TANDEM plus BLUMOTION

Premium Concealed Runners for Wood Drawers

blum.com
TANDEM plus BLUMOTION

TANDEM plus BLUMOTION brings together all of the features, innovations and benefits that Blum has developed since first manufacturing drawer runners in the early 1960s. The first time you open and close a fully loaded drawer, you will quickly realize that TANDEM plus BLUMOTION concealed runners are unmatched in quality, style and running action.
Made in the USA

 Manufactured at our North Carolina facility, TANDEM plus BLUMOTION concealed runners are mounted discreetly beneath the drawer and have the quietest opening and softest closing action available.

 These top-of-the-line concealed runners are the industry choice for dovetail drawers in high-end cabinetry, in either face frame or frameless.
Adjustable and Versatile

TANDEM plus BLUMOTION concealed runners offer four-dimensional adjustment, elongated holes for depth adjustment, bottom mount holes and exceptional load capacity.

The availability of a wide variety of locking devices, rear mounting brackets, sockets and templates make installation virtually effortless.

The Right Solution for Every Drawer

These concealed runners are the perfect solution for virtually any drawer. Kitchens, vanities, closets, home office and furniture all benefit from the smooth running and soft closing action of TANDEM plus BLUMOTION.

The customer only sees the beauty of the wood drawers while experiencing the quality of motion and soft closing they have come to expect from Blum products.
### Overview

<table>
<thead>
<tr>
<th>Drawer length</th>
<th>Full extension</th>
<th>Full extension with BLUMOTION</th>
<th>Heavy duty full extension with BLUMOTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Maximum drawer thickness</td>
<td>Maximum drawer thickness</td>
<td>Maximum drawer thickness</td>
</tr>
<tr>
<td>9&quot;</td>
<td>5/8&quot;</td>
<td>5/8&quot;</td>
<td>3/4&quot;</td>
</tr>
<tr>
<td>12&quot;</td>
<td>562H</td>
<td>563H</td>
<td>563F</td>
</tr>
<tr>
<td>15&quot;</td>
<td>563H and 563.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18&quot;</td>
<td>563H</td>
<td>569H</td>
<td>569F</td>
</tr>
<tr>
<td>21&quot;</td>
<td>569.</td>
<td>569A</td>
<td></td>
</tr>
<tr>
<td>24&quot;</td>
<td></td>
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</tr>
<tr>
<td>27&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Capacity static/dynamic:

<table>
<thead>
<tr>
<th>Full extension</th>
<th>Full extension with BLUMOTION</th>
<th>Heavy duty full extension with BLUMOTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>100/75 lb</td>
<td>100/90 lb*</td>
<td>150/135 lb*</td>
</tr>
</tbody>
</table>

*Per ANSI/BHMA A156.9 Grade 1 standards on a 21" length drawer box

### Standard lengths

```
12" 15" 18" 21" 24" 27" 30" 33"
9" 12" 15" 18" 21" 24" 27" 30"
```

TANDEM series runners are based on the American standard 3" cabinet depth system, therefore runner lengths are in 3" increments. TANDEM plus runners are available for drawers from 9" to 30" in length.

### Planning Tools

Blum has downloadable Excel® spreadsheets that provide the required parts and calculate the mounting locations for your application.

Planning tools are easily accessible on our website at [blum.com/planning](http://blum.com/planning)
ISO 9001
Blum, Inc. is ISO 9001 certified which means that you are assured of consistent quality in every Blum product.

ANSI/BHMA
All Blum runners meet or exceed ANSI/BHMA A156.9 Grade 1 requirements. Contact your local Blum representative for more details.

General Information
All Blum hardware undergoes strict quality control procedures through all stages of production. Blum hardware is designed for cabinets and cabinet components made from wood, melamine or MDF. Careful attention must be paid to installation and operating instructions when using Blum hardware (see catalogs and instruction sheets for all technical information). The manufacturer must decide on the screws or attachment methods to suit the material being used (i.e. wood, melamine, etc.). The hardware must not be exposed to acidic or corrosive materials (i.e. some household cleaning solutions). To ensure that Blum hardware functions correctly, it must be kept clean and undamaged. For any additional information please contact your Blum representative. Anyone selling Blum hardware must ensure that their customer is aware of any relevant information given in this catalog.

Conditions of Sale and Delivery
All deliveries and services are based on the “general conditions of sale” which are available upon request. The technical presentations and dimensions in illustrations are non-binding. We reserve the right to make changes to specifications at any time. We do not accept any responsibility for any errors which may occur in the production of this catalog.
**General Specifications**

## Complete Runner System
- Full extension concealed runners with BLUMOTION soft close
- Zinc-coated steel
- Concealed roller carriage with permanently lubricated synthetic rollers
- Available in standard and heavy duty
- H and A series for drawers up to 3/4" side material thickness
- F and A series for drawers up to 3/4" side material thickness
- Elongated holes for depth adjustment
- Bottom mount holes on 15", 18" and 21" standard duty
- Tool-free tilt adjustment
- Tool-free rear side-to-side adjustment

## Locking Devices
- Stamped steel or zinc die-cast base with synthetic, spring-loaded release levers
- Captive right device, self-aligning left device
- Self-adjusting drawer length tolerance
- Tool-free height adjustment
- Tool-free front side-to-side adjustment
- Available with depth adjustment
- Available for narrow drawers

## Rear Mounting Options
- Zinc-coated steel brackets or nylon sockets
- Depth and lateral self-alignment

## One Runner for All Applications
TANDEM runners are designed for the American 3" increment cabinet depth system. This feature permits overlay or inset applications to use the same runner. Full length runners make installation in frameless or face frame cabinets possible.

## Load Capacities
- 100 lb static, 90 lb dynamic for TANDEM plus BLUMOTION 563 series
- 150 lb static, 135 lb dynamic for TANDEM plus BLUMOTION 569 series

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### Drawer components

*NOTE:* For 563. and 569 series, rear brackets and sockets cannot be used. Cabinet sides must be blocked-out flush with the inside of the face frame.

<table>
<thead>
<tr>
<th>Locking devices</th>
<th>Rear mounting options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Locking devices allow easy insertion and removal of drawers</td>
<td>For use when installing TANDEM runners in face frame cabinets. Not necessary for frameless cabinet installation.</td>
</tr>
</tbody>
</table>

---

### Accessories

- A required assembly aid for the pre-boring of TANDEM locking device screw holes and rear hook holes

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Front 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.

T51.1901.xx with side-to-side adjustment

Maximum 1.5 (1/16") to left or right (tool-free)

NOTE: Not available on T51.x8xx locking devices

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.

Maximum 1.5 (1/16") to left or right (tool-free)

NOTE: The left rear hook is a different design and allows for drawer width tolerances

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 2.5 (3/32") out adjustment

Depth adjustment on runner

TANDEM 563 and 569 runners feature elongated holes that allow ± 4.5 (3/16") depth adjustment

Height adjustment

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

Maximum 3 (1/8") rise of drawer front (tool-free)

NOTE: Height adjustment available on all TANDEM locking devices

Tilt adjustment

Rotate the tilt adjustment lever on the rear of each runner to tilt the top of the drawer front forward

Maximum 5 (3/16") rise of drawer back (tool-free)
Step 1

Measure cabinet opening

Cabinet opening measurements are needed to determine drawer box size.

Step 2

Select TANDEM runners

Choose the TANDEM runner that best fits your desired application, drawer side thickness, load capacity and cabinet depth. Then go to the corresponding catalog page for more specific information.

Step 3

Preparing drawer boxes

Build drawers according to the specifications given for the TANDEM runners you chose and the measurements determined in Step 1. Install appropriate locking devices and bore holes to accept rear hooks.

Step 4

Attach runners to cabinet

Using the mounting information given for the TANDEM runners you chose, mount the TANDEM runners in the cabinet.

Step 5

Insert drawers

Extend the runners fully. Place the drawer on the runners and close. The locking devices automatically engage with the runners. Make adjustments if necessary.

Step 6

Drawer removal

Squeeze orange handles on locking devices and pull drawer straight out and up.
**Drawer Preparation**

### Rear Notching

**Dimensions**

- **Drawers must be notched in the back to accommodate TANDEM runners**
- **Option – no notching**
  - Make the back panel shorter and extend the drawer bottom to the back of the drawer

**Rear view**

- **The notches must be flush with the drawer sides and bottom**

**NOTE:** TIP-ON for TANDEM plus requires 85 (3-11/32”) notch

### Rear Boring

**Dimensions**

- **Drawers require Ø6 holes bored on each side of the back panel to accept the hooks on the back of TANDEM runners**

**Boring**

1. Place template over the drawer side
2. Position template so that the center rib rests against the inside face of the drawer side
3. Set stop collar on Ø6 bit so that it will bore 10 (13/32”) deep
4. Hold template firmly and bore hole
5. Repeat on other side

**NOTE:** Using the T65.1600.01 Concealed Runner Template is highly recommended

### Locking Devices

**Installation**

1. Position the Ø2.5 drill bit into the extension chuck so that it will bore 10 (13/32”) deep
2. Place template into the front corner of the drawer
3. Bore two holes and repeat on other side
4. Attach locking devices with #6 x 5/8” deep thread wood screws (606N or 606P)

**NOTE:** The mounting screws must go in at a precise angle and the locking device must fit flush to the drawer bottom to ensure proper function of the complete drawer system

**NOTE:** Using the T65.1600.01 Concealed Runner Template is highly recommended
TANDEM plus BLUMOTION

Application

Features
- Four-dimensional adjustment
- Elongated holes for depth adjustment
- Bottom mount holes
- 100 lb static load capacity

Description
- Full extension concealed runners
- Frameless or blocked-out face frame cabinets
- BLUMOTION soft closing
- TANDEM smooth running action
- Available in 18” and 21” lengths
- 13 (1/2") to 16 (5/8") drawer thickness
- Made in the USA

Other Applications

Components

Runner set
One set required per drawer

<table>
<thead>
<tr>
<th>For overall cabinet depth</th>
<th>Drawer length</th>
<th>TANDEM plus BLUMOTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>563.5330B</td>
</tr>
<tr>
<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
<td>563.4570B</td>
</tr>
</tbody>
</table>

Wood screw for installation 606N or 606P
System screw for installation 662.1150.HG

Standard locking device with side-to-side adjustment
- One right and one left required per drawer
- Captive right and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Minimum inside drawer width 170 (6-11/16")
- Height adjustment +3 (1/8")
- Side-to-side adjustment ±1.5 (1/16")
- For use with 563/569 series runners only or other options see page 32

Part no.

