



TANDEM plus BLUMOTION

Premium Concealed Runners for Wood Drawers

[blum.com](https://www.blum.com)

 **blum**[®]

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.





Contents

TANDEM plus BLUMOTION

- 6** Overview
- 7** Testing Standards
- 8** General Specifications
- 10** Using TANDEM plus BLUMOTION
- 11** Drawer Preparation
- 12** Standard Applications
- 18** Inset Drawer
- 20** Narrow Drawer
- 22** Lateral Stabilizer for 563
- 24** Pull-Out Shelf Lock
- 27** Bottom Mount Drawer
- 28** Locking Devices
- 30** Rear Attachment Options
- 32** TANDEM edge BLUMOTION
- 34** Accessories and Assembly Aids
- 38** ORGA-LINE
- 40** Additional Information
- 41** Part Number Index

Made in the USA with domestic and European components

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.

 **blum**



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.



TANDEM plus BLUMOTION

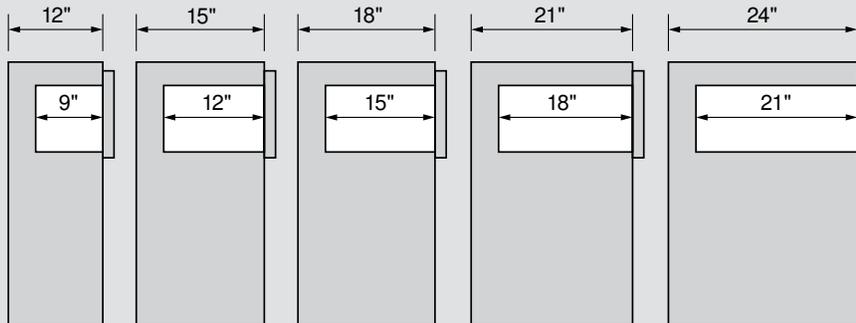


Overview

| Drawer length | 7/8 extension | | Full extension with BLUMOTION | |
|-------------------------|--------------------------|--|-------------------------------|------|
| | Maximum drawer thickness | | Maximum drawer thickness | |
| | 5/8" | | 5/8" | 3/4" |
| 9" | 554H | | 563H | 563F |
| 12" | | | | |
| 15" | | | | |
| 18" | | | 563H and 563. | |
| 21" | | | | |
| Capacity static/dynamic | 100/75 lb* | | 100/90 lb* | |

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

Standard lengths



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 21" 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



**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.



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 duty
- H and . series for drawers up to 5/8" side material thickness
- F series for drawers up to 3/4" side material thickness
- Elongated holes for depth adjustment
- Bottom mount holes on 15", 18" and 21"
- 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

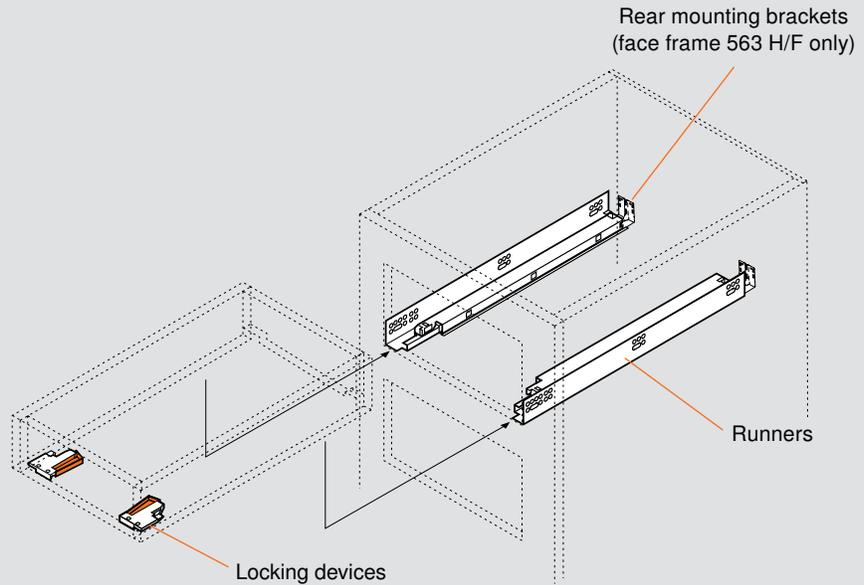
TANDEM runners are designed for the American 3" increment cabinet depth system. This feature permits overlay or inset applications to use the same runner. Full length runners make installation in frameless or face frame cabinets possible.

Load Capacities

- 100 lb static, 90 lb dynamic for TANDEM plus BLUMOTION 563 series

Drawer components

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



NOTE: Rear mounting brackets used for face frame applications only

Locking devices

Locking devices allow easy insertion and removal of drawers



page 28

Rear mounting options

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



page 30

Accessories



page 34

Concealed Runner Template

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

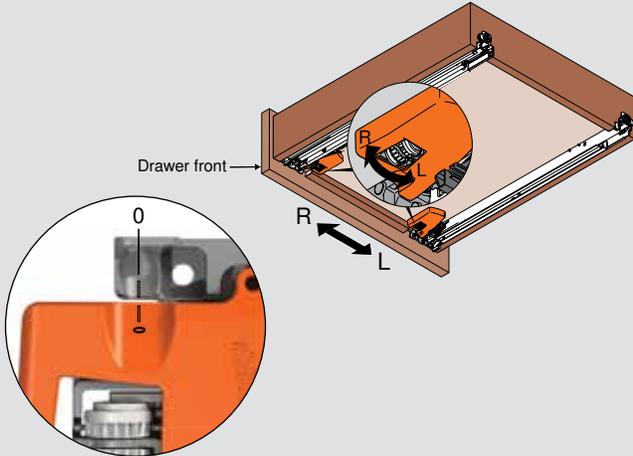


page 35

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

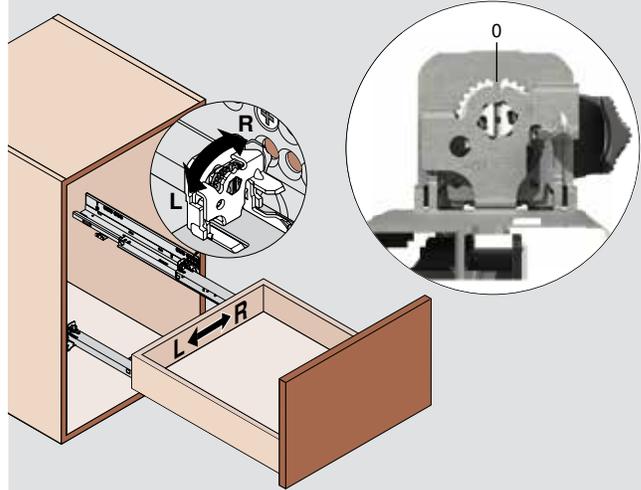


Maximum 1.5 (1/16") to left or right (tool-free)

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)

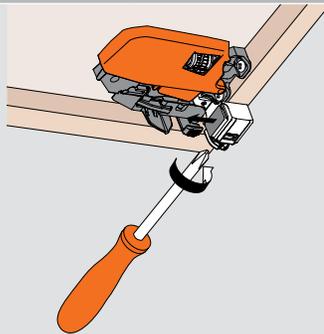
NOTE: The left rear hook is a different design and allows for drawer width tolerances

Depth adjustable locking device

Locking device

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

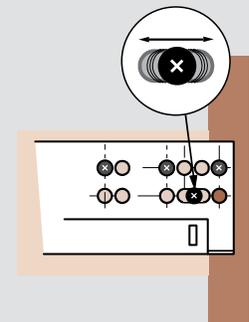
Turning the adjustment screw
allows for up to 2.5 (3/32") out
adjustment



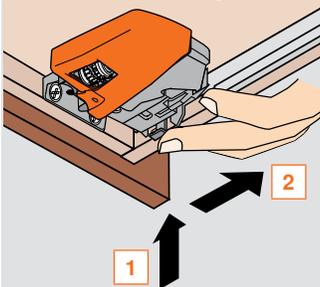
page 28

Depth adjustment on runner

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



Height adjustment



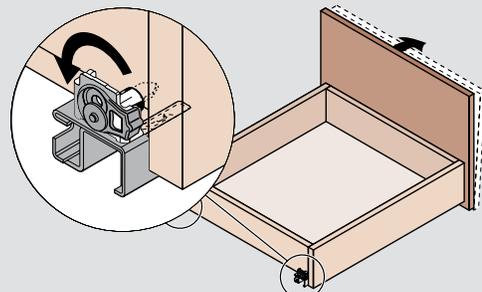
- 1 Press up on adjustment tab
- 2 Push toward back of drawer

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)

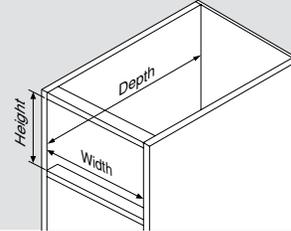


Step 1

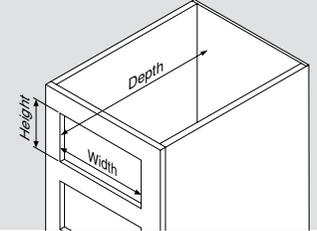
Measure cabinet opening

Cabinet opening measurements are needed to determine drawer box size.

Frameless cabinet



Frame cabinet



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.

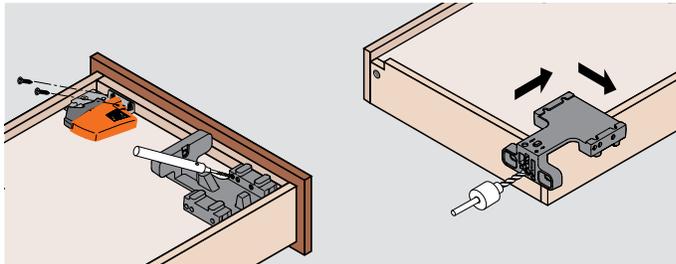
| Drawer length | 7/8 extension | Full extension with BLUMOTION | |
|-------------------------|--------------------------|-------------------------------|--------------------------|
| | Maximum drawer thickness | Maximum drawer thickness | Maximum drawer thickness |
| 9" | 5/8" | 5/8" | 3/4" |
| 12" | 554H | 563H | 563F |
| 15" | | 563H and 563. | |
| 18" | | | |
| 21" | | | |
| Capacity static/dynamic | 100/75 lb | 100/90 lb* | |

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

Step 3

Preparing drawer boxes

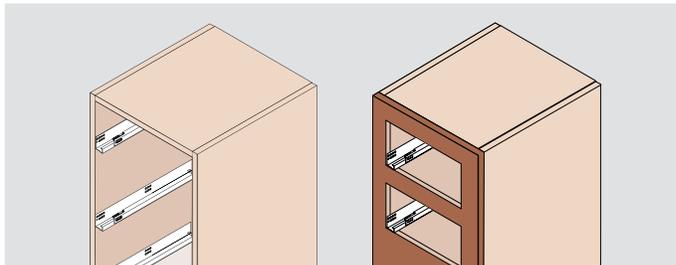
Build drawers according to the specifications given for the TANDEM runners you chose and the measurements determined in Step 1. Install appropriate locking devices and bore holes to accept rear hooks.



Step 4

Attach runners to cabinet

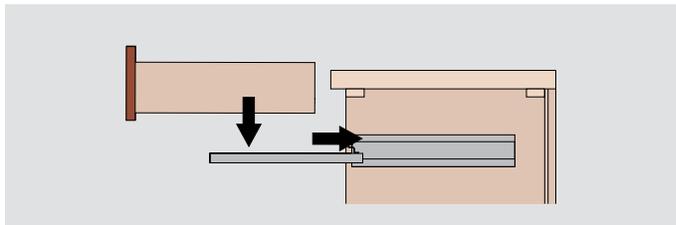
Using the mounting information given for the TANDEM runners you chose, mount the TANDEM runners in the cabinet.



Step 5

Insert drawers

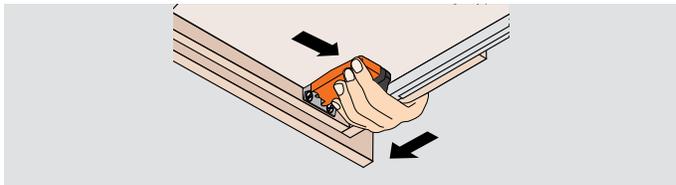
Extend the runners fully. Place the drawer on the runners and close. The locking devices automatically engage with the runners. Make adjustments if necessary.



