STANDARD

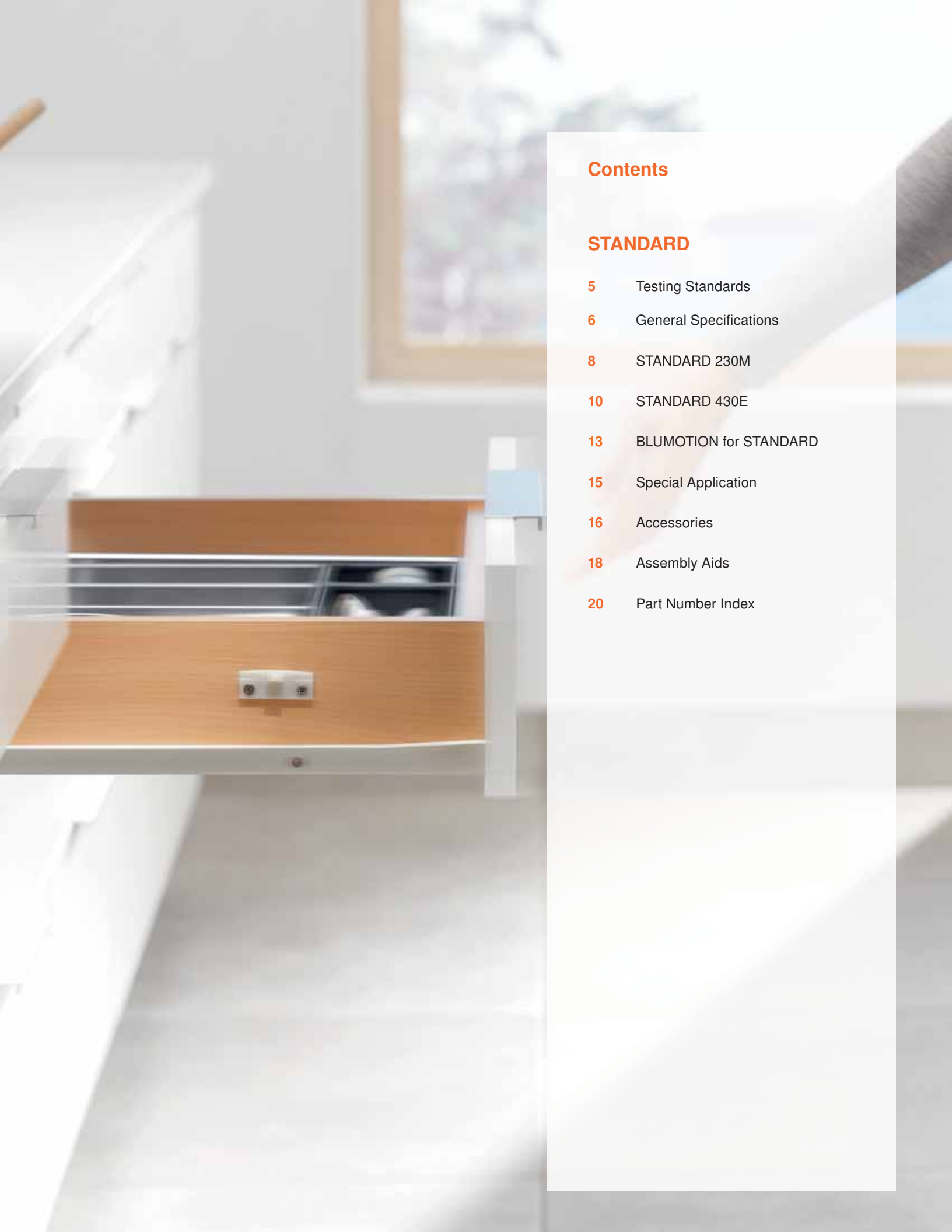
Drawer Runner Program

blum.com

Proven Performance Function and Durability

Blum STANDARD drawer runners are an industry staple due to its simplistic design and proven performance sure to last the lifetime of cabinets. The program is designed for a variety of applications like interior roll-outs or full-extension drawers. Blum STANDARD runners have been manufactured in the USA for more than 25 years and can now be used with our tried and tested BLUMOTION soft-close technology.

blum



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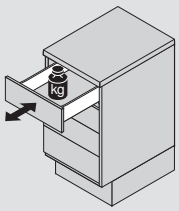
Blum Testing Criteria

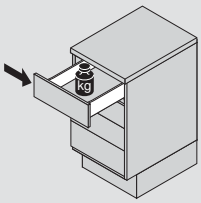
Cycle life/Dynamic load capacity test

- 100,000 open/close cycles with a total weight of **34**kg (75lb.) on a **550**mm (22") drawer.



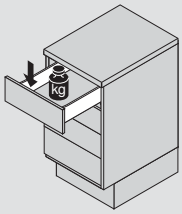
Side pressure test

- A force of **15**kg (33lb.) is applied ten times to a fully extended **550**mm (22") drawer.



Static load capacity test

- **45.3**kg (100lb.) applied to a half extended **550**mm (22") drawer for 1 minute.



STANDARD drawer runners exceed ANSI/BHMA requirements for a Grade 1 rating.

Function and Durability

The STANDARD dawer runner series is the runner of choice when performance, function and durability are desired. Blum offers two series of conventional drawer runners that deliver exceptional running action.

Longevity

All STANDARD drawer runners exceed BHMA Grade 1 requirements (75 lbs. dynamic load capacity, and 100 lbs. static load capacity).

> 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. Care and cleaning – use a clean damp cloth.

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.

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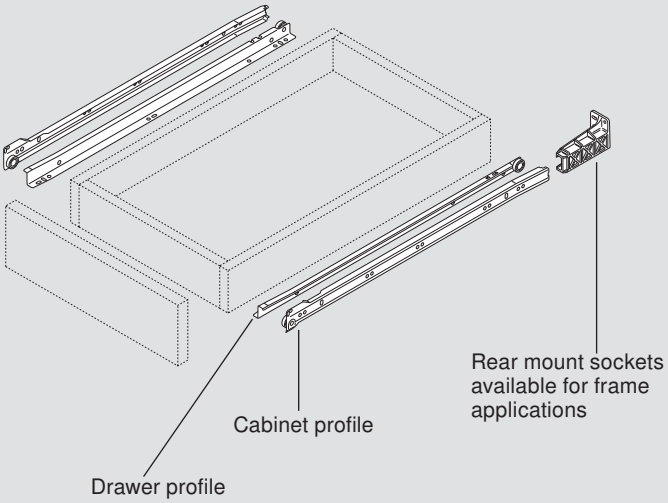
STANDARD 230M
General Specifications

