

TANDEM plus BLUMOTION



New TANDEM plus BLUMOTION

Premium concealed runners for wood drawers

blum.com

Perfecting motion  **blum**[®]



The next generation of TANDEM plus BLUMOTION



The right solution

for every drawer

The new 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 is a runner system that is unmatched in quality, style and running action.

Contents

6	TANDEM plus BLUMOTION overview
7	Testing standards
8	General specifications
10	Using TANDEM plus BLUMOTION concealed runners
12	Standard applications
22	Inset drawer
24	Narrow drawer
26	Roll-out shelf
27	Bottom mount drawer
28	SPACE CORNER
30	Locking devices
32	Rear attachment options
34	Waste / recycle drawer
38	TIP-ON for TANDEM plus
40	Accessories
42	Assembly aids
45	Part number index

TANDEM plus BLUMOTION





Blum's newest generation of TANDEM plus BLUMOTION concealed drawer runners offers four-dimensional adjustment, elongated holes for depth adjustment, bottom mount holes and exceptional load capacity.

With TANDEM plus BLUMOTION concealed runners, 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 concealed runners are made in the USA at our North Carolina facility. This is just one example of Blum's commitment to manufacturing in the US, for the US.

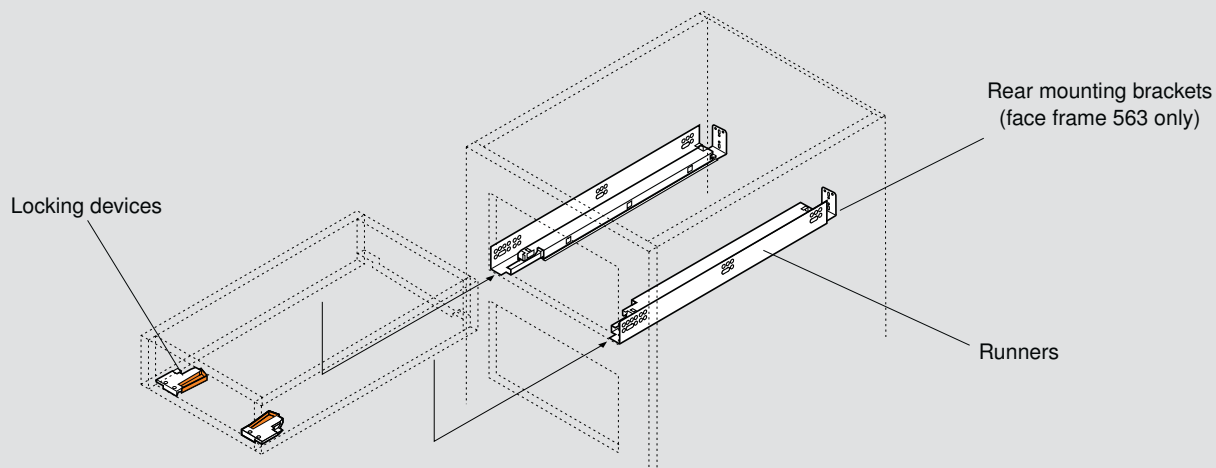
TANDEM plus BLUMOTION is mounted discreetly beneath the drawer and has the quietest opening and closing action available. This top-of-the-line concealed runner is the industry choice for dovetail drawers in high-end cabinetry, in either face frame or panel.

TANDEM plus BLUMOTION

Drawer length	Full extension		Heavy duty full extension	
	Max. drawer thickness		Max. drawer thickness	
	5/8"	3/4"	5/8"	3/4"
9"	563H series	563F series		
12"				
15"				
18"	563H and 563. series		569H series	569F series
21"				
24"			569. series	569A series
27"				
30"				
Capacity dynamic/static	90/100 lb*		135/150 lb*	

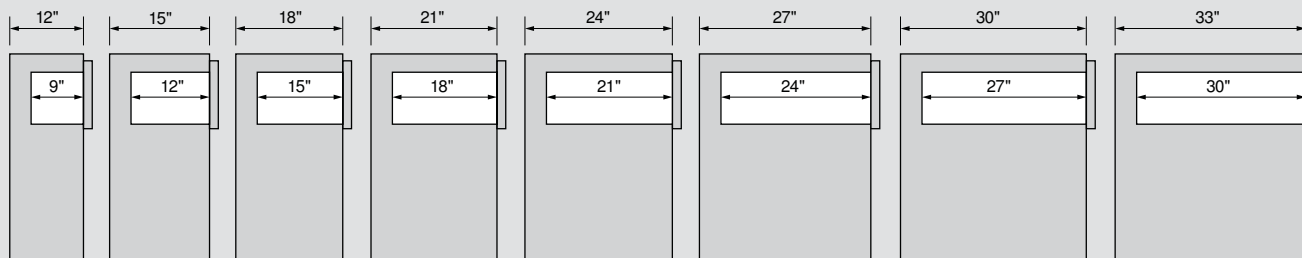
* Per ANSI/BHMA 156.9 Grade 1 standards on a 21" length drawer box.

Drawer components



NOTE: Rear mounting brackets used for frame applications

Standard lengths



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



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 156.9 grade 1 requirements. Contact your local Blum representative for more details.



General information

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

Conditions of sale and delivery

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

General specifications

Complete runner system

- Full extension concealed runners with BLUMOTION soft close
- Zinc-coated steel
- Concealed roller carriage with permanently lubricated synthetic rollers
- 563 series standard duty
- 569 series heavy duty
- H and . series for drawers up to 5/8" material thickness
- F and A series for drawers up to 3/4" material thickness
- Tilt adjustment built into rear hooks

Locking devices

- Zinc die-cast with synthetic, spring-loaded release levers
- Captive right device, self-aligning left device
- Self-adjusting drawer length tolerance
- Tool-free height and side adjustment
- Available with depth adjustment
- Available for narrow drawers

Rear mounting options

- Zinc-coated steel brackets or nylon sockets
- Depth and side-to-side self-alignment

One runner for all applications

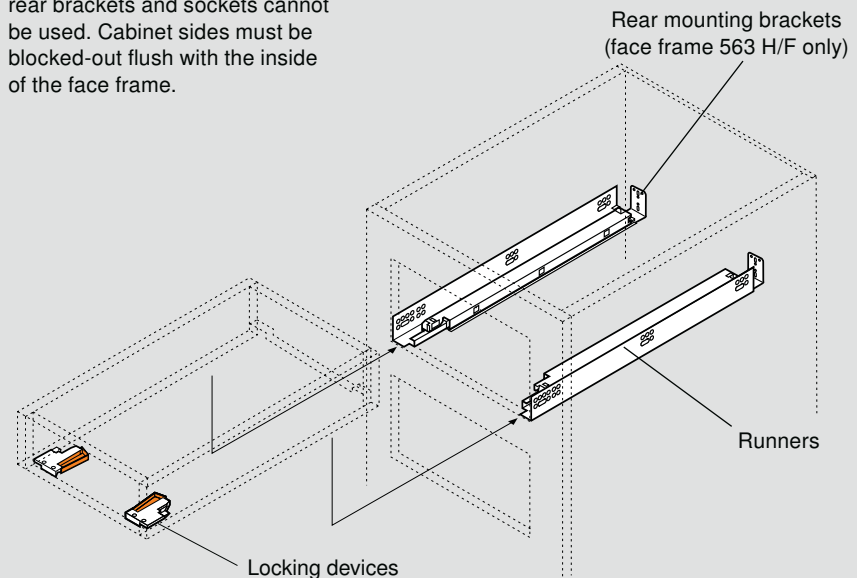
TANDEM runners are designed for the American 3" increment cabinet depth system. This feature permits overlay or inset applications to use the same runner. Full length runners make installation in panel or face frame cabinets possible.

Load capacities

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

Drawer components

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



NOTE: Rear mounting brackets used for frame applications only

Locking devices

Locking devices allow easy insertion and removal of drawers.



page 30

Rear mounting options

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



page 32

TANDEM template

A required assembly aid for the boring of TANDEM locking devices and rear hooks.



page 42



New side adjustment

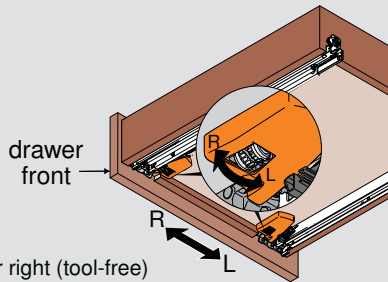
1. Rotate side adjustment left or right equally on both locking devices. Drawer front moves in the same direction as rotation.

T51.1901.xx

with locking device

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

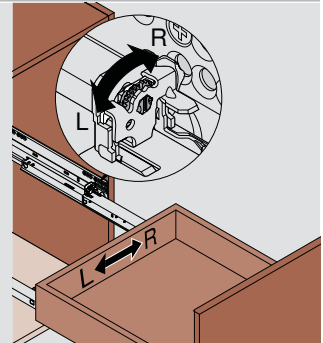
NOTE: Side adjustment not available on T51.x8xx locking devices



New rear side adjustment

2. After front side adjustment is made with the locking devices, rotate the rear side adjustment left or right to re-align the back of the drawer box with the front. Drawer back moves in the same direction as rotation.

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

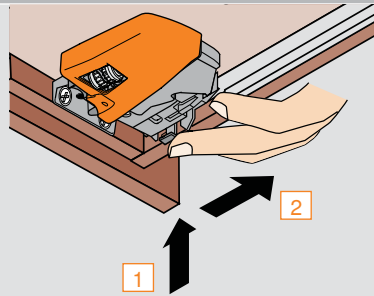


Height adjustment

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

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

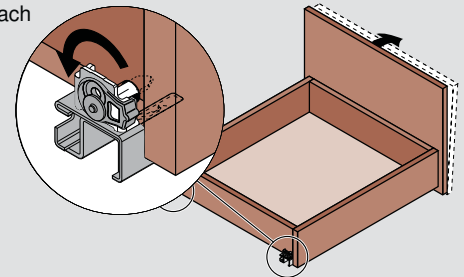
NOTE: Height adjustment available on all TANDEM locking devices



Tilt adjustment

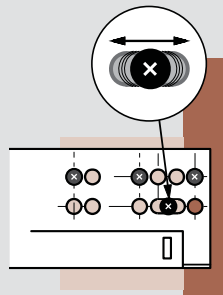
Rotate the tilt adjustment lever on the rear of each runner to tilt the top of the drawer front forward.

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



New depth adjustment on runner

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



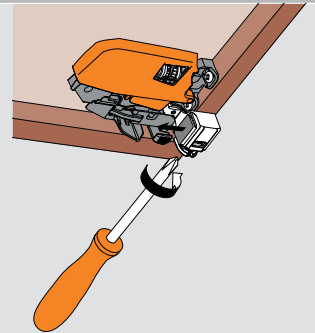
New depth adjustable locking device

Locking device

T51.1901.PS

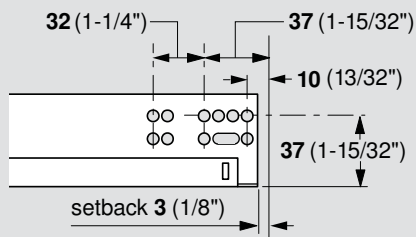
with side, height and depth adjustment

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



New profile setback

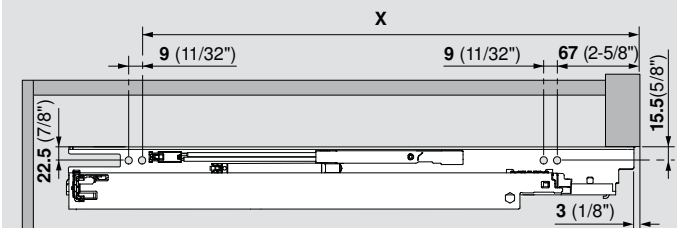
Side view



NOTE: Hole locations to the face of the cabinet stay the same. For inset applications see page 22.

New bottom mounting option

Top view



Available on 15", 18" and 21" 563H and 563F and all 563. runners.

Using TANDEM plus BLUMOTION

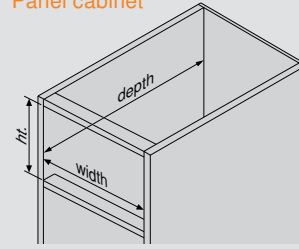


Step 1

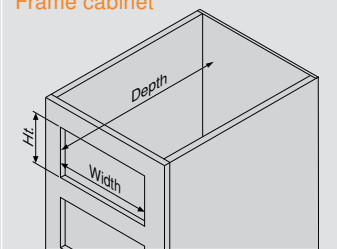
Measure cabinet opening

Cabinet opening measurements are needed to determine drawer box size.

Panel cabinet



Frame cabinet



Step 2

Select TANDEM runners

Based on the application, choose the TANDEM runner that fits the desired extension, drawer side thickness, load capacity and cabinet depth. Then go to the corresponding catalog page for more specific information.

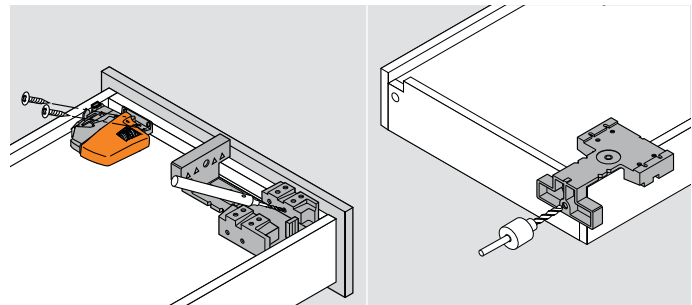
Drawer length	Full extension		Heavy duty full extension	
	Max. drawer thickness		Max. drawer thickness	
	5/8"	3/4"	5/8"	3/4"
9"				
12"	563H series	563F series		
15"				
18"	563H and 563 series		569H series	569F series
21"				
24"				
27"			569 series	569A series
30"				
Capacity dynamic/static	90/100 lb*		135/150 lb*	

* Per ANSI/BHMA 156.9 Grade 1 standards for 21" drawers

Step 3

Preparing drawer boxes

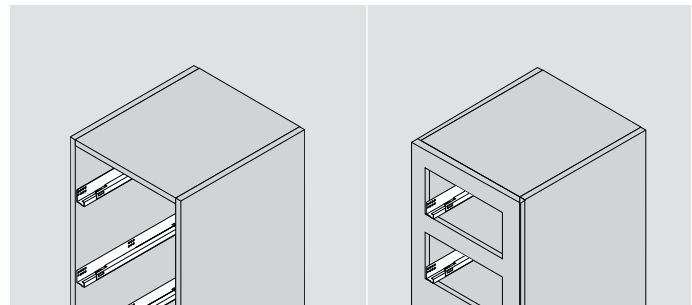
Build drawers according to the specifications given for the TANDEM runners you chose and the measurements determined in Step 1. Install appropriate locking devices and bore holes to accept rear hooks.



