TANDEM

Concealed runners for wood drawers
Julius Blum, Inc. is a leading manufacturer of functional hardware for the cabinet and furniture industry specializing in concealed hinges and drawer runner systems. Virtually all of the hardware needed to assemble and make casegoods functional are available within the wide range of lifetime guaranteed Blum products.

Blum’s manufacturing and distribution complex in Stanley, North Carolina supplies the North American markets through a network of more than 150 dependable distributors. Wholly owned by the Blum family, the company was formed in 1952 by Julius Blum and is headquartered in Hoechst, Austria.

Global customer benefits

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 from the cabinetmaker to the end consumer.

Julius Blum, Inc. is ISO 9001 certified which means that you are assured of consistent quality in every Blum product. As with all Blum hardware, TANDEM concealed drawer runners are backed with a lifetime guarantee. What’s more they exceed the requirements of ANSI-BHMA standards for cycle life, static load and self-closing performance. Contact your local Blum representative for more details.

Blum testing criteria

Cycle life / Dynamic load capacity test
100,000 open/close cycles with a total weight of 34kg (75 lb.) on a 533mm (21") drawer.

Static load capacity test
45.3kg (100 lb.) applied to a half extended 533mm (21") drawer for 1 minute.

Side pressure test
A force of 15kg (33 lb.) is applied ten times to a fully extended 533mm (21") drawer.

TANDEM drawer runners exceed ANSI/BHMA requirements for a Grade 1 rating.
TANDEM: The premium concealed drawer runner

Hidden beauty
TANDEM is the top-of-the-line series of drawer runners offered by Blum. This versatile system mounts directly underneath to show off the craftsmanship of wood drawers instead of compromising their appearance with bulky hardware. Inside each drawer runner is a concealed carriage mechanism containing rollers that control vertical and horizontal forces, providing TANDEM with a smooth and quiet running action.

Self-closing / easy removal
BLUMATIC spring-loaded self-closing action is an important feature. It allows the drawer to easily self-close 1-1/4" from the cabinet and stay retracted until pulled opened again. TANDEM’s easy to use locking device design allows for simple two step drawer removal and installation.

Capacity and longevity
TANDEM exceeds the ANSI/BHMA requirements for grade 1 performance in dynamic load capacity, cycle life and static loading. This means you can design drawers for heavy loads in standard or roll-out tray configurations with confidence. What’s more, TANDEM is backed by the Blum Lifetime Warranty* to assure performance for the long run. When you specify TANDEM runners, you’ve chosen the best!

* Warranty conditions and ANSI/BHMA independent test results available from your Blum dealer or by contacting Blum at 1-800-438-6788.
TANDEM runners for any application

552 single and 562 full extension

TANDEM runners are designed with the American 3" increment cabinet depth system in mind. This feature permits overlay or inset applications using the same runner. Both series have full length profiles that make installation in panel and face-frame cabinets possible.

TANDEM provides interchangeability. One drawer box can be used with either a single or full extension runner in the same cabinet opening. TANDEM also provides compatibility with Blum’s SOLO standard extension concealed drawer runners.(see page 5)

General specifications

Integrated one piece runner profiles

- Zinc coated steel.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- Blumatic spring loaded self-closing action.
- Force guided right side with 1/4" wide rear hook and +/-1/16" tolerance left side with 3/16" wide rear hook.

Locking Devices

- Zinc die cast with synthetic, spring-loaded release levers.
- Force guided right device and +/-1/16" self-adjust tolerance on left device.
- Self-adjusting drawer length tolerance.
- Tool-free drawer height adjustment.

Rear mount brackets

- Zinc-plated steel with depth and side-to-side self-alignment.

Weight capacities*

- 75 lbs Dynamic for 100,000 open/close cycles
- 100 lbs Static applied to half extended drawer

*T as per ANSI/BHMA 156.9-1994 specifications on a 21" length drawer.

TANDEM drawer removal and height adjustment

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

Place drawer on runners and close, locking devices will automatically engage runners.

1. Press up on adjustment latch.
2. Push towards back of drawer.
Max. 3mm (1/8") rise of drawer.
TANDEM / SOLO interchangeable drawer runners

Height compatible drawer runner systems

The full extension TANDEM 562 series runner establishes the standard height used for the concealed runners.

The single extension TANDEM 552 series runner has a new stamped positioning tab that raises the mounting holes up to the same height as the TANDEM 562.

The single extension SOLO 262 series runner has new positioning dimples that raise the mounting holes up to the same height as the TANDEM 562.

TANDEM plus runner series

TANDEM runner series

SOLO runner series

New positioning tab

New positioning dimples

Standard mounting position

The mounting position of Blum’s concealed runners gives each runner an identical location in the cabinet and establishes identical drawer box positioning within the cabinet opening. This mounting position allows for simple interchangeability.

The TANDEM and SOLO series runner systems are based on the standard 3" cabinet system, therefore the runner lengths come in 3" increments.
Full extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16” tolerance compensating left side.
- 34 kg (75 lb.) Dynamic, and 45 kg (100 lb.) Static weight capacities.

Inset applications
- TANDEM plus 562H concealed drawer runners
- Overlay applications
- Full extension runner system
- Z51.1700.04R
- Locking device (right)
- Locking device (left)
- T51.1700.04L
- Rear mounting bracket - non handed

Installation components
- T612TH #6 x 1/2” Truss head screw
- 707N #7 x 5/8” Flat head screw
- 295.4000 Universal Bracket kit

Dimensions in millimeters (inch equivalents as noted)
**TANDEM plus 562H specifications**

### Drawer and cabinet specifications

- **Overall Cabinet**
  - Inside Depth
  - Depth: 21.5 (13/16")
  - Height: 31.5 (31/32")
  - Width: 36.3 (3/16")
- **Bracket Range**
  - 5 to 48 (3/16" to 1-7/8")
- **Setback**
  - 4 (5/32")
- **Bracket Range**
  - 5 to 48 (3/16" to 1-7/8")
- **Drawer Gap**
  - 1 (1/32")
- **Bottom Clearance**
  - 13.8 (9/16")
- **Min. Top Clearance**
  - 6 (1/4")
- **Maximum Drawer Height**
  - Opening minus 19.8 (13/16")
- **Target Drawer Length**
  - Dimensions in millimeters (inch equivalents as noted)
- **Mounting Screws**
  - 612TH Mounting Screws
    - Includes (4) brackets
    - Includes (8) M4 screws
- **Screws**
  - 612TH
    - 19.5 (3/4")
    - 30 (1-3/16")
- **Dynamic load capacity**
  - 34 kg (75 lb.)
- **Static load capacity**
  - 45 kg (100 lb.)