Step 6

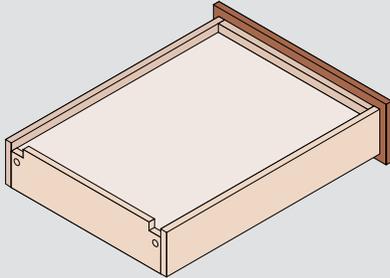
Drawer removal

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



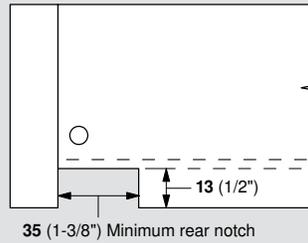
Rear Notching

Dimensions



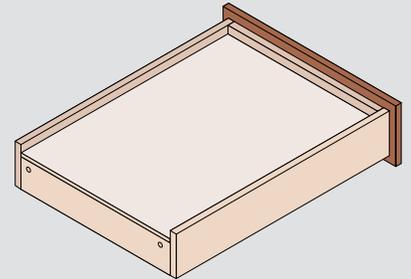
Drawers must be notched in the back to accommodate TANDEM runners

Rear view



The notches must be flush with the drawer sides and bottom

Option – no notching

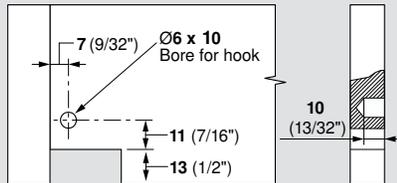


Make the back panel shorter and extend the drawer bottom to the back of the drawer

Rear Boring

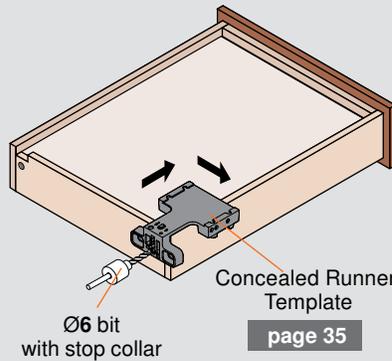
Dimensions

Rear view



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

Boring

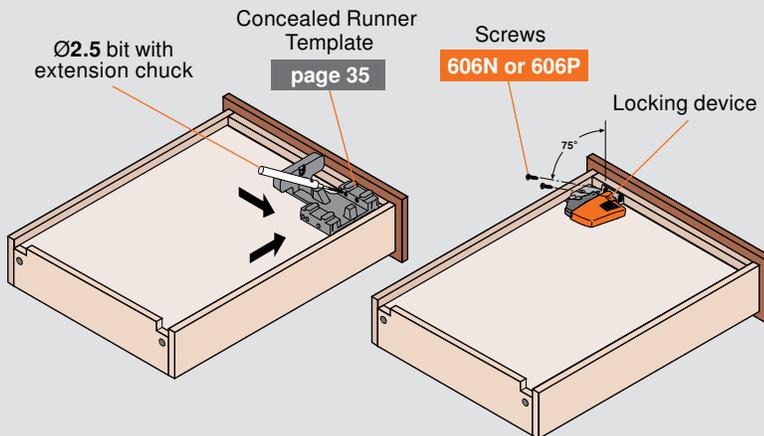


- 1 Place template over the drawer side
- 2 Position template so that the center rib rests against the inside face of the drawer side
- 3 Set stop collar on Ø6 bit so that it will bore 10 (13/32") deep
- 4 Hold template firmly and bore hole
- 5 Repeat on other side

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

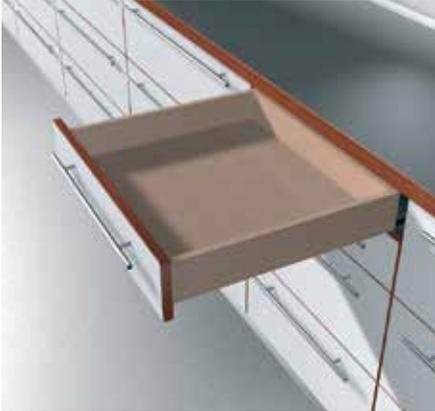
NOTE: Using the T65.1600.01 Concealed Runner Template is highly recommended

TANDEM plus BLUMOTION



TANDEM plus BLUMOTION 563.

Application



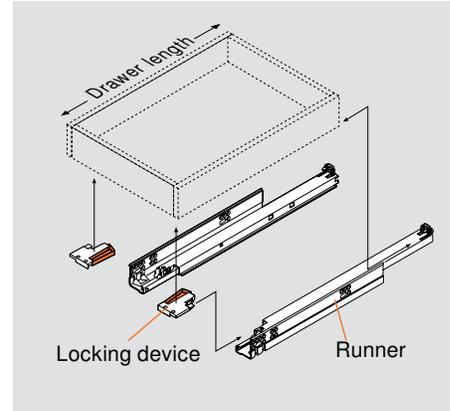
Features

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

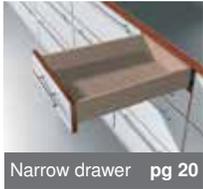
Description

- 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 with domestic and European components

Basic Components



Other Applications



Components

Runner set

One set required per drawer



| For overall cabinet depth | Drawer length | TANDEM plus BLUMOTION |
|-------------------------------|---------------|-----------------------|
| 610 (24") | 533 (21") | 563.5330B |
| 533 (21") | 457 (18") | 563.4570B |
| 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 series runners only
- For other options see page 28

Part no.

Right locking device **T51.1901 R**

Installation Left locking device **T51.1901 L**

page 11 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.

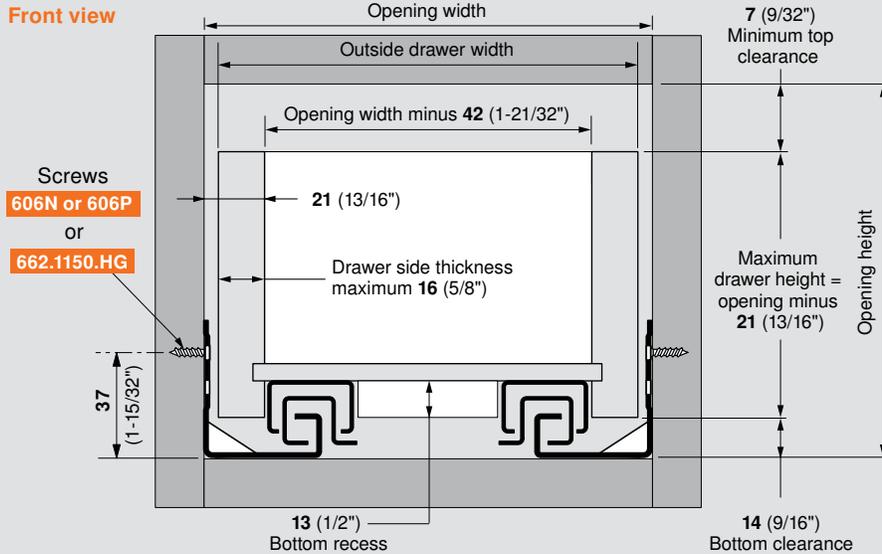
Drawer and Cabinet Specifications

| | |
|--------------------------|-----------|
| Maximum drawer thickness | 16 (5/8") |
| Lengths available | 18" - 21" |
| Static load capacity | 100 lb |

TANDEM plus BLUMOTION



Drawer box specifications



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.

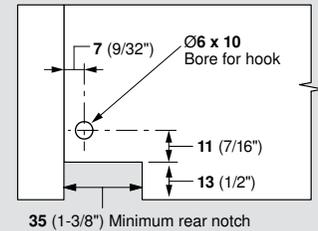
Calculating outside drawer width

| | | | | | |
|---------------------------|-------------|-------------|------------|-----------|-------------|
| 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") | 18 (23/32") |

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

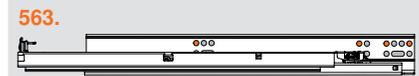
Drawer back preparation

Rear view



Runner comparison

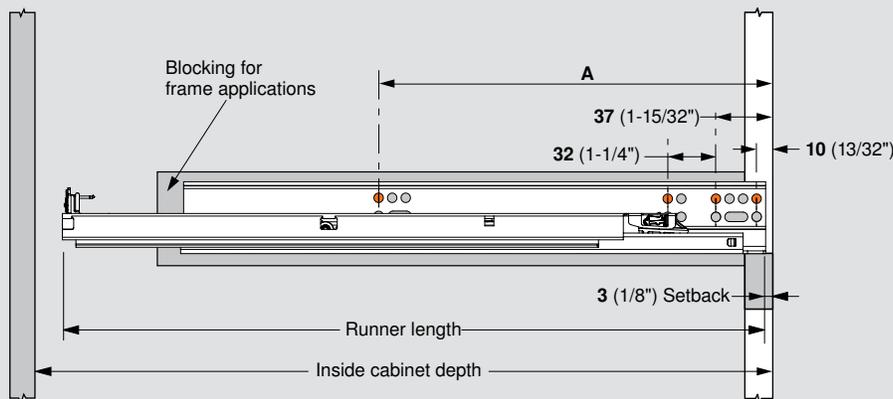
Side view



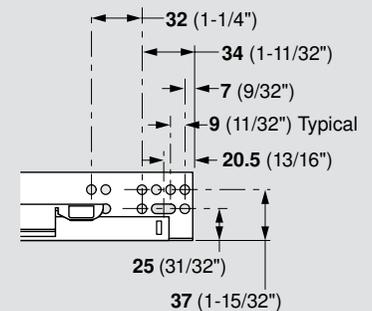
NOTE: Same hole pattern as the 563H

Runner mounting specifications

Side view



Runner close-up



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

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

| TANDEM plus BLUMOTION | Drawer length | Minimum inside cabinet depth | Runner length | Screw location |
|-----------------------|---------------|------------------------------|-----------------|----------------|
| | | | | A |
| 563.5330B | 533 (21") | 557 (21-15/16") | 548 (21-9/16") | 261 (10-9/32") |
| 563.4570B | 457 (18") | 480 (18-29/32") | 471 (18-17/32") | 261 (10-9/32") |

TANDEM plus BLUMOTION



TANDEM plus BLUMOTION 563H

Application



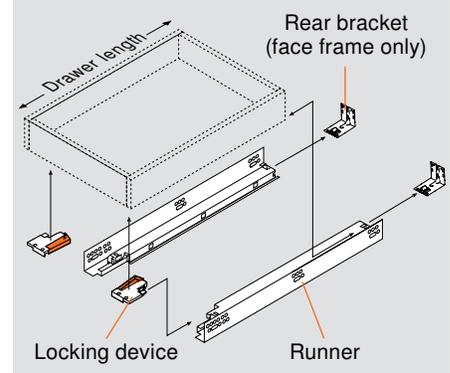
Features

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

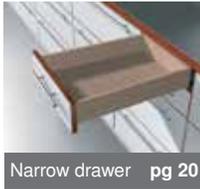
Description

- 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 with domestic and European components

Basic Components



Other Applications



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 series runners only
- For other options see page 28

Part no.

Right locking device **T51.1901 R**

Installation Left locking device **T51.1901 L**

page 11 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 31

Part no.

Non-handed bracket **295.3750.03**

Installation screw **606N or 606P**

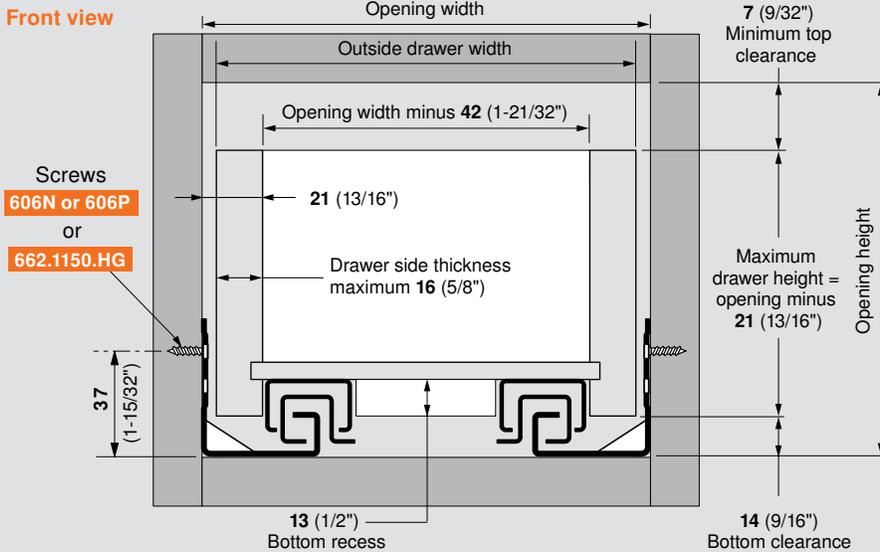
Drawer and Cabinet Specifications

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

TANDEM plus BLUMOTION



Drawer box specifications



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.