Step 4

Attach runners to cabinet

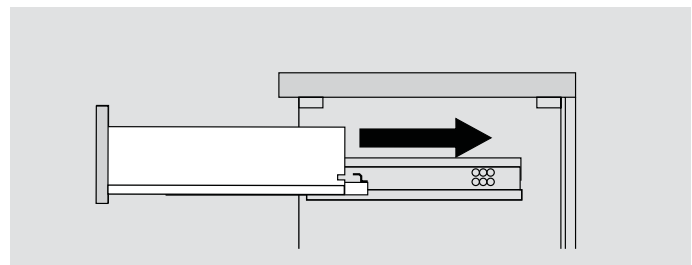
Using the mounting information given for the TANDEM runners you chose, mount the TANDEM runners in the cabinet.



Step 5

Insert drawers

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

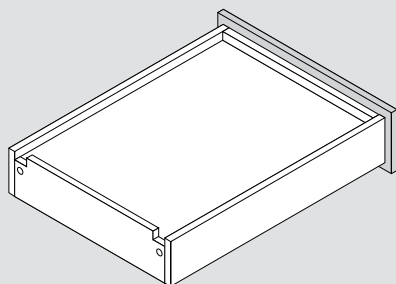


Drawer preparation



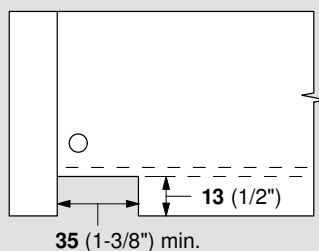
Rear notching

Dimensions



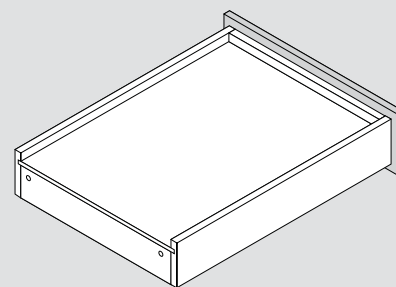
Drawers must be notched in the back to accommodate TANDEM runners.

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.

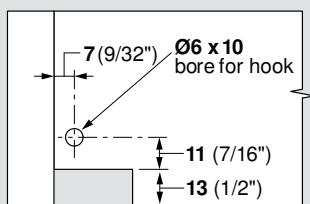
NOTE: TIP-ON for TANDEM plus requires **86** (3-3/8") notch

page 38

Rear boring

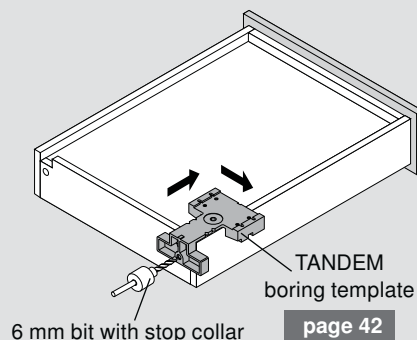
Dimensions

Rear view



Drawers require 6 mm holes bored in the back panel to accept the hooks in the back of TANDEM runners.

Boring

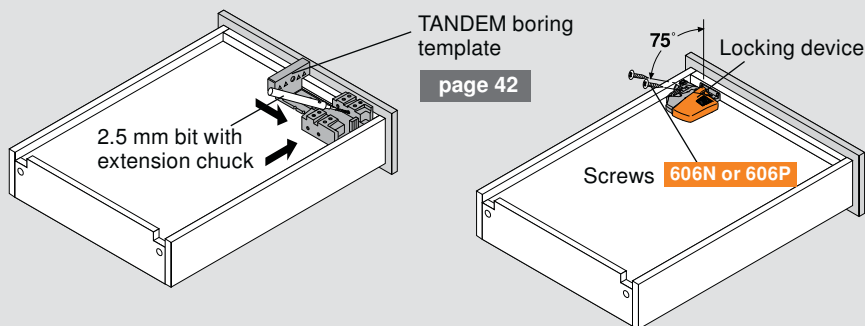


- 1 Place the template over the drawer side
- 2 Position the template so that the center rib rests against the inside face of the drawer side
- 3 Set stop collar on 6 mm bit so that it will bore **10** (13/32") deep
- 4 Hold template firmly and bore hole
- 5 Repeat on other side

NOTE: Using the **T65.1600** template is highly recommended

Locking devices

Attachment



- 1 Position the 2.5 mm drill bit into the extension chuck so that it extends **10** (13/32") out of the template
- 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: Mounting screws must go in at a precise angle and locking device must fit flush to drawer bottom to ensure proper function of the complete drawer system

NOTE: Using the **T65.1600** template is highly recommended

TANDEM plus BLUMOTION 563.

Application



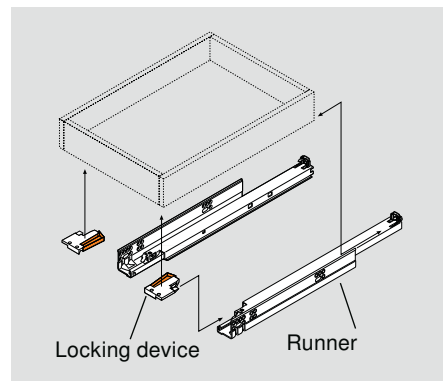
New features

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

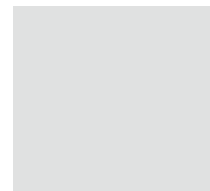
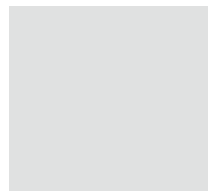
Description

- Full extension concealed drawer runners
- Panel 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 U.S.A.

Basic components



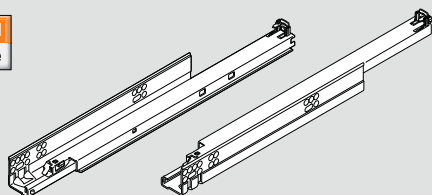
Other applications



Components

Runner set

One set required per drawer



For overall cabinet depth	Drawer length	TANDEM plus BLUMOTION
533 (21")	457 (18")	563.4570B
610 (24")	533 (21")	563.5330B
Wood screw for installation		606N or 606P
System screw for installation		662.1150.HG

Side adjustable locking device



- One right and one left required per drawer
- With side-to-side adjustment
- 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 adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 30

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.

Using TANDEM page 10

Drawer preparation page 11

Accessories page 40

Assembly aids page 42

Maximum drawer thickness 16 (5/8")

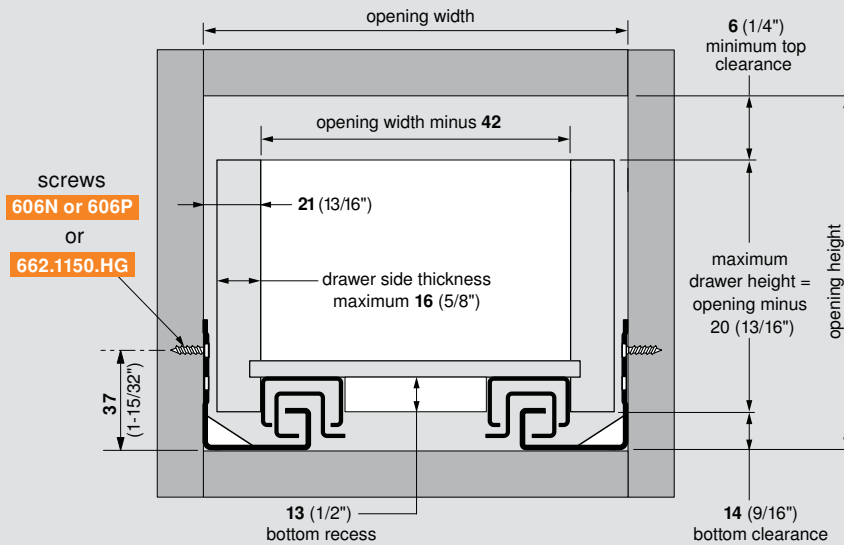
Lengths available 18" - 21"

Static load capacity 100 lb

Drawer and cabinet specifications

Drawer box specifications

Front view



NOTE: Material thickness may vary. Inside drawer width **must** equal opening width minus 42 for TANDEM to align and run properly.

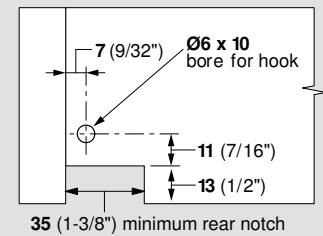
Calculating outside drawer width

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

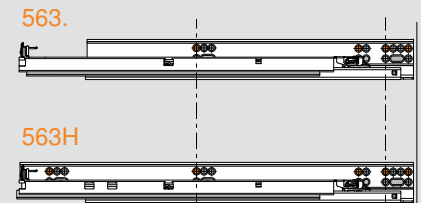
Drawer back preparation

Rear view



Runner comparison

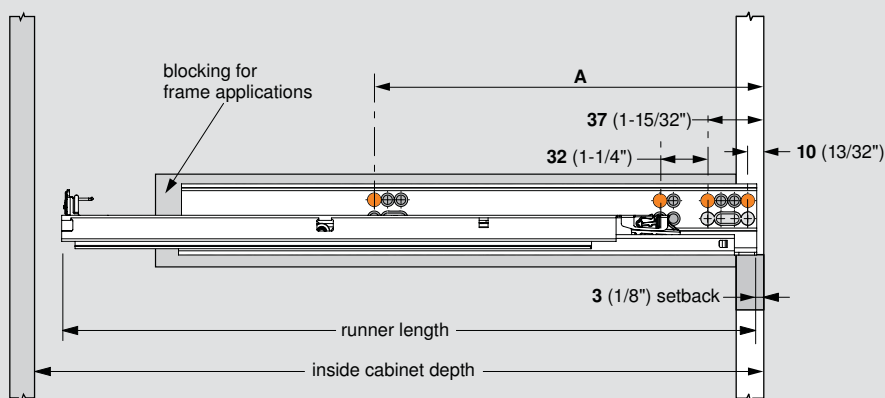
Side view



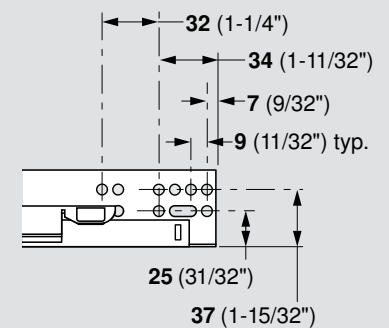
NOTE: Same hole pattern as the 563H

Runner mounting specifications

Side view



Runner close-up



NOTE: Elongated holes are for ±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
563.4570B	457 (18")	480 (18-29/32")	471 (18-17/32")	261 (10-9/32")
563.5330B	533 (21")	557 (21-15/16")	548 (21-9/16")	261 (10-9/32")

TANDEM plus BLUMOTION 563H

Application



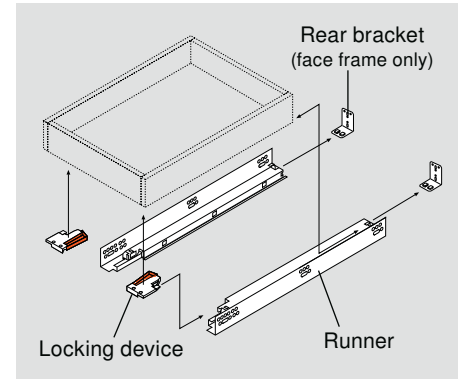
New features

- 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 drawer runners
- Face frame or panel 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 U.S.A.

Basic components



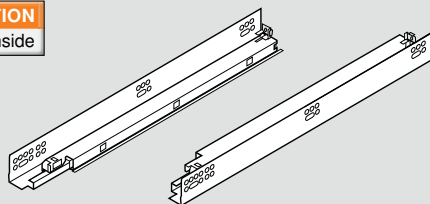
Other applications



Components

Runner set

One set required per drawer



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

Side adjustable locking device



- One right and one left required per drawer
- With side-to-side adjustment
- 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 adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 30

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 panel cabinet installation.

- Two required per drawer
- Depth and side-to-side self-alignment
- Zinc-coated steel
- For 9" TANDEM rear attachment options see page 32

Part no.

Non-handed bracket **295.3750.01**

Installation screw **606N or 606P**

Using TANDEM page 10

Drawer preparation page 11

Accessories page 40

Assembly aids page 42

Maximum drawer thickness 16 (5/8")

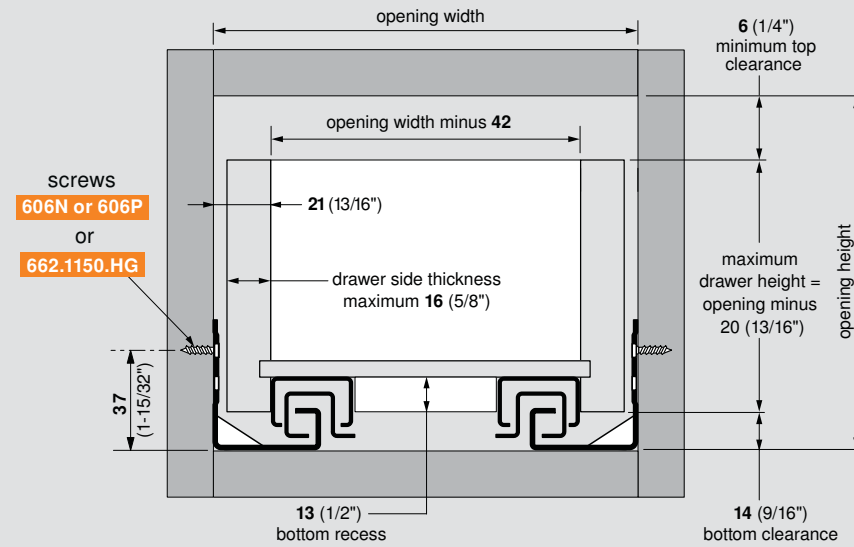
Lengths available 9" - 21"

Static load capacity 100 lb

Drawer and cabinet specifications

Drawer box specifications

Front view



NOTE: Material thickness may vary. Inside drawer width **must** equal opening width minus 42 for TANDEM to align and run properly.