### Preparing drawer for hardware installation

- **612TH**
  - Screws
  - 75°
- **Template**
  - See page 32 for Template and Drill bit information

### Drawer size and position in opening

- **Min. Top Clearance**
  - 6 (1/4")
- **Max. Drawer Height**
  - Opening minus 19.8 (13/16")
- **Inside Drawer Width**
  - Inside Cabinet Width minus 42 (1-5/8")
- **Max. Drawer Thickness**
  - 16 (5/8")
- **Bottom Clearance**
  - 13.8 (9/16")
- **Bottom Recess**
  - 12.7 (1/2")

### Calculating outside drawer width

**For drawer thickness**

<table>
<thead>
<tr>
<th>16 (5/8&quot;)</th>
<th>14 (9/16&quot;)</th>
<th>13 (1/2&quot;)</th>
</tr>
</thead>
</table>

**Deduct from inside cabinet width**

| 10 (3/8") | 14 (9/16") | 16 (5/8") |

**IMPORTANT:** Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.

### Rear mount bracket

- **Foot Frame Rail**
  - 14.4 (9/16")
- **Face Frame Rail**
  - 16 (5/8")
- **295.4000 Universal Bracket kit**
  - Includes (4) brackets
  - Includes (8) M4 screws

### Bottom mount installation

- **612TH**
  - Screws
  - 295.4000

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Dimensions in millimeters (inch equivalents as noted)
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Full extension runner system

- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16” tolerance compensating left side.
- 34 kg (75 lb.) Dynamic, and 45 kg (100 lb.) Static weight capacities.

### Overlay applications

- Profile Length
- Setback 4 (5/32”)
- Mounting Position
- 37 (1-7/16”)
- Drawer length
- Drawer thickness

### Inset applications

- Inside Depth
- Drawer front thickness + 5 (3/16”)
- Setback = Drawer front thickness + 5 (3/16”)
- Minimum = Profile Length + Setback + 3 (1/8”)

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

**Inset applications**

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Minimum Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>562H3050P</td>
<td>305 (12”)</td>
<td>248 (9-3/4”)</td>
<td>229 (9”)</td>
<td>16 (5/8”)</td>
<td>-6 (-1/4”)</td>
<td>317 (12-1/2”)</td>
</tr>
<tr>
<td>562H3810P</td>
<td>381 (15”)</td>
<td>324 (12-3/4”)</td>
<td>305 (12”)</td>
<td>16 (5/8”)</td>
<td>-16 (-5/8”)</td>
<td>317 (12-1/2”)</td>
</tr>
<tr>
<td>562H4570P</td>
<td>457 (18”)</td>
<td>401 (15-3/4”)</td>
<td>381 (15”)</td>
<td>16 (5/8”)</td>
<td>-6 (-1/4”)</td>
<td>394 (15-1/2”)</td>
</tr>
<tr>
<td>562H5330P</td>
<td>533 (21”)</td>
<td>477 (18-3/4”)</td>
<td>457 (18”)</td>
<td>16 (5/8”)</td>
<td>0</td>
<td>470 (18-1/2”)</td>
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<tr>
<td>562H3050P</td>
<td>305 (12”)</td>
<td>248 (9-3/4”)</td>
<td>229 (9”)</td>
<td>16 (5/8”)</td>
<td>-6 (-1/4”)</td>
<td>317 (12-1/2”)</td>
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<tr>
<td>Special 7/8 extension</td>
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<td></td>
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<tr>
<td>552H2290N</td>
<td>305 (12”)</td>
<td>248 (9-3/4”)</td>
<td>229 (9”)</td>
<td>16 (5/8”)</td>
<td>36.7 (1-7/16”)</td>
<td>241 (9-1/2”)</td>
</tr>
</tbody>
</table>

**See mounting specifications on pg. 17**

### Installation components

- T51.1700.04R Locking device (right)
- T51.1700.04L Locking device (left)
- 295.4000 Universal Bracket kit
- 612TH #6 x 1/2” Truss head screw
- 707N #7 x 3/8” Flat head screw
**TANDEM plus 562H specifications**

### Drawer and cabinet specifications

- **Cabinet Depth**
- **Inside Depth**
- **Profile Length**
- **Mounting Position**
- **Setback** 4 (5/32")
- **Min. Top Clearance** 6 (1/4")
- **Max. Drawer Height** = Opening minus 19.8 (13/16")
- **Bottom Clearance** 13.8 (9/16")
- **Drawer Gap** 1 (1/32")
- **Over Extension**
- **Drawer Thk.**
- **Bottom Recess** 12.7 (1/2")

### Preparing drawer for hardware installation

- **612TH Screws**
- **T65.1000 Template**
- **Pilot boring for locking devices**
- **6mm bit with stop collar**
- **2.5 mm bit with extension chuck**

### Drawer size and position in opening

- **Inside Cabinet Width**
- **Outside Drawer Width**
- **Min. Top Clearance** 6 (1/4")
- **Inside Drawer Width** = Insider Cabinet Width minus 42 (1-5/8")
- **Max. Drawer Height** = Opening minus 19.8 (13/16")
- **Max. Drawer Thickness** 16 (5/8")

### Bottom mount installation

- **612TH Screws**
- **295.4000 Universal Bracket kit**
  - Includes (4) brackets
  - Includes (8) M4 screws

### Important Notes:

- Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.

### Calculating outside drawer width

<table>
<thead>
<tr>
<th>For drawer thickness</th>
<th>16 (5/8&quot;)</th>
<th>14 (9/16&quot;)</th>
<th>13 (1/2&quot;)</th>
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</thead>
<tbody>
<tr>
<td>Deduct from inside cabinet width</td>
<td>10 (3/8&quot;)</td>
<td>14 (9/16&quot;)</td>
<td>16 (5/8&quot;)</td>
</tr>
</tbody>
</table>

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Dimensions in millimeters (inch equivalents as noted)
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**TANDEM plus 568H heavy duty concealed drawer runners**

Heavy duty full extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16" tolerance compensating left side.
- 50 kg (110 lb.) Dynamic, and 57 kg (125 lb.) Static weight capacities.