- Single extension, bottom mounted
- Durable epoxy coating in cream or white
- Smooth running synthetic rollers on tempered steel axles
- Captive RH profiles/tolerance LH profiles
- 1/2" side clearance
- Double warning lift out stop
- Add on BLUMOTION available for 230M series

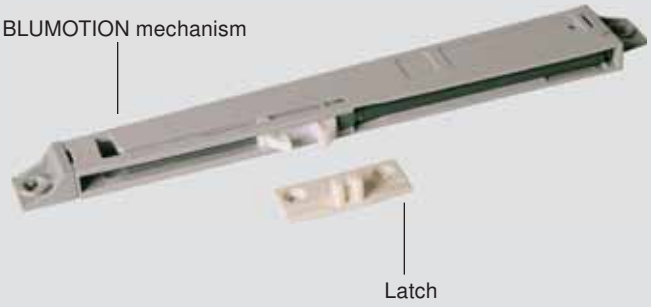
230M series

- Single extension, BLUMATIC self-closing drawer runners
- Lengths: **250** (10") to **650** (26")



BLUMOTION for STANDARD

- Soft close mechanism for STANDARD
- Only for single extension 230M series



BLUMOTION for STANDARD Template

- Template for latch installation

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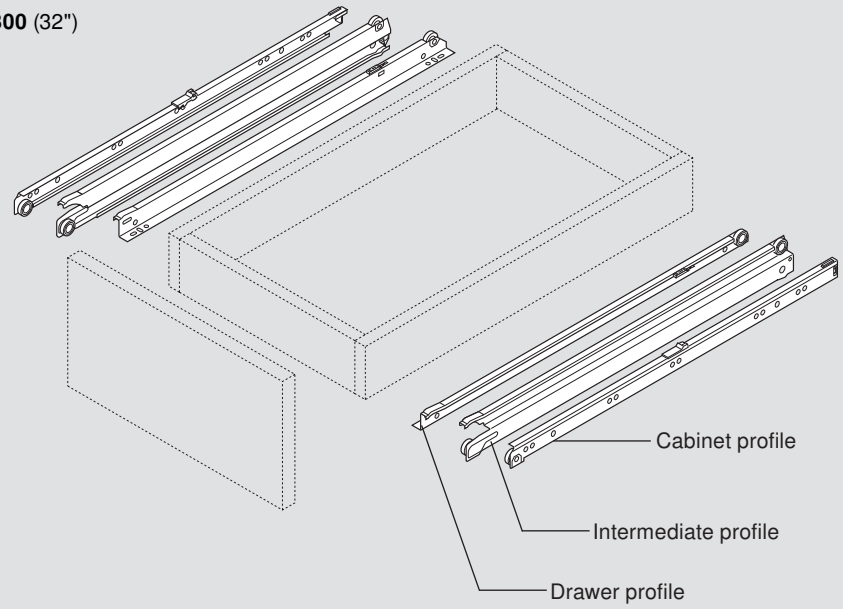
STANDARD 430E
General Specifications

STANDARD

- Full extension, bottom mounted
- Durable epoxy coating in cream
- Smooth running synthetic rollers on tempered steel axles
- Double captive profiles
- 1/2" side clearance
- Lock out stop to prevent drawer removal
- Intermediate profiles lock out for easy drawer installation
- 1-1/4" over extension
- Detents in the drawer and intermediate profiles hold the drawer closed

430E series

- Full extension with stay-closed detents
- Lengths: **250** (10") to **800** (32")



NOTE: No rear mount sockets available for 430E series. For frame cabinets, block out behind profiles.

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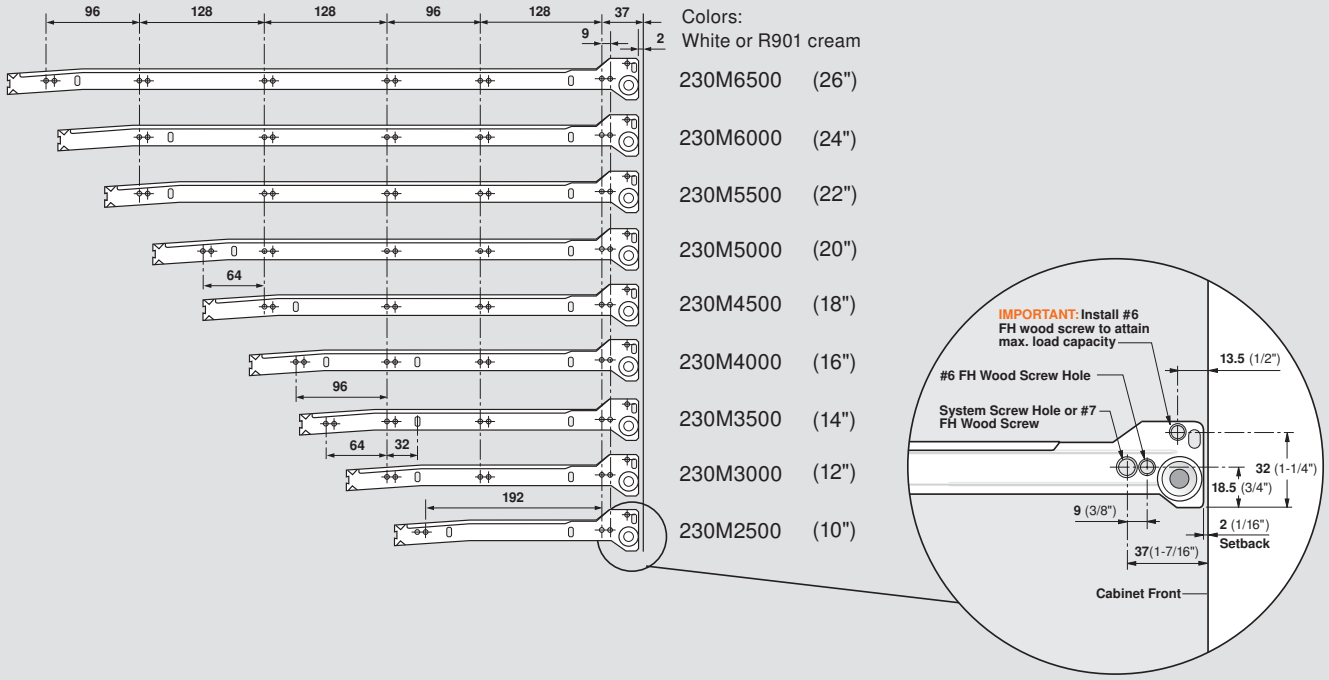
Bottom Mounted Single Extension Drawer Runners