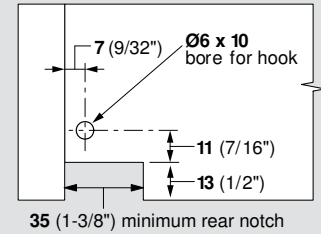
Calculating outside drawer width

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

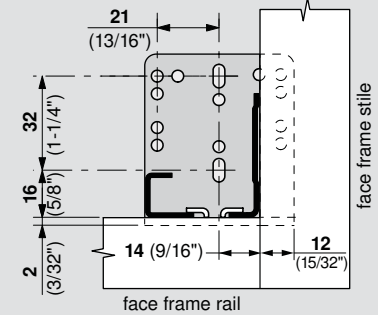
Drawer back preparation

Rear view



Rear mounting bracket

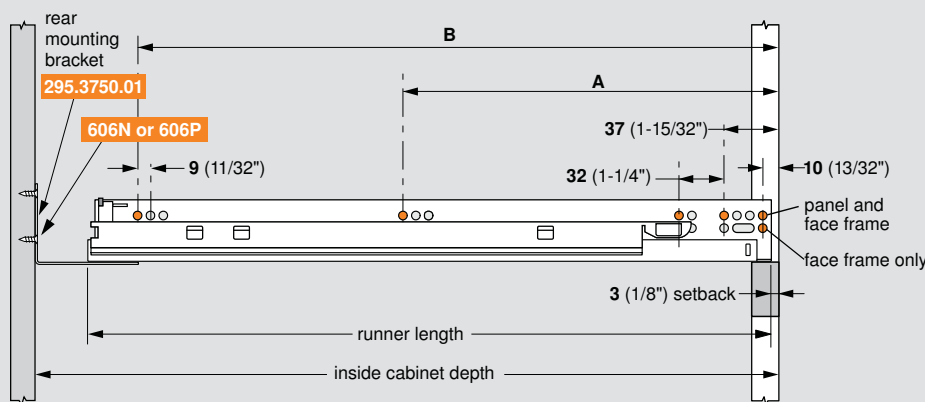
Front view



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

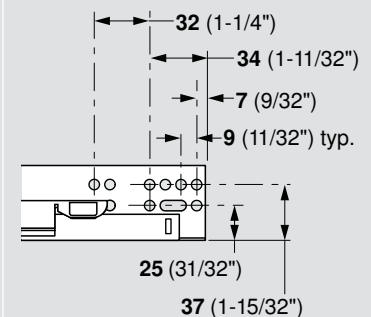
Runner mounting specifications

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 panel cabinets	
		maximum	minimum		A	B
563H2290B10	229 (9")	299 (11-25/32")	266 (10-15/32")	259 (10-3/16")	133 (5-1/4")	229 (9")
563H3050B	305 (12")	370 (14-9/16")	328 (12-29/32")	319 (12-9/16")	165 (6-1/2")	261 (10-9/32")
563H3810B	381 (15")	446 (17-9/16")	404 (15-29/32")	395 (15-9/16")	165 (6-1/2")	357 (14-1/16")
563H4570B	457 (18")	522 (20-9/16")	480 (18-29/32")	471 (18-17/32")	261 (10-9/32")	453 (17-27/32")
563H5330B	533 (21")	599 (23-19/32")	557 (21-15/16")	548 (21-9/16")	261 (10-9/32")	517 (20-11/32")

TANDEM plus BLUMOTION 563F

Application



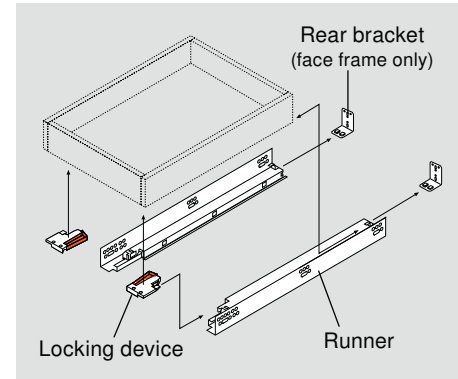
New features

- 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 drawer runners
- Face frame or panel 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 U.S.A.**

Basic components



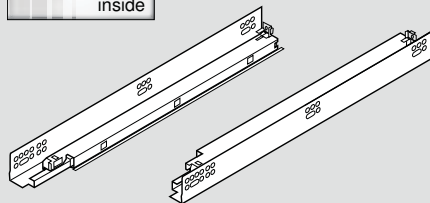
Other applications



Components

Runner set

One set required per drawer



For overall cabinet depth	Drawer length	Extension loss	TANDEM plus BLUMOTION
305 (12")	229 (9")	16 (5/8")	563F2290B10
381 (15")	305 (12")	24 (15/16")	563F3050B
457 (18")	381 (15")	14 (9/16")	563F3810B
533 (21")	457 (18")	3 (1/8")	563F4570B
610 (24")	533 (21")	3 (1/8")	563F5330B
Wood screw for installation			606N or 606P
System screw for installation			662.1150.HG

Side adjustable locking device



- One right and one left required per drawer
- With side-to-side adjustment
- 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 adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 30

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 panel cabinet installation.

- Two required per drawer
- Depth and side-to-side self-alignment
- Zinc-coated steel
- For 9" TANDEM rear attachment options see page 32

Part no.

Non-handed bracket **295.3750.01**

Installation screw **606N or 606P**

Using TANDEM page 10

Drawer preparation page 11

Accessories page 40

Assembly aids page 42

Maximum drawer thickness 19 (3/4")

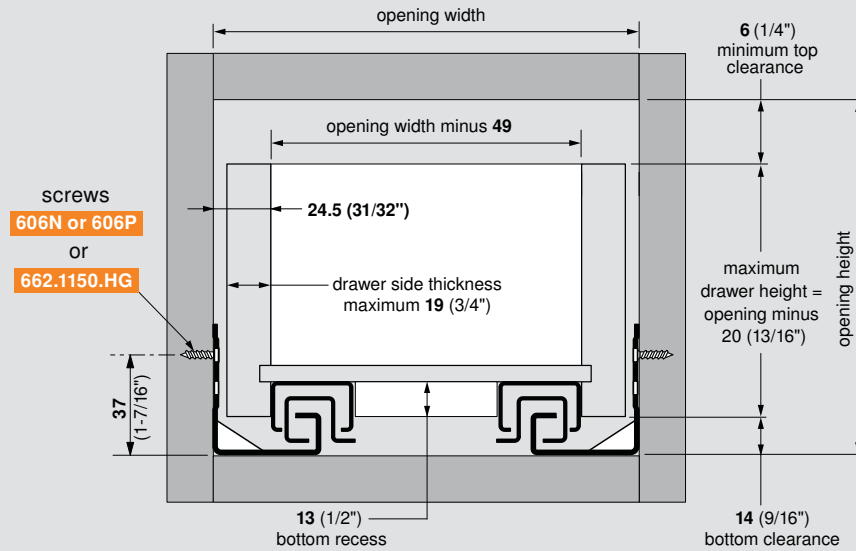
Lengths available 9" - 21"

Load capacity 100 lb

Drawer and cabinet specifications

Drawer box specifications

Front view



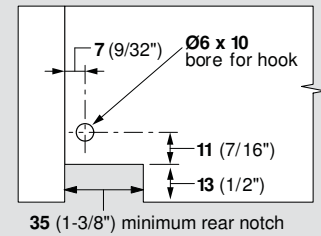
NOTE: Material thickness may vary. Inside drawer width **must** equal opening width minus 49 for TANDEM to align and run properly.

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 inside cabinet 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					

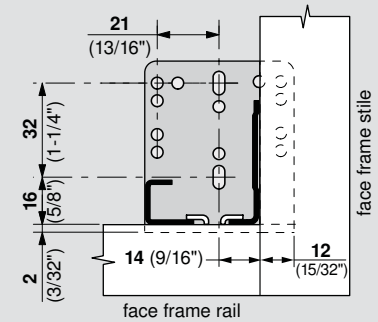
Drawer back preparation

Rear view



Rear mounting bracket

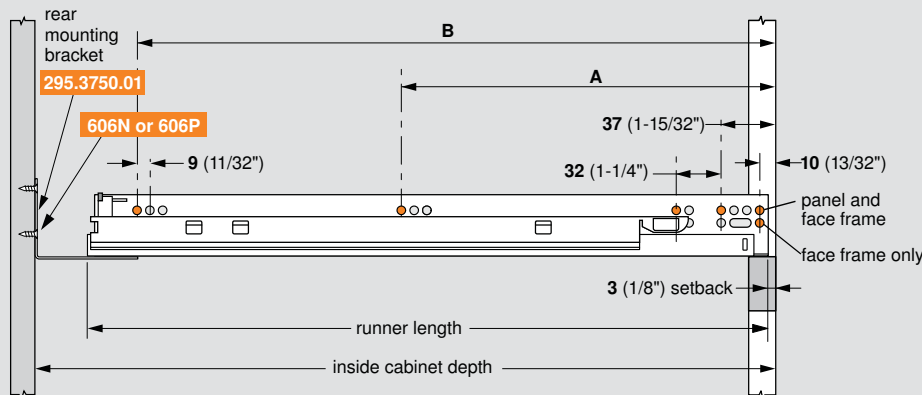
Side view



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

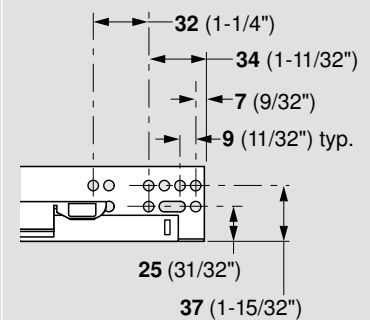
Runner mounting specifications

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 panel cabinets	
		maximum	minimum		A	B
563F2290B10	229 (9")	299 (11-25/32")	266 (10-15/32")	259 (10-3/16")	133 (5-1/4")	229 (9")
563F3050B	305 (12")	370 (14-9/16")	328 (12-29/32")	319 (12-9/16")	165 (6-1/2")	261 (10-9/32")
563F3810B	381 (15")	446 (17-9/16")	404 (15-29/32")	395 (15-9/16")	165 (6-1/2")	357 (14-1/16")
563F4570B	457 (18")	522 (20-9/16")	480 (18-29/32")	471 (18-17/32")	261 (10-9/32")	453 (17-27/32")
563F5330B	533 (21")	599 (23-19/32")	557 (21-15/16")	548 (21-9/16")	261 (10-9/32")	517 (20-11/32")

TANDEM plus BLUMOTION 569H/569. heavy duty

Application



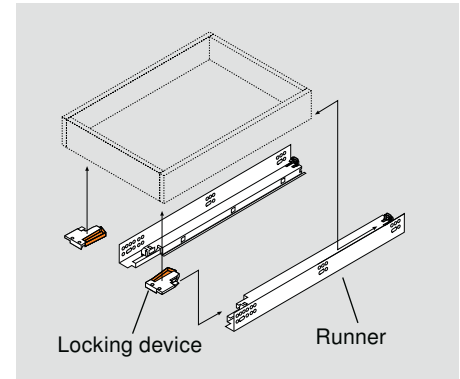
New features

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

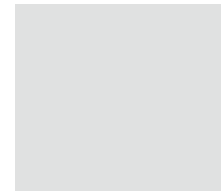
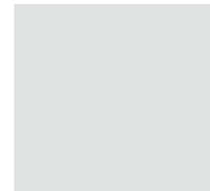
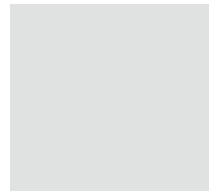
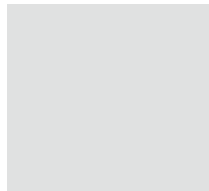
Description

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

Basic components



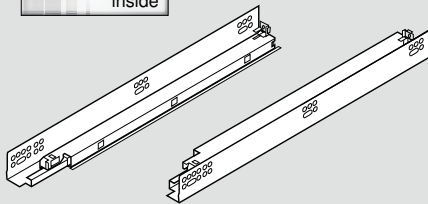
Other applications



Components

Runner set

One set required per drawer



For overall cabinet depth	Drawer length	TANDEM plus BLUMOTION
533 (21")	457 (18")	569H4570B
610 (24")	533 (21")	569H5330B
686 (27")	610 (24")	569.6100B
762 (30")	686 (27")	569.6860B
838 (33")	762 (30")	569.7620B
Wood screw for installation		606N or 606P
System screw for installation		662.1150.HG

Side adjustable locking device



- One right and one left required per drawer
- With side-to-side adjustment
- 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 adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 30

Part no.