#### Overlay applications

<table>
<thead>
<tr>
<th>Position</th>
<th>Profile Length</th>
<th>Setback</th>
<th>HDL Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>256 (10-1/16&quot;)</td>
<td>10 (3/8&quot;)</td>
<td>533 (21-3/4&quot;)</td>
<td></td>
</tr>
<tr>
<td>224 (8-13/16&quot;)</td>
<td>37 (1-7/16&quot;)</td>
<td>568H4570P</td>
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</tbody>
</table>

#### Inset applications

<table>
<thead>
<tr>
<th>Position</th>
<th>Profile Length</th>
<th>Setback</th>
<th>HDL Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>477 (18-3/4&quot;)</td>
<td>32 (1-1/4&quot;)</td>
<td>568H5330P</td>
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</tr>
<tr>
<td>533 (21&quot;) drawer</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Installation components**
- **T51.1700.04R** Locking device (right)
- **T51.1700.04L** Locking device (left)
- **612TH** #6 x 1/2" Truss head screw
- **707N** #7 x 5/8" Flat head screw

Dimensions in millimeters (inch equivalents as noted)
Subject to technical modifications without notice. © 2001
**TANDEM plus 568H specifications**

**Drawer and cabinet specifications**

**Preparation for drawer hardware installation**

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

**Cabinet Frame**
- Full
  - Max. drawer thk.: 16mm (5/8’’)
  - Dynamic load capacity: 50 kg (110 lb.)
  - Static load capacity: 57 kg (125 lb.)

**Template and Drill bit information**

**IMPORTANT:** Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8”) for drawer to align and run properly.

**Calculating outside drawer width**

<table>
<thead>
<tr>
<th>For drawer thickness</th>
<th>16 (5/8”)</th>
<th>14 (9/16”)</th>
<th>13 (1/2”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deduct from inside cabinet width</td>
<td>10 (3/8”)</td>
<td>14 (9/16”)</td>
<td>16 (5/8”)</td>
</tr>
</tbody>
</table>

**Note:** To meet specified weight capacities, two screws at three mounting points (front, middle, and back) are required. Blocking behind runner must be adequately attached to support specified weight capacities. Not be used with rear mounting brackets or sockets.
TANDEM plus 568H heavy duty concealed drawer runners

Heavy duty full extension runner system
• Zinc coated steel profiles.
• Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
• BLUMATIC spring loaded self-closing action.
• Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
• Force guided right side and +/- 1/16” tolerance compensating left side.
• 50 kg (110 lb.) Dynamic, and 57 kg (125 lb.) Static weight capacities.

Overlay applications

Inset applications

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Minimum Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
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</thead>
<tbody>
<tr>
<td>568HS330P</td>
<td>610 (24&quot;)</td>
<td>553 (21-3/4&quot;)</td>
<td>533 (21&quot;)</td>
<td>16 (5/8&quot;)</td>
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<td>546 (21-1/2&quot;)</td>
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<tr>
<td>568H4570P</td>
<td>533 (21&quot;)</td>
<td>477 (18-3/4&quot;)</td>
<td>457 (18&quot;)</td>
<td>max</td>
<td>0</td>
<td>470 (18-1/2&quot;)</td>
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</tbody>
</table>

Installation components

- T51.1700.04R Locking device (right)
- T51.1700.04L Locking device (left)
- 612TH #6 x 1/2” Truss head screw
- 707N #7 x 5/8” Flat head screw

Dimensions in millimeters (inch equivalents as noted)
TANDEM plus 568H specifications

Drawer and cabinet specifications

Preparation of drawer for hardware installation

Note: To meet specified weight capacities, three screws in front, two screws in middle and two screws in back are required.

Drawer size and position in opening

Calculating outside drawer width

IMPORTANT: Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.
TANDEM plus 566H heavy duty concealed drawer runners

Heavy duty full extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16" tolerance compensating left side.
- 50 kg (110 lb.) Dynamic weight capacity for 600 and 650 lengths. 45 kg (100 lb.) capacity for 700 and 750 lengths.

Overlay applications

Inset applications

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Minimum Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
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<td>740 (29-1/8&quot;)</td>
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<td>566H7000P</td>
<td>703 (27-11/16&quot;)</td>
<td>690 (27-3/16&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>700 (27-9/16&quot;)</td>
</tr>
<tr>
<td>566H6500P</td>
<td>653 (25-11/16&quot;)</td>
<td>640 (25-3/16&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>650 (25-9/16&quot;)</td>
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<tr>
<td>566H6000P</td>
<td>603 (23-3/4&quot;)</td>
<td>590 (23-1/4&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>600 (23-5/8&quot;)</td>
</tr>
</tbody>
</table>

Installation components
- T51.1700.04R Locking device (right)
- T51.1700.04L Locking device (left)
- 295.4000 Universal Bracket kit
- 612TH #6 x 1/2" Truss head screw
- 707N #7 x 5/8" Flat head screw

Dimensions in millimeters (inch equivalents as noted) Subject to technical modifications without notice. © 2001
**TANDEM plus 566H specifications**

**Drawer and cabinet specifications**

- **Bottom Clearance**: 13.8 (9/16")
- **Min. Top Clearance**: 6 (1/4")
- **Setback**: 4 (5/32")
- **Mounting Position**: 37 (1-7/16")

**Max. Drawer Height** = Opening minus 19.8 (3/16")

**Profile Length**

- **Drawer Length**
- **Profile Length**

**Bottom Recess**: 12.7 (1/2")

**Extension Loss**

- **Drawer Thk.**

**Preparation for hardware installation**

- **Locking Device**: 2.5mm bit with extension chuck
- **Boring rear holes for runner hooks**: 6mm bit with stop collar
- **Pilot boring for locking device**: Ø6 x 10 (1/4" x 3/8"

**Rear view of drawer notch and bore details**

- **Template**: T65.1000

**Preparation for hardware installation**

- **Front view of drawer notch and bore details**

**Drawer size and position in opening**

- **Inside Cabinet Width**
- **Outside Drawer Width**
- **Min. Top Clearance**: 6 (1/4")

**Max. Drawer Height = Opening minus 19.8 (3/16")**

**Max. Drawer Thickness**: 16 (5/8")

**Bottom Clearance**: 13.8 (9/16")

**Bottom Recess**: 12.7 (1/2")

**Calculating outside drawer width**

<table>
<thead>
<tr>
<th>For drawer thickness</th>
<th>16 (5/8&quot;)</th>
<th>14 (9/16&quot;)</th>
<th>13 (1/2&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deduct from inside cabinet width</td>
<td>10 (3/8&quot;)</td>
<td>14 (9/16&quot;)</td>
<td>16 (5/8&quot;)</td>
</tr>
</tbody>
</table>

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

- **Cabinet Panel**
  - **Extension**: Full
  - **Max. drawer thk.**: 16mm (5/8")
  - **Dynamic load capacity**: 50 kg (110 lb.)
  - **Static load capacity**: 57 kg (125 lb.)