Right locking device T51.1901 R
Left locking device T51.1901 L
Installation screw 606N or 606P

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. See page 13.
**Drawer and Cabinet Specifications**

- **Maximum drawer thickness**: 16 (5/8”)
- **Lengths available**: 18” - 21”
- **Static load capacity**: 100 lb

**TANDEM plus BLUMOTION**

**Drawer back preparation**

**Side view**

**NOTE:** Same hole pattern as the 563H

**Runner comparison**

**563.**

**563H**

**NOTE:** For 21” opening width and a 5/8” thick drawer, 21” minus 13/32” = 20-19/32” drawer width

**Runner close-up**

**NOTE:** Elongated holes are for ±4.5 (3/16”) depth adjustment only. Additional screws must be used to secure the runner to the cabinet.

### Drawer box specifications

**Front view**

- **Maximum drawer thickness**: 16 (5/8”)
- **Lengths available**: 18” - 21”
- **Static load capacity**: 100 lb

**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 42 (1-21/32”) for TANDEM to align and function optimally.

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

**Example:** For 21” opening width and a 5/8” thick drawer, 21” minus 13/32” = 20-19/32” drawer width

**Calculating outside drawer width**

- **Opening width**: 
- **Opening width minus 42 (1-21/32”)**: 
- **Bottom clearance**: 
- **Minimum top clearance**: 7 (9/32”)

**NOTE:** The orange dots indicate fixing screw locations required to meet specified load ratings

<table>
<thead>
<tr>
<th><strong>TANDEM plus BLUMOTION</strong></th>
<th><strong>Drawer length</strong></th>
<th><strong>Minimum inside cabinet depth</strong></th>
<th><strong>Runner length</strong></th>
<th><strong>Screw location</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>563.3330B</td>
<td>533 (21”)</td>
<td>557 (21-15/16”)</td>
<td>548 (21-9/16”)</td>
<td>A</td>
</tr>
<tr>
<td>563.4570B</td>
<td>457 (18”)</td>
<td>480 (18-29/32”)</td>
<td>471 (18-17/32”)</td>
<td>261 (10-9/32”)</td>
</tr>
</tbody>
</table>

**Runner mounting specifications**

**Side view**

- **Blocking for frame applications**: 
- **3 (1/8”) Setback**: 
- **A**: 

**NOTE:** The orange dots indicate fixing screw locations required to meet specified load ratings.
TANDEM plus BLUMOTION

TANDEM plus BLUMOTION 563H

Application

Features
- Four-dimensional adjustment
- Elongated holes for depth adjustment
- Bottom mount holes on 15", 18" and 21"
- 100 lb static load capacity

Description
- Full extension concealed runners
- Face frame or frameless cabinets
- BLUMOTION soft closing
- TANDEM smooth running action
- Available in 9" to 21" lengths
- 13 (1/2") to 16 (5/8") drawer thickness
- Made in the USA

Basic Components

Features
- Full extension concealed runners
- Face frame or frameless cabinets
- BLUMOTION soft closing
- TANDEM smooth running action
- Available in 9" to 21" lengths
- 13 (1/2") to 16 (5/8") drawer thickness
- Made in the USA

Basic Components

Other Applications

Inset drawer pg 22
Narrow drawer pg 24
Roll-out shelf pg 28
Bottom mount pg 29

Components

Runner set
One set required per drawer

For overall cabinet depth | Drawer length | TANDEM plus BLUMOTION
---|---|---
610 (24") | 533 (21") | 563H5330B
533 (21") | 457 (18") | 563H4570B
457 (18") | 381 (15") | 563H3810B
381 (15") | 305 (12") | 563H3050B
305 (12") | 229 (9") | 563H2290B10
Wood screw for installation 606N or 606P
System screw for installation 662.1150.HG

Standard locking device with side-to-side adjustment
- One right and one left required per drawer
- Captive right and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Minimum inside drawer width 170 (6-11/16")
- Height adjustment +3 (1/8")
- Side-to-side adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 32

Part no.
Right locking device T51.1901 R
Installation
Left locking device T51.1901 L

Rear mounting bracket for frame cabinets
For use when installing TANDEM runners in face frame cabinets. Not necessary for frameless cabinet installation.
- Two required per drawer
- Depth and lateral self-alignment
- Zinc-coated steel
- For 9" TANDEM rear attachment options see page 35

Part no.
Non-handed bracket 295.3750.02
Installation screw 606N or 606P

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Drawer and Cabinet Specifications

- **Maximum drawer thickness**: 16 (5/8")
- **Lengths available**: 9" - 21"
- **Static load capacity**: 100 lb

**Drawer box specifications**

**Front view**

- **Opening width**
- **Outside drawer width**
- **Opening width minus 42 (1-21/32")**
- **21 (13/16")**
- **Drawer side thickness**
- **Maximum 16 (5/8")**
- **7 (9/32")**
- **Minimum top clearance**

**Screws**

- **605N or 605P**
- **662.1150.HG**

**Rear mounting bracket**

- **37 (1-5/32")**
- **Bottom clearance**
- **13 (1/2")**

**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 42 (1-21/32") for TANDEM to align and function optimally.

**Calculating outside drawer width**

- For drawer side thickness
  - 16 (5/8")
  - 15 (19/32")
  - 14 (9/16")
  - 13 (1/2")
  - 12 (15/32")

- Deduct from opening width
  - 10 (13/32")
  - 12 (15/32")
  - 14 (9/16")
  - 16 (5/8")

**Example:** For 21” opening width and a 5/8” thick drawer, 21” minus 13/32” = 20-19/32” drawer width

**Runner mounting specifications**

**Side view**

- **Rear mounting bracket**
- **295.3750.02**
- **606N or 605P**

**NOTE:** The orange dots indicate fixing screw locations required to meet specified load ratings

**Runner close-up**

- **32 (1-1/4")**
- **34 (1-11/32")**
- **7 (9/32") Typical**
- **20.5 (13/16")**

**NOTE:** Elongated holes are for ±4.5 (3/16") depth adjustment only. Additional screws must be used to secure the runner to the cabinet.

**Screw locations for frameless cabinets**

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>Drawer length</th>
<th>Inside cabinet depth with rear attachment</th>
<th>Runner length</th>
</tr>
</thead>
<tbody>
<tr>
<td>563H5330B</td>
<td>533 (21&quot;)</td>
<td>599 (23-19/32&quot;)</td>
<td>548 (21-9/16&quot;)</td>
</tr>
<tr>
<td>563H4570B</td>
<td>457 (18&quot;)</td>
<td>522 (20-9/16&quot;)</td>
<td>471 (18-17/32&quot;)</td>
</tr>
<tr>
<td>563H3810B</td>
<td>381 (15&quot;)</td>
<td>446 (17-9/16&quot;)</td>
<td>395 (15-9/16&quot;)</td>
</tr>
<tr>
<td>563H3050B</td>
<td>305 (12&quot;)</td>
<td>370 (14-9/16&quot;)</td>
<td>319 (12-9/16&quot;)</td>
</tr>
<tr>
<td>563H2290B10</td>
<td>229 (9&quot;)</td>
<td>299 (11-25/32&quot;)</td>
<td>259 (10-15/32&quot;)</td>
</tr>
</tbody>
</table>

**NOTE:** For frame applications, use a minimum of three screws per bracket.
Application

TANDEM plus BLUMOTION

Features

- Four-dimensional adjustment
- Elongated holes for depth adjustment
- Bottom mount holes on 15", 18" and 21"
- 100 lb static load capacity

Description

- Full extension concealed runners
- Face frame or frameless cabinets
- BLUMOTION soft closing
- TANDEM smooth running action
- Available in 9" to 21" lengths
- 16 (5/8") to 19 (3/4") drawer thickness
- Made in the USA

Basic Components

Component images with descriptions:
- Rear bracket (face frame only)
- Locking device
- Runner

Other Applications

Inset drawer pg 22
Narrow drawer pg 24
Roll-out shelf pg 28
Bottom mount pg 29

Components

Runner set

<table>
<thead>
<tr>
<th>For overall cabinet depth</th>
<th>Drawer length</th>
<th>TANDEM plus BLUMOTION</th>
</tr>
</thead>
<tbody>
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<td>610 (24&quot;)</td>
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<td>563F5330B</td>
</tr>
<tr>
<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
<td>563F4570B</td>
</tr>
<tr>
<td>457 (18&quot;)</td>
<td>381 (15&quot;)</td>
<td>563F3810B</td>
</tr>
<tr>
<td>381 (15&quot;)</td>
<td>305 (12&quot;)</td>
<td>563F3050B</td>
</tr>
<tr>
<td>305 (12&quot;)</td>
<td>229 (9&quot;)</td>
<td>563F2290B10</td>
</tr>
</tbody>
</table>

Wood screw for installation 606N or 606P
System screw for installation 662.1150.HG

Standard locking device with side-to-side adjustment

- One right and one left required per drawer
- Captive right and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Minimum inside drawer width 170 (6-11/16")
- Height adjustment ±3 (1/8")
- Side-to-side adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 32

Part no.