Right locking device **T51.1901 R**

Left locking device **T51.1901 L**

Installation

Installation screw **606N or 606P**

page 11

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

Using TANDEM page 10

Drawer preparation page 11

Accessories page 40

Assembly aids page 42

Maximum drawer thickness 16 (5/8")

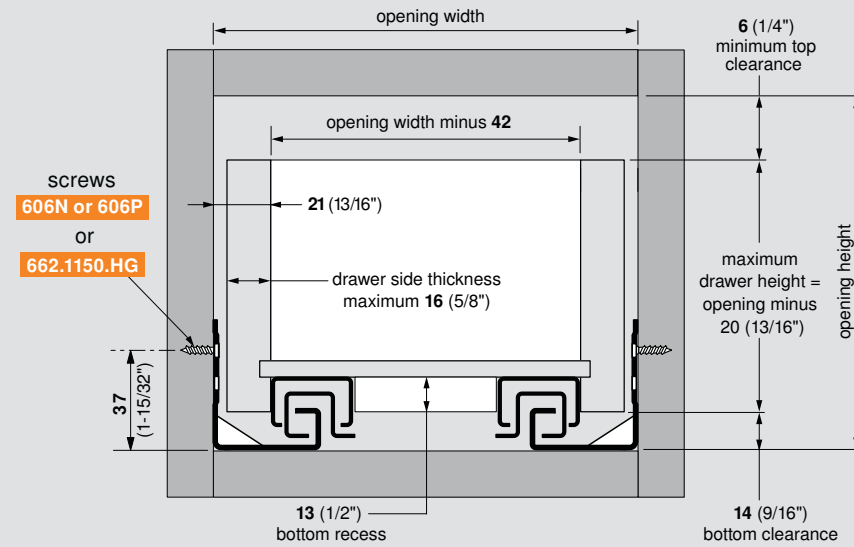
Lengths available 18" - 30"

Static load capacity 150 lb

Drawer and cabinet specifications

Drawer box specifications

Front view



NOTE: Material thickness may vary. Inside drawer width **must** equal opening width minus 42 for TANDEM to align and run properly.

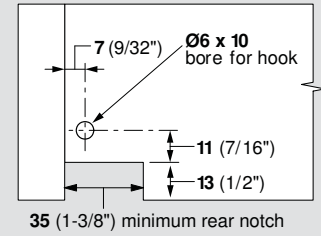
Calculating outside drawer width

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

Drawer back preparation

Rear view



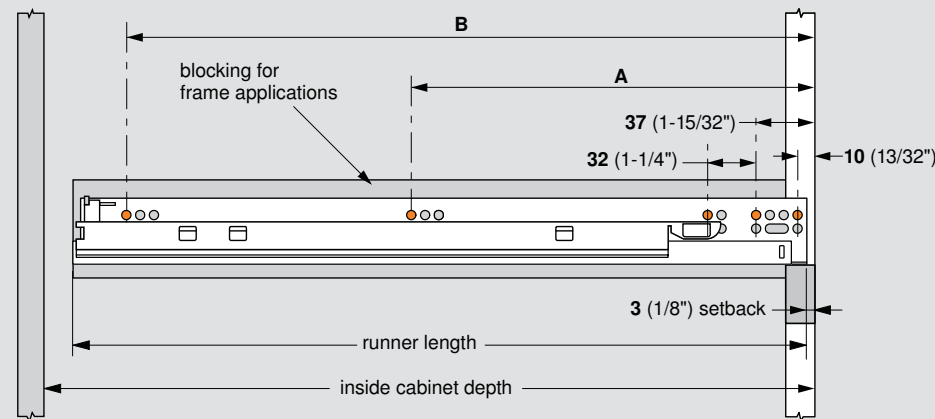
Runner comparison

Side view



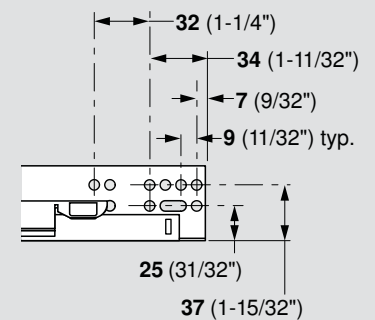
Runner mounting specifications

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	minimum inside cabinet depth	runner length	screw locations	
				A	B
569H4570B	457 (18")	480 (18-29/32")	471 (18-17/32")	261 (10-9/32")	453 (17-27/32")
569H5330B	533 (21")	557 (21-15/16")	548 (21-9/16")	261 (10-9/32")	517 (20-11/32")
569.6100B	610 (24")	634 (24-31/32")	625 (24-19/32")	261 (10-9/32")	389 (15-5/16")
569.6860B	686 (27")	709 (27-29/32")	700 (27-9/16")	261 (10-9/32")	389 (15-5/16")
569.7620B	762 (30")	786 (30-15/16")	777 (30-19/32")	261 (10-9/32")	389 (15-5/16")

TANDEM plus BLUMOTION 569F/569A heavy duty

Application



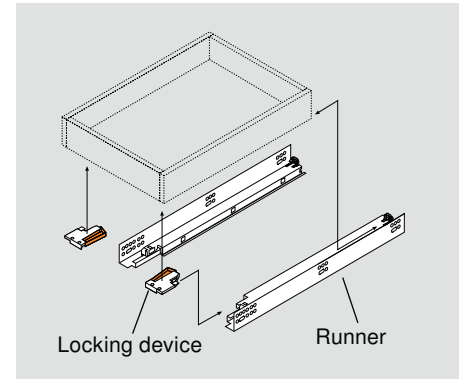
New features

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

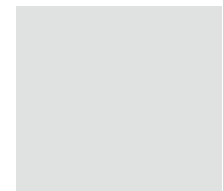
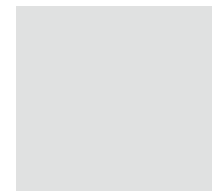
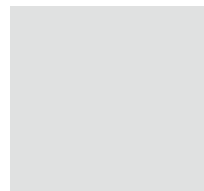
Description

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

Basic components



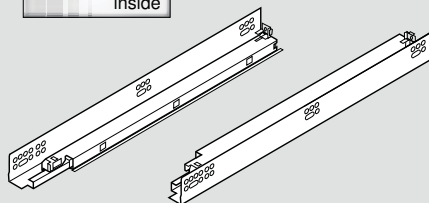
Other applications



Components

Runner set

One set required per drawer



For overall cabinet depth	Drawer length	TANDEM plus BLUMOTION
533 (21")	457 (18")	569F4570B
610 (24")	533 (21")	569F5330B
686 (27")	610 (24")	569A6100B
762 (30")	686 (27")	569A6860B
838 (33")	762 (30")	569A7620B
Wood screw for installation		606N or 606P
System screw for installation		662.1150.HG

Side adjustable locking device



- One right and one left required per drawer
- With side-to-side adjustment
- 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 adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 30

Part no.

Right locking device **T51.1901 R**

Left locking device **T51.1901 L**

Installation screw **606N or 606P**

page 11

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

Using TANDEM page 10

Drawer preparation page 11

Accessories page 40

Assembly aids page 42

Maximum drawer thickness **19 (3/4")**

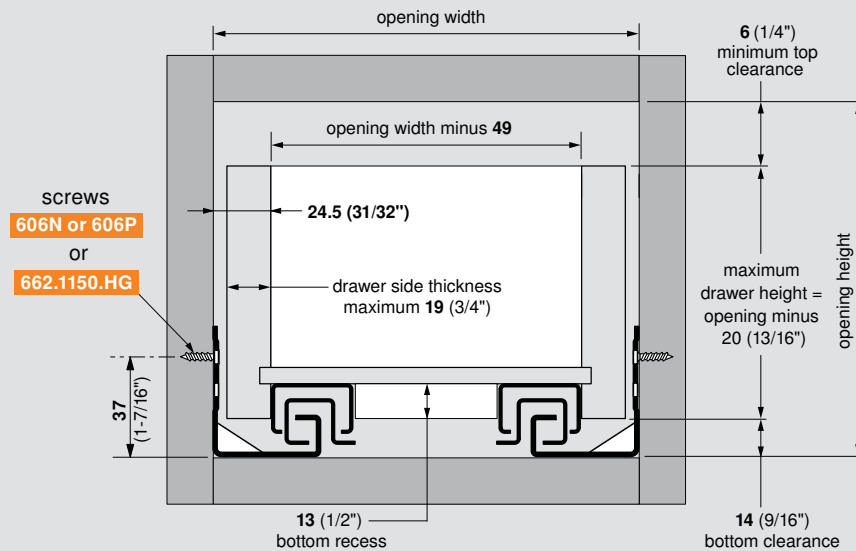
Lengths available **18" - 30"**

Load capacity **150 lb**

Drawer and cabinet specifications

Drawer box specifications

Front view



NOTE: Material thickness may vary. Inside drawer width **must** equal opening width minus 49 for TANDEM to align and run properly.

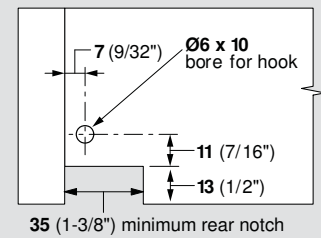
Calculating outside drawer width

For drawer side thickness	19 (3/4")	18 (23/32")	17 (21/32")	16 (5/8")	15 (19/32")
Deduct from inside cabinet 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



Runner comparison

Side view

569F

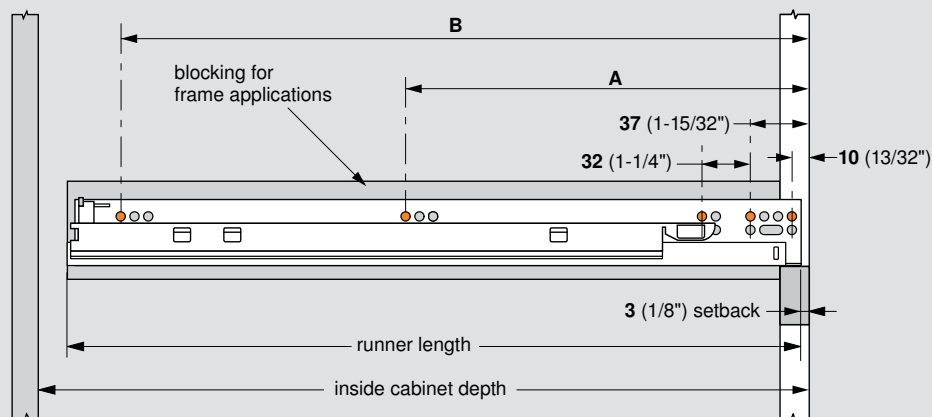


569A

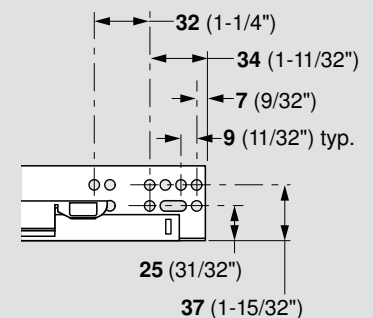


Runner mounting specifications

Side view



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.

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 locations	
				A	B
569F4570B	457 (18")	480 (18-29/32")	471 (18-17/32")	261 (10-9/32")	453 (17-27/32")
569F5330B	533 (21")	557 (21-15/16")	548 (21-9/16")	261 (10-9/32")	517 (20-11/32")
569A6100B	610 (24")	634 (24-31/32")	625 (24-19/32")	261 (10-9/32")	389 (15-5/16")
569A6860B	686 (27")	709 (27-29/32")	700 (27-9/16")	261 (10-9/32")	389 (15-5/16")
569A7620B	762 (30")	786 (30-15/16")	777 (30-19/32")	261 (10-9/32")	389 (15-5/16")

Inset drawers

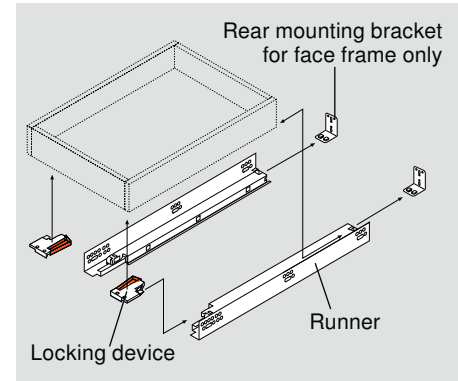
Application



Description

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

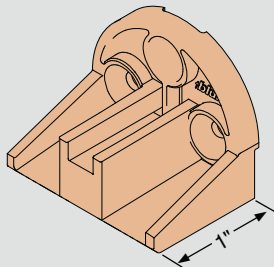
Basic components



Components

Inset spacer

- Two required per drawer
- Inset spacer requires drawer box to be built 1" shorter
- May be required for inset SERVO-DRIVE applications



Part no.

Inset spacer	T59.A5P0S
Installation screw	606N or 606P

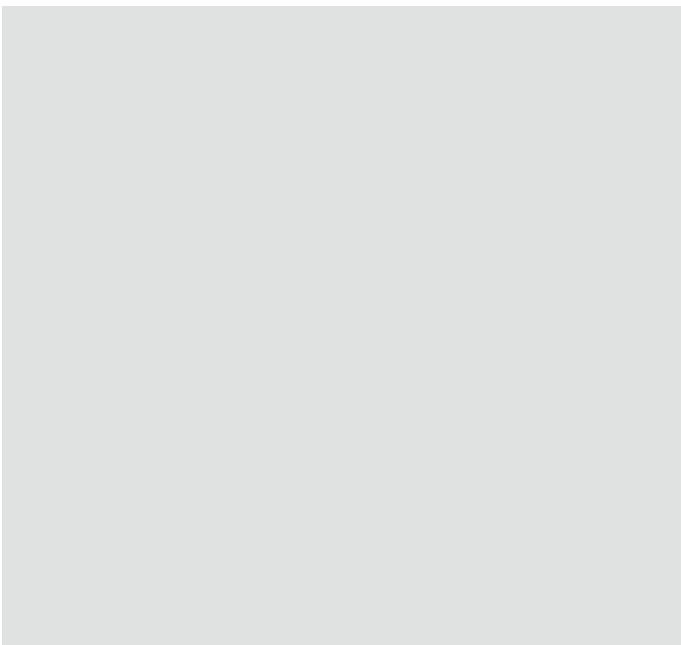
Depth adjustable locking device



- Offers **2.5** (3/32") out adjustment, preset at **0**
- Height adjustable **+3** (1/8")
- Side adjustable ± 1.5 (1/16")
- For use with 563/569 series runners only
- Minimum sub front thickness **13** (1/2")
- Designed for **13** (1/2") bottom recess
- Integrated **3** (1/8") distance bumper
- For other options see page 30

Part no.