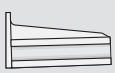
Runner Part No.	Nominal Length	Inside Depth		Minimum Panel Cabinet Interior Depth *	Suggested Drawer Length	Extension Loss **	Cabinet & Drawer Profile Length
		Maximum	Minimum				
230M6500	(26")	**697** (27-7/16")	**677** (26-11/16")	**653** (25-3/4")	**650** (25-5/8")	**127** (4-15/16")	**650** (25-5/8")
230M6000	(24")	**647** (25-1/2")	**627** (24-11/16")	**603** (23-3/4")	**600** (23-5/8")	**120** (4-11/16")	**600** (23-5/8")
230M5500	(22")	**597** (23-1/2")	**577** (22-3/4")	**553** (21-13/16")	**550** (21-11/16")	**110** (4-5/16")	**550** (21-11/16")
230M5000	(20")	**547** (21-9/16")	**527** (20-3/4")	**503** (19-13/16")	**500** (19-11/16")	**102** (4")	**500** (19-11/16")
230M4500	(18")	**497** (19-9/16")	**477** (18-13/16")	**453** (17-7/8")	**450** (17-3/4")	**95** (3-3/4")	**450** (17-3/4")
230M4000	(16")	**447** (17-5/8")	**427** (16-13/16")	**403** (15-7/8")	**400** (15-3/4")	**85** (3-3/8")	**400** (15-3/4")
230M3500	(14")	**397** (15-5/8")	**377** (14-13/16")	**353** (13-7/8")	**350** (13-3/4")	**85** (3-3/8")	**350** (13-3/4")
230M3000	(12")	**347** (13-11/16")	**327** (12-7/8")	**303** (11-15/16")	**300** (11-13/16")	**85** (3-3/8")	**300** (11-13/16")
230M2500	(10")	**297** (11-11/16")	**277** (10-7/8")	**253** (9-15/16")	**250** (9-13/16")	**59** (2-5/16")	**250** (9-13/16")

* For overlay drawer fronts. Space requirements for inset drawers will vary according to front thickness. A trial is recommended.
** At suggested drawer length.

Specifications

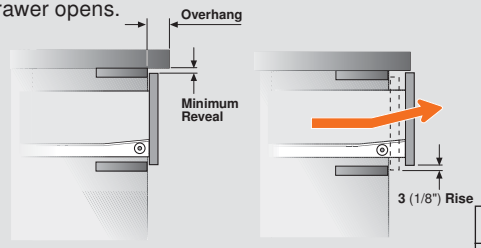


230M Rear Mount Sockets



	Part no.
L&R set	602320
RH socket	602300
LH socket	602301

NOTE: The BLUMATIC design lowers the drawer into the closed position. Consult the minimum reveal table to make sure the drawer front clears the countertop overhang when the drawer opens.



Overhang	16 (5/8")	32 (1 1/4")	48 (1 7/8")
Minimum Reveal	1 (1/32")	2 (3/32")	3 (1/8")

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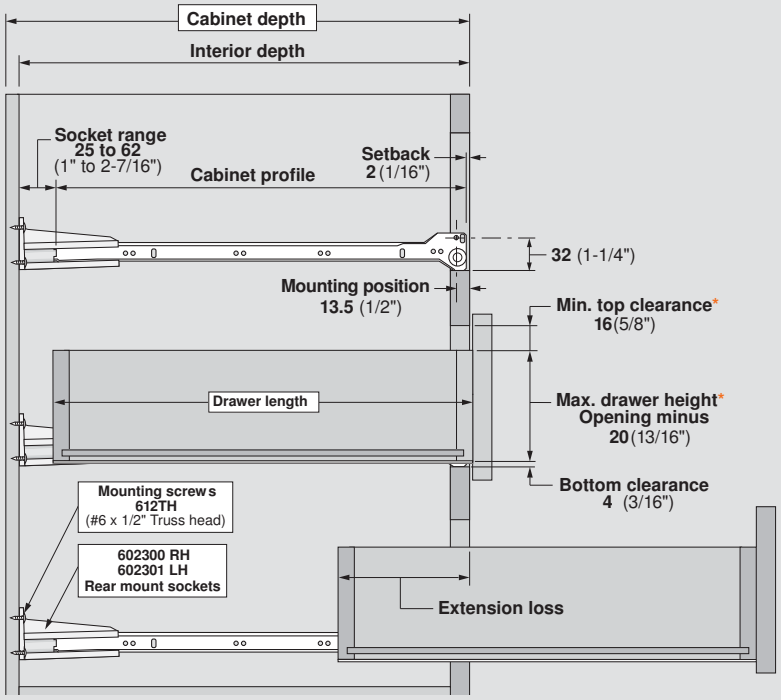
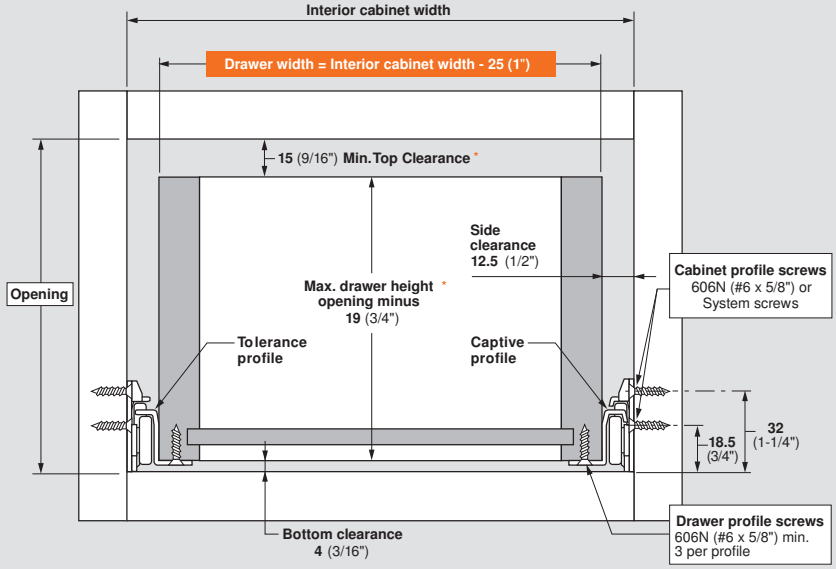
Drawer and Cabinet Specifications

Frame cabinet installation

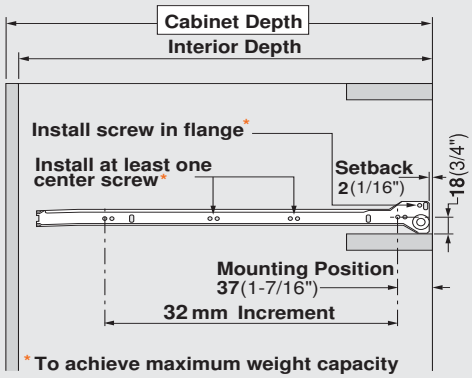


* Minimum top clearance and maximum drawer height when drawer is of recommended length and tilting to remove is not desired.

