**563H/563. Installation Instructions**

### Full Extension Concealed Runners

**Basic Components**

- **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

**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

**Depth Adjustable Locking Device**

- Locking device **T51.1901.PS** with side-to-side, height and depth adjustment

**Depth Adjustment on Runner**

- TANDEM 563 runners feature elongated holes that allow ±4.5 (3/16”) depth adjustment

### Dimensions in Millimeters (inch equivalents as noted)

**NOTE:** Side-to-side adjustment not available on T51.x8xx locking devices

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

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

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Preparation for hardware installation

### Drawer specifications

**Drawer box specifications**

**Front view**

- **Opening width**
- **Outside drawer width**
- **Opening width minus 42**
- **Drawer side thickness maximum 16 (5/8")**
- **Maximum drawer height = opening minus 20 (25/32")**
- **6 (1/4") minimum top clearance**
- **13 (1/2") bottom recess**
- **14 (9/16") bottom clearance**

#### Screws

- 606N or 606P
- 662.1150.HG

#### Notes:

- 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.

#### Calculating outside drawer width

<table>
<thead>
<tr>
<th>For drawer side thickness</th>
<th>16 (5/8&quot;)</th>
<th>15 (19/32&quot;)</th>
<th>14 (9/16&quot;)</th>
<th>13 (1/2&quot;)</th>
<th>12 (15/32&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deduct from opening width</td>
<td>10 (13/32&quot;)</td>
<td>12 (15/32&quot;)</td>
<td>14 (9/16&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>18 (23/32&quot;)</td>
</tr>
</tbody>
</table>

#### Example:

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

**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

**TANDEM template**

T65.1600.01

---

Dimensions in millimeters (inch equivalents as noted)
**Face frame application**

### Runner mounting specifications

**Side view**

- **563.4570B** 457 (18") drawer
- **563.5330B** 533 (21") drawer
- **563H3810B** 381 (15") drawer
- **563H3050B** 305 (12") drawer
- **563H2290B10** 229 (9") drawer

**563H5330B** 533 (21") drawer

**610 (24") cabinet**

- **Inside cabinet depth range**
  - 557 to 599 (21-15/16" to 23-19/32")

- **Mounting position**
  - 10 (13/32")

- **Setback**
  - 3 (1/8")

**533 (21") cabinet**

- **Blocking for frame applications**
  - 480 to 522 (18-29/32" to 20-9/16")

**457 (18") cabinet**

- **Blocking for frame applications**
  - 404 to 446 (15-29/32" to 17-9/16")

**381 (15") cabinet**

- **Detail of front holes**
  - 32 (1-1/4")
  - 34 (1-11/32")
  - 9 (11/32") typical
  - 7 (9/32")
  - 37 (1-15/32")
  - 25 (31/32")

**305 (12") cabinet**

- **Maximum depth**
  - 295.3700.21
  - 295.3700.22

- **Minimum depth**
  - 282 (11-3/32")
  - 299 (11-25/32")

**TANDEM plus BLUMOTION**

- **Cabinet depth**
  - Maximum
  - Minimum

### Cabinet and drawer specifications

**Side view**

- **Cabinet face**
  - Inside cabinet depth
  - Drawer length

- **Runner length**
  - Mounting position 10 (13/32")
  - Setback 3 (1/8")

- **Maximum top clearance**
  - 6 (1/4")

- **Minimum bottom clearance**
  - 6 (1/4")

- **Front gap**
  - 1.5 (1/16")

- **Target drawer length**
  - **Drawer thickness**
  - Bottom recess

- **Maximum drawer height**
  - Opening minus 20 (25/32")

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

**NOTE:** These brackets are for 563H2290B10 only.

**T51.1901R** Locking device with side-to-side adjustment (right)

**T51.1901L** Locking device with side-to-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)

**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.

---

**Dimensions in millimeters (inch equivalents as noted)**

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Panel application

Runner mounting specifications

Side view

<table>
<thead>
<tr>
<th>Dimensions in millimeters</th>
<th>(inch equivalents as noted)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cabinet and drawer specs</td>
<td></td>
</tr>
<tr>
<td>Inside cabinet depth</td>
<td>610 (24&quot;)</td>
</tr>
<tr>
<td>Minimum inside cabinet depth</td>
<td>557 (21-15/16&quot;)</td>
</tr>
<tr>
<td>Drawer length</td>
<td>533 (21&quot;)</td>
</tr>
<tr>
<td>Maximum drawer thickness</td>
<td>480 (18-29/32&quot;)</td>
</tr>
<tr>
<td>Runner length</td>
<td>328 (12-29/32&quot;)</td>
</tr>
<tr>
<td>Drawer thickness</td>
<td>229 (9&quot;)</td>
</tr>
</tbody>
</table>

