### 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.

### 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.

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

**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
2

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

**Drawer box specifications**

**Front view**

- **Opening width**
- **Outside drawer width**
- **Opening width minus 49**
- **24.5 (31/32")**
- **Drawer side thickness maximum 19 (3/4")**
- **Maximum drawer height = opening minus 20 (25/32")**

**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 49 (1-15/16") for TANDEM to align and function optimally.

**Calculating outside drawer width**

<table>
<thead>
<tr>
<th>For drawer side thickness</th>
<th>19 (3/4&quot;)</th>
<th>18 (23/32&quot;)</th>
<th>17 (21/32&quot;)</th>
<th>16 (5/8&quot;)</th>
<th>15 (19/32&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deduct from opening width</td>
<td>11 (7/16&quot;)</td>
<td>13 (1/2&quot;)</td>
<td>15 (19/32&quot;)</td>
<td>17 (21/32&quot;)</td>
<td>19 (3/4&quot;)</td>
</tr>
</tbody>
</table>

**Example:** For 21" opening width and a 3/4" thick drawer, 21" minus 7/16" = 20-9/16" drawer width

**Drawer back preparation**

**Rear view**

- **26 x 10 Bore for hook**
- **7 (9/32")** Bottom clearance
- **11 (7/16")** Bottom recess
- **35 (1-3/8")** Minimum rear notch

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**

Pre-boring holes for locking devices

**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
Face Frame Application

Runner mounting specifications

Side view

- **533 (21") Drawer**
  - Cabinet: 610 (24")
  - Inside cabinet depth range: 557 to 599 (21-15/16" to 23-19/32")
  - Mounting position 10 (13/32")
  - Setback 3 (1/8")
  - Drawer length: 480 to 522 (18-29/32" to 20-9/16")

- **457 (18") Drawer**
  - Cabinet: 457 (18")
  - Inside cabinet depth range: 404 to 446 (15-29/32" to 17-9/16")
  - Mounting position 10 (13/32")
  - Setback 3 (1/8")
  - Drawer length: 328 to 370 (12-29/32" to 14-9/16")

- **381 (15") Drawer**
  - Cabinet: 381 (15")
  - Inside cabinet depth range: 328 to 370 (12-29/32" to 14-9/16")
  - Mounting position 10 (13/32")
  - Setback 3 (1/8")
  - Drawer length: 328 to 370 (12-29/32" to 14-9/16")

- **305 (12") Drawer**
  - Cabinet: 305 (12")
  - Inside cabinet depth range: 295 to 347 (11-3/32" to 13-3/32")
  - Mounting position 10 (13/32")
  - Setback 3 (1/8")
  - Drawer length: 259 to 305 (10-3/16" to 12")

- **229 (9") Drawer**
  - Cabinet: 229 (9")
  - Inside cabinet depth range: 229 to 275 (9-1/8" to 10-7/32")
  - Mounting position 10 (13/32")
  - Setback 3 (1/8")
  - Drawer length: 229 to 275 (9-1/8" to 10-7/32")

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

Cabinet and drawer specifications

Side view

- **563F5330B**
  - Cabinet depth: 563F5330B
  - Inside cabinet depth: 557 to 599 (21-15/16" to 23-19/32")
  - Drawer length: 480 to 522 (18-29/32" to 20-9/16")

- **563F4570B**
  - Cabinet depth: 563F4570B
  - Inside cabinet depth: 404 to 446 (15-29/32" to 17-9/16")
  - Drawer length: 328 to 370 (12-29/32" to 14-9/16")

- **563F3810B**
  - Cabinet depth: 563F3810B
  - Inside cabinet depth: 328 to 370 (12-29/32" to 14-9/16")
  - Drawer length: 328 to 370 (12-29/32" to 14-9/16")

- **563F3050B**
  - Cabinet depth: 563F3050B
  - Inside cabinet depth: 295 to 347 (11-3/32" to 13-3/32")
  - Drawer length: 259 to 305 (10-3/16" to 12")

- **563F2290B10**
  - Cabinet depth: 563F2290B10
  - Inside cabinet depth: 229 to 275 (9-1/8" to 10-7/32")
  - Drawer length: 229 to 275 (9-1/8" to 10-7/32")

**NOTE:** *These brackets are for 563F2290B10 only

<table>
<thead>
<tr>
<th>Bracket</th>
<th>Maximum depth</th>
<th>Minimum depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>295.3700.21</td>
<td>282 (11-3/32&quot;)</td>
<td>266 (10-15/32&quot;)</td>
</tr>
<tr>
<td>295.3700.22</td>
<td>299 (11-25/32&quot;)</td>
<td>283 (11-5/32&quot;)</td>
</tr>
</tbody>
</table>

**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>563F5330B</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>563F4570B</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>563F3810B</td>
<td>457 (18&quot;)</td>
<td>446 (17-9/16&quot;)</td>
<td>404 (15-29/32&quot;)</td>
<td>381 (15&quot;)</td>
</tr>
<tr>
<td>563F3050B</td>
<td>381 (15&quot;)</td>
<td>370 (14-9/16&quot;)</td>
<td>328 (12-29/32&quot;)</td>
<td>305 (12&quot;)</td>
</tr>
<tr>
<td>563F2290B10</td>
<td>305 (12&quot;)</td>
<td>299 (11-25/32&quot;)</td>
<td>266 (10-15/32&quot;)</td>
<td>229 (9&quot;)</td>
</tr>
</tbody>
</table>

