;)</td>
<td>Maximum drawer thickness</td>
</tr>
<tr>
<td>563H3050B</td>
<td>305 (12&quot;)</td>
<td>305 (12&quot;)</td>
<td>Runner length</td>
</tr>
</tbody>
</table>

**TANDEM plus BLUMOTION**

<table>
<thead>
<tr>
<th>Model</th>
<th>Cabinet</th>
<th>Minimum inside cabinet depth</th>
<th>Drawer length</th>
<th>Maximum drawer thickness</th>
<th>Runner length</th>
</tr>
</thead>
<tbody>
<tr>
<td>563H5330B</td>
<td>610 (24&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>533 (21&quot;)</td>
<td>548 (21-9/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>563.5330B</td>
<td>610 (24&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>533 (21&quot;)</td>
<td>548 (21-9/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>563H4570B</td>
<td>457 (18&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>457 (18&quot;)</td>
<td>471 (18-17/32&quot;)</td>
<td></td>
</tr>
<tr>
<td>563H3810B</td>
<td>381 (15&quot;)</td>
<td>404 (15-29/32&quot;)</td>
<td>381 (15&quot;)</td>
<td>395 (15-9/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>563H3050B</td>
<td>305 (12&quot;)</td>
<td>328 (12-29/32&quot;)</td>
<td>305 (12&quot;)</td>
<td>319 (12-9/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>563H2290B10</td>
<td>229 (9&quot;)</td>
<td>266 (10-15/32&quot;)</td>
<td>229 (9&quot;)</td>
<td>259 (10-3/16&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

**Options**

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

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

<table>
<thead>
<tr>
<th>Sub-front thickness</th>
<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>
<td>23 (29/32&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>23 (29/32&quot;)</td>
<td>26 (1-1/32&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>26 (1-1/32&quot;)</td>
<td>29 (1-5/32&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>19 (3/4&quot;)</td>
<td>22 (7/8&quot;)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sub-front thickness</th>
<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>
<td>20.5 (13/16&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>20.5 (13/16&quot;)</td>
<td>23.5 (15/16&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>23.5 (15/16&quot;)</td>
<td>26.5 (1-1/32&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>19 (3/4&quot;)</td>
<td>22 (7/8&quot;)</td>
</tr>
</tbody>
</table>

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

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

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

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

**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**

**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**

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

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

- **295.6410** Plug-in socket, non-handed
- **295.6400** Screw-on socket, non-handed

Depth adjustment specifications

Side view

- 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.

Bottom mounting specifications

Top view

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

Millimeter to inch conversion chart

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