Right locking device T51.1901 R
Installation Left locking device T51.1901 L

Rear mounting bracket for frame cabinets

For use when installing TANDEM runners in face frame cabinets. Not necessary for frameless cabinet installation.

- Two required per drawer
- Depth and lateral self-alignment
- Zinc-coated steel
- For 9" TANDEM rear attachment options see page 35

Part no.

Non-handed bracket 295.3750.02
Installation screw 606N or 606P
Drawer and Cabinet Specifications

TANDEM plus BLUMOTION

- Maximum drawer thickness: 19 (3/4")
- Lengths available: 9" - 21"
- Static load capacity: 100 lb

---

**Drawer box specifications**

**Front view**

- Opening width
- Outside drawer width
- Drawer side thickness
- Maximum drawer thickness: 19 (3/4")

**Rear view**

- Minimum top clearance (7 (9/32")
- Bore for hook (35 (1-3/8")

**Rear mounting bracket**

- Face frame rail
- Face frame stile
- Face frame rail
- Face frame stile

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**Drawer back preparation**

- Rear view
  - 66 x 10 (Bore for hook)

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**Runner mounting specifications**

**Side view**

- Runner length
- Inside cabinet depth
- Inside cabinet depth

**Runner close-up**

- Elongated holes are for ±4.5 (3/16") depth adjustment only. Additional screws must be used to secure the runner to the cabinet.

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**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**

For drawer side thickness

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Minimum Inside Width</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 (3/4&quot;)</td>
<td>18 (23/32&quot;)</td>
</tr>
<tr>
<td>18 (23/32&quot;)</td>
<td>17 (21/32&quot;)</td>
</tr>
<tr>
<td>17 (21/32&quot;)</td>
<td>16 (5/8&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>15 (19/32&quot;)</td>
</tr>
<tr>
<td>15 (19/32&quot;)</td>
<td>14 (9/16&quot;)</td>
</tr>
</tbody>
</table>

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

**NOTE:** The orange dots indicate fixing screw locations required to meet specified load ratings.

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>Drawer length</th>
<th>Inside cabinet depth with rear attachment</th>
<th>Runner length</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Maximum</td>
<td>Minimum</td>
</tr>
<tr>
<td>563F5330B</td>
<td>533 (21&quot;)</td>
<td>599 (23-19/32&quot;)</td>
<td>557 (21-15/16&quot;)</td>
</tr>
<tr>
<td>563F4570B</td>
<td>457 (18&quot;)</td>
<td>522 (20-9/16&quot;)</td>
<td>480 (18-29/32&quot;)</td>
</tr>
<tr>
<td>563F3810B</td>
<td>381 (15&quot;)</td>
<td>446 (17-9/16&quot;)</td>
<td>404 (15-29/32&quot;)</td>
</tr>
<tr>
<td>563F3050B</td>
<td>305 (12&quot;)</td>
<td>370 (14-9/16&quot;)</td>
<td>328 (12-29/32&quot;)</td>
</tr>
<tr>
<td>563F2290B10</td>
<td>229 (9&quot;)</td>
<td>299 (11-25/32&quot;)</td>
<td>266 (10-15/32&quot;)</td>
</tr>
</tbody>
</table>

**Screw locations for frameless cabinets**

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>Screw locations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>A</td>
</tr>
<tr>
<td></td>
<td>B</td>
</tr>
<tr>
<td>563F5330B</td>
<td>533 (21&quot;)</td>
</tr>
<tr>
<td>563F4570B</td>
<td>457 (18&quot;)</td>
</tr>
<tr>
<td>563F3810B</td>
<td>381 (15&quot;)</td>
</tr>
<tr>
<td>563F3050B</td>
<td>305 (12&quot;)</td>
</tr>
<tr>
<td>563F2290B10</td>
<td>229 (9&quot;)</td>
</tr>
</tbody>
</table>
TANDEM plus BLUMOTION 569H/569. Heavy Duty

Application

Features

- Four-dimensional adjustment
- Elongated holes for depth adjustment
- 150 lb static load capacity

Description

- Full extension concealed runners
- Frameless or blocked-out face frame cabinets
- BLUMOTION soft closing
- TANDEM smooth running action
- Available in 18" to 30" lengths
- 13 (1/2") to 16 (5/8") drawer thickness

Basic Components

Other Applications

Components

Runner set

<table>
<thead>
<tr>
<th>One set required per drawer</th>
<th>For overall cabinet depth</th>
<th>Drawer length</th>
<th>TANDEM plus BLUMOTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>838 (33&quot;)</td>
<td>762 (30&quot;)</td>
<td>569.7620B</td>
<td></td>
</tr>
<tr>
<td>762 (30&quot;)</td>
<td>686 (27&quot;)</td>
<td>569.6860B</td>
<td></td>
</tr>
<tr>
<td>686 (27&quot;)</td>
<td>610 (24&quot;)</td>
<td>569.6100B</td>
<td></td>
</tr>
<tr>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>569H5330B</td>
<td></td>
</tr>
<tr>
<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
<td>569H4570B</td>
<td></td>
</tr>
</tbody>
</table>

Wood screw for installation 606N or 606P
System screw for installation 662.1150.HG

Standard locking device with side-to-side adjustment

- One right and one left required per drawer
- Captive right and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Minimum inside drawer width 170 (6-11/16")
- Height adjustment +3 (1/8")
- Side-to-side adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 32

Part no.
Right locking device T51.1901 R
Installation Left locking device T51.1901 L
page 11
Installation screw 606N or 606P

NOTE: For heavy duty applications, rear brackets and sockets cannot be used. Cabinet sides must be blocked-out flush with the inside of the frame. See page 19.
Drawer and Cabinet Specifications

Maximum drawer thickness: 16 (5/8")
Lengths available: 18" - 30"
Static load capacity: 150 lb

TANDEM plus BLUMOTION

Maximum drawer thickness: 16 (5/8")
Lengths available: 18" - 30"
Static load capacity: 150 lb

**Drawer box specifications**

**Front view**

<table>
<thead>
<tr>
<th>Screws</th>
<th>605N or 606P or 662,1150.HG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening width</td>
<td></td>
</tr>
<tr>
<td>Outside drawer width</td>
<td></td>
</tr>
<tr>
<td>Opening width minus 42 (1-21/32&quot;)</td>
<td></td>
</tr>
<tr>
<td>21 (13/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>Drawer side thickness maximum 16 (5/8&quot;)</td>
<td></td>
</tr>
<tr>
<td>7 (9/32&quot;) Minimum top clearance</td>
<td></td>
</tr>
<tr>
<td>Maximum drawer height = opening minus 21 (13/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>14 (9/16&quot;) Bottom clearance</td>
<td></td>
</tr>
<tr>
<td>13 (1/2&quot;) Bottom recess</td>
<td></td>
</tr>
</tbody>
</table>

**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 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

**Runner mounting specifications**

**Side view**

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>Drawer length</th>
<th>Minimum inside cabinet depth</th>
<th>Runner length</th>
</tr>
</thead>
<tbody>
<tr>
<td>569.7620B</td>
<td>762 (30&quot;)</td>
<td>786 (30-15/16&quot;)</td>
<td>777 (30-19/32&quot;)</td>
</tr>
<tr>
<td>569.6860B</td>
<td>686 (27&quot;)</td>
<td>709 (27-29/32&quot;)</td>
<td>700 (27-9/16&quot;)</td>
</tr>
<tr>
<td>569.6100B</td>
<td>610 (24&quot;)</td>
<td>634 (24-31/32&quot;)</td>
<td>625 (24-19/32&quot;)</td>
</tr>
<tr>
<td>569H5330B</td>
<td>533 (21&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>548 (21-9/16&quot;)</td>
</tr>
<tr>
<td>569H4570B</td>
<td>457 (18&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>471 (18-17/32&quot;)</td>
</tr>
</tbody>
</table>

**NOTE:** The orange dots indicate fixing screw locations required to meet specified load ratings

**Screw locations for frameless cabinets**

<table>
<thead>
<tr>
<th>Screw locations</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>261 (10-9/32&quot;)</td>
<td>389 (15-5/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
<td>389 (15-5/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
<td>389 (15-5/16&quot;)</td>
<td></td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
<td>517 (20-11/32&quot;)</td>
<td></td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
<td>453 (17-27/32&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