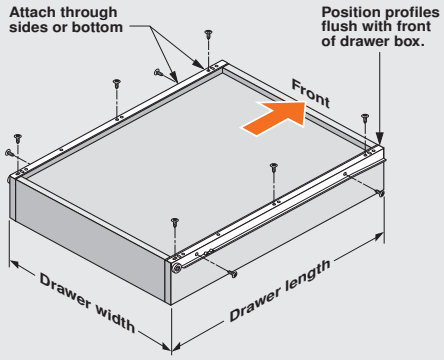


* Minimum top clearance and maximum drawer height when drawer is of recommended length and tilting to remove is not desired.

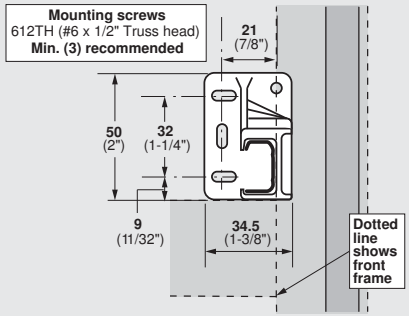
Panel cabinet installation



Drawer profile mounting



Rear mount socket location



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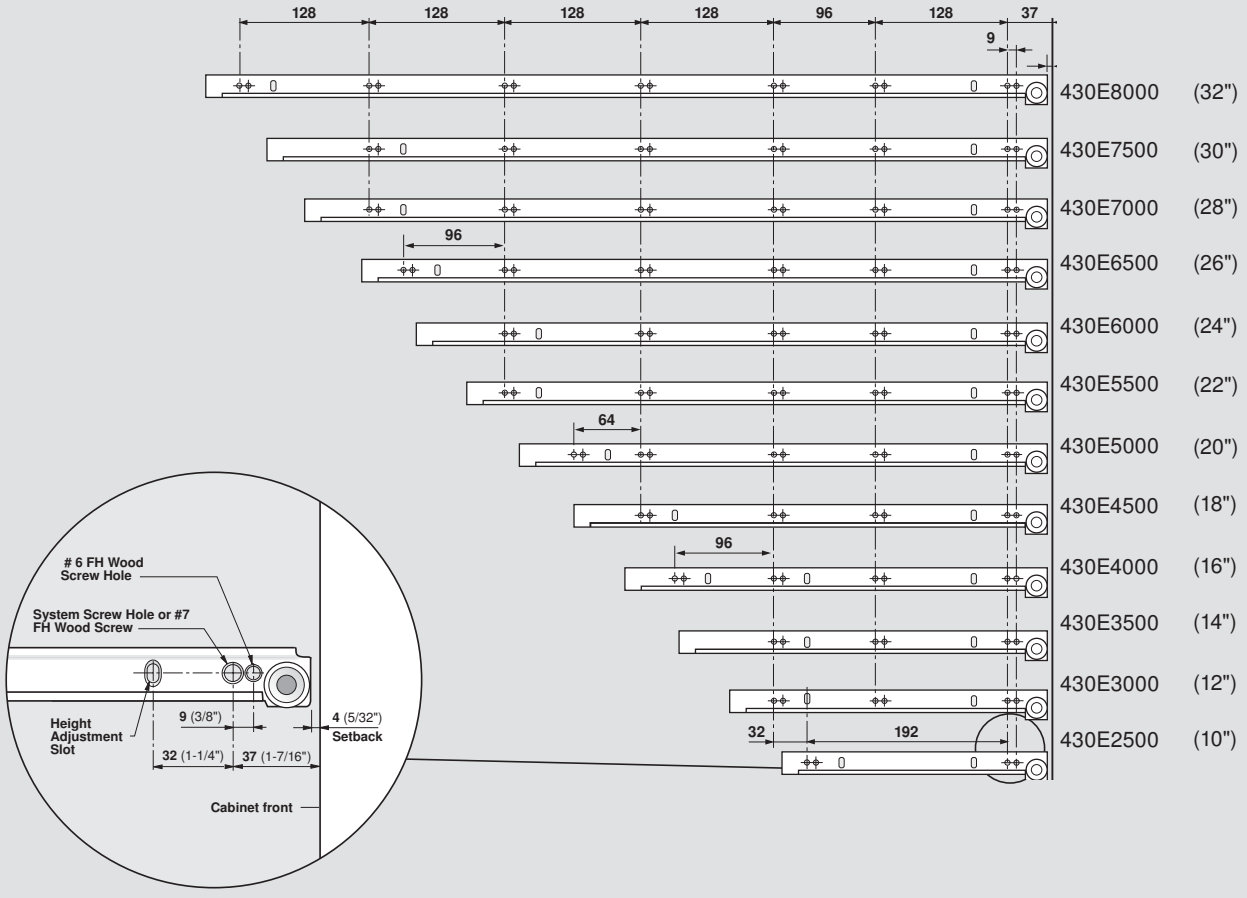
Bottom Mounted Full Extension Drawer Runners

Runner Part No.	Nominal Length	Minimum Interior Cabinet Depth *	Suggested Drawer Length	Over Extension	Cabinet & Drawer Profile Length
430E8000	(32")	**803** (31-5/8")	**800** (31-1/2")	**30** (1-3/16") **At suggested drawer length**	**800** (31-1/2")
430E7500	(30")	**753** (29-5/8")	**750** (29-1/2")		**750** (29-1/2")
430E7000	(28")	**703** (27-11/16")	**700** (27-9/16")		**700** (27-9/16")
430E6500	(26")	**653** (25-3/4")	**650** (25-5/8")		**650** (25-5/8")
430E6000	(24")	**603** (23-3/4")	**600** (23-5/8")		**600** (23-5/8")
430E5500	(22")	**553** (21-13/16")	**550** (21-11/16")		**550** (21-11/16")
430E5000	(20")	**503** (19-13/16")	**500** (19-11/16")		**500** (19-11/16")
430E4500	(18")	**453** (17-7/8")	**450** (17-3/4")		**450** (17-3/4")
430E4000	(16")	**403** (15-7/8")	**400** (15-3/4")		**400** (15-3/4")
430E3500	(14")	**353** (13-7/8")	**350** (13-3/4")		**350** (13-3/4")
430E3000	(12")	**303** (11-15/16")	**300** (11-13/16")		**300** (11-13/16")
430E2500	(10")	**253** (9-15/16")	**250** (9-13/16")		**250** (9-13/16")

* For overlay drawer fronts. Space requirements for inset drawers will vary according to front thickness. A trial is recommended.