**Note**: To meet specified weight capacities, four screws front and three screws in back are required.

**Important**: Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.

**Calculating outside drawer width**

<table>
<thead>
<tr>
<th>For drawer thickness</th>
<th>16 (5/8&quot;)</th>
<th>14 (9/16&quot;)</th>
<th>13 (1/2&quot;)</th>
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</thead>
<tbody>
<tr>
<td>Deduct from inside cabinet width</td>
<td>10 (3/8&quot;)</td>
<td>14 (9/16&quot;)</td>
<td>16 (5/8&quot;)</td>
</tr>
</tbody>
</table>
TANDEM 552H concealed drawer runners

**Single extension runner system**
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/− 1/16” tolerance compensating left side.
- 34 kg (75 lb.) Dynamic, and 45 kg (100 lb.) Static weight capacities.

**Overlay applications**

**Inset applications**

**Runners**

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
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</thead>
<tbody>
<tr>
<td>552H5330N</td>
<td>610 (24&quot;)</td>
<td>598 (23-9/16&quot;)</td>
<td>555 (21-7/8&quot;)</td>
<td>533 (21&quot;)</td>
<td>118.5 (4-11/16&quot;)</td>
<td>546 (21-1/2&quot;)</td>
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<tr>
<td>552H4570N</td>
<td>533 (21&quot;)</td>
<td>522 (20-9/16&quot;)</td>
<td>479 (18-7/8&quot;)</td>
<td>457 (18&quot;)</td>
<td>97 (3-13/16&quot;)</td>
<td>470 (18-1/2&quot;)</td>
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<td>552H3810N</td>
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<td>446 (17-9/16&quot;)</td>
<td>403 (15-7/8&quot;)</td>
<td>381 (15&quot;)</td>
<td>98 (3-7/8&quot;)</td>
<td>394 (15-1/2&quot;)</td>
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<tr>
<td>552H3050N</td>
<td>381 (15&quot;)</td>
<td>369 (14-9/16&quot;)</td>
<td>326 (12-7/8&quot;)</td>
<td>305 (12&quot;)</td>
<td>78 (3-1/16&quot;)</td>
<td>317 (12-1/2&quot;)</td>
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</tbody>
</table>

**Special 7/8 extension**

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
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<tr>
<td>552H2290N</td>
<td>305 (12&quot;)</td>
<td>293 (11-9/16&quot;)</td>
<td>250 (9-7/8&quot;)</td>
<td>229 (9&quot;)</td>
<td>36.7 (1-7/16&quot;)</td>
<td>241 (9-1/2&quot;)</td>
</tr>
</tbody>
</table>

**Installation components**

- **T51.1700.04R** Locking device (right)
- **T51.1700.04L** Locking device (left)
- **295.3750** Rear mounting bracket - non handed
- **612TH** #6 x 1/2” Truss head screw
- **707N** #7 x 5/8” Flat head screw
- **295.4000** Universal Bracket kit
TANDEM 552H specifications

Drawer and cabinet specifications

Preparing drawer for hardware installation

Rear view of drawer notch and bore details

Drawer size and position in opening

Calculating outside drawer width

IMPORTANT: Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.

Calculating outside drawer width

For drawer thickness

16 (5/8")
14 (9/16")
13 (1/2")

Deduct from inside cabinet width

10 (3/8")
14 (9/16")
16 (5/8")
TANDEM 552H concealed drawer runners

Single extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16" tolerance compensating left side.
- 34 kg (75 lb.) Dynamic, and 45 kg (100 lb.) Static weight capacities.

Overlay applications

Inset applications

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Minimum Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
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<tbody>
<tr>
<td>552H5330N</td>
<td>610 (24&quot;)</td>
<td>553 (21-3/4&quot;)</td>
<td>533 (21&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>118.5 max.</td>
<td>546 (21-1/2&quot;)</td>
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<td>552H4570N</td>
<td>533 (21&quot;)</td>
<td>477 (18-3/4&quot;)</td>
<td>457 (18&quot;)</td>
<td>97</td>
<td>470</td>
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<td>552H3810N</td>
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<td>381 (15&quot;)</td>
<td>98</td>
<td>394</td>
<td>324 (12-3/4&quot;)</td>
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<tr>
<td>552H3050N</td>
<td>381 (15&quot;)</td>
<td>324 (12-3/4&quot;)</td>
<td>305 (12&quot;)</td>
<td>78</td>
<td>317</td>
<td>246 (9-3/4&quot;)</td>
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Special 7/8 extension

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Minimum Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
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</thead>
<tbody>
<tr>
<td>552H2290N</td>
<td>305 (12&quot;)</td>
<td>248 (9-3/4&quot;)</td>
<td>229 (9&quot;)</td>
<td>16 (5/8&quot;)</td>
<td>36.7</td>
<td>241 (9-1/2&quot;)</td>
</tr>
</tbody>
</table>

Installation components

- T51.1700.04R  Locking device (right)
- T51.1700.04L  Locking device (left)
- 295.4000  Universal Bracket kit
- 612TH  #6 x 1/2" Truss head screw
- 707N  #7 x 5/8" Flat head screw

Dimensions in millimeters (inch equivalents as noted)
**Drawer and cabinet specifications**

- **Cabinet Depth**
- **Inside Depth**
- **Profile Length**
- **Mounting Position**
- **Profile Length**
- **Min. Top Clearance**
- **Max. Drawer Height**
- **Bottom Clearance**
- **Drawer Gap**
- **Extension Loss**
- **Drawer Thk.**
- **Bottom Recess**

**Preparation for drawer hardware installation**

- **612TH Screws**
- **Locking Device**
- **Pilot boring for locking devices**
- **Boring rear holes for runner hooks**
- **6mm bit with stop collar**

**Rear view of drawer notch and bore details**

- **T65.1000 Template**
- **6 x 10 (1/4" x 3/8") bore for hook**

**Drawer size and position in opening**

- **Inside Cabinet Width**
- **Outside Drawer Width**
- **Min. Top Clearance**
- **Max. Drawer Height**
- **Max. Drawer Thickness**
- **Bottom Recess**
- **Cabinet Profile Screws**
- **Interior Rollout Trays**