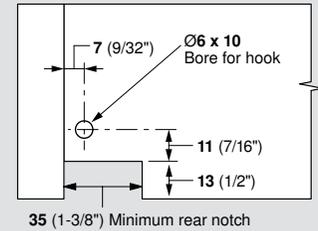
Calculating outside drawer width

| | | | | | |
|---------------------------|-------------|-------------|------------|-----------|-------------|
| 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") | 18 (23/32") |

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

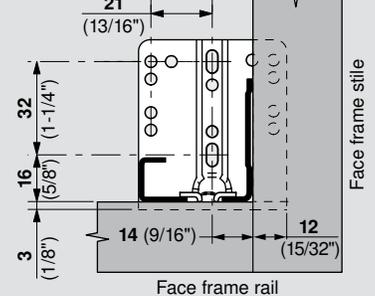
Drawer back preparation

Rear view



Rear mounting bracket

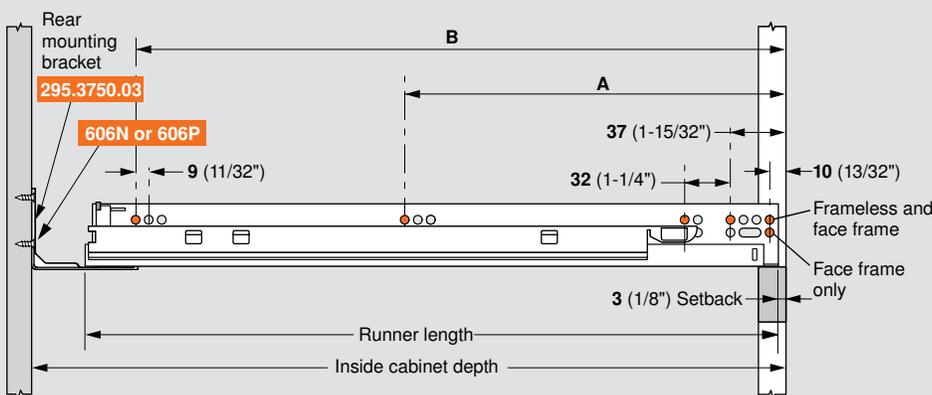
Front view



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

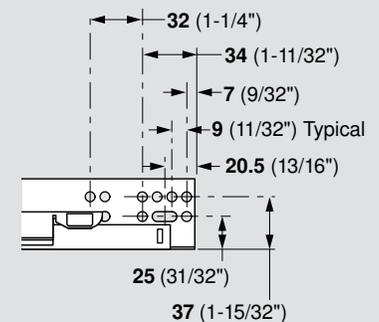
Runner mounting specifications

Side view



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

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.

| TANDEM plus BLUMOTION | Drawer length | Inside cabinet depth with rear attachment | | Runner length | Screw locations for frameless cabinets | |
|-----------------------|---------------|---|-----------------|-----------------|--|-----------------|
| | | Maximum | Minimum | | A | B |
| 563H5330B | 533 (21") | 599 (23-19/32") | 557 (21-15/16") | 548 (21-9/16") | 261 (10-9/32") | 517 (20-11/32") |
| 563H4570B | 457 (18") | 522 (20-9/16") | 480 (18-29/32") | 471 (18-17/32") | 261 (10-9/32") | 453 (17-27/32") |
| 563H3810B | 381 (15") | 446 (17-9/16") | 404 (15-29/32") | 395 (15-9/16") | 165 (6-1/2") | 357 (14-1/16") |
| 563H3050B | 305 (12") | 370 (14-9/16") | 328 (12-29/32") | 319 (12-9/16") | 165 (6-1/2") | 261 (10-9/32") |
| 563H2290B10 | 229 (9") | 299 (11-25/32") | 266 (10-15/32") | 259 (10-3/16") | 133 (5-1/4") | 229 (9") |

TANDEM plus BLUMOTION



TANDEM plus BLUMOTION 563F

Application



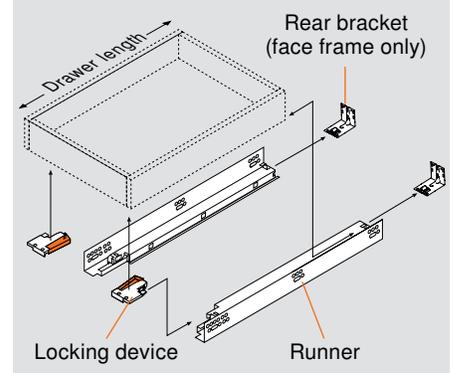
Features

- 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
- 16 (5/8") to 19 (3/4") drawer thickness
- Made in the USA with domestic and European components

Basic Components



Other Applications



Components

Runner set

One set required per drawer



| For overall cabinet depth | Drawer length | TANDEM plus BLUMOTION |
|-------------------------------|---------------|-----------------------|
| 610 (24") | 533 (21") | 563F5330B |
| 533 (21") | 457 (18") | 563F4570B |
| 457 (18") | 381 (15") | 563F3810B |
| 381 (15") | 305 (12") | 563F3050B |
| 305 (12") | 229 (9") | 563F2290B10 |
| 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 series runners only
- For other options see page 28

Part no.

Right locking device **T51.1901 R**

Installation Left locking device **T51.1901 L**

page 11 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 31

Part no.

Non-handed bracket **295.3750.03**

Installation screw **606N or 606P**

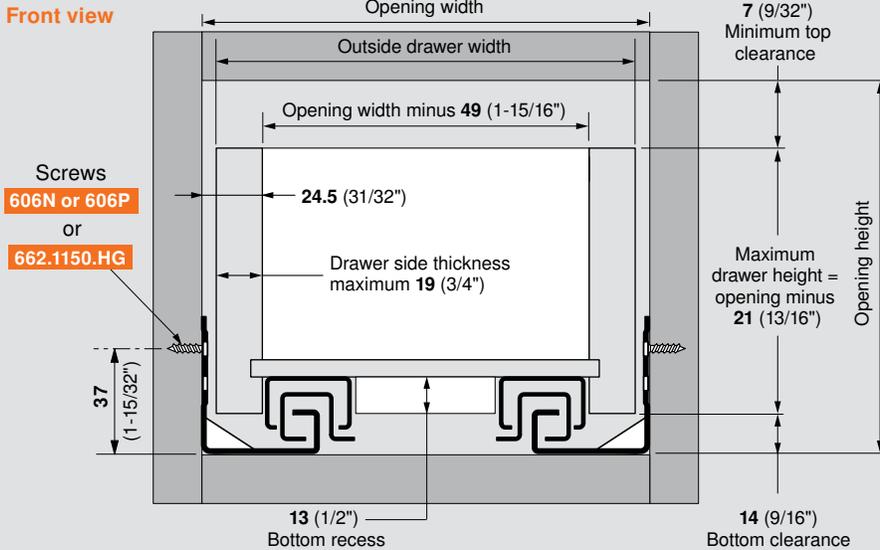
Drawer and Cabinet Specifications

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

TANDEM plus BLUMOTION



Drawer box specifications



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.

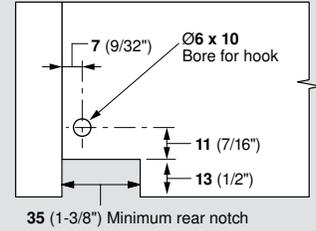
Calculating outside drawer width

| | | | | | |
|---------------------------|------------|-------------|-------------|-------------|-------------|
| For drawer side thickness | 19 (3/4") | 18 (23/32") | 17 (21/32") | 16 (5/8") | 15 (19/32") |
| Deduct from opening width | 11 (7/16") | 13 (1/2") | 15 (19/32") | 17 (21/32") | 19 (3/4") |

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

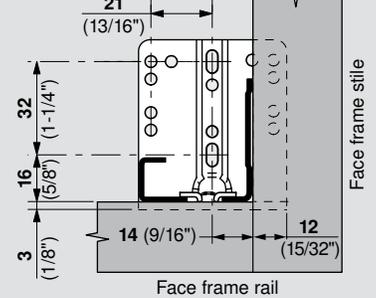
Drawer back preparation

Rear view



Rear mounting bracket

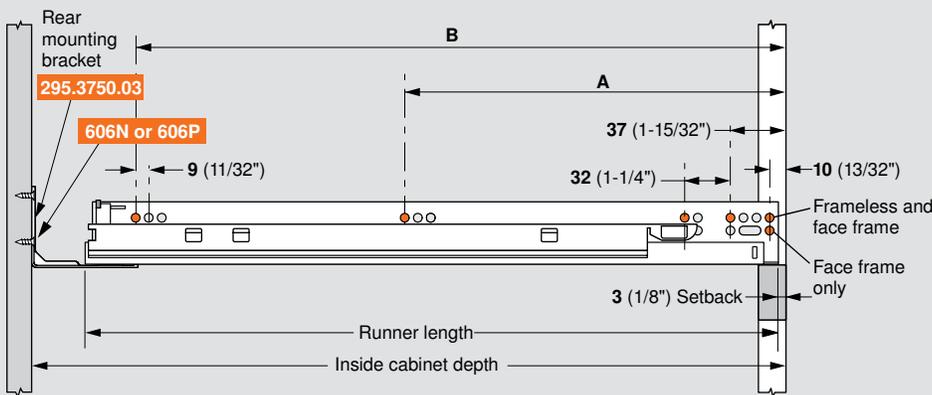
Front view



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

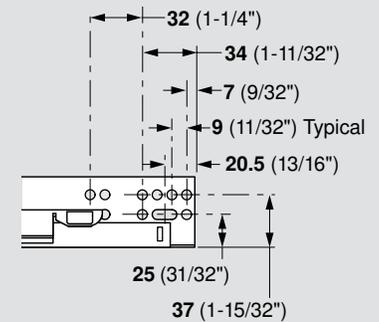
Runner mounting specifications

Side view



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

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.

| TANDEM plus BLUMOTION | Drawer length | Inside cabinet depth with rear attachment | | Runner length | Screw locations for frameless cabinets | |
|-----------------------|---------------|---|-----------------|-----------------|--|-----------------|
| | | Maximum | Minimum | | A | B |
| 563F5330B | 533 (21") | 599 (23-19/32") | 557 (21-15/16") | 548 (21-9/16") | 261 (10-9/32") | 517 (20-11/32") |
| 563F4570B | 457 (18") | 522 (20-9/16") | 480 (18-29/32") | 471 (18-17/32") | 261 (10-9/32") | 453 (17-27/32") |
| 563F3810B | 381 (15") | 446 (17-9/16") | 404 (15-29/32") | 395 (15-9/16") | 165 (6-1/2") | 357 (14-1/16") |
| 563F3050B | 305 (12") | 370 (14-9/16") | 328 (12-29/32") | 319 (12-9/16") | 165 (6-1/2") | 261 (10-9/32") |
| 563F2290B10 | 229 (9") | 299 (11-25/32") | 266 (10-15/32") | 259 (10-3/16") | 133 (5-1/4") | 229 (9") |