**NOTE:** Elongated holes are for ±4.5 (3/16") depth adjustment only. Additional screws must be used to secure the runner to the cabinet.
TANDEM plus BLUMOTION 569F/569A Heavy Duty

Application

Features
- Four-dimensional adjustment
- Elongated holes for depth adjustment
- 150 lb static load capacity

Description
- Full extension concealed runners
- Frameless or blocked-out face frame cabinets
- BLUMOTION soft closing
- TANDEM smooth running action
- Available in 18” to 30” lengths
- 16 (5/8”) to 19 (3/4”) drawer thickness

Basic Components

Other Applications

Components

Runner set

One set required per drawer

<table>
<thead>
<tr>
<th>For overall cabinet depth</th>
<th>Drawer length</th>
<th>TANDEM plus BLUMOTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>838 (33&quot;)</td>
<td>762 (30&quot;)</td>
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</tr>
<tr>
<td>762 (30&quot;)</td>
<td>686 (27&quot;)</td>
<td>569A6860B</td>
</tr>
<tr>
<td>686 (27&quot;)</td>
<td>610 (24&quot;)</td>
<td>569A6100B</td>
</tr>
<tr>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>569F5330B</td>
</tr>
<tr>
<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
<td>569F4570B</td>
</tr>
</tbody>
</table>

Wood screw for installation 606N or 606P
System screw for installation 662.1150.HG

NOTE: For heavy duty applications, rear brackets and sockets cannot be used. Cabinet sides must be blocked-out flush with the inside of the frame. See page 21.

Standard locking device with side-to-side adjustment

- One right and one left required per drawer
- Captive right and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Minimum inside drawer width 170 (6-11/16")
- Height adjustment ±3 (1/8")
- Side-to-side adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 32

Part no.
Right locking device T51.1901 R
Left locking device T51.1901 L
Installation screw 606N or 606P
**Drawer and Cabinet Specifications**

- **Maximum drawer thickness**: 19 (3/4")
- **Lengths available**: 18” - 30”
- **Static load capacity**: 150 lb

---

**Drawer box specifications**

**Front view**

- Opening width
- Outside drawer width
- Opening width minus 49 (1-15/16")
- Maximum drawer height = opening minus 21 (13/16”)
- Minimum top clearance

**Screws**

- 606N or 606P
- 662.1150.HG

**Rear view**

- 7 (9/32”) Bore for hook
- 13 (1/2") Minimum rear notch

**Side view**

- 7 (9/32”) Minimum top clearance

**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”)</th>
<th>18 (23/32”)</th>
<th>17 (21/32”)</th>
<th>16 (5/8”)</th>
<th>15 (19/32”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deduct from opening width</td>
<td>11 (7/16”)</td>
<td>13 (1/2”)</td>
<td>15 (19/32”)</td>
<td>17 (21/32”)</td>
<td>19 (3/4”)</td>
</tr>
</tbody>
</table>

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

---

**Runner mounting specifications**

**Side view**

- Blocking for frame applications
- Inside cabinet depth
- Runner length

**NOTE:** The orange dots indicate fixing screw locations required to meet specified load ratings

<table>
<thead>
<tr>
<th>TANDEM plus BLUMOTION</th>
<th>Drawer length</th>
<th>Minimum inside cabinet depth</th>
<th>Runner length</th>
</tr>
</thead>
<tbody>
<tr>
<td>569A7620B</td>
<td>762 (30&quot;)</td>
<td>786 (30-15/16&quot;)</td>
<td>777 (30-19/32&quot;)</td>
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<tr>
<td>569A8680B</td>
<td>686 (27&quot;)</td>
<td>709 (27-29/32&quot;)</td>
<td>700 (27-9/16&quot;)</td>
</tr>
<tr>
<td>569A6100B</td>
<td>610 (24&quot;)</td>
<td>634 (24-31/32&quot;)</td>
<td>625 (24-19/32&quot;)</td>
</tr>
<tr>
<td>569F5330B</td>
<td>533 (21&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>548 (21-9/16&quot;)</td>
</tr>
<tr>
<td>569F4570B</td>
<td>457 (18&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>471 (18-17/32&quot;)</td>
</tr>
</tbody>
</table>

**Screw locations for frameless cabinets**

<table>
<thead>
<tr>
<th>Screw locations for frameless cabinets</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
</tr>
<tr>
<td>261 (10-9/32&quot;)</td>
</tr>
</tbody>
</table>

---

**Runner close-up**

- 32 (1-1/4")
- 34 (1-11/32")
- 7 (9/32")
- 9 (11/32") Typical
- 20.5 (13/16")
- 25 (31/32")
- 37 (1-15/32")

**NOTE:** Elongated holes are for ± 4.5 (3/16") depth adjustment only. Additional screws must be used to secure the runner to the cabinet.
TANDEM plus BLUMOTION

Inset Drawer

Application

- Uses the same 563 or 569 series runner
- Requires increased setback of the runner
- Frame applications require blocking-out behind the face frame

Description

Basic Components

Optional inset spacer for SERVO-DRIVE

For applications where there would not be enough space behind the drawer box to add SERVO-DRIVE due to cabinet construction, plumbing, etc.

- Two required per drawer
- Drawer box is built 25.4 (1") shorter in length than TANDEM specifications
- These spacers make up the difference between the drawer box and rear hook and provide additional space for installing SERVO-DRIVE
- SERVO-DRIVE boring locations and minimum inside cabinet depths move towards the cabinet face by 25.4 (1")

Specifications

Partial block-out

- Runner setback (see table)
- Trial recommended

Complete block-out

- Runner setback (see table)
- Trial recommended

Side view

- Blocking behind frame

Side view

- Blocking behind frame

Inside cabinet depth range

- Minimum = Runner length + Setback + 6 (1/4")
- Maximum with bracket = Runner length + Setback + 48 (1-7/8")

NOTE: Only for 563 H and F series runners

NOTE: Required for 563. and 569 series runners

Part no.

Inset spacer

T59.A5P0S

Installation screw

606N or 606P

Part no.

Inset spacer

T59.A5P0S

Installation screw

606N or 606P

Part no.

Inset spacer

T59.A5P0S

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606N or 606P

Part no.

Inset spacer

T59.A5P0S

Installation screw

606N or 606P
## Runner Setback Specifications

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

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

<table>
<thead>
<tr>
<th>Drawer front thickness</th>
<th>16 (5/8&quot;)</th>
<th>19 (3/4&quot;)</th>
<th>22 (7/8&quot;)</th>
</tr>
</thead>
</table>

- 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

### Calculating runner setback

| 563/569 H/ (sub-front thickness + drawer front thickness minus 9 (11/32") = runner setback) |
| 563/569 F/A (sub-front thickness + drawer front thickness minus 12 (15/32") = runner setback) |

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

### Runner setback when using all other locking devices

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

<table>
<thead>
<tr>
<th>Drawer front thickness</th>
<th>16 (5/8&quot;)</th>
<th>19 (3/4&quot;)</th>
<th>22 (7/8&quot;)</th>
</tr>
</thead>
</table>

- 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

### Calculating runner setback

| 563/569 H/ (sub-front thickness + drawer front thickness minus 11.5 (7/16") = runner setback) |
| 563/569 F/A (sub-front thickness + drawer front thickness minus 14.5 (9/16") = runner setback) |

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

### Setback information

- **Side view**
- **Drawer front**
- **Runner setback**
- **Drawer sub-front**
- **Mounting hole position**

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

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

**Narrow Drawer**

**Application**

- For inside drawer widths of 95 (3-3/4") to 124 (4-7/8")
- Special narrow locking device required
- Maximum dynamic load rating for narrow drawer locking device is 25 lb
- Minimum 16 (5/8") sub-front thickness

**Description**

- For use with narrow drawers
- Maximum dynamic load capacity 25 lb
- Self-adjusting drawer length tolerance
- Vertical mount, two-piece nylon
- Minimum inside drawer width 95 (3-3/4")
- Height adjustment +3 (1/8")
- Minimum sub-front thickness 16 (5/8")
- Designed for 13 (1/2") drawer bottom recess
- For use with 563/569 series runners only

**Basic Components**

- **Rear bracket** (face frame only)
- **Locking device**
- **Runner**

**Components**

**Runner set**

- One set required per drawer

Narrow drawer applications are possible with any TANDEM plus BLUMOTION runner. See the installation instructions for the runner used.