**Bottom mount installation**

- **612TH Screws**
- **295.4000 Universal Bracket kit**

**Dimensions in millimeters**

- **Panel Single Max. drawer thk.**
- **Dynamic load capacity**
- **Static load capacity**

**Calculating outside drawer width**

<table>
<thead>
<tr>
<th>For drawer thickness</th>
<th>16 (5/8&quot;)</th>
<th>14 (9/16&quot;)</th>
<th>13 (1/2&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deduct from inside cabinet width</td>
<td>10 (3/8&quot;)</td>
<td>14 (9/16&quot;)</td>
<td>16 (5/8&quot;)</td>
</tr>
</tbody>
</table>

**Important:** Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.

**IMPORTANT:**

- **Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.**

**Drawer size and position in opening**

<table>
<thead>
<tr>
<th>Inside Cabinet Width</th>
<th>20.5 (8&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Opening</td>
<td>24 (9-9/16&quot;)</td>
</tr>
<tr>
<td>Bottom Clearance</td>
<td>13.8 (9/16&quot;)</td>
</tr>
<tr>
<td>Bottom Recess</td>
<td>12.7 (1/2&quot;)</td>
</tr>
</tbody>
</table>

**Calculating outside drawer width**

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<th>For drawer thickness</th>
<th>16 (5/8&quot;)</th>
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<td>16 (5/8&quot;)</td>
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**Important:**

- **Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.**

**Calculating outside drawer width**

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<tr>
<th>For drawer thickness</th>
<th>16 (5/8&quot;)</th>
<th>14 (9/16&quot;)</th>
<th>13 (1/2&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deduct from inside cabinet width</td>
<td>10 (3/8&quot;)</td>
<td>14 (9/16&quot;)</td>
<td>16 (5/8&quot;)</td>
</tr>
</tbody>
</table>

**Important:**

- **Because material thickness can vary, inside drawer width must equal inside cabinet width minus 42 (1-5/8") for drawer to align and run properly.**
**TANDEM plus 562F concealed drawer runners**

**Full extension runner system**
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16” tolerance compensating left side.
- **34 kg** (75 lb.) Dynamic, and **45 kg** (100 lb.) Static weight capacities.

**Inset applications**

**Overlay applications**

---

### Installation components

- **T51.1700.04R**: Locking device (right)
- **T51.1700.04L**: Locking device (left)
- **295.3750**: Rear mounting bracket - non handed

---

**Dimensions in millimeters** (inch equivalents as noted)
Subject to technical modifications without notice. © 2001
**TANDEM plus 562F specifications**

**Drawer and cabinet specifications**

- Overall Cabinet  
- Inside Depth
- Bracket Range: 5 to 48 (3/16" to 1-7/8")
- Setback: 4 (5/32")
- Mounting Position: 10 (3/8")
- Drawer Gap: 1 (1/32")
- Bottom Clearance: 13.8 (9/16")
- Max. Drawer Height = Opening minus 19.8 (13/16")
- Min. Top Clearance: 6 (1/4")
- Over Extension: 24.3 (31/32")
- Inside Cabinet Width
- Bottom Recess: 12.7 (1/2")
- Front Mount Bracket
- Drawer size and position in opening

**Preparing drawer for hardware installation**

- 612TH screws
- Locking Device
- Pilot boring for locking devices
- Boring rear holes for runner hooks
- 6mm bit with stop collar
- 2.5mm bit with extension chuck
- T65.1000 Template

**Rear view of drawer notch and bore details**

- 6/10 (1/4" x 3/8") bore for hook
- 11 (7/16")
- 12.7 (1/2")
- 33 (1-1/16")

**Drawer size and position in opening**

- Inside Cabinet Width
- Outside Drawer Width
- Min. Top Clearance: 6 (1/4")
- Inside Drawer Width = Inside Cabinet Width minus 49 (1-15/16")
- Max. Drawer Height = Opening minus 19.8 (13/16")
- Max. Drawer Thickness: 19 (3/4")
- Bottom Clearance: 13.8 (9/16")
- Bottom Recess: 12.7 (1/2")

**Calculating outside drawer width**

For drawer thickness: 19 (3/4") 17.5 (11/16") 16 (5/8")
Deduct from inside cabinet width: 11 (7/16") 14 (9/16") 17 (21/32")

**Relevant dimensions:**

- Drawer gap: 1 (1/32")
- Bottom clearance: 13.8 (9/16")
- Min. top clearance: 6 (1/4")
- Setback: 4 (5/32")
- Bracket range: 5 to 48 (3/16" to 1-7/8")

**Important note:** Because material thickness can vary, inside drawer width must equal inside cabinet width minus 49 (1-15/16") for drawer to align and run properly.

**Calculating outside drawer width**

For drawer thickness:
- 19 (3/4")
- 17.5 (11/16")
- 16 (5/8")

Deduct from inside cabinet width:
- 11 (7/16")
- 14 (9/16")
- 17 (21/32")

**Dynamic load capacity:** 34 kg (75 lb.)
**Static load capacity:** 45 kg (100 lb.)

**Cabinet Frame**
- Full
- 19mm (3/4")

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

**See page 32 for Template and Drill bit information**
TANDEM plus 562F concealed drawer runners

Full extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16" tolerance compensating left side.
- 34 kg (75 lb.) Dynamic, and 45 kg (100 lb.) Static weight capacities.

Overlay applications

Inset applications

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Minimum Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>562F3330P</td>
<td>610 (24&quot;)</td>
<td>(21-3/4&quot;)</td>
<td>533 (21&quot;)</td>
<td>19 (3/4&quot;)</td>
<td>0</td>
<td>546 (21-1/2&quot;)</td>
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<tr>
<td>562F4570P</td>
<td>533 (21&quot;)</td>
<td>(18-3/4&quot;)</td>
<td>477 (18&quot;)</td>
<td>0</td>
<td>0</td>
<td>470 (18&quot;)</td>
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<tr>
<td>562F3810P</td>
<td>457 (18&quot;)</td>
<td>(15-3/4&quot;)</td>
<td>401 (15&quot;)</td>
<td>-6 (-1/4&quot;)</td>
<td>-16 (-5/8&quot;)</td>
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<td>381 (15&quot;)</td>
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<td>324 (12&quot;)</td>
<td>36.7 (1-7/16&quot;)</td>
<td>317 (12-1/2&quot;)</td>
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Special 7/8 extension