Inset Drawer

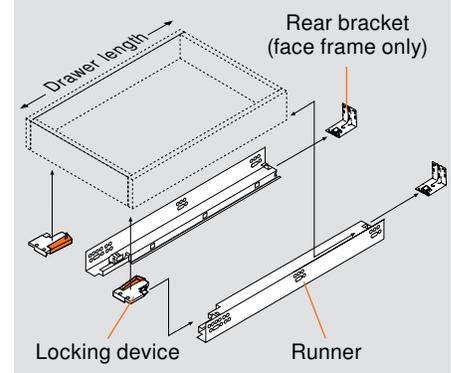
Application



Description

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

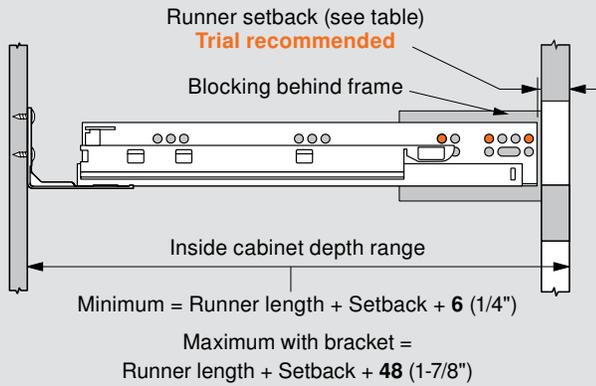
Basic Components



Specifications

Partial block-out

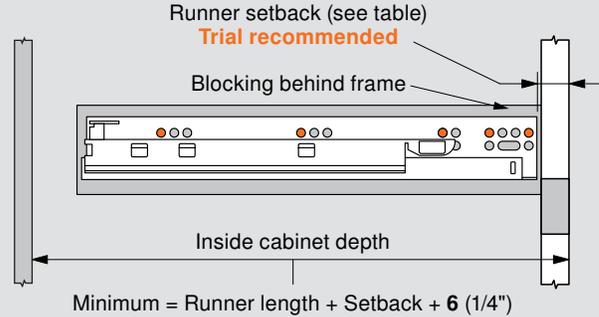
Side view



NOTE: Only for 563 H and F series runners

Complete block-out

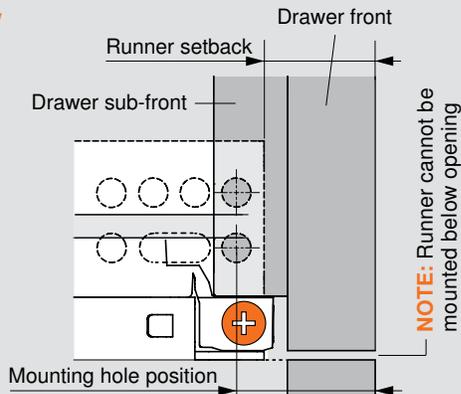
Side view



NOTE: Required for 563. series runner

Setback information

Side view



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

Runner Setback Specifications

TANDEM plus BLUMOTION



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

|  | 563 H/ | | Runner setback | | | 563 F | | Runner setback | | |
|---|---------------------|-----------|----------------|--------------|--------------|---------------------|------------------------|----------------|--------------|--------------|
| | Sub-front thickness | 13 (1/2") | 20 (25/32") | 23 (29/32") | 26 (1-1/32") | Sub-front thickness | 13 (1/2") | 17 (21/32") | 20 (25/32") | 23 (29/32") |
| | | 16 (5/8") | 23 (29/32") | 26 (1-1/32") | 29 (1-5/32") | | 16 (5/8") | 20 (25/32") | 23 (29/32") | 26 (1-1/32") |
| | | 19 (3/4") | 26 (1-1/32") | 29 (1-5/32") | 32 (1-1/4") | | 19 (3/4") | 23 (29/32") | 26 (1-1/32") | 29 (1-5/32") |
| Drawer front thickness | | | | 16 (5/8") | 19 (3/4") | 22 (7/8") | Drawer front thickness | | | |

- 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

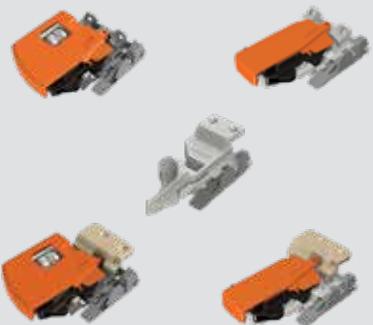
Calculating runner setback

563 H/ (sub-front thickness + drawer front thickness minus **9 (11/32")** = runner setback)

563 F (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

|  | 563 H/ | | Runner setback | | | 563 F | | Runner setback | | |
|--|---------------------|-----------|----------------|----------------|----------------|---------------------|------------------------|----------------|---------------|----------------|
| | Sub-front thickness | 13 (1/2") | 17.5 (11/16") | 20.5 (13/16") | 23.5 (15/16") | Sub-front thickness | 13 (1/2") | 14.5 (9/16") | 17.5 (11/16") | 20.5 (13/16") |
| | | 16 (5/8") | 20.5 (13/16") | 23.5 (15/16") | 26.5 (1-1/32") | | 16 (5/8") | 17.5 (11/16") | 20.5 (13/16") | 23.5 (15/16") |
| | | 19 (3/4") | 23.5 (15/16") | 26.5 (1-1/32") | 29.5 (1-5/32") | | 19 (3/4") | 20.5 (13/16") | 23.5 (15/16") | 26.5 (1-1/32") |
| Drawer front thickness | | | | 16 (5/8") | 19 (3/4") | 22 (7/8") | Drawer front thickness | | | |

- 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 H/ (sub-front thickness + drawer front thickness minus **11.5 (7/16")** = runner setback)

563 F (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

TANDEM plus BLUMOTION



Narrow Drawer

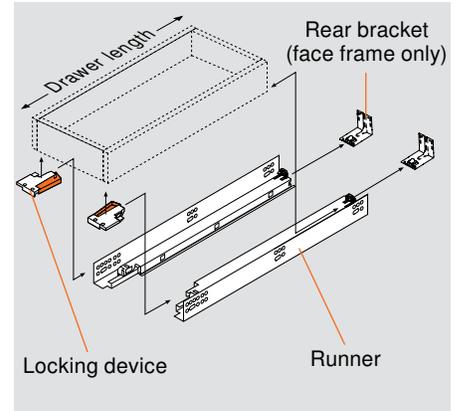
Application



Description

- 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

Basic Components



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.

TANDEM plus BLUMOTION

| | |
|-------------|---------|
| 563. series | page 12 |
| 563H series | page 14 |
| 563F series | page 16 |

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 series runners only

Part no.

Right locking device **T51.0801.20 R**

Installation Left locking device **T51.0801.20 L**

page 21 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 31

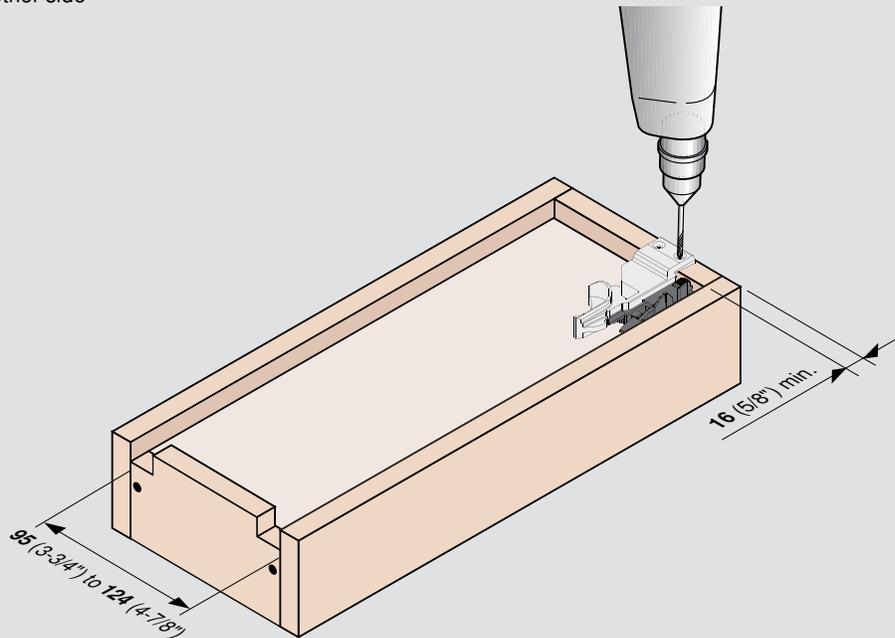
Part no.

Non-handed bracket **295.3750.03**

Installation screw **606N or 606P**

Attach locking devices

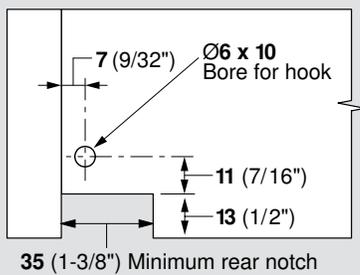
- 1 Position locking device in front corner of the drawer
- 2 Pre-bore locking device mounting screw holes with $\varnothing 2.5$ piloting bit
- 3 Attach with two 606N or 606P screws
- 4 Repeat on the other side



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

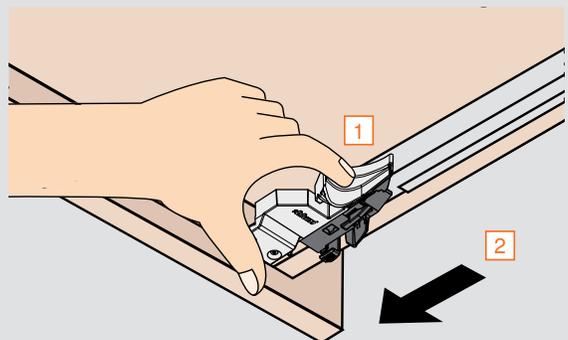
Drawer back preparation

Rear view



Drawer removal

- 1 Squeeze release levers on locking devices
- 2 Pull drawer straight out and up



TANDEM plus BLUMOTION



Lateral stabilizer for 563

Application



Description

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

Specifications

- Frameless and blocked-out face frame applications **229** (9") to **533** (21") 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:

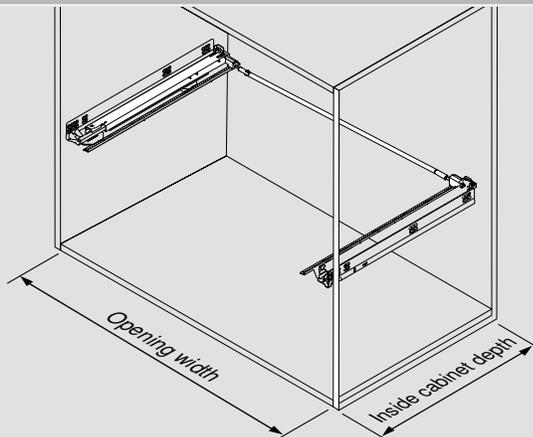
- Pinion housing (qty 2)
 - Gear rack with locating tabs (qty 2)
 - Linkage rod, length **1054** (41-1/2")
 - Pinion adapter (qty 2)
 - Locking clip (qty 2)
- Installation instructions

Part no.

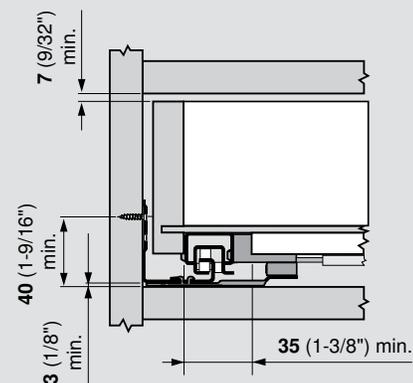
Lateral stabilizer set

ZST.686TU01

Space requirements



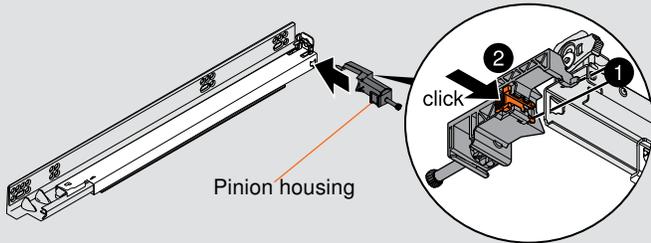
- Maximum opening width **1352** (53-7/32")
- Minimum inside cabinet depth = setback + runner length + **18** (23/32")



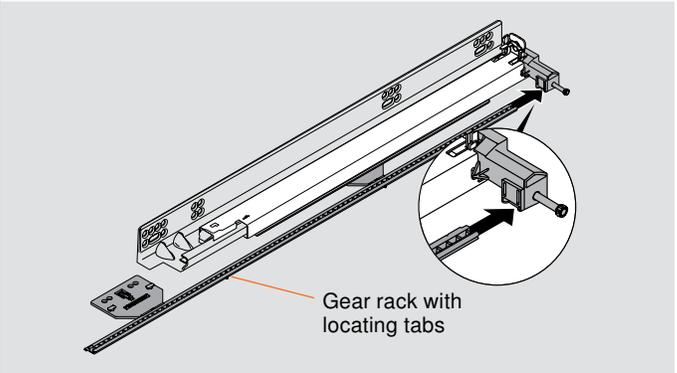
NOTE: TANDEM runners will sit **3 (1/8")** higher when using the lateral stabilizer in bottom mount applications and may have to be raised for some bottom mount drawer applications using SERVO-DRIVE

Step 1 – Attach left and right pinion housings

- 1 Insert locating pins into TANDEM runner
- 2 Press orange locking clips to lock into place