Specifications



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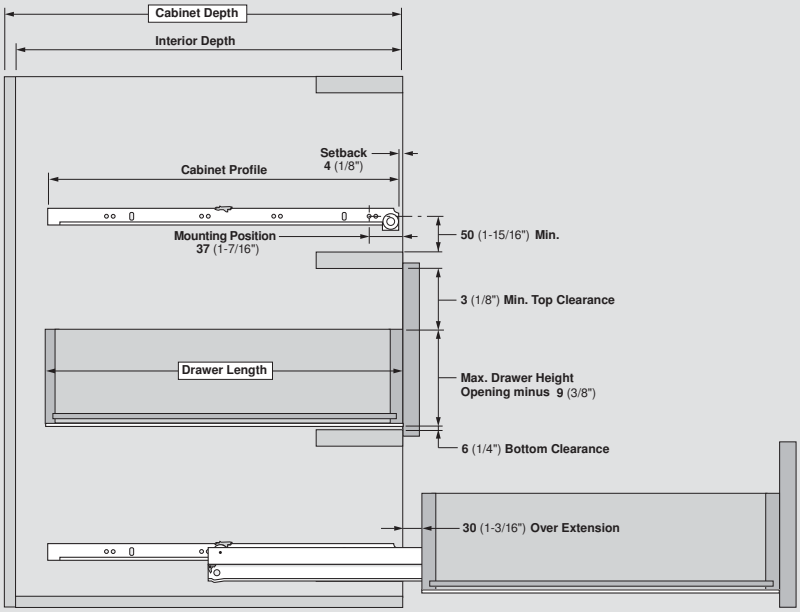
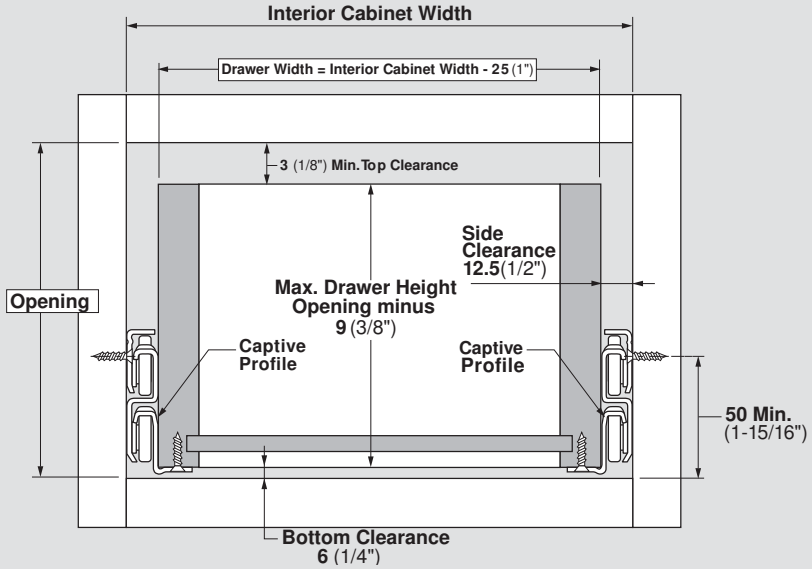
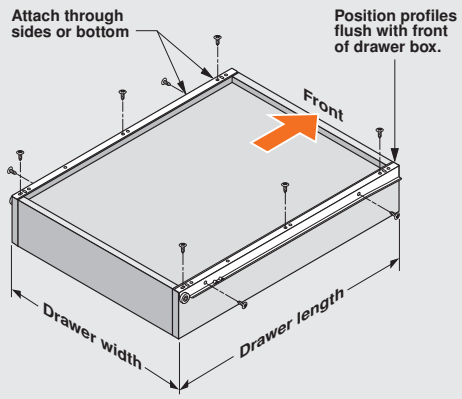
Drawer and Cabinet Specifications

Panel cabinet installation





Drawer profile mounting



NOTE: See page 12 for profile installation

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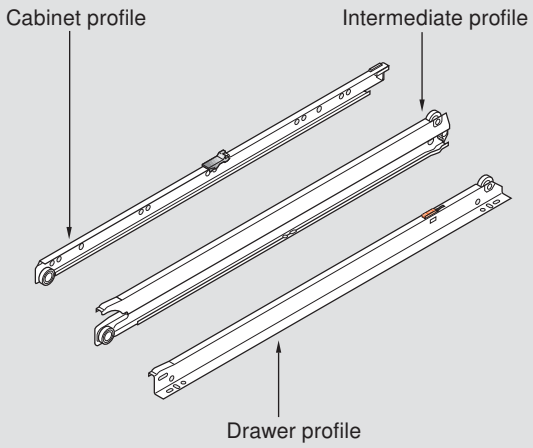
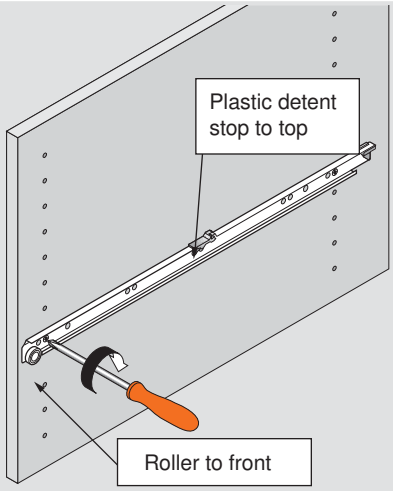
Assembly of Bottom Mounted Full Extension Drawer Runners