**Narrow drawer locking device**

- One right and one left required per drawer
- For use with narrow drawers
- Maximum dynamic load capacity 25 lb
- Self-adjusting drawer length tolerance
- Vertical mount, two-piece nylon
- Minimum inside drawer width 95 (3-3/4")
- Height adjustment +3 (1/8")
- Minimum sub-front thickness 16 (5/8")
- Designed for 13 (1/2") drawer bottom recess
- For use with 563/569 series runners only

**Part no.**

- Right locking device: T51.0801.20 R
- Left locking device: T51.0801.20 L
- Installation screw: 606N or 606P

**Rear mounting bracket for frame cabinets**

- For use when installing TANDEM runners in face frame cabinets. Not necessary for frameless cabinet installation.
- Two required per drawer
- Depth and lateral self-alignment
- Zinc-coated steel
- For 9" TANDEM rear attachment options, see page 35

**Part no.**

- Non-handed bracket: 295.3750.02
- Installation screw: 606N or 606P

---

**Application Description Basic Components**

**Components**

**Runner set**

- One set required per drawer

**Narrow drawer locking device**

- One right and one left required per drawer
- For use with narrow drawers
- Maximum dynamic load capacity 25 lb
- Self-adjusting drawer length tolerance
- Vertical mount, two-piece nylon
- Minimum inside drawer width 95 (3-3/4")
- Height adjustment +3 (1/8")
- Minimum sub-front thickness 16 (5/8")
- Designed for 13 (1/2") drawer bottom recess
- For use with 563/569 series runners only

**Part no.**

- Right locking device: T51.0801.20 R
- Left locking device: T51.0801.20 L
- Installation screw: 606N or 606P

**Rear mounting bracket for frame cabinets**

- For use when installing TANDEM runners in face frame cabinets. Not necessary for frameless cabinet installation.
- Two required per drawer
- Depth and lateral self-alignment
- Zinc-coated steel
- For 9" TANDEM rear attachment options, see page 35

**Part no.**

- Non-handed bracket: 295.3750.02
- Installation screw: 606N or 606P
**Attach locking devices**

1. Position locking device in front corner of the drawer
2. Pre-bore locking device mounting screw holes with Ø2.5 piloting bit
3. Attach with two 606N or 606P screws
4. Repeat on the other side

**NOTE:** A minimum of 16 (5/8") sub-front thickness is required for mounting the narrow drawer locking device

---

**Drawer back preparation**

**Rear view**

- Ø6 x 10 Bore for hook
- 7 (9/32")
- 11 (7/16")
- 13 (1/2")
- 35 (1-3/8") Minimum rear notch

**Drawer removal**

1. Squeeze release levers on locking devices
2. Pull drawer straight out and up
TANDEM plus BLUMOTION

Lateral stabilizer for 563/569

Application

Description
- Increases lateral stability
- Synchronizes left and right runners to prevent drawer racking
- Ideal for wide applications using TANDEM 563/569 H/., and F/A series
- Does not increase load capacity

Specifications
- Frameless and blocked-out face frame applications 229 (9") to 686 (27") length drawers
- Face frame applications with rear attachment 305 (12") to 533 (21") length drawers
- Recommended for opening widths 610 (24") and wider

Lateral stabilizer set

Set includes:
1. Pinion housing (qty 2)
2. Gear rack with locating tabs (qty 2)
3. Linkage rod, length 1054 (41-1/2")
4. Pinion adapter (qty 2)
5. Locking clip (qty 2)

Installation instructions

Part no.
Lateral stabilizer set ZST.686TU01

Space requirements

- Maximum opening width 1352 (53-7/32")
- Minimum inside cabinet depth = setback + runner length + 18 (23/32")

NOTE: TANDEM runners will sit 3 (1/8") higher when using the lateral stabilizer in bottom mount applications and may have to be raised for some bottom mount drawer applications using SERVO-DRIVE
Step 1 – Attach left and right pinion housings
1. Insert locating pins into TANDEM runner
2. Press orange locking clips to lock into place

Step 2 – Slide gear racks into pinion housings

Step 3 – Install gear racks
1. Insert locating tabs into cut-outs on bottom of runners
2. Slide backward to lock into place

Step 4 – Cut gear racks to length

<table>
<thead>
<tr>
<th>Gear rack length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>563xx290B10</td>
<td>271 (10-1/32&quot;)</td>
</tr>
<tr>
<td>563xx3050B</td>
<td>331 (13-1/32&quot;)</td>
</tr>
<tr>
<td>563xx310B</td>
<td>407 (16-1/32&quot;)</td>
</tr>
<tr>
<td>56xx4570B</td>
<td>483 (19-1/32&quot;)</td>
</tr>
<tr>
<td>56xx5330B</td>
<td>560 (22-1/16&quot;)</td>
</tr>
<tr>
<td>569xx6100B</td>
<td>637 (25-3/32&quot;)</td>
</tr>
<tr>
<td>569xx6860B</td>
<td>712 (28-1/32&quot;)</td>
</tr>
</tbody>
</table>

Step 5 – Cut linkage rod to length

Linkage rod length equals opening width minus 296 (11-23/32")

Step 6 – Press pinion adaptors into linkage rod

Step 7 – Install linkage rod assembly
1. Close drawer runners
2. Slide linkage rod assembly left onto left pinion
3. Slide right pinion adapter onto right pinion

Step 8 – Install locking clips
Install locking clips on both adapters
**Application**

- Possible with any TANDEM runner
- 100 lb static load capacity

**Components**

**Shelf size and position in opening**

**Front view**

- Outside shelf width
- Opening width
- Apron thickness

**Calculating outside tray width**

<table>
<thead>
<tr>
<th>Apron thickness</th>
<th>F series runner</th>
<th>H series runner</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 (3/4&quot;)</td>
<td>18 (23/32&quot;)</td>
<td>17 (21/32&quot;)</td>
</tr>
<tr>
<td>16 (5/8&quot;)</td>
<td>15 (9/16&quot;)</td>
<td>14 (13/32&quot;)</td>
</tr>
<tr>
<td>13 (1/2&quot;)</td>
<td>12 (15/32&quot;)</td>
<td>11 (19/32&quot;)</td>
</tr>
<tr>
<td>10 (15/32&quot;)</td>
<td>9 (19/32&quot;)</td>
<td>8 (23/32&quot;)</td>
</tr>
<tr>
<td>7 (7/16&quot;)</td>
<td>6 (13/32&quot;)</td>
<td>5 (15/32&quot;)</td>
</tr>
<tr>
<td>4 (5/8&quot;)</td>
<td>3 (13/32&quot;)</td>
<td>2 (15/32&quot;)</td>
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<tr>
<td>3 (19/32&quot;)</td>
<td>2 (21/32&quot;)</td>
<td>1 (23/32&quot;)</td>
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<tr>
<td>2 (23/32&quot;)</td>
<td>1 (21/32&quot;)</td>
<td>0 (3/4&quot;)</td>
</tr>
<tr>
<td>1 (19/32&quot;)</td>
<td>0 (15/32&quot;)</td>
<td>0 (13/32&quot;)</td>
</tr>
<tr>
<td>0 (13/32&quot;)</td>
<td>0 (5/8&quot;)</td>
<td>0 (23/32&quot;)</td>
</tr>
</tbody>
</table>

**Rear mounting block**

- Attach rear mounting block to the back of the shelf instead of notching and boring

**NOTE:** Shelf length = specified length for runner minus 10 (13/32")

**Part no.**

- Rear mounting block: T51.7000.01
- Installation screw: 6064N or 606P

**Shelf assembly**

- Set side apron 1/8" from back shelf panel
- Align inside of mounting block tip with inside edge of the apron

**Standard locking device with side-to-side adjustment**

- One right and one left required per drawer
- Self-adjusting drawer length tolerance
- Minimum inside drawer width 170 (6-11/16")
- Height adjustment ±3 (1/8")
- Side-to-side adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 32

**Part no.**

- Right locking device: T51.1901 R
- Left locking device: T51.1901 L

**Installation**

- 606N or 606P
**Bottom Mount Drawer**

**Application**
- Use 563H, 563. or 563F series in 15", 18" and 21" lengths
- Face frame or frameless cabinets
- Application is possible with any TANDEM 563/569 locking device
- 13 (1/2") to 19 (3/4") drawer thickness
- 100 lb static load capacity

**Description**

**Components**

**Runner set**
One set required per drawer

<table>
<thead>
<tr>
<th>BLUMOTION by Blum</th>
<th>Maximum drawer material thickness</th>
<th>For overall cabinet depth</th>
<th>Drawer length</th>
<th>TANDEM plus BLUMOTION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16 (5/8&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>563.5330B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
<td>563.4570B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>563H5330B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
<td>563H4570B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>457 (18&quot;)</td>
<td>381 (15&quot;)</td>
<td>563H3810B</td>
<td></td>
</tr>
<tr>
<td></td>
<td>19 (3/4&quot;)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>563F5330B</td>
<td></td>
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<tr>
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<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
<td>563F4570B</td>
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<tr>
<td></td>
<td>457 (18&quot;)</td>
<td>381 (15&quot;)</td>
<td>563F3810B</td>
<td></td>
</tr>
</tbody>
</table>

Wood screw for installation 606N or 606P
System screw for installation 662.1150.HG

**Runner 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>563.5330B</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>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>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>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>
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<tr>
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<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>
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<tr>
<td>563F5330B</td>
<td>533 (21&quot;)</td>
<td>557 (21-15/16&quot;)</td>
<td>448 (17-5/8&quot;)</td>
<td>15.5 (5/8&quot;)</td>
<td>22.5 (7/8&quot;)</td>
</tr>
<tr>
<td>563F4570B</td>
<td>457 (18&quot;)</td>
<td>480 (18-29/32&quot;)</td>
<td>378 (14-7/8&quot;)</td>
<td>15.5 (5/8&quot;)</td>
<td>22.5 (7/8&quot;)</td>
</tr>
<tr>
<td>563F3810B</td>
<td>381 (15&quot;)</td>
<td>404 (15-29/32&quot;)</td>
<td>319 (12-9/16&quot;)</td>
<td>15.5 (5/8&quot;)</td>
<td>22.5 (7/8&quot;)</td>
</tr>
</tbody>
</table>

*Dimensions in millimeters (inch equivalents as noted) © 2018 Blum, Inc.*
Application

- Use longer length heavy duty TANDEM plus BLUMOTION runners
- Requires special cabinet and drawer construction (see note below)
- For 16 (5/8”) maximum drawer side material use 569. series
- For 19 (3/4”) maximum drawer side material use 569A series
- 150 lb static load capacity

Components

Runner set

One set required per drawer

Sample SPACE CORNER drawer and cabinet plans are available for download at blum.com

<table>
<thead>
<tr>
<th>Corner cabinet size</th>
<th>Maximum 16 (5/8”) drawer side thickness</th>
<th>Maximum 19 (3/4”) drawer side thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>36&quot;, 39” or 42”</td>
<td>569.6860B</td>
<td>569A6860B</td>
</tr>
</tbody>
</table>

Wood screw for installation 606N or 606P
System screw for installation 662.1150.HG

NOTE: SPACE CORNER requires special cabinet and drawer construction. See suggestions on cabinet construction at blum.com.