	Right locking device	T51.1901.PS R
Installation	Left locking device	T51.1901.PS L
page 11	Installation screw	606N or 606P



Rear mounting bracket for frame cabinets

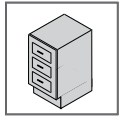


For use when installing TANDEM runners in face frame cabinets. Not necessary for panel cabinet installation.

- Two required per drawer
- Depth and side-to-side self-alignment
- Zinc-coated steel
- For 9" TANDEM rear attachment options see page 32

Part no.

Non-handed bracket	295.3750.01
Installation screw	606N or 606P



Specifications

563 H/F series runners

Side view

runner setback
see table on the bottom of page
Trial recommended

inset bracket

inside cabinet depth range

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

maximum with bracket =
runner length + setback + **48 (1-15/16")**

563./569 series runners

Side view

runner setback
see table on the bottom of page
Trial recommended

blocking behind frame

inside cabinet depth range

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

Installation

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

	563/569 H/.				runner setback					563F/569F				runner setback							
	sub front thickness	13 (1/2")	19 (3/4")	22 (7/8")	25 (31/32")	sub front thickness	13 (1/2")	16 (5/8")		19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")	sub front thickness	13 (1/2")	16 (5/8")	19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")	
		16 (5/8")	22 (7/8")	25 (31/32")	28 (1-3/32")		16 (5/8")	19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")		19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")		19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")
		19 (3/4")	25 (31/32")	28 (1-3/32")	31 (1-7/32")		19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")		16 (5/8")	19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")		16 (5/8")	19 (3/4")	22 (7/8")	25 (31/32")
		drawer front thickness					drawer front thickness					drawer front thickness									
calculating runner setback		563H	sub front thickness + drawer front thickness minus 10 (13/32")																		
		563F	sub front thickness + drawer front thickness minus 13 (1/2")																		

Runner setback when using all other locking devices

	563/569 H/.				runner setback					563F/569F				runner setback							
	sub front thickness	13 (1/2")	17.5 (11/16")	20.5 (13/16")	23.5 (15/16")	26.5 (1-1/32")	sub front thickness	13 (1/2")		14.5 (9/16")	17.5 (11/16")	20.5 (13/16")	23.5 (15/16")	26.5 (1-1/32")	sub front thickness	13 (1/2")	14.5 (9/16")	17.5 (11/16")	20.5 (13/16")	23.5 (15/16")	26.5 (1-1/32")
		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")	26.5 (1-1/32")		19 (3/4")	20.5 (13/16")	23.5 (15/16")	26.5 (1-1/32")		19 (3/4")	20.5 (13/16")	23.5 (15/16")	26.5 (1-1/32")
		19 (3/4")	23.5 (15/16")	26.5 (1-1/32")	29.5 (1-5/32")		19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")		16 (5/8")	19 (3/4")	22 (7/8")	25 (31/32")	28 (1-3/32")		16 (5/8")	19 (3/4")	22 (7/8")	25 (31/32")
		drawer front thickness					drawer front thickness					drawer front thickness									
calculating runner setback		563H	sub front thickness + drawer front thickness minus 11.5 (7/16")																		
		563F	sub front thickness + drawer front thickness minus 14.5 (9/16")																		

Setback information

Side view

runner setback

sub front

drawer front

NOTE: runner cannot be mounted below opening

mounting hole position

- Setbacks shown are for drawer fronts that are flush with the face frame
- For recessed drawer fronts or to allow for adjustability, the setback must be increased
- After installation, adjust the locking device until the drawer front is in the desired position, **2.5 (3/32")** out adjustment only

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

Narrow drawers

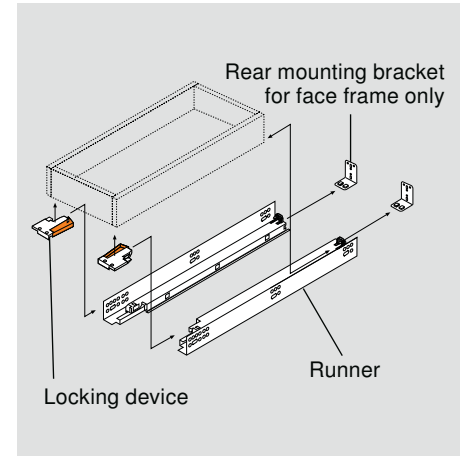
Application



Description

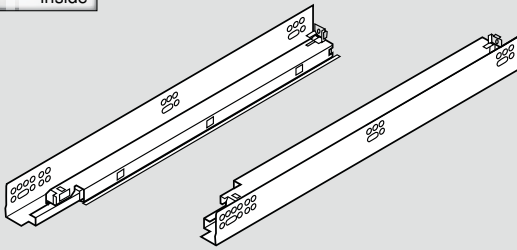
- For inside drawer widths of **95** (3-3/4") to **124** (4-7/8")
- Special narrow locking device required
- Maximum dynamic load rating for narrow drawer locking device is 25 lb
- Minimum **16** (5/8") sub front thickness
- **Available spring 2013**

Basic components



Components

Runner set



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



- 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

Part no.

Right locking device **T51.0801.20 R**

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

page 11 Installation screw **606N or 606P**

Rear mounting bracket for frame cabinets



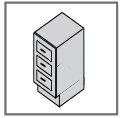
For use when installing TANDEM runners in face frame cabinets. Not necessary for panel cabinet installation.

- Two required per drawer
- Depth and side-to-side self-alignment
- Zinc-coated steel
- For 9" TANDEM rear attachment options see page 32

Part no.

Non-handed bracket **295.3750.01**

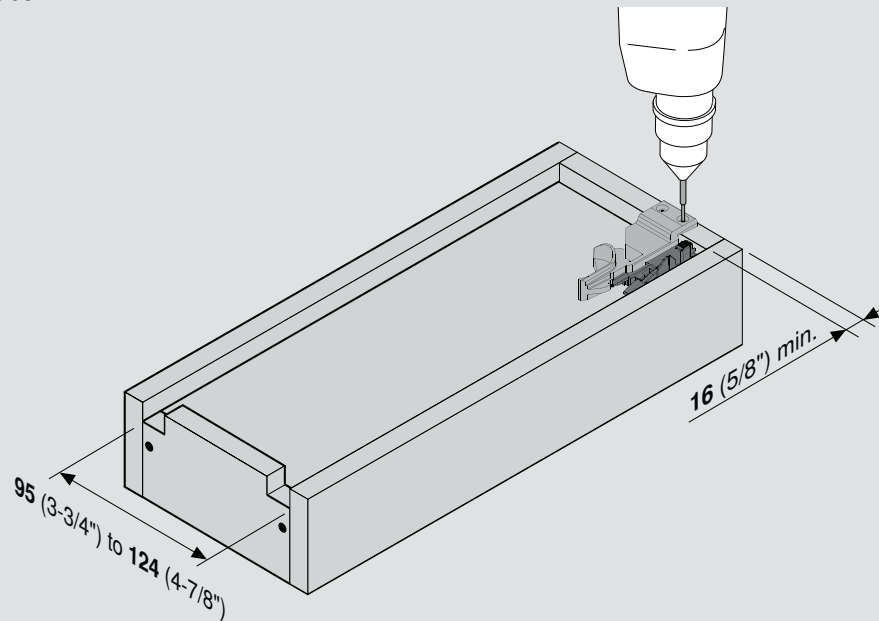
Installation screw **606N or 606P**



Drawer and cabinet specifications

Attach locking devices

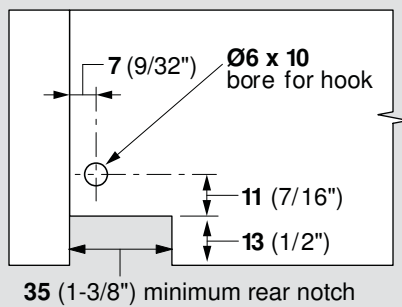
- 1 Position locking device in front corner of the drawer
- 2 Pre-bore locking device mounting screw holes with $\text{Ø}2.5$ mm piloting bit
- 3 Attach with two 606N or 606P screws
- 4 Repeat on the other side



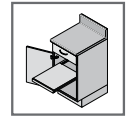
NOTE: A minimum of 16 (5/8") sub front thickness is required for mounting the narrow drawer locking device.

Drawer back preparation

Rear view



Roll-out shelf



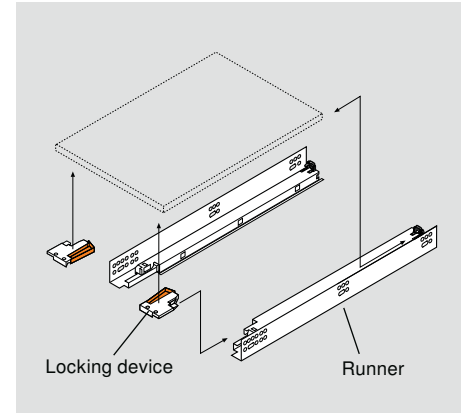
Application



Description

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

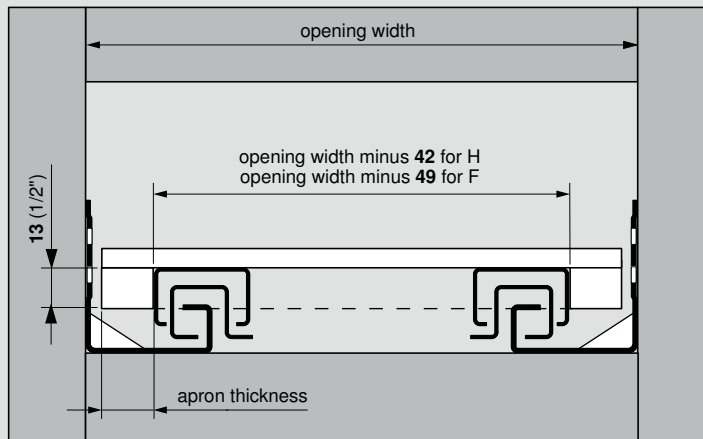
Basic components



Components

Shelf size and position in opening

Front view

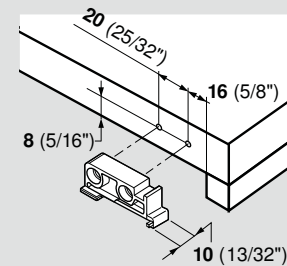


Calculating outside shelf width

runner	F/A series				H/. series			
apron thickness	19 (3/4")	18 (23/32")	17 (21/32")	16 (5/8")	15 (19/32")	14 (9/16")	13 (1/2")	12 (15/32")
deduct from opening width	11 (7/16")	13 (1/2")	15 (19/32")	10 (13/32")	12 (15/32")	14 (9/16")	16 (5/8")	18 (23/32")

Rear mounting block

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



- Eliminates the need to edge bore holes for hooks on roll-outs

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

Part no.

Rear mounting block	T51.7000.01
Installation screw	6064N

Side adjustable locking device

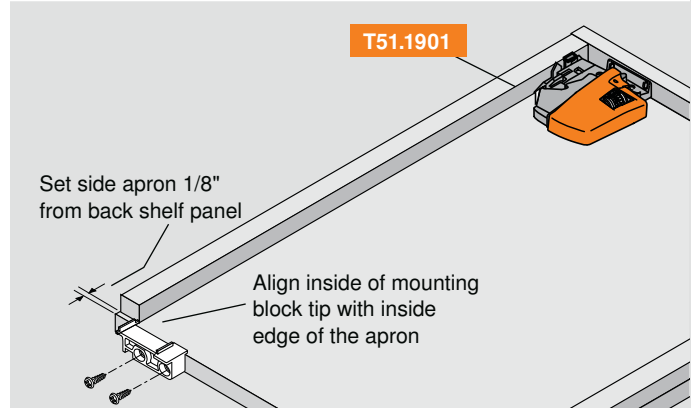


- One right and one left required per drawer
- With side-to-side adjustment
- Self-adjusting drawer length tolerance
- Minimum inside drawer width 170 (6-11/16")
- Height adjustment +3 (1/8")
- Side adjustment ±1.5 (1/16")
- For use with 563/569 series runners only
- For other options see page 30

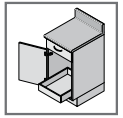
Part no.

	Right locking device	T51.1901 R
Installation	Left locking device	T51.1901 L
page 11	Installation screw	606N or 606P

Shelf assembly



Bottom mount drawer



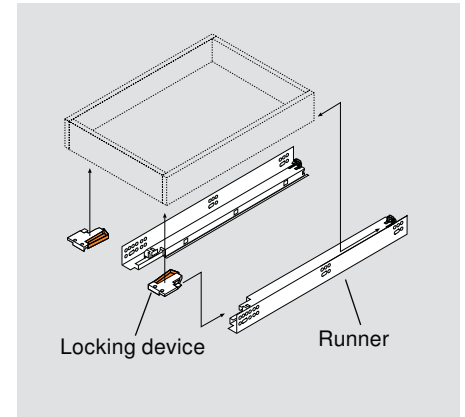
Application



Description

- Use 563H, 563, or 563F series in 15", 18" and 21" lengths
- Face frame or panel cabinets
- Application is possible with any TANDEM 563/569 locking device
- **13 (1/2") to 19 (3/4") drawer thickness**
- **100 lb load capacity**
- Heavy duty bottom mount application possible with 568R runners on page 36

Basic components

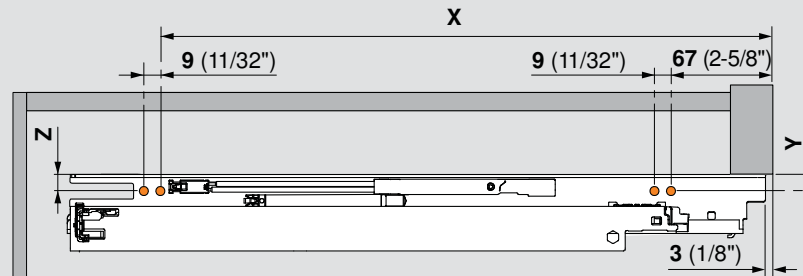


Components

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

Runner mounting specifications

Top view



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

SPACE CORNER

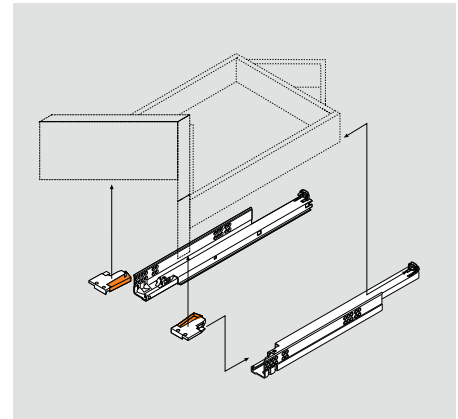
Application



Description

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

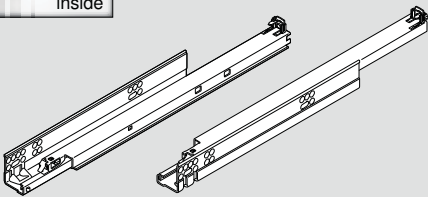
Basic components



Components

Runner set

One set required per drawer



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

Corner cabinet size	Maximum 5/8" drawer side thickness	Maximum 3/4" drawer side thickness
36", 39" or 42"	569.6860B	569A6860B
Wood screw for installation		606N or 606P
System screw for installation		662.1150.HG

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

Side adjustable locking device



- One right and one left required per drawer
- With side-to-side adjustment
- 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 adjustment **±1.5** (1/16")
- For use with 563/569 series runners only
- For other options see page 30

Part no.