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Minimum Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
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</thead>
<tbody>
<tr>
<td>552F2290N</td>
<td>305 (12&quot;)</td>
<td>(9-3/4&quot;)</td>
<td>229 (9&quot;)</td>
<td>19 (3/4&quot;)</td>
<td>0</td>
<td>241 (9-1/2&quot;)</td>
</tr>
</tbody>
</table>

Installation components

- T51.1700.04R: Locking device (right)
- T51.1700.04L: Locking device (left)
- 295.4000: Universal Bracket kit

- 612TH: #6 x 1/2" Truss head screw
- 707N: #7 x 5/8" Flat head screw
**TANDEM plus 562F specifications**

### Drawer and cabinet specifications

- **Bottom Clearance**: 13.8 (9/16")
- **Min. Top Clearance**: 6 (1/4")
- **Setback**: 4 (5/32")
- **Drawer Gap**: 1 (1/32")
- **Mounting Position**: 37.1 (1-7/16")
- **Drawer Thickness**: 19 (3/4")
- **Bottom Recess**: 12.7 (1/2")
- **Max. Drawer Height**: Opening minus 19.8 (13/16")
- **Over Extension**: 24.3 (31/32")
- **36.3 (1-7/16")
- **24.3 (31/32")
- **Min. Top Clearance**: 6 (1/4")
- **36.3 (1-7/16")
- **12.7 (1/2")
- **7 (9/32")
- **33 (1-5/16")
- **11 (7/16")
- **Ø6 x 10 (1/4" x 3/8") bore for hook

### Preparing drawer for hardware installation

- **612TH Screws**
- **T65.1000 Template**
- **6mm bit with stop collar
- **2.5 mm bit with extension chuck
- **Locking Device
- **Pilot boring for locking devices
- **Boring rear holes for runner hooks
- **6mm bit with stop collar

### Drawer size and position in opening

- **Inside Cabinet Width**
- **Outside Drawer Width**
- **Min. Top Clearance**: 6 (1/4")
- **Max. Drawer Height**: Opening minus 19.8 (13/16")
- **Max. Drawer Thickness**: 19 (3/4")
- **Bottom Clearance**: 13.8 (9/16")
- **Bottom Recess**: 12.7 (1/2")

### Calculating outside drawer width

<table>
<thead>
<tr>
<th>For drawer thickness</th>
<th>19 (3/4&quot;)</th>
<th>17.5 (11/16&quot;)</th>
<th>16 (5/8&quot;)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deduct from inside cabinet width</td>
<td>11 (7/16&quot;)</td>
<td>14 (9/16&quot;)</td>
<td>17 (21/32&quot;)</td>
</tr>
</tbody>
</table>

**IMPORTANT**: Because material thickness can vary, inside drawer width must equal inside cabinet width minus 49 (1-15/16") for drawer to align and run properly.

### Bottom mount installation

- **295.4000 Universal Bracket kit**
  - Includes (4) brackets
  - Includes (8) M4 screws

Dimensions in millimeters (inch equivalents as noted)

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TANDEM plus 568F heavy duty concealed drawer runners

Heavy duty full extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16" tolerance compensating left side.
- 50 kg (110 lb.) Dynamic, and 57 kg (125 lb.) Static weight capacities.

Overlay applications

Inset applications

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Minimum Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>568F5330P</td>
<td>610 (24&quot;)</td>
<td>553 (21-3/4&quot;)</td>
<td>533 (21&quot;)</td>
<td>19 (3/4&quot;)</td>
<td>0</td>
<td>546 (21-1/2&quot;)</td>
</tr>
<tr>
<td>568F4570P</td>
<td>533 (21&quot;)</td>
<td>477 (18-3/4&quot;)</td>
<td>457 (18&quot;)</td>
<td>max.</td>
<td>0</td>
<td>470 (18-1/2&quot;)</td>
</tr>
</tbody>
</table>

Installation components
- T51.1700.04R Locking device (right)
- T51.1700.04L Locking device (left)
- 612TH #6 x 1/2" Truss head screw
- 707N #7 x 5/8" Flat head screw

Dimensions in millimeters (inch equivalents as noted)
Subject to technical modifications without notice. © 2001
**TANDEM plus 568F specifications**

**Drawer and cabinet specifications**

- **Overall Cabinet Length**
- **Inside Depth**
- **Profile Length**
- **Setback**
- **Mounting Position**
- **Drawer Length**
- **Drawer Gap**
- **Overall Extension**
- **Drawer Thk.**
- **Bottom Recess**
- **Bottom Clearance**
- **Min. Top Clearance**
- **Max. Drawer Height**
- **Max. Drawer Thickness**

**Preparing drawer for hardware installation**

- **612TH Screws**
- **T65.1000 Template**
- **75° Over Extension**
- **Template T65.1000**
- **Cabinet Profile Screws**
- **Screws**
- **Interior Rollout Trays**
- **Second attachment screw recommended**

**Note:** To meet specified weight capacities, two screws at three mounting points (front, middle, and back) are required. Blocking behind runner must be adequately attached to support specified weight capacities. Not be used with rear mounting brackets or sockets.

**Drawer size and position in opening**

- **Inside Cabinet Width**
- **Outside Drawer Width**
- **Min. Top Clearance**
- **Max. Drawer Height**
- **Max. Drawer Thickness**
- **Inside Drawer Width**
- **Bottom Clearance**
- **Bottom Recess**

**Calculating outside drawer width**

<table>
<thead>
<tr>
<th>For drawer thickness</th>
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</table>

**IMPORTANT:** Because material thickness can vary, inside drawer width must equal inside cabinet width minus 49 (1-15/16") for drawer to align and run properly.

**Dynamic load capacity**

- **Max. drawer thk.**
  - **19mm (3/4")**
- **Static load capacity**
  - **50 kg (110 lb.)**
  - **57 kg (125 lb.)**

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

**Subject to technical modifications without notice. © 2001**
TANDEM plus 568F heavy duty concealed drawer runners

Heavy duty full extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16" tolerance compensating left side.
- 50 kg (110 lb.) Dynamic, and 57 kg (125 lb.) Static weight capacities.

Overlay applications

Inset applications

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<td>457 (18&quot;)</td>
<td>max.</td>
<td>0</td>
<td>470 (18-1/2&quot;)</td>
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</table>

Installation components

- T51.1700.04R Locking device (right)
- T51.1700.04L Locking device (left)
- 612TH #6 x 1/2" Truss head screw
- 707N #7 x 5/8" Flat head screw
**TANDEM plus 568F specifications**

**Drawer and cabinet specifications**

Note: To meet specified weight capacities, three screws in front, two screws in middle and two screws in back are required.