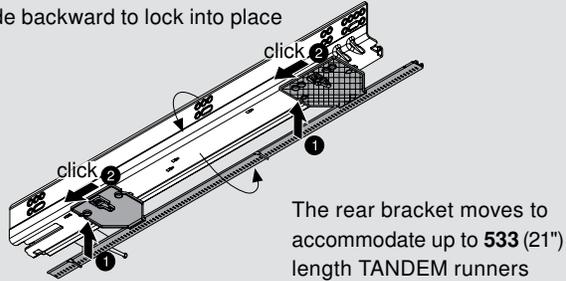


Step 2 – Slide gear racks into pinion housings

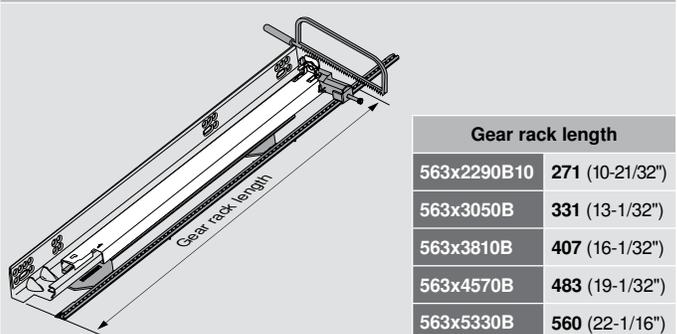


Step 3 – Install gear racks

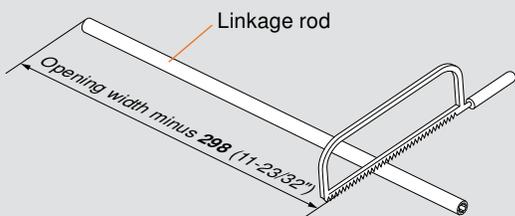
- 1 Insert locating tabs into cut-outs on bottom of runners
- 2 Slide backward to lock into place



Step 4 – Cut gear racks to length

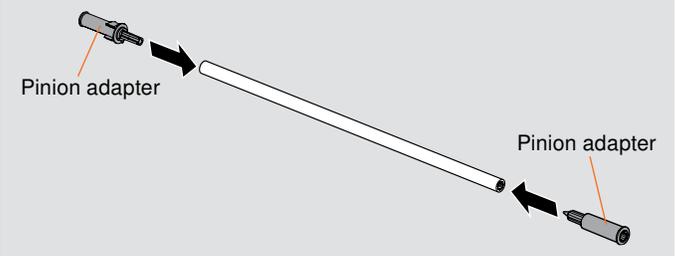


Step 5 – Cut linkage rod to length



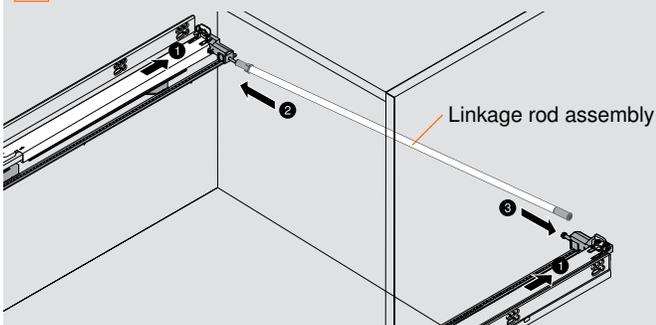
Linkage rod length equals opening width minus 298 (11-23/32")

Step 6 – Press pinion adaptors into linkage rod



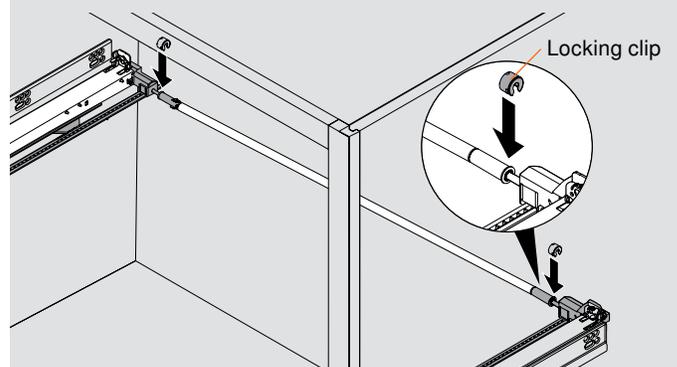
Step 7 – Install linkage rod assembly

- 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



TANDEM plus BLUMOTION



Pull-Out Shelf Lock for Frameless

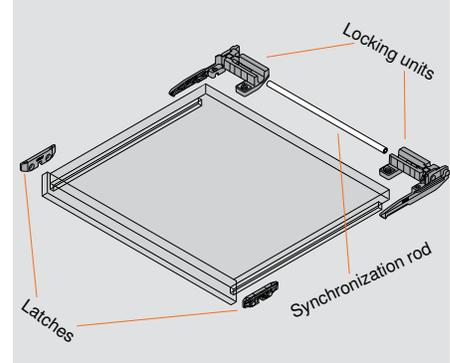
Application



Description

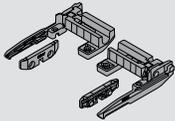
- For TANDEM 563 H/., and all MOVENTO runners
- Can be combined with TIP-ON BLUMOTION
- Two-sided locking for secure hold
- Can be released with one hand from either side of the shelf
- Easy installation with self-aligning components
- No change to runner installation
- Can be easily integrated into the existing manufacturing processes
- Designed for use in frameless or blocked-out face frame applications

Basic components



Components

Pull-out shelf lock set

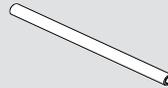


- Nylon, Orion gray material
- Set Includes:
 - 2 locking units (install with wood screws)
 - 2 latches (install with wood or system screws)
 - Installation instructions
 - Not designed for TANDEM plus BLUMOTION 9" length runners

Part no.

| | |
|---------------|---------------------|
| For frameless | 295H5700 |
| Wood screw | 606N or 606P |
| System screw | 661.1450.HG |

Synchronization rod

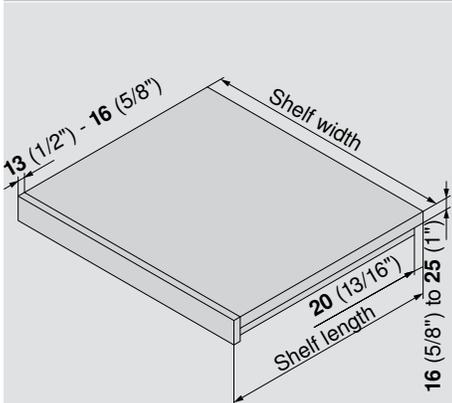


- Natural color
- Aluminum material
- Opening width:
 - Minimum = **212** (8-3/8")
 - Maximum = **1176** (46-5/16")
- Length **1089** (42-7/8"), cut to size
- Pull-out shelf lock can be released with one hand thanks to the synchronization rod

Synchronization rod **ZST.1089W**

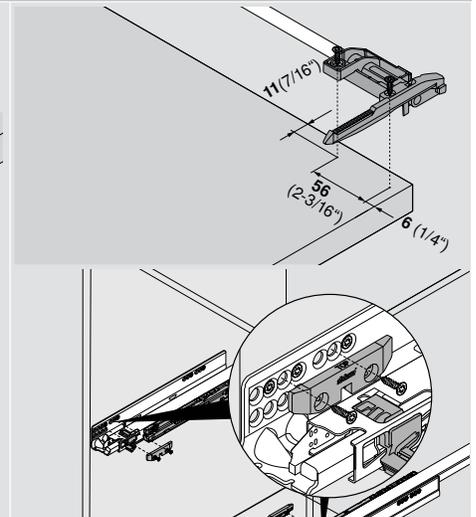
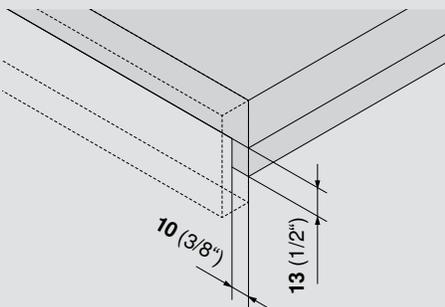
NOTE: Length = opening width minus **87** (3-7/16")

Pull-out shelf assembly



- Shelf width = opening width minus **22** (7/8")
- Shelf length = specified drawer length for runner minus **28** (1-1/8")

Front view



Pull-Out Shelf Lock for Face Frame

TANDEM plus BLUMOTION



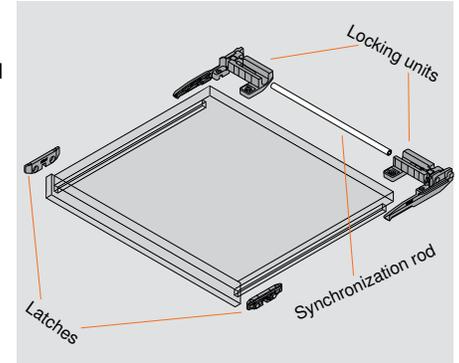
Application



Description

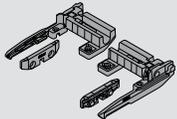
- For TANDEM 563 H/., and all MOVENTO runners
- Can be combined with TIP-ON BLUMOTION
- Two-sided locking for secure hold
- Can be released with one hand from either side of the shelf
- Easy installation with self-aligning components
- No change to runner installation
- Can be easily integrated into the existing manufacturing processes
- Designed for use in face frame applications

Basic components



Components

Pull-out shelf lock set

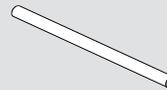


- Nylon, Orion gray material
- Set Includes:
- 2 locking units (install with wood screws)
 - 2 latches (install with wood or system screws)
 - Installation instructions
 - Not designed for TANDEM plus BLUMOTION 9" length runners

Part no.

| | |
|----------------|---------------------|
| For face frame | 295H5750 |
| Wood screw | 606N or 606P |
| System screw | 661.1450.HG |

Synchronization rod

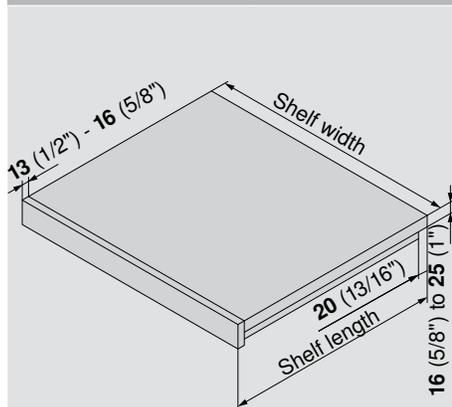


- Natural color
- Aluminum material
- Opening width:
 - Minimum = **212** (8-3/8")
 - Maximum = **1176** (46-5/16")
- Length **1089** (42-7/8"), cut to size
- Pull-out shelf lock can be released with one hand thanks to the synchronization rod

Synchronization rod **ZST.1089W**

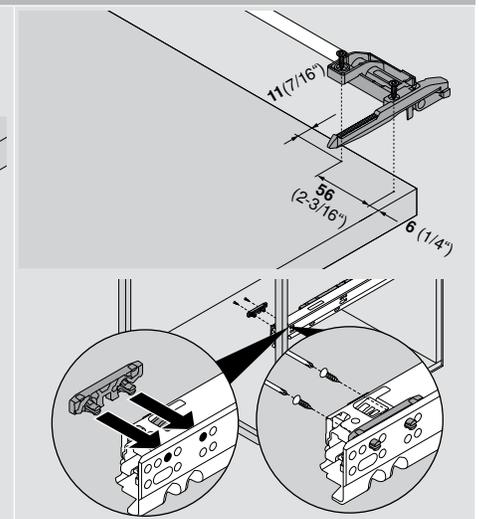
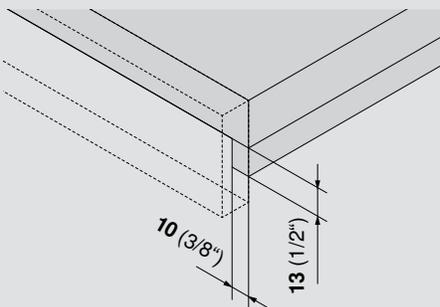
NOTE: Length = opening width minus **87** (3-7/16")

Pull-out shelf assembly



- Shelf width = opening width minus **22** (7/8")
- Shelf length = specified drawer length for runner minus **28** (1-1/8")