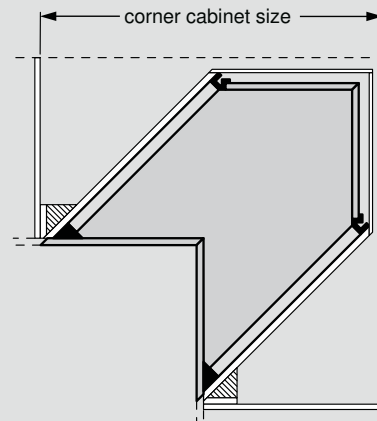
Right locking device **T51.1901 R**

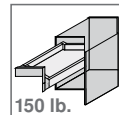
Installation Left locking device **T51.1901 L**

page 11 Installation screw **606N or 606P**

Measuring corner cabinet size

Top view

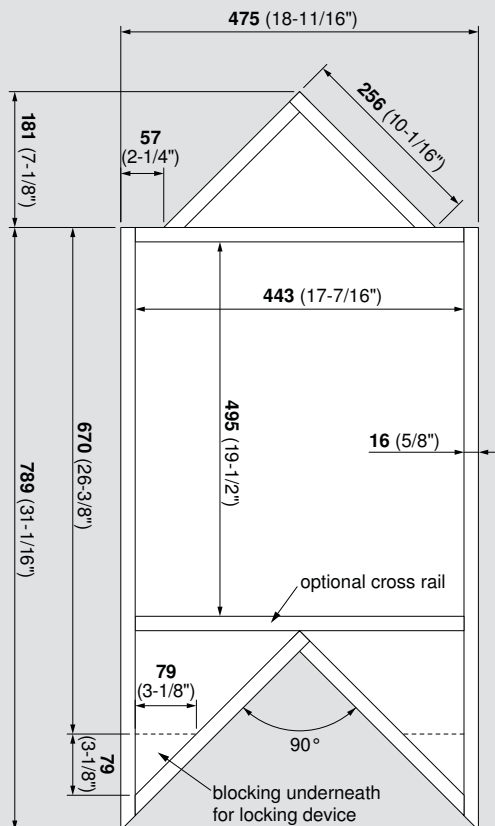




Drawer construction

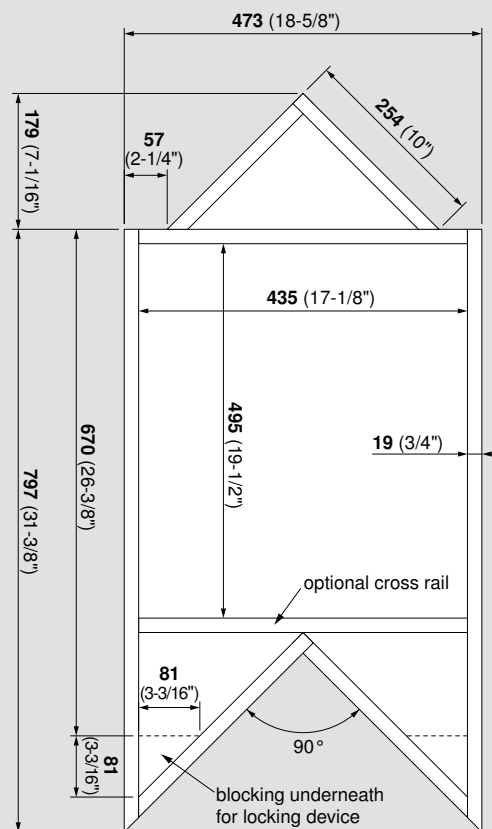
For a 39" SPACE CORNER using 5/8" material and 569.6860B

Top view



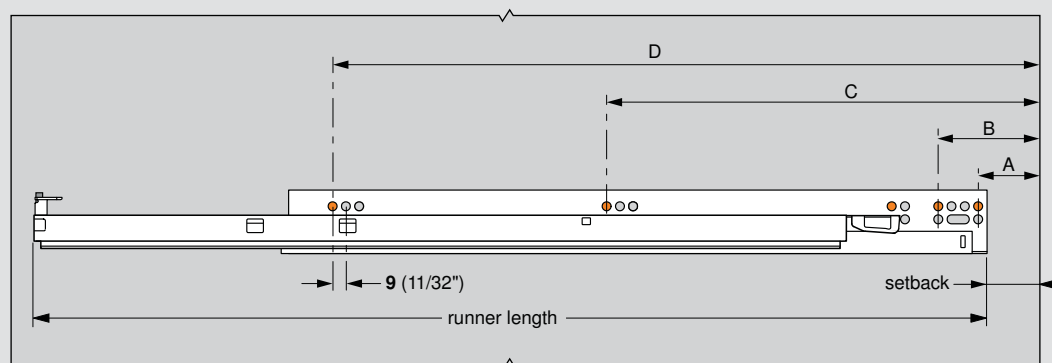
For a 39" SPACE CORNER using 3/4" material and 569A6860B

Top view



Mounting locations

Side view



TANDEM plus BLUMOTION	drawer material	setback	A	B	C	D
569.6860B	16 (5/8")	107 (4-7/32")	114 (4-1/2")	141 (5-9/16")	365 (14-3/8")	493 (19-13/32")
569A6860B	19 (3/4")	116 (4-9/16")	123 (4-27/32")	150 (5-29/32")	374 (14-23/32")	502 (19-3/4")

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

Locking devices for 563/569 series

With side adjustment

Standard

One right and one left required per drawer



- With side-to-side adjustment
- 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 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 adjustment ± 1.5 (1/16")
- Minimum sub front thickness **16** (5/8")
- Designed for **13** (1/2") drawer bottom recess
- **Available spring 2013**

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


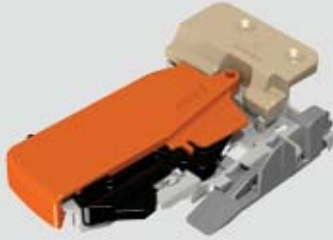



- Captive right device and self-aligning left device
- Self-adjusting drawer length tolerance
- Steel base with synthetic, spring-loaded release levers
- Minimum inside drawer width **170** (6-11/16")
- Height adjustment **+3** (1/8")
- Side adjustment ± 1.5 (1/16")
- Depth adjustment **+2.5** (3/32"), 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 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 adjustment

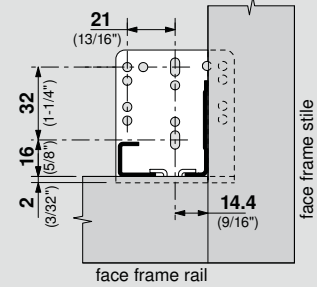
Standard	
One right and one left required per drawer	<ul style="list-style-type: none"> ■ For use with standard applications ■ Captive right device and self-aligning left device ■ Self-adjusting drawer length tolerance ■ Zinc die-cast with synthetic, spring-loaded release levers ■ Minimum inside drawer width 124 (4-7/8") ■ Height adjustment +3 (1/8") ■ Available spring 2013
	
	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	<ul style="list-style-type: none"> ■ 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 ■ Available spring 2013
	
	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	<ul style="list-style-type: none"> ■ 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 ■ Available spring 2013
	
	Part no.
Right locking device	T51.0801.20 R
Left locking device	T51.0801.20 L
Installation screw	606N or 606P

Rear attachment options

Screw-on bracket



- For TANDEM 563 H/F series runners only
- Lateral self-alignment feature **3** (1/8")
- Non-handed, one-piece stamped steel design, zinc-coated
- Use at least three #6 wood screws
- Not for use with 9" runners (563H/F2290B10)



Part no.

Screw-on bracket

295.3750.01

NOTE: Drawing to the right is for 563 series

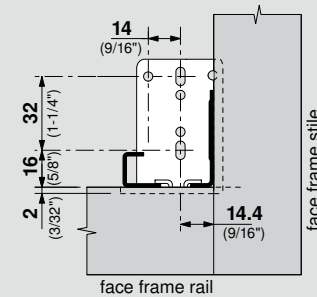
Installation screw

606N or 606P

Narrow screw-on bracket



- For applications with side recess space limitations (end panel)
- Maximum dynamic load capacity 45 lb
- For TANDEM 563 H/F series runners only
- Lateral self-alignment feature **3** (1/8")
- Non-handed, one-piece stamped steel design, zinc-coated
- Use at least two #6 wood screws
- Not for use with 9" runners (563H/F2290B10)



Part no.

Screw-on bracket

295.3550.01

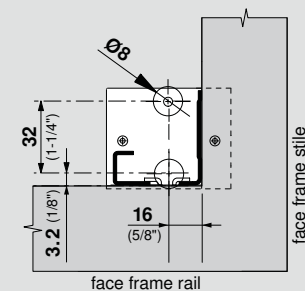
Installation screw

606N or 606P

Plug-in socket



- For TANDEM 563 H/F series runners only
- Lateral self-alignment feature
- Non-handed, two-piece design
- Non-detachable **8** (5/16") dowels, **9.5** (3/8") long
- Synthetic, natural color
- **6** (1/4") minimum back panel thickness
- Not for use with 9" runners (563H/F2290B10)



Part no.

Plug-in socket

295.6410

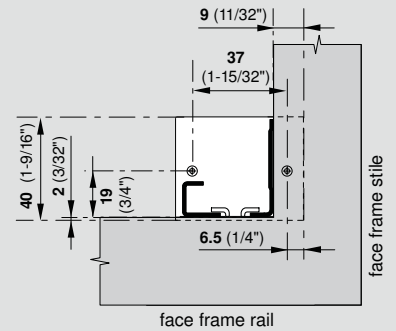
Installation screw

606N or 606P

Screw-on socket



- For TANDEM 563 H/F series runners only
- Lateral self-alignment feature
- Non-handed, two-piece design
- Synthetic, natural color
- Use two #6 flat head wood screws
- Not for use with 9" runners (563H/F229B10)



Part no.

Screw-on socket

295.6400

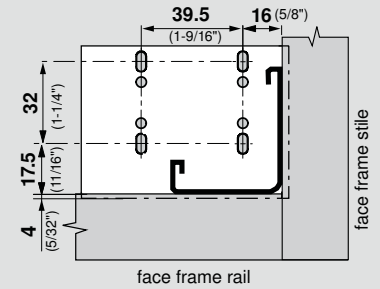
Installation screw

606N or 606P

Screw-on socket for 9" TANDEM plus BLUMOTION runners



- For use only when installing 9" runners in face frame cabinets
- For inside cabinet depth **266** (10-15/32") — **282** (11-3/32")
- Two required per drawer
- Use at least three #6 wood screws
- Lateral self-alignment



Part no.

Screw-on socket

295.3700.21

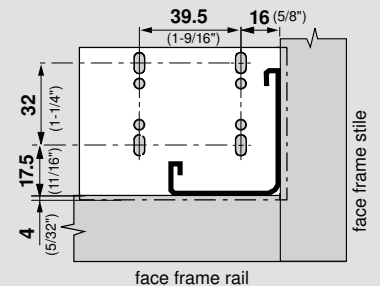
Installation screw

606N or 606P

Screw-on socket for 9" TANDEM plus BLUMOTION runners



- For use only when installing 9" runners in face frame cabinets
- For inside cabinet depth **283** (11-5/32") — **299** (11-25/32")
- Two required per drawer
- Use at least three #6 wood screws
- Lateral self-alignment



Part no.