Cabinet and drawer profile assembly



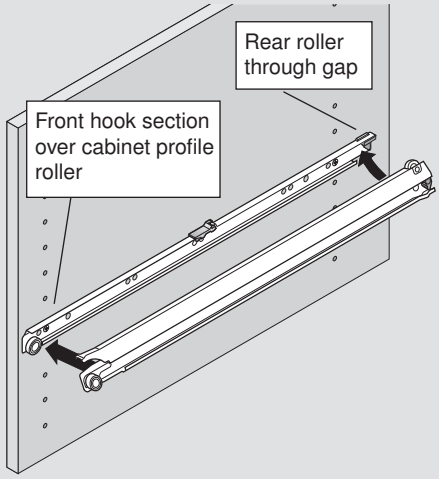
Mount cabinet profile to side panel

1



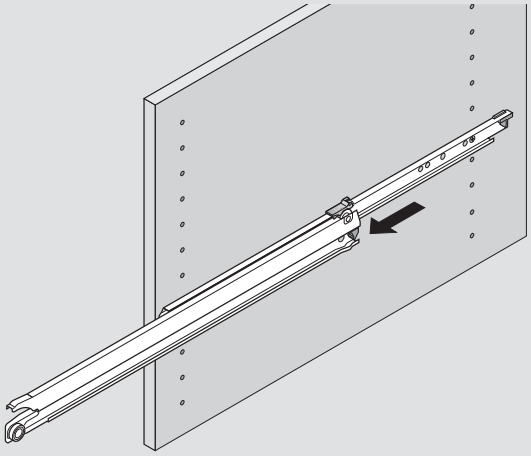
Install intermediate profile

2



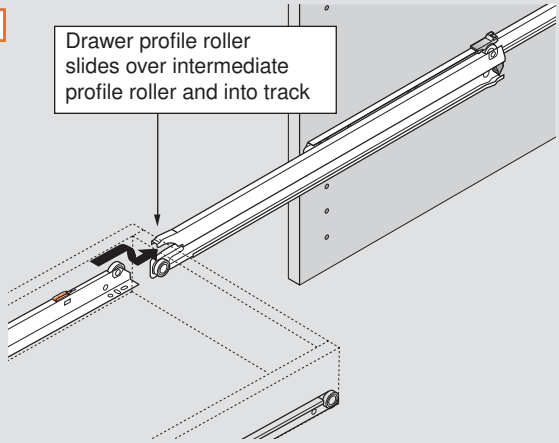
Slide intermediate profile into position

3



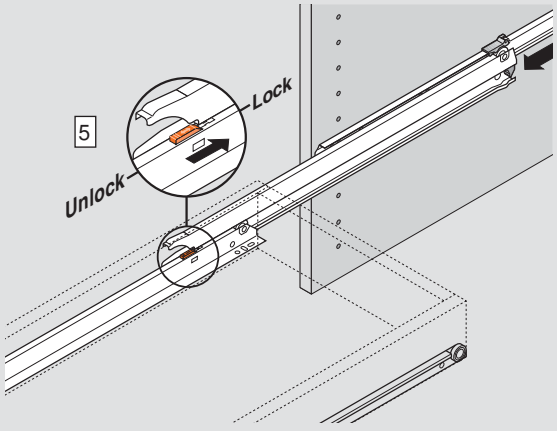
Install drawer profile

4



Engage drawer removal lock

5



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Application

Features

- Soft close mechanism for STANDARD
- Only for single extension 230M series
- Minimal opening force required
- One BLUMOTION required for cabinets up to 36" wide
- BLUMATIC self-closing and BLUMOTION in one mechanism
- Used in frameless applications and can be used in blocked out face frame applications

BLUMOTION for STANDARD Set

Set includes:

- BLUMOTION mechanism
- White latch

BLUMOTION set	**Z70.1320**

Template

- For latch installation

Template	**65.3400**

BLUMOTION for STANDARD attaches on the left side of the cabinet, above the cabinet profile.

Two screws are needed to attach the latch to the drawer box.

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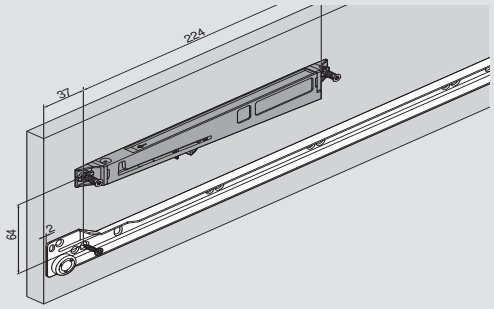
Installation

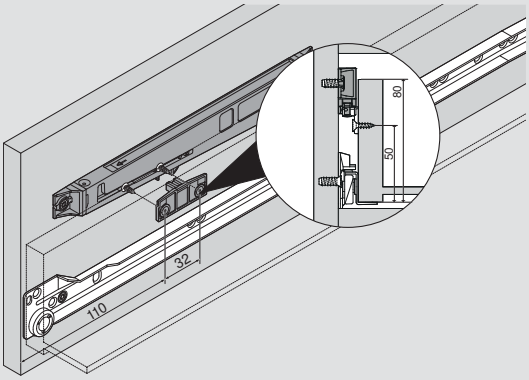
BLUMOTION mechanism mounting

Only one BLUMOTION set required for cabinets up to 36" wide.



Installation screws	Part no.
#6 x 5/8", #2 wood screw (two required)	606N or 606P
#7 x **14.5** mm system screw (two required)	661.1450HG

Latch attachment

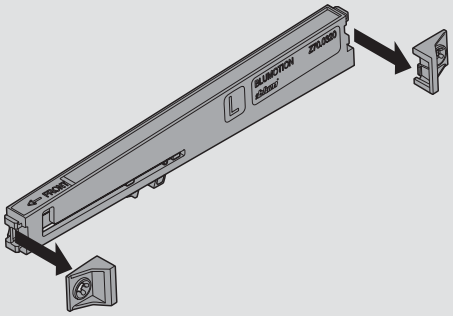


Installation screws	Part no.
#6 x 1/2", #2 wood screw (two required)	6062N

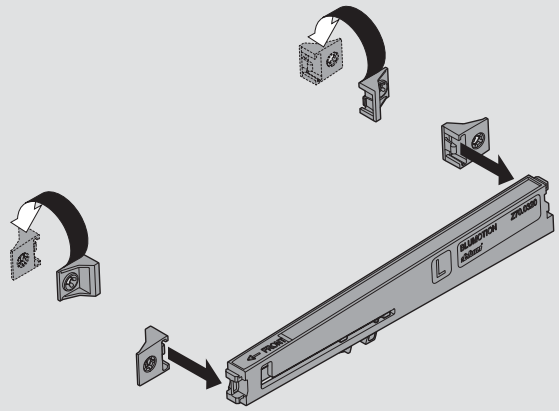
For Drawers Greater Than 36" Wide

Use two BLUMOTION for STANDARD sets

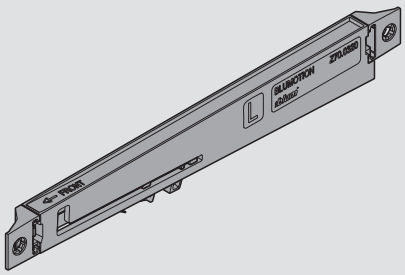
1 After attaching the left mechanism, prepare the second BLUMOTION for attachment to the right side by removing the end brackets.