Standard locking device with side-to-side adjustment

- One right and one left required per drawer
- Captive right and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Minimum inside drawer width 170 (6-11/16”)
- Height adjustment +3 (1/8”)
- Side-to-side adjustment ±1.5 (1/16”)
- For use with 563/569 series runners only
- For other options see page 32

Part no.
Right locking device T51.1901 R
Installation Left locking device T51.1901 L
Installation screw 606N or 606P

Measuring corner cabinet size

Top view

Corner cabinet size
**Drawer Construction**

**TANDEM plus BLUMOTION**

**For a 39” SPACE CORNER using 5/8” material and 569.6860B**

**Top view**

- Dimensions:
  - 475 (18-11/16”)
  - 181 (7-1/8”)
  - 57 (2-1/4”)
  - 443 (17-7/16”)
  - 495 (19-1/16”)
  - 16 (5/8”)

- Optional cross rail
- Blocking underneath for locking device

**For a 39” SPACE CORNER using 3/4” material and 569A6860B**

**Top view**

- Dimensions:
  - 473 (18-5/8”)
  - 179 (7-1/8”)
  - 57 (2-1/4”)
  - 435 (17-1/8”)

- Optional cross rail
- Blocking underneath for locking device

**Mounting locations**

**Side view**

- Dimensions:
  - Setback: 9 (11/32”)
  - Runner length: 365 (14-3/8”)
  - D: 493 (19-13/32”)
  - C: 374 (14-23/32”)
  - B: 502 (19-3/4”)

**NOTE:** Detailed drawings for cabinet construction are available at blum.com

| TANDEM plus BLUMOTION | Drawer material | Setback | A       | B       | C       | D
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>569.6860B</td>
<td>16 (5/8”)</td>
<td>107 (4-7/32”)</td>
<td>114 (4-1/2”)</td>
<td>141 (5-9/16”)</td>
<td>365 (14-3/8”)</td>
<td>493 (19-13/32”)</td>
</tr>
<tr>
<td>569A6860B</td>
<td>19 (3/4”)</td>
<td>116 (4-9/16”)</td>
<td>123 (4-27/32”)</td>
<td>150 (5-29/32”)</td>
<td>374 (14-23/32”)</td>
<td>502 (19-3/4”)</td>
</tr>
</tbody>
</table>
## TANDEM plus BLUMOTION

### Locking Devices for 563/569 Series

#### With Side-to-Side Adjustment

<table>
<thead>
<tr>
<th>Standard</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>One right and one left required per drawer</strong></td>
<td></td>
</tr>
</tbody>
</table>
|  | Captive right device and self-aligning left device  
|  | Self-adjusting drawer length tolerance  
|  | Steel base with synthetic, spring-loaded release levers  
|  | Minimum inside drawer width **170** (6-11/16")  
|  | Height adjustment ±3 (1/8")  
|  | Side-to-side adjustment ±1.5 (1/16")  |

<table>
<thead>
<tr>
<th>Part no.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Right locking device</td>
<td>T51.1901 R</td>
</tr>
<tr>
<td>Left locking device</td>
<td>T51.1901 L</td>
</tr>
<tr>
<td>Installation screw</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>

#### Vertical mount

|  |
|---|---|
| **One right and one left required per drawer** |  |
|  | Vertical mount locking device used to minimize sub-front splitting  
|  | Captive right device and self-aligning left device  
|  | Self-adjusting drawer length tolerance  
|  | Steel base with synthetic, spring-loaded release levers  
|  | Minimum inside drawer width **170** (6-11/16")  
|  | Height adjustment ±3 (1/8")  
|  | Side-to-side adjustment ±1.5 (1/16")  
|  | Minimum sub-front thickness **16** (5/8")  
|  | Designed for **13** (1/2") drawer bottom recess  |

<table>
<thead>
<tr>
<th>Part no.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Right locking device</td>
<td>T51.1901.20 R</td>
</tr>
<tr>
<td>Left locking device</td>
<td>T51.1901.20 L</td>
</tr>
<tr>
<td>Installation screw</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>

#### Depth adjustable

|  |
|---|---|
| **One right and one left required per drawer** |  |
|  | Captive right device and self-aligning left device  
|  | Self-adjusting drawer length tolerance  
|  | Steel base with synthetic, spring-loaded release levers  
|  | Minimum inside drawer width **170** (6-11/16")  
|  | Height adjustment ±3 (1/8")  
|  | Side-to-side adjustment ±1.5 (1/16")  
|  | Depth adjustment ±2.5 (3/32"), preset at 0  
|  | Minimum sub-front thickness **13** (1/2")  
|  | Designed for **13** (1/2") drawer bottom recess  
|  | Integrated **3** (1/8") distance bumper for inset or overlay SERVO-DRIVE applications  |

<table>
<thead>
<tr>
<th>Part no.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Right locking device</td>
<td>T51.1901.PS R</td>
</tr>
<tr>
<td>Left locking device</td>
<td>T51.1901.PS L</td>
</tr>
<tr>
<td>Installation screw</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>
## Without Side-to-Side Adjustment

### Standard

<table>
<thead>
<tr>
<th>One right and one left required per drawer</th>
<th>For use with standard applications</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Captive right device and self-aligning left device</td>
</tr>
<tr>
<td></td>
<td>Self-adjusting drawer length tolerance</td>
</tr>
<tr>
<td></td>
<td>Zinc die-cast with synthetic, spring-loaded release levers</td>
</tr>
<tr>
<td></td>
<td>Minimum inside drawer width 124 (4-7/8&quot;)</td>
</tr>
<tr>
<td></td>
<td>Height adjustment +3 (1/8&quot;)</td>
</tr>
</tbody>
</table>

| Part no.                        |
|--------------------------------|--------------------------------|
| Right locking device           | T51.1801 R                     |
| Left locking device            | T51.1801 L                     |
| Installation screw             | 606N or 606P                   |

### Vertical mount

<table>
<thead>
<tr>
<th>One right and one left required per drawer</th>
<th>Vertical mount locking device used to minimize sub-front splitting</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Captive right device and self-aligning left device</td>
</tr>
<tr>
<td></td>
<td>Self-adjusting drawer length tolerance</td>
</tr>
<tr>
<td></td>
<td>Zinc die-cast with synthetic, spring-loaded release levers</td>
</tr>
<tr>
<td></td>
<td>Minimum inside drawer width 124 (4-7/8&quot;)</td>
</tr>
<tr>
<td></td>
<td>Height adjustment +3 (1/8&quot;)</td>
</tr>
<tr>
<td></td>
<td>Minimum sub-front thickness 16 (5/8&quot;)</td>
</tr>
<tr>
<td></td>
<td>Designed for 13 (1/2&quot;) drawer bottom recess</td>
</tr>
</tbody>
</table>

| Part no.                        |
|--------------------------------|--------------------------------|
| Right locking device           | T51.1801.20 R                   |
| Left locking device            | T51.1801.20 L                   |
| Installation screw             | 606N or 606P                    |

### Narrow drawer

| One right and one left required per drawer | For use with narrow drawers |
|-------------------------------------------| Maximum dynamic load capacity 25 lb |
|                                            | Captive right device and self-aligning left device |
|                                            | Self-adjusting drawer length tolerance |
|                                            | Vertical mount, two-piece nylon |
|                                            | Minimum inside drawer width 95 (3-3/4") |
|                                            | Height adjustment +3 (1/8") |
|                                            | Minimum sub-front thickness 16 (5/8") |
|                                            | Designed for 13 (1/2") drawer bottom recess |

| Part no.                        |
|--------------------------------|--------------------------------|
| Right locking device           | T51.0801.20 R                   |
| Left locking device            | T51.0801.20 L                   |
| Installation screw             | 606N or 606P                    |
### Screw-on bracket

**Two required per drawer**
- For TANDEM 552, 562 and 563 H/F series runners only
- Lateral self-alignment 3 (1/8”)
- Non-handed, one-piece stamped steel design, zinc-coated
- Use at least three #6 wood screws
- Not for use with 9" runners

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Installation screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>295.3750.02</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>