**Preparing drawer for hardware installation**

- 612TH Screws
  - Locking Device
  - Pilot boring for locking devices

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

See page 32 for Template and Drill bit information

**Rear view of drawer notch and bore details**

**Drawer size and position in opening**

Important: Because material thickness can vary, inside drawer width must equal inside cabinet width minus 49 (1-15/16”) for drawer to align and run properly.

**Calculating outside drawer width**

<table>
<thead>
<tr>
<th>For drawer thickness</th>
<th>19 (3/4&quot;)</th>
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<td>17 (21/32&quot;)</td>
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</tbody>
</table>

Dimensions in millimeters (inch equivalents as noted)

**Cabinet**
- Extension Full
  - Max. drawer thk. 19 mm (3/4")
  - Dynamic load capacity 50 kg (110 lb.)
  - Static load capacity 57 kg (125 lb.)

**Panel**
- Full
  - 19 mm (3/4")
  - 50 kg (110 lb.)
  - 57 kg (125 lb.)
**TANDEM 552F concealed drawer runners**

### Single extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16" tolerance compensating left side.
- 34 kg (75 lb.) Dynamic, and 45 kg (100 lb.) Static weight capacities.

### Overlay applications

#### Inside Depth Range
- Minimum = Profile Length + Setback + 5 (3/16")
- Maximum = Profile Length + Setback + 48.5 (1-15/16")

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

**Installation components**
- T51.1700.04R Locking device (right)
- T51.1700.04L Locking device (left)
- 295.3750 Rear mounting bracket - non handed

### Inset applications

#### Insertion applications
- Block before frame
- Drawer front thickness + 5 (3/16")
- Trial recommended
- Minimum = Profile Length + Setback + 5 (3/16")
- Maximum = Profile Length + Setback + 48.5 (1-15/16")

### Runner Specifications

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Inside Depth</th>
<th>Drawer Length</th>
<th>Drawer Thk.</th>
<th>Extension Loss</th>
<th>Profile Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>552F5330N</td>
<td>610 (24&quot;)</td>
<td>598 (23-9/16&quot;) to 555 (21-7/8&quot;)</td>
<td>533 (21&quot;)</td>
<td>19 (3/4&quot;) max.</td>
<td>546 (21-1/2&quot;)</td>
<td></td>
</tr>
<tr>
<td>552F4570N</td>
<td>533 (21&quot;)</td>
<td>522 (20-9/16&quot;) to 479 (18-7/8&quot;)</td>
<td>457 (18&quot;)</td>
<td>97 (3-13/16&quot;)</td>
<td>470 (18-1/2&quot;)</td>
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</tr>
<tr>
<td>552F3810N</td>
<td>457 (18&quot;)</td>
<td>446 (17-15/16&quot;) to 403 (15-7/8&quot;)</td>
<td>381 (15&quot;)</td>
<td>98 (3-7/8&quot;)</td>
<td>394 (15-1/2&quot;)</td>
<td></td>
</tr>
<tr>
<td>552F3050N</td>
<td>381 (15&quot;)</td>
<td>369 (14-9/16&quot;) to 326 (12-7/8&quot;)</td>
<td>305 (12&quot;)</td>
<td>78 (3-1/16&quot;)</td>
<td>317 (12-1/2&quot;)</td>
<td></td>
</tr>
</tbody>
</table>

### Special 7/8 extension
- 552F2290N 305 (12") 293 (11-9/16") 250 (9-7/8") 229 (9") 19 (3/4") 36.7 (1-7/16") 241 (9-1/2")

---

![Rear mounting bracket](image)

![Locking device](image)

![Runner profile](image)
**TANDEM 552F specifications**

**Drawer and cabinet specifications**

- **Bracket Range**: 5 to 48 (3/16 to 1-7/8)
- **Profile Length**:...
- **Setback**: 4-5/32
- **Mounting Position**: 10 (5/8)
- **Drawer Length**:...
- **Drawer Gap**: 1 (5/32)
- **Extension Loss**:...
- **Bottom Recess**: 12.7 (1/2)

**Preparing drawer for hardware installation**

- **612TH Screws**
- **76° Locking Device**
- **Pilot boring for locking devices**
- **2.5 mm bit with extension chuck**
- **6 mm bit with stop collar**

**Template T65.1000**

**Rear view of drawer notch and bore details**

**Drawer size and position in opening**

- **Inside Cabinet Width**
- **Outside Drawer Width**
- **Min. Top Clearance**: 6 (1/4)
- **Inside Drawer Width** = Inside Cabinet Width minus 49 (1-15/16)
- **Max. Drawer Height** = Opening minus 19.8 (13/16)
- **Max. Drawer Thickness**: 19 (3/4)
- **Bottom Clearance**: 13.8 (9/16)
- **Bottom Recess**: 12.7 (1/2)

**Calculating outside drawer width**

- **For drawer thickness**: 19 (3/4)
- **Deduct from inside cabinet width**: 11 (7/16)

**Rear mount bracket**

- **Face Frame Stile**: 20,32 (1-1/4, 13/16)
- **Face Frame Rail**: 7 (9/32)
- **Ø6 x 10 (1/4 x 3/8) bore for hook**
- **11 (7/16)**

**IMPORTANT**: Because material thickness can vary, inside drawer width must equal inside cabinet width minus 49 (1-15/16) for drawer to align and run properly.

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

**Subject to technical modifications without notice. © 2001**
TANDEM 552F concealed drawer runners

Single extension runner system
- Zinc coated steel profiles.
- Concealed roller carriage mechanism with permanently lubricated, synthetic rollers.
- BLUMATIC spring loaded self-closing action.
- Locking devices provide automatic latching, easy release for drawer removal and tool free height adjustment.
- Force guided right side and +/- 1/16" tolerance compensating left side.
- 34 kg (75 lb.) Dynamic, and 45 kg (100 lb.) Static weight capacities.