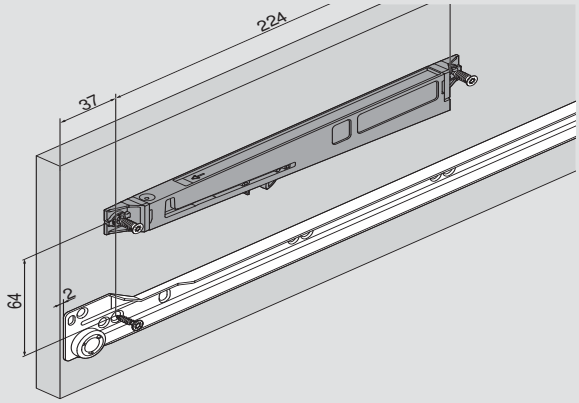
2 Rotate end brackets 180° and re-attach.



3 The BLUMOTION mechanism is now ready for attachment to the right side of the cabinet.



4 Attach with the installation screws shown.



Installation screws	Part no.
#6 x 5/8", #2 wood screw (two required)	606N or 606P
#7 x **14.5** mm system screw (two required)	661.1450HG

NOTE: An additional latch is required on the right side of the drawer

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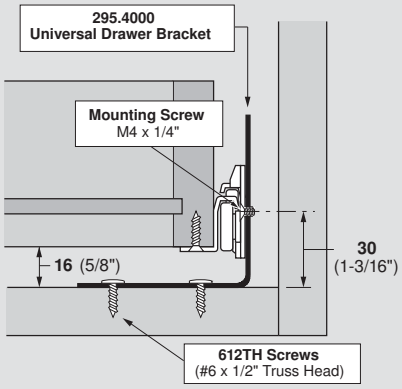
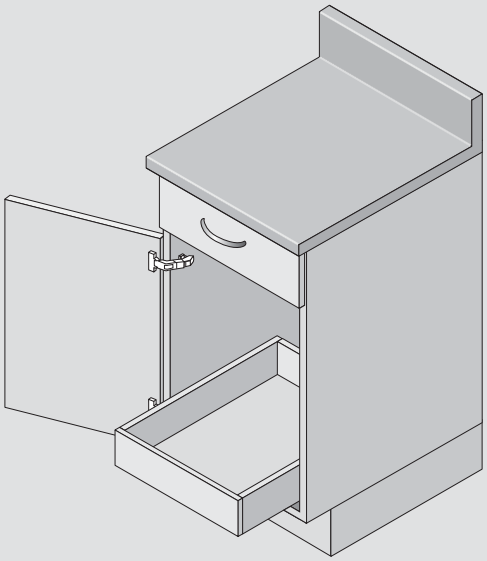
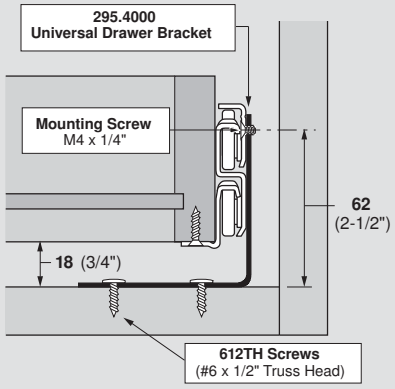
STANDARD series with roll-out tray mounted to Blum universal drawer brackets



- Roll-out tray with 230M runner

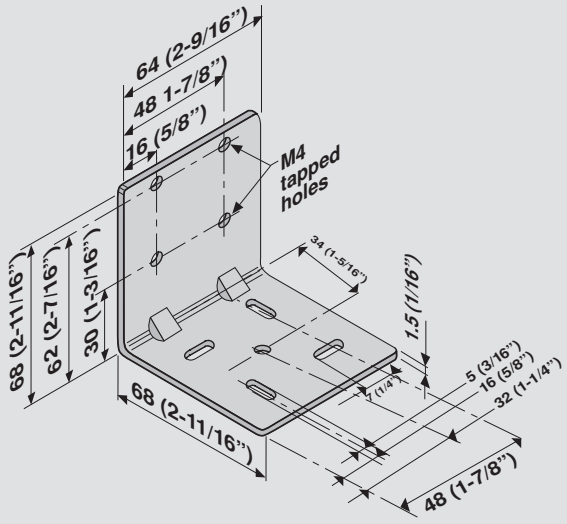




- Roll-out tray with 430E runner

Runner mounting brackets

- For mounting Blum runners to the floor of a cabinet (roll-out tray)



	Part no.
Universal bracket kit	295.4000
Installation screws	612TH

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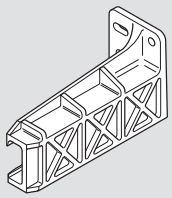
Accessories

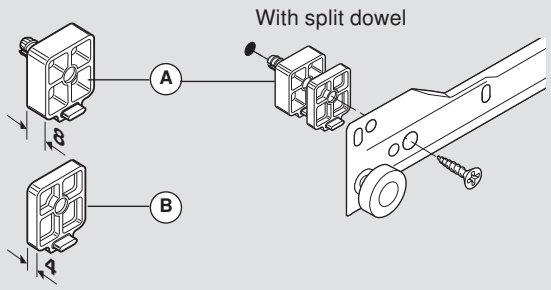
For 230M runners

- Synthetic, neutral color



	Part No.
230M socket set	**602320**
230M RH	**602300**
230M LH	**602301**
Installation screws	**612TH**

Cabinet profile spacers



- Used to space runners away from cabinet side to clear door protrusion on interior roll-out trays
- Two thicknesses available that can be stacked up to **24** (15/16")
- Synthetic, neutral color

NOTE: Use spacers on front, middle and rear of each cabinet profile for adequate support.

		Part no.
Ⓐ	**8** (5/16") with Ø**5** (3/16") x **11** dowel for linebore mounting	**320M0188**
Ⓑ	**4** (5/32") stackable	**320M0048**

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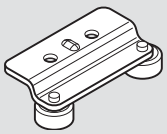
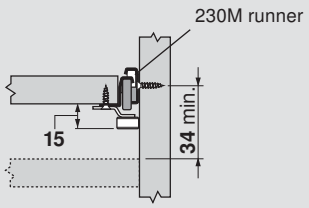
Door protectors

- For pull-out surrounds to prevent damage to doors
- Fixed to the underside of the drawer
- For 230M and 430E runners
- Epoxy coated steel, with synthetic rollers cream color
- Symmetrical

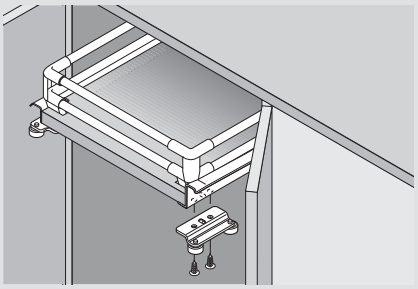


	Part no.
	298.2200

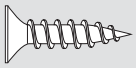
Space requierments



Assembly



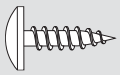
Deep thread wood screws



- Nickel plated

	Part no.
#6 x 1/2", #2 wood screw	6062N
#6 x 5/8", #2 Phillips	606N
#6 x 5/8", #2 POZI	606P