Screw-on socket

295.3700.22

Installation screw

606N or 606P

Waste/recycle drawer with SERVO-DRIVE

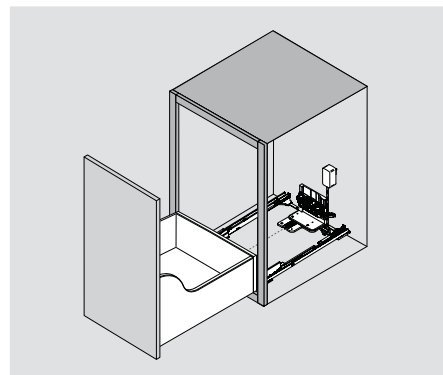
Application



Description

- Pre-assembled bottom mount set
- TANDEM plus BLUMOTION heavy duty full extension concealed drawer runners
- For 12", 15" and 18" minimum opening widths
- For 16 (5/8") max. drawer side thickness
- For face frame and panel applications
- Tool-free height and tilt adjustment
- Maximum 6 (1/4") cabinet bottom recess
- **125 lb static load capacity**
- SERVO-DRIVE touch-to-open feature

Basic components



NOTE: Drawer and bins not included

Components

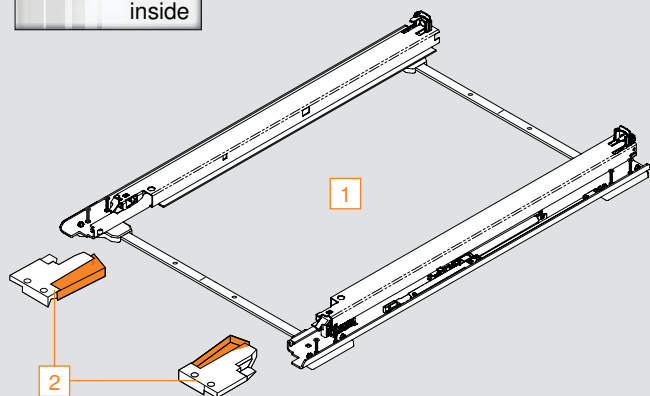
TANDEM waste/recycle set

SERVO-DRIVE

inside

BLUMOTION

inside

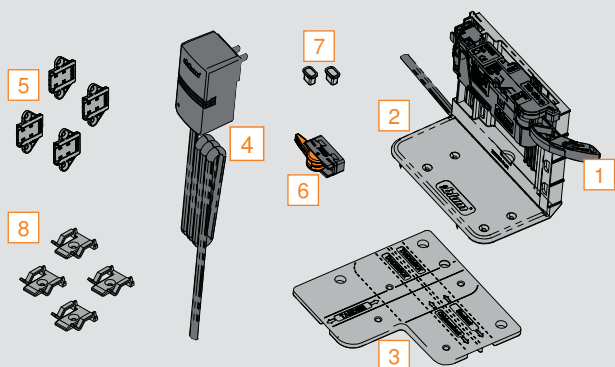


Set includes:

- 1 TANDEM plus BLUMOTION heavy duty runner set with pre-mounted #6 x 1" wood screws for installation (qty 8)
 - 2 Standard locking device (qty 2) with #6 x 1/2" truss head wood screws for installation (qty 4)
- Installation template and instructions

TANDEM waste/recycle set	Drawer length	Part no.
For 12" min. opening width	533 (21")	568R5337BB
For 15" min. opening width	533 (21")	568R5337BD
For 18" min. opening width	533 (21")	568R5337BF

SERVO-DRIVE waste/recycle set



Set includes:

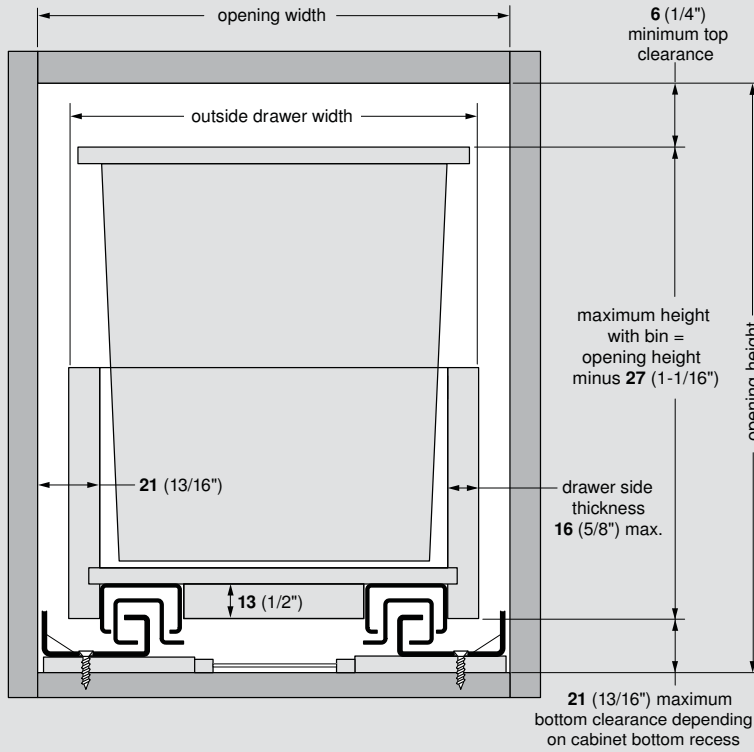
- 1 Drive unit (pre-attached)
 - 2 Double bottom bracket with #6 x 1" wood screws (qty 2)
 - 3 Adapter plate
 - 4 110V plug-in power supply with six feet of universal cable
 - 5 Screw-on distance bumpers (qty 4) with #6 x 5/8" wood screws for installation (qty 8)
 - 6 INSERTA cable connector
 - 7 Cable end protectors (qty 2)
 - 8 Cable clips (qty 4)
- Installation template, instructions and user manual

SERVO-DRIVE waste/recycle set	Part no.
	Z10NA20UGUS

Drawer and cabinet specifications

Drawer box specifications

Front view



Important

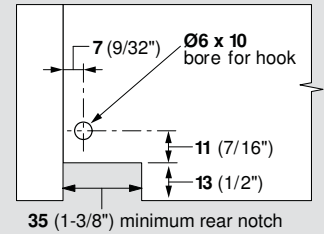
Bin width and height must be considered when designing your cabinet and drawer (see the diagram on the left).

Minimum inside cabinet depth

With SERVO-DRIVE	577 (22-23/32")
Without SERVO-DRIVE	556 (21-7/8")

Drawer back preparation

Rear view



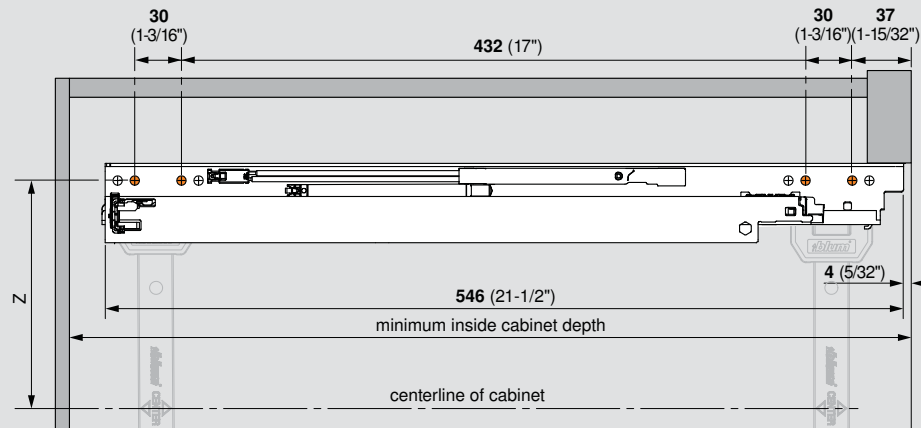
Waste/recycle set	opening width	Z	For drawer side thickness				
			16 (5/8")	15 (19/32")	14 (9/16")	13 (1/2")	12 (15/32")
568R5337BB	305 (12")	141.5 (5-9/16")	295 (11-5/8")	293 (11-17/32")	291 (11-15/32")	289 (11-3/8")	287 (11-5/16")
568R5337BD	381 (15")	179.5 (7-1/16")	371 (14-19/32")	369 (14-17/32")	367 (14-7/16")	365 (14-3/8")	363 (14-9/32")
568R5337BF	457 (18")	217.5 (8-9/16")	447 (17-19/32")	445 (17-17/32")	443 (17-7/16")	441 (17-3/8")	439 (17-9/32")

NOTE: Drawer length is 533 (21") for all sets

Outside drawer width

Set mounting specifications

Top view



NOTE: Orange dots indicate pre-mounted screw locations. All four are required to meet specified load capacities.

Waste/recycle drawer

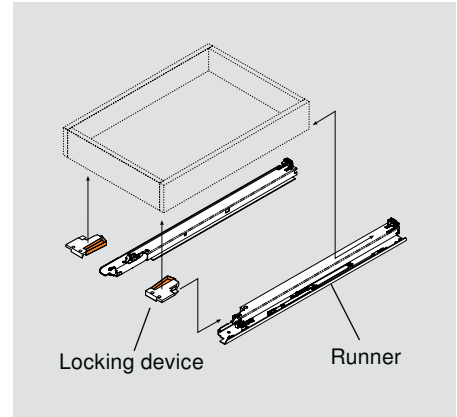
Application



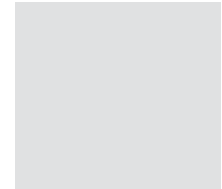
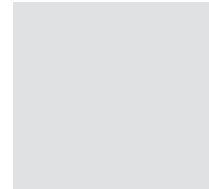
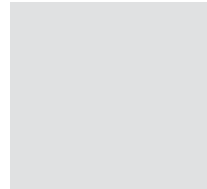
Description

- Full extension bottom mount concealed drawer runners with BLUMOTION
- For **16 (5/8")** max. drawer side thickness
- For face frame and panel applications
- Tool-free height and tilt adjustment
- Concealed roller carriages with permanently lubricated synthetic rollers create a smooth running action
- Locking devices enable easy drawer insertion and removal
- **125 lb static load capacity**

Basic components

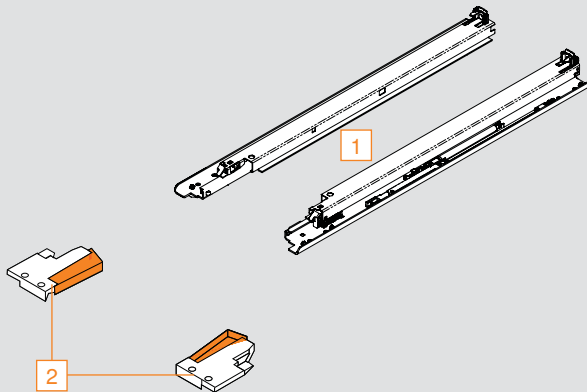


Applications



Components

TANDEM plus BLUMOTION bottom mount runner set



Set includes:

- 1 TANDEM plus BLUMOTION heavy duty runner set with #6 x 5/8" wood screws for installation (qty 10)
 - 2 Standard locking device (qty 2) with #6 x 1/2" truss head wood screws for installation (qty 4)
- Instructions

Overall cabinet depth	Drawer length	TANDEM plus BLUMOTION set
610 (24")	533 (21")	568R5330B
NOTE: These runners are for 16 (5/8") maximum drawer side thickness		
Wood screw for installation		606W

Interior roll-outs and roll-out shelf applications

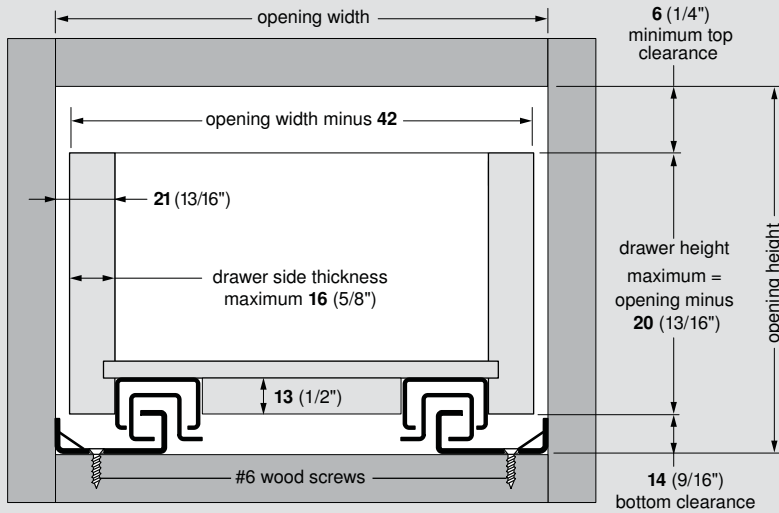
Interior roll-outs and roll-out shelf applications must be mounted to the bottom of the cabinet or to a fixed shelf/panel.

Rear brackets and sockets cannot be used. Cabinet bottom must be flush with top surface of bottom rail.

Drawer and cabinet specifications

Drawer box specifications

Front view



NOTE: Material thickness may vary. Inside drawer width **must** equal opening width minus 42 for TANDEM to align and run properly.