Inset applications

Overlay applications

<table>
<thead>
<tr>
<th>Runner Part No.</th>
<th>Cabinet Depth</th>
<th>Minimum Inside Depth</th>
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<td>533 (21&quot;)</td>
<td>19 (3/4&quot;)</td>
<td>118.5 (4-11/16&quot;)</td>
<td>546 (21-1/2&quot;)</td>
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<tr>
<td>552F4570N</td>
<td>533 (21&quot;)</td>
<td>477 (18-3/4&quot;)</td>
<td>457 (18&quot;)</td>
<td>97 (3-13/16&quot;)</td>
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<td></td>
</tr>
<tr>
<td>552F3810N</td>
<td>457 (18&quot;)</td>
<td>401 (15-3/4&quot;)</td>
<td>381 (15&quot;)</td>
<td>98 (3-7/8&quot;)</td>
<td>394 (15-1/2&quot;)</td>
<td></td>
</tr>
<tr>
<td>552F3050N</td>
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<td>324 (12-3/4&quot;)</td>
<td>305 (12&quot;)</td>
<td>78 (3-1/16&quot;)</td>
<td>317 (12-1/2&quot;)</td>
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</tbody>
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Special 7/8 extension
- 552F2290N

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<th>Runner Part No.</th>
<th>Cabinet Depth</th>
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<tr>
<td>552F2290N</td>
<td>305 (12&quot;)</td>
<td>248 (9-3/4&quot;)</td>
<td>229 (9&quot;)</td>
<td>19 (3/4&quot;)</td>
<td>36.7 (1-1/16&quot;)</td>
<td>241 (9-1/2&quot;)</td>
</tr>
</tbody>
</table>

Installation components
- T51.1700.04R 612TH: Locking device (right) #6 x 1/2" Truss head screw
- T51.1700.04L 707N: Locking device (left) #7 x 5/8" Flat head screw
- 295.4000 Universal Bracket kit

Dimensions in millimeters (inch equivalents as noted) Subject to technical modifications without notice. © 2001
**TANDEM 552F specifications**

### Drawer and cabinet specifications

- **Cabinet Depth**
- **Inside Depth**
- **Profile Length**
- **Setback** (5/32")
- **Mounting Position** (37 (1-7/16")
- **Drawer Length**
- **Drawer Gap** (1/32")
- **Bottom Clearance** 13.8 (9/16")
- **Min. Top Clearance** 6 (1/4")
- **Max. Drawer Height** = Opening minus 19.8 (3/4")
- **Max. Drawer Thickness** 19 (3/4")
- **Bottom Recess** 12.7 (1/2")

### Preparing drawer for hardware installation

- **612TH Screws**
- **Template** T65.1000
- **6mm bit with stop collar**
- **2.5 mm bit with extension chuck**
- **75°**
- See page 32 for Template and Drill bit information

### Rear view of drawer notch and bore details

- **O6 x 10 (1/4" x 3/8") bore for hook**
- **612TH Screws**

### Drawer size and position in opening

- **Inside Cabinet Width**
- **Outside Drawer Width**
- **Min. Top Clearance** 6 (1/4")
- **Max. Drawer Thickness** 19 (3/4")
- **Max. Drawer Height** = Opening minus 19.8 (3/4")
- **Cabinet Profile Screws** 707N (47 x 5/8") or System screws
- **Interior Rollout Trays** Second attachment screw recommended

### Bottom mount installation

- **295.4000 Universal Bracket kit**
  - Includes (4) brackets
  - Includes (8) M4 screws

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

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**Important:** Because material thickness can vary, inside drawer width must equal inside cabinet width minus 49 (1-15/16") for drawer to align and run properly.

**Calculating outside drawer width**

| For drawer thickness | 19 (3/4") | 17.5 (11/16") | 16 (5/8") |
| Deduct from inside cabinet width | 11 (7/16") | 14 (9/16") | 17 (21/32") |
**TANDEM drilling jig**

- Essential tool for drawers using TANDEM runners
- To drill the Ø6mm holes for rear hooks
- To pilot drill for TANDEM locking devices
- To pilot drill the first fixing position for cabinet profiles

**Accessories**

**T65.1000** TANDEM drilling jig

**T65.9000** Tool set

1. Drill bit extension
2. Stop collar
3. Screwdriver tip
4. Allen key

**DB-2.5mm** Ø2.5mm drill bit
**DB-6mm** Ø6mm drill bit

**Procedures**

Drilling rear fixing holes

Drilling pilot holes for locking device screws

Drilling pilot holes for cabinet profiles

**Drawer drilling jig**

- Used for drilling the drawer front adjuster mounting screw holes in the drawer box
- Fixed settings correspond to the dimensions furnished by Blum's DYANAPLAN software
- For drawers using TANDEM, SOLO and standard runners
- Requires Ø4.5mm drill bit

**ZML.0050** Drawer drilling jig
Cabinet profile drilling jig

- For determining cabinet profile positions using the integrated ruler
- Drilling jig can be used with assembled or unassembled cabinets
- Ensures precise and level location of cabinet profiles
- Permits quick setup when using Blum’s DYNAPLAN layout software
- Suitable for the following Blum drawer runners: TANDEMBOX, METABOX, TANDEM and STANDARD

**Specifications**

**Includes:**
1. Metric calibrated bar, 1 meter long
2. Adjustable templates (4 pcs. included)
3. Clamping lever
4. Extension for Ø2.5mm drill bit

---

**Procedures**

1. Determine runner locations from DYNAPLAN or by manual calculation.
2. Set templates on the bar by the scale.
3. Clamp assembly to the cabinet side
4. Drill Ø2.5mm pilot holes through templates for front and middle mounting positions.
5. Fasten runners to cabinet sides with wood screws into piloted holes.
6. Add screws to back of runner for added strength as required.
TANDEM accessories

TANDEM side spacer

- For spacing out TANDEM runners from the cabinet side for clearance on interior roll-out trays
- Can be used with all 552H and 562H runner lengths

**Application**

Use (2) pcs. per runner on 381, 305 and 229 lengths and (3) pcs. per runner on 533 and 457 lengths.

TANDEM end cap

- To cover the front edge of TANDEM cabinet profiles when used in an interior roll-out tray application
- Can be used with all 552H and 562H runner lengths

**Application**
TANDEM accessories

TANDEM rear mounting blocks

- Eliminates the need to edge bore holes for runner hooks on roll-out shelf panels that are a minimum of 16 (5/8") thick.
- Can be used with all 552H and 562H runner lengths
- Attach to shelf with #6 x 7/8" pan head screws

Application

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

Specifications

Dimensions in millimeters (inch equivalents as noted)
Information is also available on these other Blum products:

- Blum Angled hinge program
- COMPACT concealed hinges for frame cabinets
- Concealed hinges: INSERTA, CLIP and MODUL
- Machine and assembly aids
- MAXUS institutional hinges
- METABOX drawer system
- ORGA-LINE drawer dividing system
- POCKET DOOR hardware
- STANDARD drawer runners
- SOLO concealed runners
- TANDEMBOX drawer system