Cabinet and drawer specs

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>563H5330B</td>
<td>610 (24&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>533 (21&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>328 (12-29/32&quot;)</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>480 (18-29/32&quot;)</td>
<td>328 (12-29/32&quot;)</td>
</tr>
<tr>
<td>563H4570B</td>
<td>457 (18&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>457 (18&quot;)</td>
<td>404 (15-29/32&quot;)</td>
<td>328 (12-29/32&quot;)</td>
</tr>
<tr>
<td>563.4570B</td>
<td>457 (18&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>457 (18&quot;)</td>
<td>404 (15-29/32&quot;)</td>
<td>328 (12-29/32&quot;)</td>
</tr>
<tr>
<td>563H3810B</td>
<td>305 (12&quot;)</td>
<td>328 (12-29/32&quot;)</td>
<td>305 (12&quot;)</td>
<td>266 (10-15/32&quot;)</td>
<td>229 (9&quot;)</td>
</tr>
<tr>
<td>563H2290B10</td>
<td>229 (9&quot;)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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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”)

Panel application

Side view

Runner setback (see table)
Trial recommended

inside cabinet depth

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

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”)

Panel 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

NOTE: Runner cannot be mounted below opening

Panel application

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

<table>
<thead>
<tr>
<th>Sub-front thickness</th>
<th>13 (1/2”)</th>
<th>16 (5/8”)</th>
<th>19 (3/4”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>563/569 H/..</td>
<td>20 (25/32”)</td>
<td>23 (29/32”)</td>
<td>26 (1-1/32”)</td>
</tr>
<tr>
<td>17.5 (11/16”)</td>
<td>20.5 (13/16”)</td>
<td>23.5 (15/16”)</td>
<td></td>
</tr>
<tr>
<td>17 (11/16”)</td>
<td>20.5 (13/16”)</td>
<td>23.5 (15/16”)</td>
<td></td>
</tr>
<tr>
<td>16 (5/8”)</td>
<td>19 (3/4”)</td>
<td>22 (7/8”)</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: 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

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

Panel application

Runner setback when using all other locking devices

<table>
<thead>
<tr>
<th>Sub-front thickness</th>
<th>13 (1/2”)</th>
<th>16 (5/8”)</th>
<th>19 (3/4”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>563/569 H/..</td>
<td>17.5 (11/16”)</td>
<td>20.5 (13/16”)</td>
<td>23.5 (15/16”)</td>
</tr>
<tr>
<td>17.5 (11/16”)</td>
<td>20.5 (13/16”)</td>
<td>23.5 (15/16”)</td>
<td></td>
</tr>
<tr>
<td>16 (5/8”)</td>
<td>19 (3/4”)</td>
<td>22 (7/8”)</td>
<td></td>
</tr>
</tbody>
</table>

NOTE: 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 11.5 (7/16”)

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

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### 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

![Rear attachment options](image)

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

#### Depth adjustment specifications

**Side view**

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>563H5330B</td>
<td>244.5 (9-5/8&quot;)</td>
<td>500.5 (19-23/32&quot;)</td>
</tr>
<tr>
<td>563.3330B</td>
<td>244.5 (9-5/8&quot;)</td>
<td>—</td>
</tr>
<tr>
<td>563H4570B</td>
<td>244.5 (9-5/8&quot;)</td>
<td>436.5 (17-3/16&quot;)</td>
</tr>
<tr>
<td>563.4570B</td>
<td>244.5 (9-5/8&quot;)</td>
<td>—</td>
</tr>
<tr>
<td>563H3810B</td>
<td>148.5 (5-27/32&quot;)</td>
<td>340.5 (13-13/32&quot;)</td>
</tr>
<tr>
<td>563H3050B</td>
<td>148.5 (5-27/32&quot;)</td>
<td>244.5 (9-5/8&quot;)</td>
</tr>
<tr>
<td>563H2290B10</td>
<td>116.5 (4-19/32&quot;)</td>
<td>212.5 (8-3/8&quot;)</td>
</tr>
</tbody>
</table>

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**

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>Drawer length</th>
<th>Minimum inside cabinet depth</th>
<th>X</th>
<th>Y</th>
<th>Z</th>
</tr>
</thead>
<tbody>
<tr>
<td>563H5330B</td>
<td>533 (21&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>448 (17-5/8&quot;)</td>
<td>12 (15/32&quot;)</td>
<td>19 (3/4&quot;)</td>
</tr>
<tr>
<td>563.3330B</td>
<td>533 (21&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>358 (14-3/32&quot;)</td>
<td>12 (15/32&quot;)</td>
<td>19 (3/4&quot;)</td>
</tr>
<tr>
<td>563H4570B</td>
<td>457 (18&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>378 (14-7/8&quot;)</td>
<td>12 (15/32&quot;)</td>
<td>19 (3/4&quot;)</td>
</tr>
<tr>
<td>563.4570B</td>
<td>457 (18&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>358 (14-3/32&quot;)</td>
<td>12 (15/32&quot;)</td>
<td>19 (3/4&quot;)</td>
</tr>
<tr>
<td>563H3810B</td>
<td>381 (15&quot;)</td>
<td>404 (15-29/32&quot;)</td>
<td>319 (12-9/16&quot;)</td>
<td>12 (15/32&quot;)</td>
<td>19 (3/4&quot;)</td>
</tr>
</tbody>
</table>

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| 1   |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|

Dimensions in millimeters (inch equivalents as noted)

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