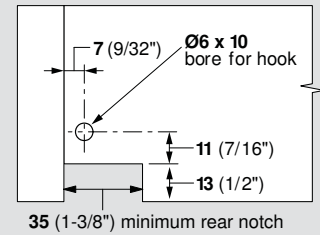
Calculating outside drawer width

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 3/8" = 20-5/8" drawer width

Drawer back preparation

Rear view



Runner comparison

Side view

568R – No vertical profile

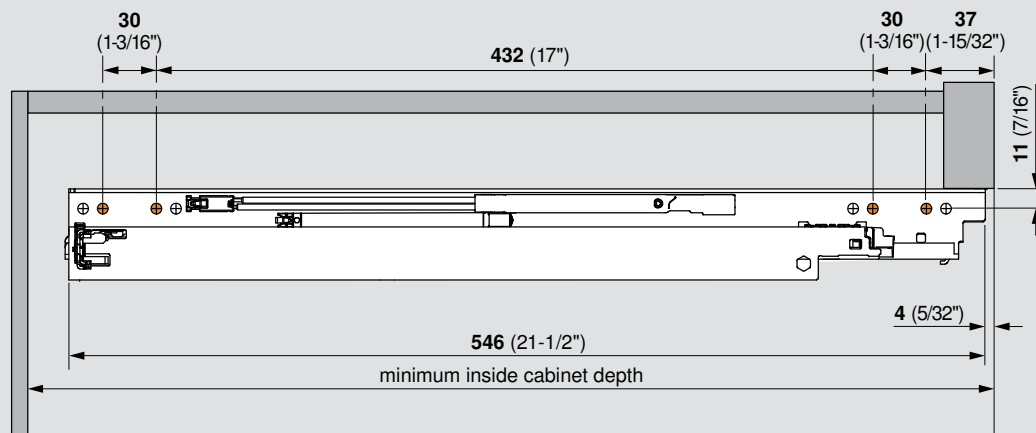


568H – Vertical profile



Profile mounting specifications

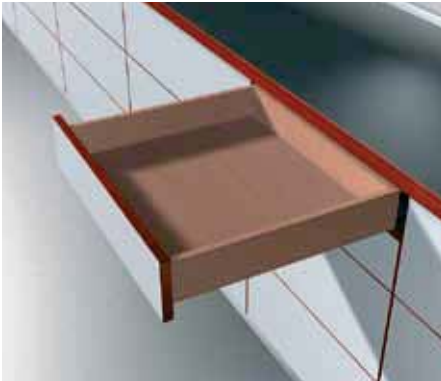
Top view



NOTE: Orange dots indicate screw locations required to meet specified load capacities (minimum 4 screws)

TIP-ON for TANDEM plus

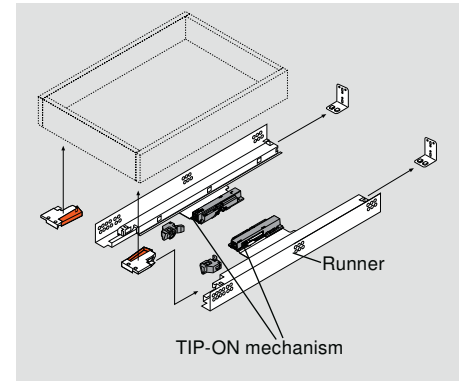
Overlay application



Description

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

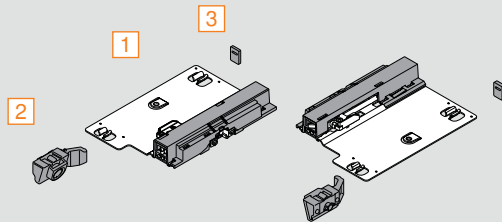
Basic components



Components

TIP-ON for TANDEM plus set

One set required per drawer



Set includes:

- 1 TIP-ON mechanisms (qty 2)
- 2 Adjustable triggers (qty 2)
- 3 Rear hook spacers (qty 2)

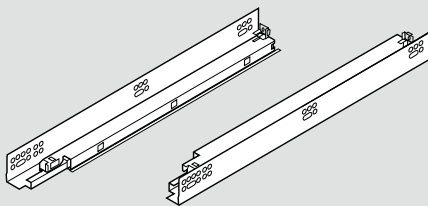
Part no.

TIP-ON for TANDEM plus set

T55.7150S

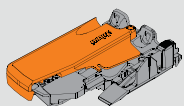
Runner set

One set required per drawer



	For overall cabinet depth	Drawer length	TANDEM plus	
			5/8" maximum drawer thickness	3/4" maximum drawer thickness
	381 (15")	305 (12")	562H3050C	562F3050C
	457 (18")	381 (15")	562H3810C	562F3810C
	533 (21")	457 (18")	562H4570C	562F4570C
	610 (24")	533 (21")	562H5330C	562F5330C
Wood screw for installation			707N	707N
System screw for installation			661.1300.HG	661.1300.HG

Standard locking device



- One right and one left required per drawer
- Minimum inside drawer width **121 (4-3/4")**
- Height adjustable **+3 (1/8")**
- For 562/568 series only

Part no.

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

Rear mounting bracket for frame cabinets



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

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

Part no.

Non-handed bracket	295.3750.01
Installation screw	606N or 606P

Specifications

TANDEM 562H dimensions	TANDEM 562F dimensions	Drawer back preparation
<p>Front view</p>	<p>Front view</p>	<p>Rear view</p>

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

TIP-ON for TANDEM plus synchronization set (optional)

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

Set includes:

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

Part no.
TIP-ON for TANDEM plus synchronization set **T55.908WR**

Assembly and adjustment

Step one — Attachment of mechanism

Step two — Attachment of trigger

Step three — Attachment of rear hook spacer

Step four — Front gap adjustment

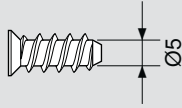
Trigger allows -1 (1/32") in and +2 (1/16") out adjustment of the drawer front.

NOTE: Minimum front gap = 2.5 (3/32")

Accessories

Deep thread system screw

Pilot bore $\varnothing 5$ (3/16") hole



Part no.

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

Deep thread wood screw

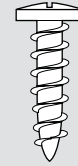


Part no.

#6 x 5/8", #2 Phillips	606N
#6 x 5/8", #2 POZI	606P
#6 x 1", #2 POZI	606W
#7 x 5/8", #2 Phillips	707N

Truss head wood screw

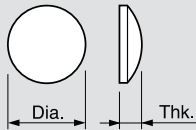
Pilot bore $\varnothing 2$ (3/32") hole



Part no.

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

Bumpers



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

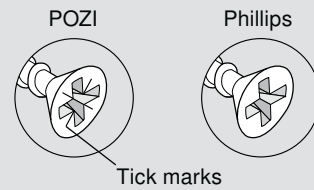
Part no.

$\varnothing 7.5$ (9/32") x 2 (3/32")	FX4041
$\varnothing 12$ (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

TANDEM end cap



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

Part no.

Right end cap	295.5520
Left end cap	295.5521

Side spacer

For spacing out TANDEM runners from the cabinet side for clearance on interior roll-outs.

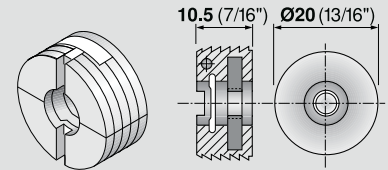


Part no.

Side spacer - 1" thick	T59.3570
POZI installation screw	661.1300.HG

Drawer front adjuster

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



NOTE: See next page for marking gauge

Part no.

Drawer front adjuster	295.1000.21
-----------------------	--------------------

TANDEM plus runner cover

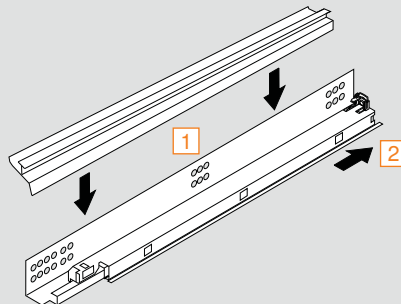


- Nylon cover to help protect the runner against dust and debris
- Available in **533** (21") only and can be cut to size
- Designed for 563/569 H/F

Part no.

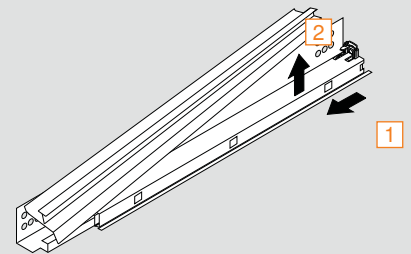
TANDEM plus cover	295.5510
-------------------	-----------------

Attachment



- 1 Lay the cover on top of the runner
- 2 Slide it to the back

Removal

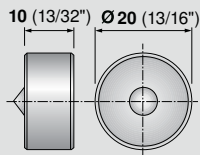
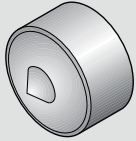


- 1 Slide the cover forward slightly
- 2 Lift the cover off from the rear

Assembly aids

Drawer front adjuster marking gauge

- For marking center holes for press-in drawer front adjusters
- For wooden four-sided drawers



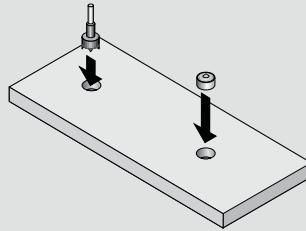
Part no.

Marking gauge

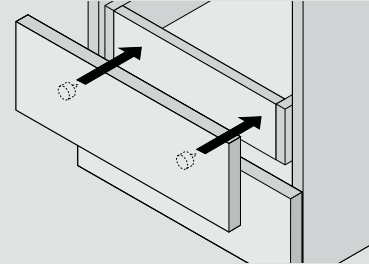
65.2950.10

Using the marking gauge

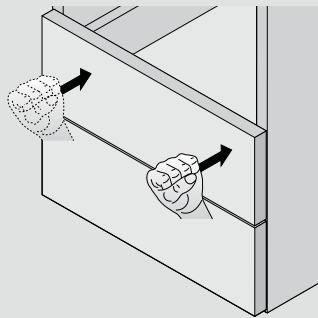
- Pre-bore for front adjusters
Insert marking gauges into drawer front



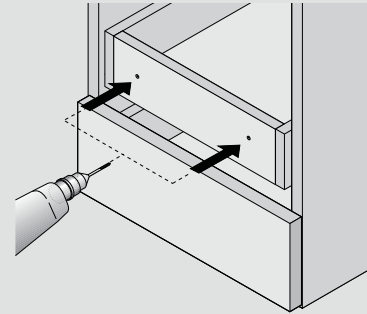
- Align the drawer front to make marks in the drawer box



- Mark fixing positions with a light tap onto the drawer front



- Bore Ø5 (3/16 inch) holes through the drawer box



TANDEM template

- Essential tool for drawers using 563/569 series TANDEM runners
- To bore the Ø6 mm holes for rear hooks
- Pre-bore Ø2.5 mm hole for TANDEM locking devices at 15° angle



Part no.

For 563/569 series

T65.1600



Part no.

For 562/568 series

T65.1000.02

Accessories (order separately)

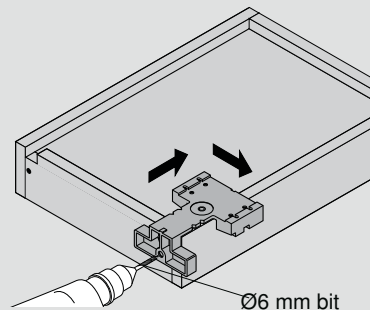
Ø2.5 mm drill bit **DB-2.5mm**

Ø6 mm drill bit **DB-6mm**

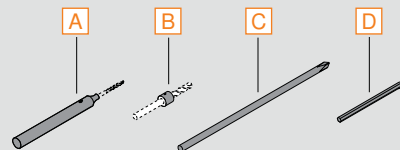
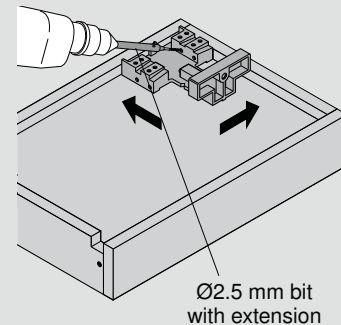
Tool set **T65.9000**

Using the TANDEM template

- Bore rear fixing holes



- Pre-bore holes for locking device screws



Tool set includes:

- A Ø2.5 mm drill bit extension
- B Ø6 mm stop collar
- C #2 Phillips screwdriver tip
- D Allen wrench

NOTE: Items NOT sold separately

Universal individual template



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

Set includes:

- Universal individual template
- Ø2.5 mm and Ø5 mm stop collars
- Allen wrench

Part no.

Universal individual template

65.1051.01

Cabinet profile template set



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

Part no.

Cabinet profile template

65.1000.01

Replacement template

65.1001.01

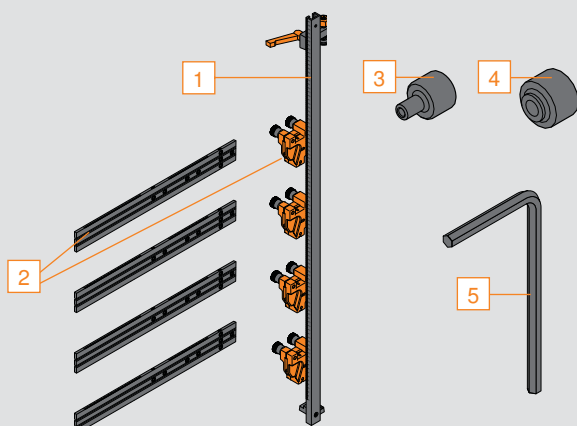
Ø2.5 mm drill bit

DB-2.5mm

Ø5 mm drill bit

DB-5mm

Components



Set includes:

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

NOTE: ONLY the replacement template is sold separately

Part number index



Part no. Page no.

65.1000.01	43
65.1001.01	43
65.1051.01	43
65.2950.10	42
295.1000.21	41
295.3550.01	32
295.3700.21	33
295.3700.22	33
295.3750.01	32
295.5510	41
295.5520	41
295.5521	41
295.6400	33
295.6410	32
562F3050C	38
562F3810C	38
562F4570C	38
562F5330C	38
562H3050C	38
562H3810C	38
562H4570C	38
562H5330C	38
563.4570B	12, 27
563.5330B	12, 27
563F2290B10	16
563F3050B	16
563F3810B	16, 27
563F4570B	16, 27
563F5330B	16, 27
563H2290B10	14
563H3050B	14
563H3810B	14, 27
563H4570B	14, 27
563H5330B	14, 27
568R5330B	36
568R5337BB	34
568R5337BD	34
568R5337BF	34
569.6100B	18
569.6860B	18, 28
569.7620B	18
569A6100B	20
569A6860B	20, 28
569A7620B	20
569F4570B	20

569F5330B	20
569H4570B	18
569H5330B	18
606N	40
606P	40
606W	40
612TH	40
661.1300.HG	40
661.1450.HG	40
662.1150.HG	40
707N	40
DB-2.5mm	42, 43
DB-5mm	43
DB-6mm	42
FX4041	40
#2 POZI DRIVER	40
POZI BIT #2x1	40
POZI BIT #2x2	40
SJ5312	40
T51.0801.20	31
T51.1801	31
T51.1801.20	31
T51.1901	30
T51.1901.20	30
T51.1901.PS	30
T51.7000.01	26
T55.7150S	38
T55.908WR	38
T59.3570	41
T59.A5P0S	22
T65.1000.02	42
T65.1600	42
T65.9000	42
Z10NA20UGUS	34

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



Blum, Inc. Headquarters, Stanley NC

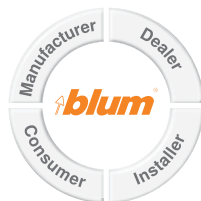
Why choose Blum



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

Commitment to manufacturing in the U.S.

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



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



Blum, Inc. is ISO 9001 certified which means that you are assured of consistent quality in every Blum product. What's more 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.TDM1100.07.12 © 2012 Blum, Inc. Printed in the USA.

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



ISO 9001
Certified Quality
System