**NOTE:** Illustration is for 562/563 series

### Narrow screw-on bracket

**Two required per drawer**
- For TANDEM 552, 562 and 563 H/F series runners only
- For applications with side recess space limitations (end panel)
- Maximum dynamic load capacity 45 lb
- Lateral self-alignment 3 (1/8”)
- Non-handed, one-piece stamped steel design, zinc-coated
- Maximum inside cabinet depth is 15 (19/32”) less than 295.3750.02 allows
- Use at least three #6 wood screws
- Not for use with 9” runners

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Installation screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>295.3550.01</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>

**NOTE:** Illustration is for 562/563 series

### Plug-in socket

**Two required per drawer**
- For TANDEM 552, 562 and 563 H/F series runners only
- Lateral self-alignment feature
- Non-handed, two-piece design
- Synthetic, natural color
- Non-detachable 8 (5/16") dowels, 9.5 (3/8") long
- 6 (1/4") minimum back panel thickness
- Use at least two #6 flat head wood screws
- Not for use with 9" runners

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Installation screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>295.6410</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>
### Screw-on socket

**Two required per drawer**

- For TANDEM 552, 562 and 563 H/F series runners only
- Lateral self-alignment
- Non-handed, two-piece design
- Synthetic, natural color
- Use two #6 flat head wood screws
- Not for use with 9” runners

![Screw-on socket](image_url)

**Part no.**

<table>
<thead>
<tr>
<th>Screw-on socket</th>
<th>Installation screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>295.6400</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>

### Screw-on socket for 9” TANDEM plus BLUMOTION runners

**Two required per drawer**

- For TANDEM 562 and 563 H/F series 9” runners only
- For use only when installing 9” runners in face frame cabinets
- For inside cabinet depths 266 (10-15/32”) to 282 (11-3/32”)
- Minimum opening width 156 (6-5/32”)
- Lateral self-alignment
- Non-handed, one piece design
- Synthetic, natural color
- Use at least three #6 wood screws

![Screw-on socket for 9” TANDEM plus BLUMOTION runners](image_url)

**Part no.**

<table>
<thead>
<tr>
<th>Screw-on socket</th>
<th>Installation screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>295.3700.21</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>

### Screw-on socket for 9” TANDEM plus BLUMOTION runners

**Two required per drawer**

- For TANDEM 562 and 563 H/F series 9” runners only
- For use only when installing 9” runners in face frame cabinets
- For inside cabinet depths 283 (11-5/32”) to 299 (11-25/32”)
- Minimum opening width 156 (6-5/32”)
- Lateral self-alignment
- Non-handed, one piece design
- Synthetic, natural color
- Use at least three #6 wood screws

![Screw-on socket for 9” TANDEM plus BLUMOTION runners](image_url)

**Part no.**

<table>
<thead>
<tr>
<th>Screw-on socket</th>
<th>Installation screw</th>
</tr>
</thead>
<tbody>
<tr>
<td>295.3700.22</td>
<td>606N or 606P</td>
</tr>
</tbody>
</table>
**TANDEM plus BLUMOTION**

**TIP-ON for TANDEM plus**

**Overlay Application**

**Description**
- Designed for drawers without pulls
- Opens the drawer with just a touch of the drawer front
- Tool-free attachment of the mechanism and trigger
- Optimal dynamic load capacity 45 lb
- 100 lb static load capacity
- Only works with TANDEM plus 562 H series runners without BLUMOTION

**Basic Components**

**Components**

**TIP-ON for TANDEM plus set**

One set required per drawer

<table>
<thead>
<tr>
<th>Set includes:</th>
<th>Part no.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 TIP-ON mechanisms (qty 2)</td>
<td>T55.7150S</td>
</tr>
<tr>
<td>2 Adjustable triggers (qty 2)</td>
<td></td>
</tr>
<tr>
<td>3 Rear hook spacers (qty 2)</td>
<td></td>
</tr>
</tbody>
</table>

**Runner set**

One set required per drawer

<table>
<thead>
<tr>
<th>For overall cabinet depth</th>
<th>Drawer length</th>
<th>TANDEM plus</th>
</tr>
</thead>
<tbody>
<tr>
<td>610 (24&quot;)</td>
<td>533 (21&quot;)</td>
<td>562H5330C</td>
</tr>
<tr>
<td>533 (21&quot;)</td>
<td>457 (18&quot;)</td>
<td>562H4570C</td>
</tr>
<tr>
<td>457 (18&quot;)</td>
<td>381 (15&quot;)</td>
<td>562H3810C</td>
</tr>
<tr>
<td>381 (15&quot;)</td>
<td>305 (12&quot;)</td>
<td>562H3050C</td>
</tr>
<tr>
<td>Wood screw for installation</td>
<td></td>
<td>707N</td>
</tr>
<tr>
<td>System screw for installation</td>
<td></td>
<td>661.1300.HG</td>
</tr>
</tbody>
</table>

**Standard locking device for 552/562/568 series**

- One right and one left required per drawer
- Minimum inside drawer width 121 (4-3/4")
- Height adjustable +3 (1/8")

**Rear mounting bracket for frame cabinets**

For use when installing TANDEM runners in face frame cabinets. Not necessary for frameless cabinet installation.

- Two required per drawer
- Depth and lateral self-alignment
- Zinc-coated steel

Part no.

<table>
<thead>
<tr>
<th>Right locking device</th>
<th>T51.1700.04 R</th>
</tr>
</thead>
<tbody>
<tr>
<td>Left locking device</td>
<td>T51.1700.04 L</td>
</tr>
<tr>
<td>Installation screw</td>
<td>612TH</td>
</tr>
</tbody>
</table>

| Non-handed bracket   | 295.3750.02   |
| Installation screw   | 612TH         |
**TANDEM 562H dimensions**

**Front view**

NOTE: Minimum cabinet opening width for TIP-ON is 229 (9")

**Drawer back preparation**

**Rear view**

- Ø6 x 10
- Bore for hook

**Specifications**

- Maximum drawer thickness: 16 (5/8")
- Lengths available: 12" - 21"
- Static load capacity: 100 lb

**TANDEM plus BLUMOTION**

**TIP-ON for TANDEM plus synchronization set (optional)**

- Recommended for cabinet widths from 610 (24") to 1220 (48") wide (face frame and frameless)
- Synchronizes left and right TIP-ON mechanisms to improve function on wide drawers

Set includes:

1. Linkage rod, 908 (35-3/4") cut to length
2. Pinion gears (qty 2)
- Instruction sheet

Part no.

Part no.

TIP-ON for TANDEM plus synchronization set

T55.908WR

NOTE: Linkage rod length equals opening width minus 277 (10-15/16"). Maximum opening width equals 1185 (46-5/8").

**Assembly and Adjustment**

**Step one – Attachment of mechanism**

**Step two – Attachment of trigger**

**Step three – Attachment of rear hook spacer**

**Step four – Front gap adjustment**

Trigger allows -1 (1/32") in and +2 (1/16") out adjustment of the drawer front

NOTE: Minimum front gap = 2.5 (3/32")
## Deep thread system screw
- Pilot bore Ø\(\frac{5}{32}\)" hole

<table>
<thead>
<tr>
<th>Part no.</th>
<th>#6 x 11.5, #2 POZI</th>
<th>#6 x 5/8&quot;, #2 Phillips</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>662.1150.HG</td>
<td>606N</td>
</tr>
<tr>
<td></td>
<td>#7 x 13, #2 POZI</td>
<td>#6 x 5/8&quot;, #2 POZI</td>
</tr>
<tr>
<td></td>
<td>661.1300.HG</td>
<td>606P</td>
</tr>
<tr>
<td></td>
<td>#7 x 14.5, #2 POZI</td>
<td>#7 x 5/8&quot;, #2 Phillips</td>
</tr>
<tr>
<td></td>
<td>661.1450.HG</td>
<td>707N</td>
</tr>
</tbody>
</table>

## Deep thread wood screw
- Pilot bore Ø\(2.5\) (3/32") hole

<table>
<thead>
<tr>
<th>Part no.</th>
<th>#6 x 5/8&quot;, #2 Phillips</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>606N</td>
</tr>
</tbody>
</table>

## Truss head wood screw
- Pilot bore Ø\(2.5\) (3/32") hole

<table>
<thead>
<tr>
<th>Part no.</th>
<th>#6 x 1/2&quot;, #2 Phillips</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>612TH</td>
</tr>
</tbody>
</table>

## Bumpers
- Cushions door closing
- Clear with a self-adhesive back

<table>
<thead>
<tr>
<th>Part no.</th>
<th>Ø(7.5) (9/32&quot;) x 2 (3/32&quot;)</th>
<th>Ø(12) (15/32&quot;) x 3.5 (1/8&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FX4041</td>
<td>SJ5312</td>
</tr>
</tbody>
</table>

## POZI DRIVER and bits
A POZI screwdriver (different from Phillips) is the most crucial tool you can use to assure that full torque is applied to all Blum mounting screws. POZI screws can be identified by the distinctive “tick” marks located in the center of the screw head recess.

<table>
<thead>
<tr>
<th>Part no.</th>
<th>#2 POZI DRIVER</th>
<th>1/4&quot; Magnetic bit holder</th>
<th>#2 x 1&quot; POZI bit insert</th>
<th>#2 x 2&quot; POZI bit insert</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>POZI DRIVER</td>
<td>BIT HOLDER</td>
<td>POZI BIT #2x1</td>
<td>POZI BIT #2x2</td>
</tr>
</tbody>
</table>
**Side spacer**
For spacing out TANDEM runners from the cabinet side for clearance in interior roll-out applications.