Front view







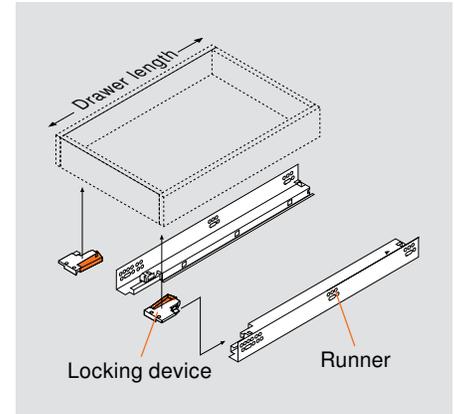
Application



Description

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

Basic Components



Components

Runner set

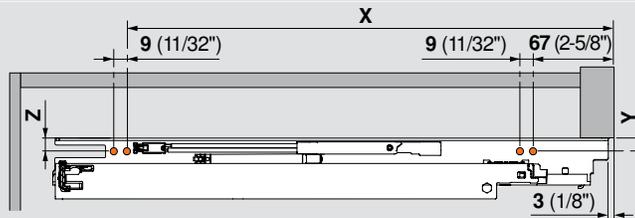
One set required per drawer



| | Maximum drawer material thickness | For overall cabinet depth | Drawer length | TANDEM plus BLUMOTION |
|-----------|-----------------------------------|---------------------------|---------------|-----------------------|
| 16 (5/8") | 610 (24") | 533 (21") | 533 (21") | 563.5330B |
| | | | 457 (18") | 563.4570B |
| | | | 533 (21") | 563H5330B |
| | | | 457 (18") | 563H4570B |
| 19 (3/4") | 610 (24") | 533 (21") | 457 (18") | 563H3810B |
| | | | 381 (15") | 563F5330B |
| | | | 533 (21") | 563F4570B |
| | | | 457 (18") | 563F3810B |
| | Wood screw for installation | | | 606N or 606P |
| | System screw for installation | | | 662.1150.HG |

Runner mounting specifications

Top view



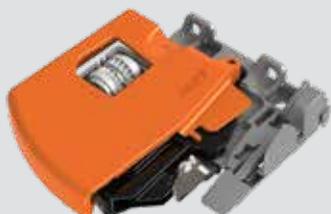
| TANDEM plus BLUMOTION | Drawer length | Minimum inside cabinet depth | X | Y | Z |
|-----------------------|---------------|------------------------------|----------------|-------------|-------------|
| 563.5330B | 533 (21") | 557 (21-15/16") | 358 (14-3/32") | 12 (15/32") | 19 (3/4") |
| 563.4570B | 457 (18") | 480 (18-29/32") | 358 (14-3/32") | 12 (15/32") | 19 (3/4") |
| 563H5330B | 533 (21") | 557 (21-15/16") | 448 (17-5/8") | 12 (15/32") | 19 (3/4") |
| 563H4570B | 457 (18") | 480 (18-29/32") | 378 (14-7/8") | 12 (15/32") | 19 (3/4") |
| 563H3810B | 381 (15") | 404 (15-29/32") | 319 (12-9/16") | 12 (15/32") | 19 (3/4") |
| 563F5330B | 533 (21") | 557 (21-15/16") | 448 (17-5/8") | 15.5 (5/8") | 22.5 (7/8") |
| 563F4570B | 457 (18") | 480 (18-29/32") | 378 (14-7/8") | 15.5 (5/8") | 22.5 (7/8") |
| 563F3810B | 381 (15") | 404 (15-29/32") | 319 (12-9/16") | 15.5 (5/8") | 22.5 (7/8") |



With Side-to-Side Adjustment

Standard

One right and one left required per drawer



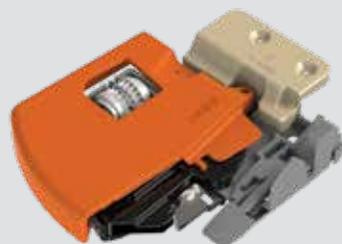
- Captive right device and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Minimum inside drawer width **170** (6-11/16")
- Height adjustment **+3** (1/8")
- Side-to-side adjustment ± 1.5 (1/16")

Part no.

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

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

Part no.

| | |
|----------------------|----------------------|
| Right locking device | T51.1901.20 R |
| Left locking device | T51.1901.20 L |
| Installation screw | 606N or 606P |

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

Part no.

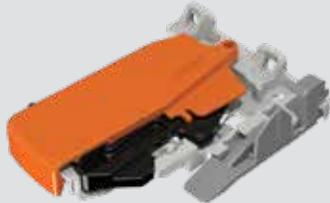
| | |
|----------------------|----------------------|
| Right locking device | T51.1901.PS R |
| Left locking device | T51.1901.PS L |
| Installation screw | 606N or 606P |



Without Side-to-Side Adjustment

Standard

One right and one left required per drawer



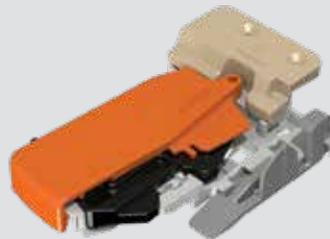
- For use with standard applications
- Captive right device and self-aligning left device
- Self-adjusting drawer length tolerance
- Zinc die-cast with synthetic, spring-loaded release levers
- Minimum inside drawer width **124** (4-7/8")
- Height adjustment **+3** (1/8")

Part no.

| | |
|----------------------|---------------------|
| Right locking device | T51.1801 R |
| Left locking device | T51.1801 L |
| Installation screw | 606N or 606P |

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
- Zinc die-cast with synthetic, spring-loaded release levers
- Minimum inside drawer width **124** (4-7/8")
- 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 | T51.1801.20 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 |

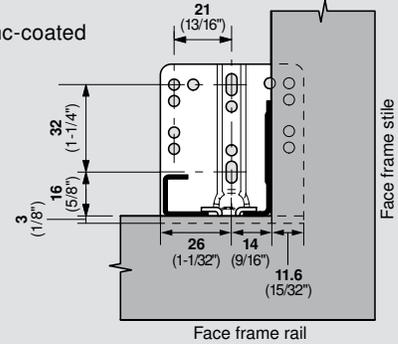


Screw-on bracket

Two required per drawer



- For TANDEM 554 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 563 series 9" runners



Part no.

Screw-on bracket

295.3750.03

NOTE: Illustration is for 563 series

Installation screw

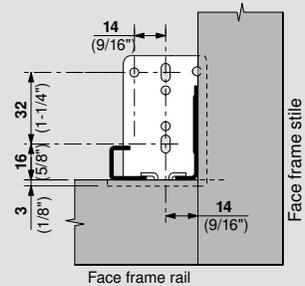
606N or 606P

Narrow screw-on bracket

Two required per drawer



- For TANDEM 554 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 295.3750.03 allows
- Use at least three #6 wood screws
- Not for use with 563 series 9" runners



Part no.

Screw-on bracket

295.3550.01

NOTE: Illustration is for 563 series

Installation screw

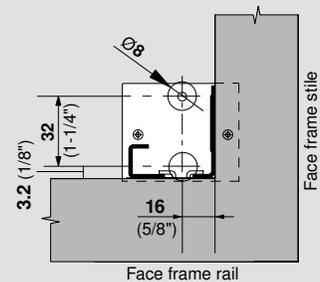
606N or 606P

Plug-in socket

Two required per drawer



- For TANDEM 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



Part no.

Plug-in socket

295.6410

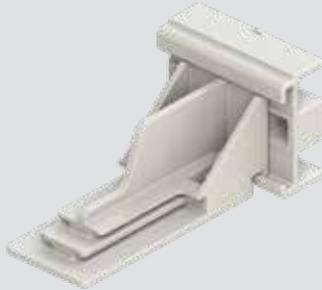
Installation screw

606N or 606P

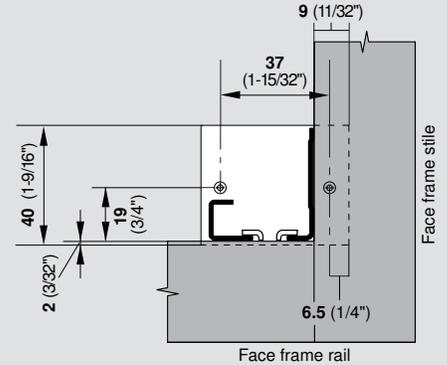


Screw-on socket

Two required per drawer



- For TANDEM 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

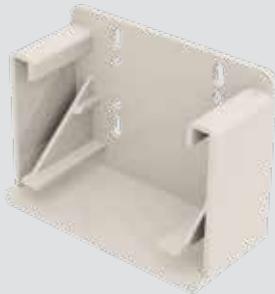


Part no.

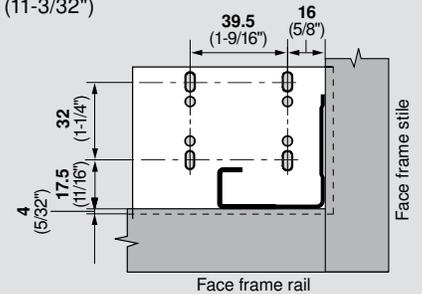
| | |
|--------------------|--------------|
| Screw-on socket | 295.6400 |
| Installation screw | 606N or 606P |

Screw-on socket for 9" TANDEM plus BLUMOTION runners

Two required per drawer



- For TANDEM 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

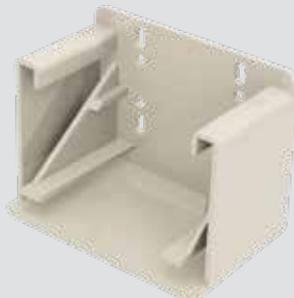


Part no.

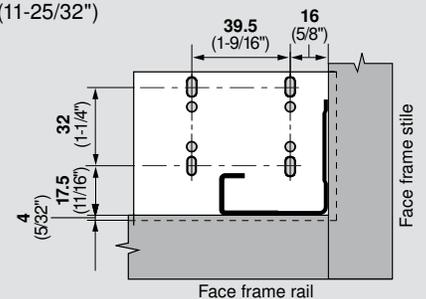
| | |
|--------------------|--------------|
| Screw-on socket | 295.3700.21 |
| Installation screw | 606N or 606P |

Screw-on socket for 9" TANDEM plus BLUMOTION runners

Two required per drawer



- For TANDEM 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



Part no.

| | |
|--------------------|--------------|
| Screw-on socket | 295.3700.22 |
| Installation screw | 606N or 606P |

TANDEM plus BLUMOTION



TANDEM edge BLUMOTION 554H

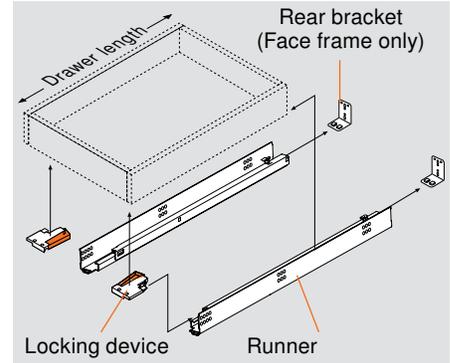
Application



Description

- 7/8 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
- Locking devices enable easy drawer insertion and removal
- Static load capacity 100 lb

Basic components



Components

Runner set

One set required per drawer



| For overall cabinet depth | Drawer length | TANDEM edge BLUMOTION |
|-------------------------------|---------------|-----------------------|
| 610 (24") | 533 (21") | 554H5330B01 |
| 533 (21") | 457 (18") | 554H4570B01 |
| 457 (18") | 381 (15") | 554H3810B01 |
| 381 (15") | 305 (12") | 554H3050B01 |
| 305 (12") | 229 (9") | 554H2290B01 |
| Wood screw for installation | | 707N |
| System screw for installation | | 661.1300.HG |

Standard locking device



- One right and one left required per drawer
- Minimum inside drawer width 121 (4-3/4")
- Height adjustment +3 (1/8")
- For TANDEM edge BLUMOTION series runners only

Part no.

| | |
|----------------------|---------------|
| Right locking device | T51.1700.04 R |
| Left locking device | T51.1700.04 L |
| Installation screw | 612TH |

Screw-on 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
- Non-handed bracket

Part no.

| | |
|--------------------|-------------|
| Screw-on bracket | 295.3750.03 |
| Installation screw | 612TH |

Standard locking device



- One right and one left required per drawer
- Minimum inside drawer width 121 (4-3/4")
- Part numbers are subject to change
- For TANDEM edge BLUMOTION series runners only

Part no.

| | |
|----------------------|------------|
| Right locking device | T51.1400 R |
| Left locking device | T51.1400 L |
| Installation screw | 606N |

Plug-in socket for frame cabinets



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

- Two required per drawer
- Lateral self-alignment
- Non-handed, two-piece design

Part no.

| | |
|--------------------|-------------|
| Plug-in socket | 295.6510.21 |
| Installation screw | 606P |

Drawer and Cabinet Specifications

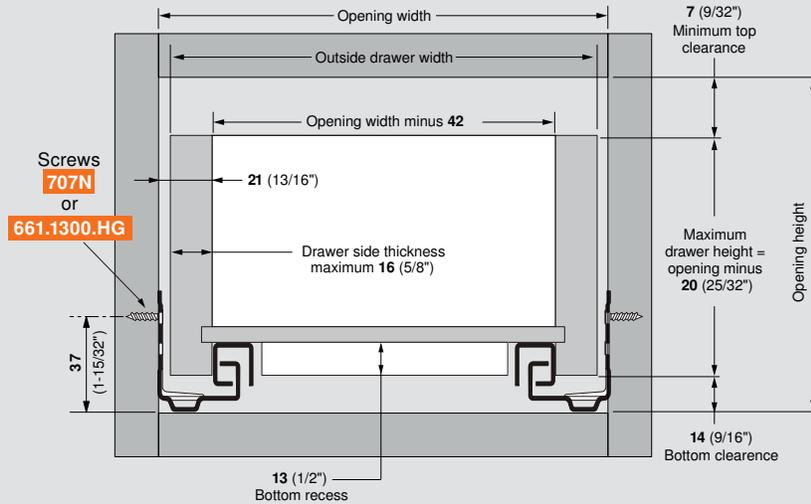
| | |
|--------------------------|-----------|
| Maximum drawer thickness | 16 (5/8") |
| Lengths available | 9" - 21" |
| Static load capacity | 100 lb |

TANDEM plus BLUMOTION



Drawer box specifications

Front view



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.

