## TANDEM plus BLUMOTION 563F installation instructions

### 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>
</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.

### 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

**NOTE:** 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.

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

### 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**

**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**

**NOTE:** Side adjustment not available on T51.x8xx locking devices
**Drawer specifications**

### Face frame and panel cabinet applications

**Front view**

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening width</td>
<td>24.5 (31/32&quot;)</td>
</tr>
<tr>
<td>Inside drawer width = opening width minus 49</td>
<td>19 (3/4&quot;)</td>
</tr>
<tr>
<td>Drawer side thickness maximum</td>
<td>13 (1/2&quot;)</td>
</tr>
<tr>
<td>Bottom clearance</td>
<td>14 (9/16&quot;)</td>
</tr>
</tbody>
</table>

**NOTE:** Because material thickness may vary, the inside drawer width must equal opening width minus 49 for TANDEM to align and function properly.

### Preparing for hardware installation

**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.

**Diagram:**

- 6 mm bit with stop collar
- 2.5 mm bit with extension chuck
- 75°

**Drawer removal**

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

**Diagram:**

- Installation screw 606N or 606P
- Pre-boring holes for rear hooks
- TANDEM template T65.1600.01

**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.

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Subject to technical modifications without notice.
Face frame application

**Runner mounting specifications**

**Side view**

- **Mounting position 10 (13/32")**
- **Setback 3 (1/8")**
- **Bracket range 6 to 48 (1/4" to 1-7/8")**
- **Runner length**
- **Maximum drawer height = opening minus 20 (25/32")**
- **Bottom clearance 14 (9/16")**
- **Bottom recess 13 (1/2")**
- **Rear mount bracket**

**Mounting notes**:
- **32 (1-1/4")**
- **34 (1-11/32")**
- **9 (11/32") typical**
- **7 (9/32")**
- **37 (1-15/32")**
- **25 (31/32")**

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

**Cabinet and drawer specifications**

**Side view**

- **Cabinet depth**
- **Inside cabinet depth**
- **Drawer length**
- **Maximum drawer thickness**
- **Runner length**

**Model Specifications**:
- **563F3050B**
- **563F3810B**
- **563F4570B**
- **563F5330B**

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

**Bracket Range**
- **6 to 48 (1/4" to 1-7/8")**
- **25 (31/32")**
- **37 (1-15/32")**

**Locking Devices**
- **T51.1801L**
- **T51.1901R**

**Mounting Screws**
- **#6 Wood screw**

**Target Drawer Length**
- **Maximum**
- **Minimum**

**TANDEM plus BLUMOTION**

<table>
<thead>
<tr>
<th>Model</th>
<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>563F3300B</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>
<td>548 (21-9/16&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>
<td>471 (18-17/32&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>
<td>395 (15-9/16&quot;)</td>
</tr>
<tr>
<td>563F3050B</td>
<td>381 (15&quot;)</td>
<td>370 (14-19/16&quot;)</td>
<td>328 (12-29/32&quot;)</td>
<td>305 (12&quot;)</td>
<td>319 (12-9/16&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>
<td>259 (10-3/16&quot;)</td>
</tr>
</tbody>
</table>

**Rear Mounting Bracket**
- **Non-handed**
- **Wood screw**

**Subject to technical modifications without notice.**

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Runner mounting specifications

<table>
<thead>
<tr>
<th>Cabinet Depth</th>
<th>Drawer Length</th>
<th>Runner Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>610 (24&quot;)</td>
<td></td>
<td></td>
</tr>
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<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
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<td>563F3050B</td>
<td>563F2290B10</td>
<td></td>
</tr>
</tbody>
</table>

Cabinet and drawer specifications

<table>
<thead>
<tr>
<th>Cabinet Depth</th>
<th>Minimum Inside Cabinet Depth</th>
<th>Drawer Length</th>
<th>Maximum Drawer Height</th>
<th>Runner Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>610 (24&quot;)</td>
<td>557 (21-15/32&quot;)</td>
<td>533 (21&quot;)</td>
<td>20 (25/32&quot;)</td>
<td>548 (21-9/16&quot;)</td>
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</table>

TANDEM plus BLUMOTION

- 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)

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

Face frame application — complete blockout

Side view

runner setback (see table)  
Trials 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)  
Trials 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)  
Trials recommended

inside cabinet depth range

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

Setback information

Side view

drawer front

drawer sub-front

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

<table>
<thead>
<tr>
<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>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>20 (25/32&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>23 (29/32&quot;)</td>
</tr>
</tbody>
</table>

Sub-front thickness

563/569 F/A  sub-front thickness + drawer front thickness minus 12 (15/32")

Runner setback when using all other locking devices

<table>
<thead>
<tr>
<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>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>17.5 (11/16&quot;)</td>
</tr>
<tr>
<td>19 (3/4&quot;)</td>
<td>20.5 (13/16&quot;)</td>
</tr>
</tbody>
</table>

Sub-front thickness

563/569 F/A  sub-front thickness + drawer front thickness minus 14.5 (9/16")

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

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

Rear attachment options for face frame applications

Front view

| 295.3750.01 | rear mounting bracket, non-handed |
| 295.3700.2x | for 563F2290B10, non-handed |

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

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    | 13.5  | 14    | 15    | 16    | 17    | 17.5  | 18    | 19    | 20    | 20.5  | 21    | 22    | 23    | 24    | 24.5  | 25.4  |
|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|