**Locking Devices**

- **T51.1901R**
  - Locking device with side-to-side adjustment (right)
  - 295.3750.02 Rear mounting bracket, non-handed

- **T51.1901L**
  - Locking device with side-to-side adjustment (left)
  - 295.3700.21 563F2290B10 rear bracket, non-handed

- **T51.1801R**
  - Locking device (right)
  - 295.3700.22 563F2290B10 rear bracket, non-handed

- **T51.1801L**
  - Locking device (left)

**Mounting Screws**

- **606N or 606P**
  - #6 Wood screw (for mounting runner to cabinet side, rear brackets and locking devices)
Frameless Application

Runner mounting specifications

Side view

**Cabinet and drawer specifications**

Side view

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>Cabinet depth</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>563F5330B</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>563F4570B</td>
<td>480 (18&quot;)</td>
<td>457 (18&quot;)</td>
<td>457 (18&quot;)</td>
<td>471 (18-17/32&quot;)</td>
<td></td>
</tr>
<tr>
<td>563F3810B</td>
<td>404 (15-29/32&quot;)</td>
<td>381 (15&quot;)</td>
<td>381 (15&quot;)</td>
<td>395 (15-9/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>563F3050B</td>
<td>328 (12-29/32&quot;)</td>
<td>305 (12&quot;)</td>
<td>305 (12&quot;)</td>
<td>319 (12-9/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>563F2290B10</td>
<td>266 (10-15/32&quot;)</td>
<td>229 (9&quot;)</td>
<td>229 (9&quot;)</td>
<td>259 (10-3/16&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

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

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

Dimensions in millimeters (inch equivalents as noted)
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")

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")

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 front

Drawer sub-front

Mounting hole position

**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>563/569 F/A</th>
<th>Runner setback</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 (1/2&quot;)</td>
<td>17 (21/32&quot;)</td>
<td>20 (25/32&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>20 (25/32&quot;)</td>
<td>23 (29/32&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>23 (29/32&quot;)</td>
<td>26 (1-1/32&quot;)</td>
</tr>
</tbody>
</table>

Runner setback + Drawer front thickness minus 12 (15/32")

Runner setback when using all other locking devices

<table>
<thead>
<tr>
<th>Sub-front thickness</th>
<th>563/569 F/A</th>
<th>Runner setback</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 (1/2&quot;)</td>
<td>14.5 (9/16&quot;)</td>
<td>17.5 (11/16&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>17.5 (11/16&quot;)</td>
<td>20.5 (13/16&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>20.5 (13/16&quot;)</td>
<td>23.5 (15/16&quot;)</td>
</tr>
</tbody>
</table>

Runner front thickness

Calculating runner setback

563/569 F/A

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

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

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

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

**NOTE:** Runners 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

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

Dimensions in millimeters (inch equivalents as noted)
Attachment Specifications

Rear attachment options for face frame applications

Front view

- **295.3750.02** Rear mounting bracket, non-handed
- **295.3700.2x** For 563F2290B10, non-handed

Depth adjustment specifications

Side view

- **TANDEM plus BLUMOTION**
  - A: 244.5 (9-5/8")
  - B: 500.5 (19-23/32")
- **563F330B**
  - A: 244.5 (9-5/8")
  - B: 436.5 (17-3/16")
- **563F3810B**
  - A: 148.5 (5-27/32")
  - B: 340.5 (13-13/32")
- **563F3050B**
  - A: 148.5 (5-27/32")
  - B: 244.5 (9-5/8")
- **563F2290B10**
  - A: 116.5 (4-19/32")
  - B: 212.5 (8-3/8")

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

- **TANDEM plus BLUMOTION**
  - Drawer length
  - Minimum inside cabinet depth
  - X
  - Y
  - Z
- **563F330B**
  - 533 (21")
  - 557 (21-15/16")
  - 448 (17-5/8")
  - 15.5 (5/8")
  - 22.5 (7/8")
- **563F3810B**
  - 457 (18")
  - 480 (18-29/32")
  - 378 (14-7/8")
  - 15.5 (5/8")
  - 22.5 (7/8")

NOTE: Use at least three 606N or 606P installation screws for 295.3750.02 or 295.3700.2x

Millimeter to inch Conversion Chart

<table>
<thead>
<tr>
<th>Millimeters</th>
<th>1</th>
<th>1.5</th>
<th>2</th>
<th>2.5</th>
<th>3</th>
<th>3.5</th>
<th>4</th>
<th>4.5</th>
<th>5</th>
<th>5.5</th>
<th>6</th>
<th>6.5</th>
<th>7</th>
<th>7.5</th>
<th>8</th>
<th>8.5</th>
<th>9</th>
<th>9.5</th>
<th>10</th>
<th>10.5</th>
</tr>
</thead>
</table>

Dimensions in millimeters (inch equivalents as noted)