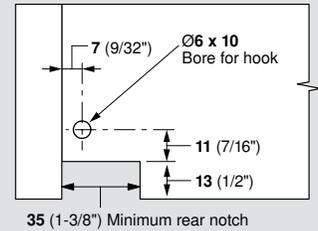
Calculating outside drawer width

| | | | | | |
|----------------------------------|-------------|-------------|------------|-----------|-------------|
| For drawer side thickness | 16 (5/8") | 15 (19/32") | 14 (9/16") | 13 (1/2") | 12 (15/32") |
| Deduct from inside cabinet width | 10 (13/32") | 12 (15/32") | 14 (9/16") | 16 (5/8") | 18 (23/32") |

Example: For 21" inside cabinet width and a 5/8" thick drawer, 21" minus 13/32" = 20 - 19/32" drawer width

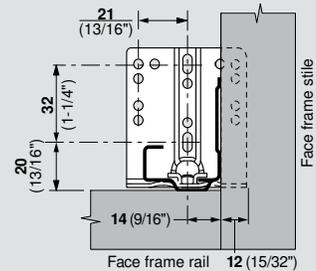
Drawer back preparation

Rear view



Rear mounting bracket

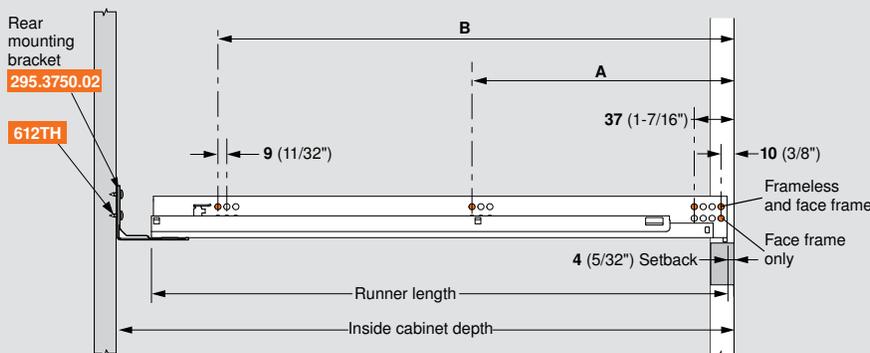
Front view



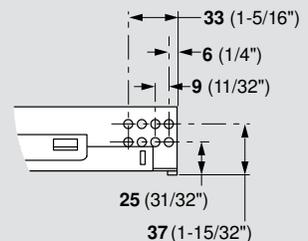
NOTE: For frame applications, use a minimum of three screws per bracket

Runner mounting specifications

Side view



Runner close-up



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

| TANDEM edge BLUMOTION | Drawer length | Inside cabinet depth with 295.3750.03 bracket | | Runner length | Screw locations for frameless cabinets | |
|-----------------------|---------------|---|-----------------|-----------------|--|-----------------|
| | | Maximum | Minimum | | A | B |
| 554H5330B01 | 533 (21") | 604 (23-3/4") | 570 (22-7/16") | 560 (22-1/16") | 261 (10-9/32") | 517 (20-11/32") |
| 554H4570B01 | 457 (18") | 527 (20-3/4") | 494 (19-7/16") | 484 (19-1/16") | 261 (10-9/32") | 453 (17-27/32") |
| 554H3810B01 | 381 (15") | 451 (17-3/4") | 417 (16-13/32") | 407 (16-1/32") | 165 (6-1/2") | 357 (14-1/16") |
| 554H3050B01 | 305 (12") | 375 (14-3/4") | 341 (13-7/16") | 331 (13-1/32") | 165 (6-1/2") | 261 (10-9/32") |
| 554H2290B01 | 229 (9") | 299 (11-3/4") | 284 (11-3/16") | 274 (10-25/32") | 133 (5-1/4") | 229 (9") |

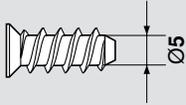
TANDEM plus BLUMOTION



Accessories and Assembly Aids

Deep thread system screw

- Pilot bore Ø5 (3/16") hole



Part no.

| | |
|--------------------|--------------------|
| #6 x 11.5, #2 POZI | 662.1150.HG |
| #7 x 13, #2 POZI | 661.1300.HG |
| #7 x 14.5, #2 POZI | 661.1450.HG |

Deep thread wood screw

- Pilot bore Ø2.5 (3/32") hole



Part no.

| | |
|------------------------|-------------|
| #6 x 5/8", #2 Phillips | 606N |
| #6 x 5/8", #2 POZI | 606P |
| #7 x 5/8", #2 Phillips | 707N |

Truss head wood screw

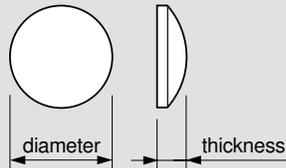
- Pilot bore Ø2.5 (3/32") hole



Part no.

| | |
|------------------------|--------------|
| #6 x 1/2", #2 Phillips | 612TH |
|------------------------|--------------|

Bumpers



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

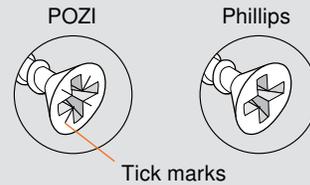
Part no.

| | |
|---------------------------|---------------|
| Ø7.5 (9/32") x 2 (3/32") | FX4041 |
| Ø12 (15/32") x 3.5 (1/8") | SJ5312 |

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.



Part no.

| | |
|--------------------------|----------------------|
| #2 POZI DRIVER | POZI DRIVER |
| 1/4" Magnetic bit holder | BIT HOLDER |
| #2 x 1" POZI bit insert | POZI BIT #2x1 |
| #2 x 2" POZI bit insert | POZI BIT #2x2 |

Side spacer

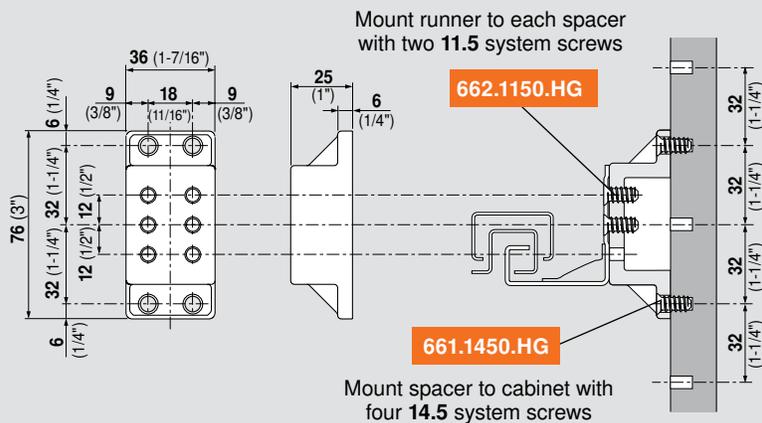
For spacing out TANDEM runners from the cabinet side for clearance in interior roll-out applications



Part no.

| | |
|------------------------|-----------------|
| Side spacer - 1" thick | T59.3570 |
|------------------------|-----------------|

Side spacer



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

Concealed Runner Template



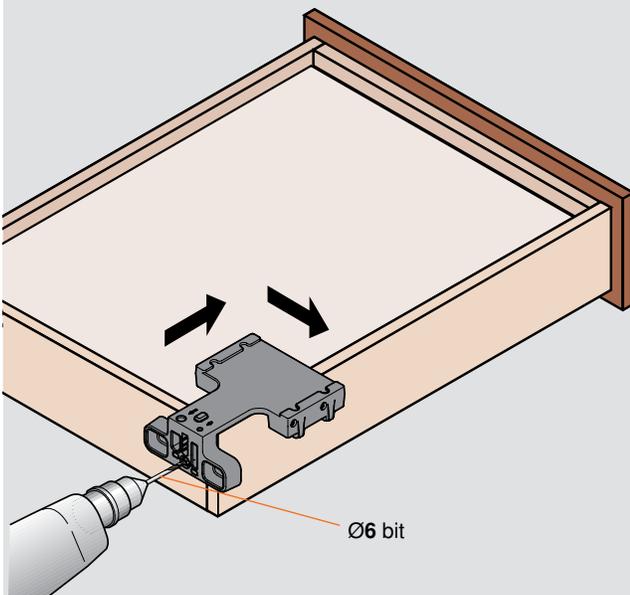
- Essential tool for drawers using any series MOVENTO or TANDEM runners
- To bore the $\varnothing 6$ holes for rear hooks
- Pre-bore $\varnothing 2$ hole for MOVENTO and TANDEM locking devices at the required angle

Part no.

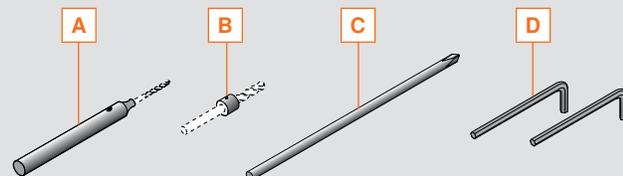
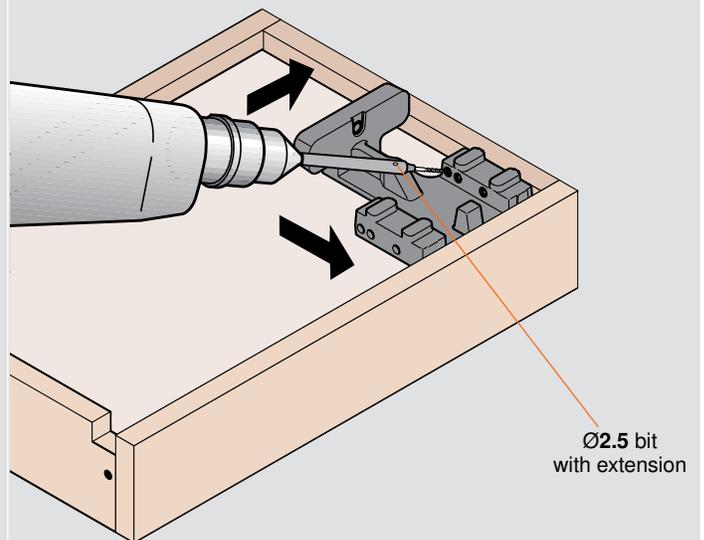
| | |
|--------------------------------|-------------|
| Concealed runner template | T65.1600.01 |
| Accessories (order separately) | |
| $\varnothing 2.5$ mm drill bit | DB-2.5mm |
| $\varnothing 6$ mm drill bit | DB-6mm |
| Tool set | T65.9000 |

Using the Concealed Runner Template

1 Bore rear fixing holes



2 Pre-bore holes for locking device screws



Tool set includes:

- A $\varnothing 2.5$ drill bit extension
- B $\varnothing 6$ stop collar
- C #2 Phillips screwdriver tip
- D Allen wrenches

NOTE: Items NOT sold separately

Universal individual template



- Used to pre-bore holes for MOVENTO and TANDEM 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 to pre-bore holes for MOVENTO and TANDEM 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

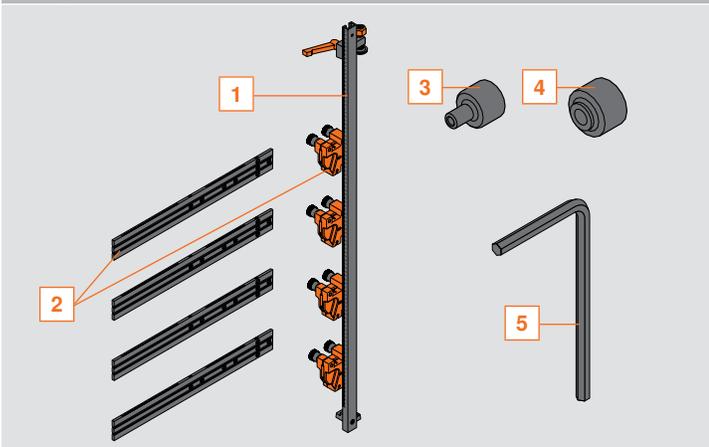
Ø2.5 mm drill bit

DB-2.5mm

Ø5 mm drill bit

DB-5mm

Components



Set includes:

- Rail, 1 meter long
- Replacement template (qty 4)
- Ø2.5 stop collar
- Ø5 stop collar
- Allen wrench

NOTE: ONLY the replacement template is sold separately



Blum's Ideas for Functional Kitchens

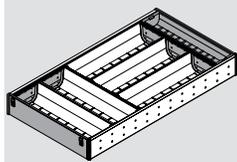
This adjustable organization solution for wood drawers is ideal for storing items in the kitchen and throughout the home.