**Part no.**
Side spacer - 1" thick  **T59.3570**

**NOTE:** Use (2) pieces per runner up to 15" lengths and (3) pieces per runner 18" or longer.

---

**TANDEM end cap**
- To cover the front edge of TANDEM runners when used in an interior roll-out application
- Can be used with TANDEM 562/563 H/F/ runners

**Part no.**
Right end cap  **295.5520**
Left end cap  **295.5521**

---

**Drawer front adjuster**
- Nylon housing with pre-mounted 8-32 steel nut
- For four-sided drawers
- Adjusts height and side-to-side by 5 (3/16")

**Part no.**
Drawer front adjuster  **295.1000.21**
MINIPRESS insertion ram  **MZM.0095**
Ø20 mm right handed drill bit  **M01.ZB20.02 RH**

---

**Drawer front adjuster marking gauge**
- For marking center holes for press-in drawer front adjusters
- For four-sided drawers

**Part no.**
Marking gauge  **65.2950.10**
**Using the marking gauge**

1. Pre-bore for front adjusters and then insert marking gauges into drawer front
2. Align the drawer front to make marks in the drawer box
3. Align the drawer front and give a light tap to make marks in the drawer box
4. Bore Ø5 (3/16”) holes through the drawer box
5. Remove marking gauges and insert drawer front adjusters manually or with a MINIPRESS insertion ram
6. Install and adjust drawer front

**Concealed Runner Template**

- Essential tool for drawers using any series TANDEM runners
- To bore the Ø6 holes for rear hooks
- Pre-bore Ø2.5 hole for TANDEM locking devices at the required angle

**Using the Concealed Runner Template**

1. Bore rear fixing holes
2. Pre-bore holes for locking device screws

**Tool set includes:**

- Ø2.5 drill bit extension
- Ø6 stop collar
- #2 Phillips screwdriver tip
- Allen wrenches

**Part no.**

<table>
<thead>
<tr>
<th>Item</th>
<th>Part No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Template</td>
<td>T65.1600.01</td>
</tr>
<tr>
<td>Accessories (order separately)</td>
<td></td>
</tr>
<tr>
<td>Ø2.5 mm drill bit</td>
<td>DB-2.5mm</td>
</tr>
<tr>
<td>Ø6 mm drill bit</td>
<td>DB-6mm</td>
</tr>
<tr>
<td>Tool set</td>
<td>T65.9000</td>
</tr>
</tbody>
</table>
TANDEM plus BLUMOTION

Accessories and Assembly Aids

Universal individual template

- For pre-boring TANDEM drawer runners
- Also used for marking/pre-boring other Blum drawer systems, AVENTOS locating pins, hinge mounting plates, BLUMOTION adapters, and TIP-ON adapters
- Calibrated scale for accurate setting

Set includes:
- Universal individual template
- Ø2.5 and Ø5 stop collars
- Allen wrench

Part no.
Universal individual template 65.1051.02

Cabinet profile template set

- Used for pre-boring holes for TANDEM drawer runners
- Also used for marking/pre-boring other Blum drawer systems, AVENTOS locating pins and hinge mounting plates

Part no.
Cabinet profile template 65.1000.01
Replacement template 65.1001.01
Ø2.5 mm drill bit DB-2.5mm
Ø5 mm drill bit DB-5mm

Components

Set includes:
1 Rail, 1 meter long
2 Replacement template (qty 4)
3 Ø2.5 stop collar
4 Ø5 stop collar
5 Allen wrench

NOTE: ONLY the replacement template is sold separately
Blum’s Ideas for Functional Kitchens

This adjustable organization solution for wood drawers is ideal for storing items in the kitchen and throughout the home.

The spring loaded compensation tray and side rails ensure that each kit will fit into an inside drawer length from 19 - 1/4” to 20”.

The removeable trays are made of high quality nylon and stainless steel, and are dishwasher safe up to 170°F.

blum.com/ideas

<table>
<thead>
<tr>
<th>Flatware</th>
<th>Odds and ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width 284 (11-3/16&quot;)</td>
<td>Width 108 (4-1/4&quot;)</td>
</tr>
<tr>
<td>Height 65 (2-9/16&quot;)</td>
<td>Height 65 (2-9/16&quot;)</td>
</tr>
<tr>
<td>Part no. ZHI.533BI3A</td>
<td>Part no. ZHI.533BI1A</td>
</tr>
<tr>
<td>21&quot; drawer length</td>
<td>21&quot; drawer length</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flatware</th>
<th>Odds and ends</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width 381 (15&quot;)</td>
<td>Width 302 (11-7/8&quot;)</td>
</tr>
<tr>
<td>Height 65 (2-9/16&quot;)</td>
<td>Height 65 (2-9/16&quot;)</td>
</tr>
<tr>
<td>Part no. ZHI.533KI4A</td>
<td>Part no. ZHI.533MI3A</td>
</tr>
<tr>
<td>21&quot; drawer length</td>
<td>21&quot; drawer length</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flatware</th>
<th>Utensils</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width 400 to 419 (15-3/4&quot; to 16-1/2&quot;)</td>
<td>Width 108 (4-1/4&quot;)</td>
</tr>
<tr>
<td>Height 65 (2-9/16&quot;)</td>
<td>Height 65 (2-9/16&quot;)</td>
</tr>
<tr>
<td>Part no. ZHI.533TI4A</td>
<td>Part no. ZHI.533FI1A</td>
</tr>
<tr>
<td>21&quot; drawer length</td>
<td>21&quot; drawer length</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flatware</th>
<th>Utensils</th>
</tr>
</thead>
<tbody>
<tr>
<td>Width 477 to 495 (18-3/4&quot; to 19-1/2&quot;)</td>
<td>Width 294 (11-9/16&quot;)</td>
</tr>
<tr>
<td>Height 65 (2-9/16&quot;)</td>
<td>Height 65 (2-9/16&quot;)</td>
</tr>
<tr>
<td>Part no. ZHI.533TI5A</td>
<td>Part no. ZHI.533FI3A</td>
</tr>
<tr>
<td>21&quot; drawer length</td>
<td>21&quot; drawer length</td>
</tr>
</tbody>
</table>
ORGA-LINE

TANDEM plus BLUMOTION

Deep Drawer

C Spring loaded connector
- Two required
- Dust gray

D Lateral divider
- Length 100 (3-15/16")
- Height 116 (4-9/16")
- Gray

Accessories

ORGA-LINE Knife holder
- Length 280 (11")
- Width 180 (7-1/8")
- Holds up to nine knives of different sizes
- High quality nylon and stainless steel
- Dishwasher safe up to 170°F
- Handle supports (qty 4)

ORGA-LINE Spice tray
- Width 282 (11-1/8")
- Inside storage width 260 (10-1/4")
- Height 121 (4-3/4")
- Easy removal from drawer
- High quality nylon and stainless steel
- Set includes two trays and four feet

Plate holder
- Adjustable width 186 to 322 (7-5/16" to 12-11/16")
- Overall height 170 (6-11/16")
- Holds up to 12 plates
- Non-slip bottom
- High quality nylon and stainless steel
**TANDEM plus BLUMOTION**

**SERVO-DRIVE**

SERVO-DRIVE is an electrical opening assist for TANDEM and TANDEMBOX. Drawers open automatically with just a touch of the drawer front or with a light pull of the handle. This unique feature is based on an electrical drive unit that, once activated, opens the drawer for you.

Existing cabinets can be easily retrofitted with SERVO-DRIVE. No modifications to the drawer system are necessary when upgrading.

With SERVO-DRIVE, the drawer is not connected to the drive unit. This enables the drawer to be stopped at any position, providing you full control.

---

### Conversion chart

<table>
<thead>
<tr>
<th>mm</th>
<th>inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<tr>
<td>1.5</td>
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<td>24.5</td>
<td>31/32</td>
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Be sure to connect with us on social media for additional resources for information regarding tips on installation, maximizing storage space, new products and other news and events going on inside Blum.

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## Part Number Index

### TANDEM plus BLUMOTION

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Why Choose Blum

Blum, Inc. is a leading manufacturer of functional hardware for the kitchen cabinet and commercial casework industries specializing in lift systems, concealed hinges and drawer runner systems. Virtually all of the hardware needed to assemble and make cabinets functional is available within the wide range of quality Blum products. Blum supports the U.S. market with a network of more than 150 dependable distributors, 40+ knowledgeable Blum sales representatives and an experienced customer service department.

Commitment to Manufacturing in the U.S.

Blum manufactures many of its products in our 450,000 sq ft manufacturing, logistics and warehouse facility located in Stanley, North Carolina. Manufacturing closer to the customer allows Blum to react quickly to changing customer needs including unexpected surges in demand. Customer pickups and deliveries can be timed to better match their production schedules. Blum is committed to manufacturing in the U.S. for the U.S. market.

Product development at Blum considers all of the various customers who will come in contact with our products. With this “Global Customer Benefits” philosophy we strive to create advantages for all users.

Blum, Inc. is ISO 9001 certified which means that you are assured of consistent quality in every Blum product. They exceed the requirements of ANSI/BHMA standards for cycle life, static load and self-closing performance.