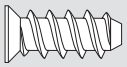
Truss head wood screws



- Zinc plated

	Part no.
#6 x 1/2", #2 Phillips	612TH

Deep thread system screws

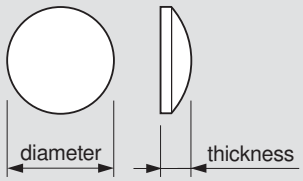


- Used to attach cabinet profiles
- Pilot bore **Ø5** (3/16") hole

	Part no.
#7 x **11.5**mm, #2 POZI	661.1150.HG
#7 x **13**mm, #2 POZI	661.1300.HG
#7 x **14.5**mm, system screw	661.1450.HG

Bumpers

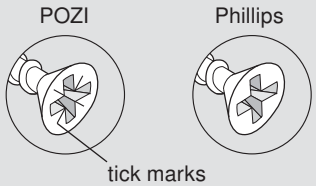
- Cushions door closing
- Clear with a self-adhesive back



	Part no.
7.5 (9/32") x **2** (3/32")	FX4041
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

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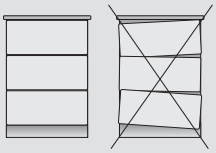
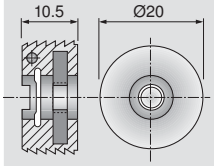
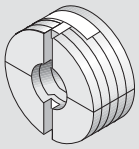
Drawer front adjusters

- Nylon housing with pre-mounted 8-32 steel nut. For 4-sided drawers.
- Adjusts height and side-to-side by **5** (3/16")



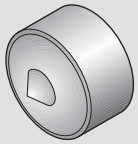


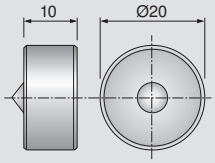


	Part no.
Drawer front adjuster	295.1000.21
MINIPRESS ram	MZM.0095
Ø20 rt handed drill bit	M01.ZB20.02 RH

Marking gauge

- For marking center holes for knock-in drawer front adjusters
- For wooden 4-sided drawers

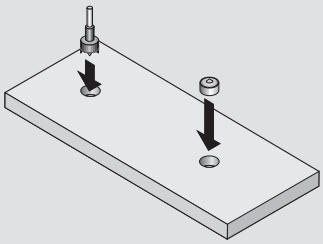




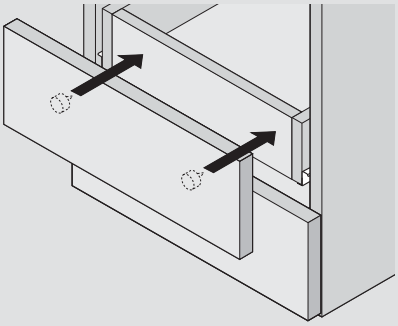
Part no. 65.2950.10

Using the drawer front adjuster and marking guage

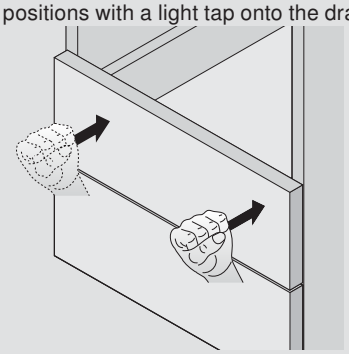
1 Bore for front adjusters. Insert marking gauges into drawer front.



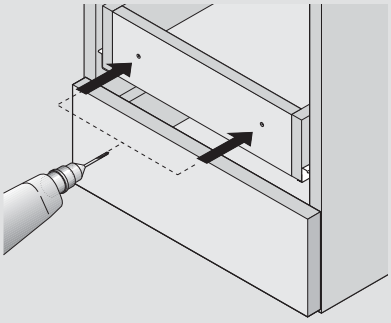
2 Align the drawer front to make marks in the drawer box.



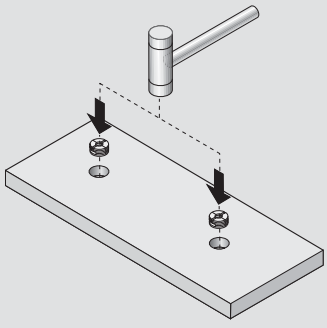
3 Mark fixing positions with a light tap onto the drawer front.



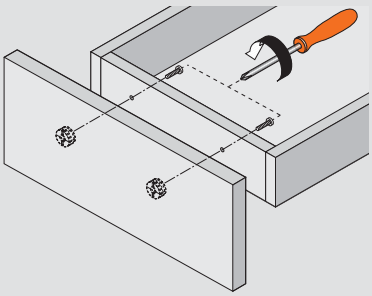
4 Drill Ø**5** (3/16") holes through the drawer box.



5 Insert drawer front adjusters manually or with a MINIPRESS insertion ram.



6 Install and adjust drawer front.



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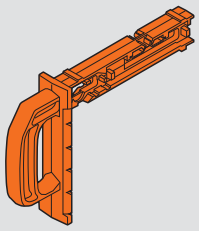
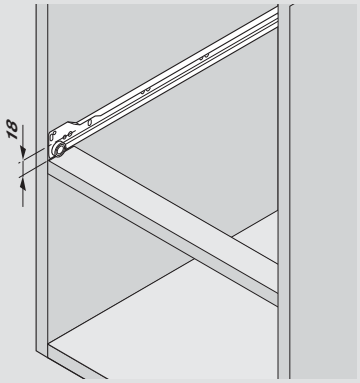
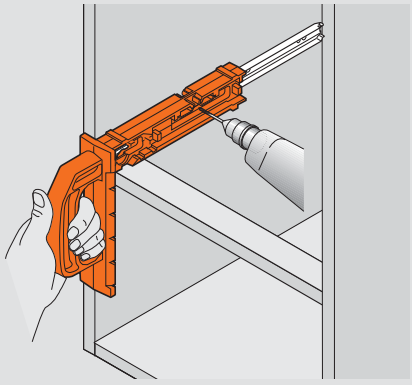
MINIFIX

- For precise positioning of cabinet profile fixing screws
- For 230M runners







Part no.

65.3300

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Why Choose Blum

Blum, Inc. is a leading manufacturer of functional hardware for the kitchen cabinet and commercial casework industries specializing in lift systems, concealed hinges and drawer runner systems. Virtually all of the hardware needed to assemble and make cabinets functional is available within the wide range of quality Blum products. Blum supports the U.S. market with a network of more than 150 dependable distributors, 50+ 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.

ISO 9001
Certified Quality System

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.

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7733 Old Plank Rd.
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