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

Flatware



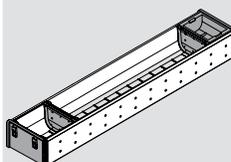
- Width 285 (11-1/4")
- Height 66 (2-5/8")

Part no.

21" drawer length

ZHI.533BI3A

Odds and ends



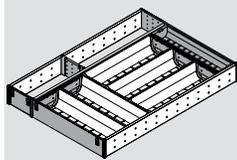
- Width 108 (4-1/4")
- Height 66 (2-5/8")

Part no.

21" drawer length

ZHI.533BI1A

Flatware



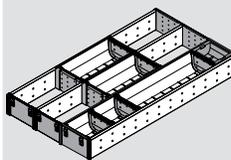
- Width 381 (15")
- Height 66 (2-5/8")

Part no.

21" drawer length

ZHI.533KI4A

Odds and ends



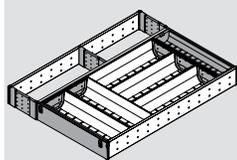
- Width 302 (11-7/8")
- Height 66 (2-5/8")

Part no.

21" drawer length

ZHI.533MI3A

Flatware



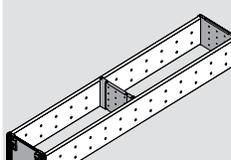
- Width 399 to 417 (15-11/16" to 16-7/16")
- Height 66 (2-5/8")

Part no.

21" drawer length

ZHI.533TI4A

Utensils



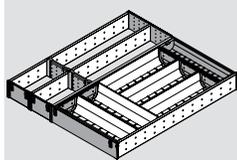
- Width 108 (4-1/4")
- Height 66 (2-5/8")

Part no.

21" drawer length

ZHI.533FI1A

Flatware



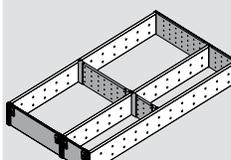
- Width 476 to 494 (18-3/4" to 19-7/16")
- Height 66 (2-5/8")

Part no.

21" drawer length

ZHI.533TI5A

Utensils



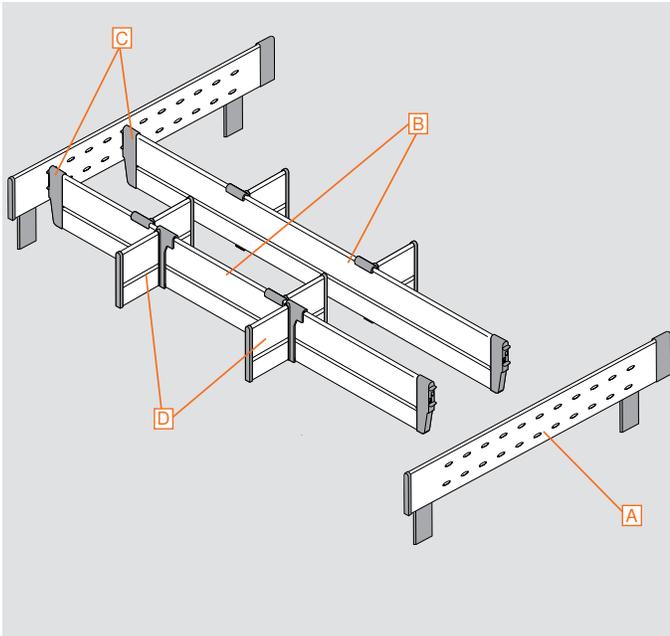
- Width 294 (11-9/16")
- Height 66 (2-5/8")

Part no.

21" drawer length

ZHI.533FI3A

Deep Drawer



A Interior side rail

- Two required
- Length **475** (18-11/16")
- Height **131** (5-3/16")

Part no.

| | |
|--------------------|--------------------|
| Interior side rail | ZHI.533SS65 |
|--------------------|--------------------|

B Cross divider

- Length **1077** (42-3/8"), cut to size
- Inside drawer width minus **62** (2-7/16")
- Height **113** (4-1/2")
- Gray

Part no.

| | |
|---------------|------------------|
| Cross divider | Z40H1077A |
|---------------|------------------|

C Spring loaded connector

- Two required
- Dust gray

Part no.

| | |
|-------------------------|-----------------|
| Spring loaded connector | Z40H000A |
|-------------------------|-----------------|

D Lateral divider

- Length **100** (3-15/16")
- Height **116** (4-9/16")
- Gray

Part no.

| | |
|-----------------|--------------------|
| Lateral divider | Z43H100S.01 |
|-----------------|--------------------|

Accessories

ORGA-LINE Knife holder

- Length **282** (11-1/8")
- Width **178** (7")
- Height **56** (2-3/16")
- Holds up to 9 knives of different sizes
- High quality nylon and stainless steel
- Dishwasher safe up to 170°F
- Handle supports (qty 4)

Part no.

| | |
|--------------|-----------------|
| Knife holder | ZSZ.02M0 |
|--------------|-----------------|

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

Part no.

| | |
|------------|------------------|
| Spice tray | ZFZ.38G01 |
|------------|------------------|

Plate holder

- Plate diameter **167 to 312** (6-9/16" to 12-5/16")
- Overall width **247 to 392** (9-3/4" to 15-7/16")
- Overall height **170** (6-11/16")
- Holds up to 12 plates
- Non-slip bottom
- High quality nylon and stainless steel

Part no.

| | |
|--------------|-----------------|
| Plate holder | ZC7T0350 |
|--------------|-----------------|

TANDEM plus BLUMOTION



Additional Information

Conversion chart

| mm | inch | |
|------|-------|------|
| 1 | 1/32 | .031 |
| 1.5 | 1/16 | .063 |
| 2 | 3/32 | .094 |
| 3 | 1/8 | .125 |
| 4 | 5/32 | .156 |
| 5 | 3/16 | .188 |
| 5.5 | 7/32 | .219 |
| 6 | 1/4 | .25 |
| 7 | 9/32 | .281 |
| 8 | 5/16 | .313 |
| 9 | 11/32 | .344 |
| 9.5 | 3/8 | .375 |
| 10 | 13/32 | .406 |
| 11 | 7/16 | .438 |
| 12 | 15/32 | .469 |
| 13 | 1/2 | .5 |
| 13.5 | 17/32 | .531 |
| 14 | 9/16 | .563 |
| 15 | 19/32 | .594 |
| 16 | 5/8 | .625 |
| 17 | 21/32 | .656 |
| 17.5 | 11/16 | .688 |
| 18 | 23/32 | .719 |
| 19 | 3/4 | .75 |
| 20 | 25/32 | .781 |
| 20.5 | 13/16 | .813 |
| 21 | 27/32 | .844 |
| 22 | 7/8 | .875 |
| 23 | 29/32 | .906 |
| 24 | 15/16 | .938 |
| 24.5 | 31/32 | .969 |
| 25.4 | 1 | 1 |



SERVO-DRIVE

SERVO-DRIVE is an electrical opening assist for TANDEM, TANDEMBOX and LEGRABOX. 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.



Connect With Us on Social Media

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.

Find us by searching "Blum USA" in the search bar.





| Part no. | Page no. | Part no. | Page no. |
|---------------|----------|---------------|----------|
| 295.3550.01 | 30 | T51.0801.20 R | 29 |
| 295.3700.21 | 31 | T51.0801.20 L | 29 |
| 295.3700.22 | 31 | T51.1400 R | 32 |
| 295.3750.03 | 30 | T51.1400 L | 32 |
| 295.6400 | 31 | T51.1700.04 R | 32 |
| 295.6410 | 30 | T51.1700.04 L | 32 |
| 295.6510.21 | 32 | T51.1801 R | 29 |
| 295H5700 | 24 | T51.1801 L | 29 |
| 295H5750 | 25 | T51.1801.20 R | 29 |
| 554H2290B01 | 32 | T51.1801.20 L | 29 |
| 554H3050B01 | 32 | T51.1901 R | 28 |
| 554H3810B01 | 32 | T51.1901 L | 28 |
| 554H4570B01 | 32 | T51.1901.20 R | 28 |
| 554H5330B01 | 32 | T51.1901.20 L | 28 |
| 563.4570B | 12, 27 | T51.1901.PS R | 28 |
| 563.5330B | 12, 27 | T51.1901.PS L | 28 |
| 563F2290B10 | 16 | T59.3570 | 34 |
| 563F3050B | 16 | T65.1600.01 | 35 |
| 563F3810B | 16, 27 | T65.9000 | 35 |
| 563F4570B | 16, 27 | Z40H000A | 39 |
| 563F5330B | 16, 27 | Z40H1077A | 39 |
| 563H2290B10 | 14 | Z43H100S.01 | 39 |
| 563H3050B | 14 | ZC7T0350 | 39 |
| 563H3810B | 14, 27 | ZFZ.38G0I | 39 |
| 563H4570B | 14, 27 | ZHI.533BI1A | 38 |
| 563H5330B | 14, 27 | ZHI.533BI3A | 38 |
| 606N | 34 | ZHI.533FI1A | 38 |
| 606P | 34 | ZHI.533FI3A | 38 |
| 612TH | 34 | ZHI.533KI4A | 38 |
| 65.1000.01 | 36 | ZHI.533MI3A | 38 |
| 65.1001.01 | 36 | ZHI.533SS65 | 39 |
| 65.1051.02 | 36 | ZHI.533TI4A | 38 |
| 661.1300.HG | 34 | ZHI.533TI5A | 38 |
| 661.1450.HG | 34 | ZST.1089W | 24,25 |
| 662.1150.HG | 34 | ZST.686TU01 | 22 |
| 707N | 34 | ZSZ.02M0 | 39 |
| BIT HOLDER | 34 | | |
| DB-2.5mm | 35, 36 | | |
| DB-5mm | 36 | | |
| DB-6mm | 35 | | |
| FX4041 | 34 | | |
| POZI DRIVER | 34 | | |
| POZI BIT #2x1 | 34 | | |
| POZI BIT #2x2 | 34 | | |
| SJ5312 | 34 | | |





Why Choose Blum



The Blum name stands for quality, innovation and great customer service. We manufacture hardware that makes working in the kitchen easier, no matter the age of the user, and we do this globally. We've been in the United States for more than 40 years, and we are committed to manufacturing for the American market. Blum supports the United States market with a network of distributors, knowledgeable Blum sales representatives and an experienced customer service department. Each of our products has been designed carefully, with the customer experience in mind. We have a deep commitment to research and believe anyone who manufactures, sells, installs or uses our products should benefit from our knowledge and experience. We specialize in engineering and manufacturing concealed hinges, drawer systems and systems for lift-up doors. From our touch-to-open technology, to the soft-closing door or drawer, our hardware helps modernize the kitchen experience.



To learn more about Blum, visit blum.com/tour



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.



Please visit blum.com for information on other Blum products
LIT.TDM1100.08.22 Ident. 26288480 © 2022 Blum, Inc.

Blum, Inc.
7733 Old Plank Rd.
Stanley, NC 28164
800-438-6788
blum.com

FSC Logo



ISO 9001
Certified Quality
System

The logo features a white arrow pointing upwards and to the right, followed by the word "blum" in a bold, lowercase, italicized sans-serif font. A registered trademark symbol (®) is located at the top right of the word "blum".