



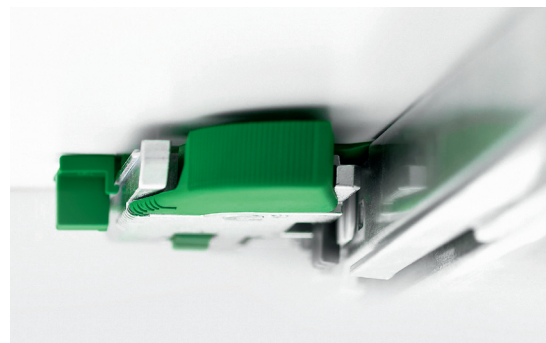
DYNAPRO

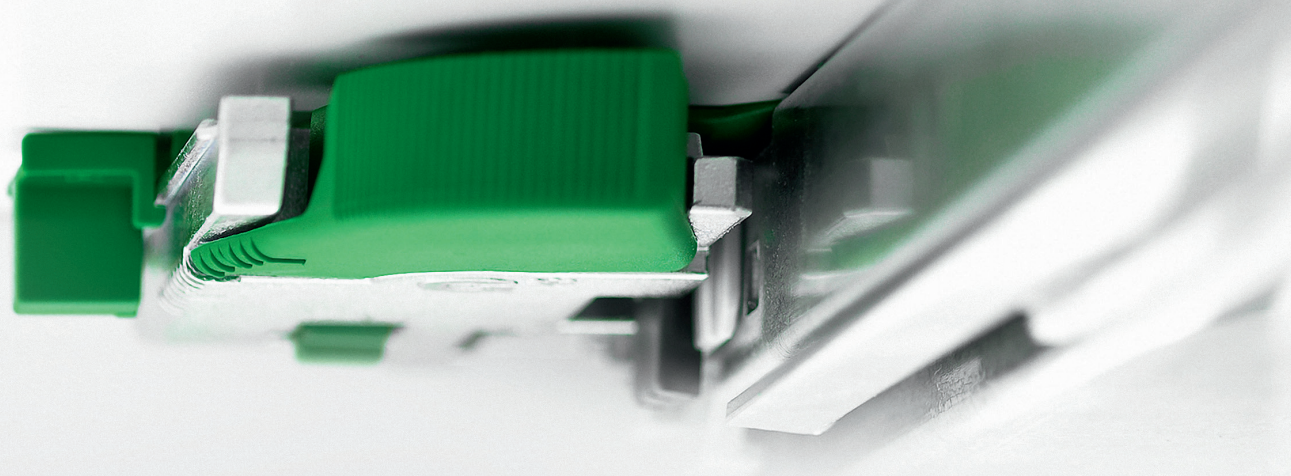


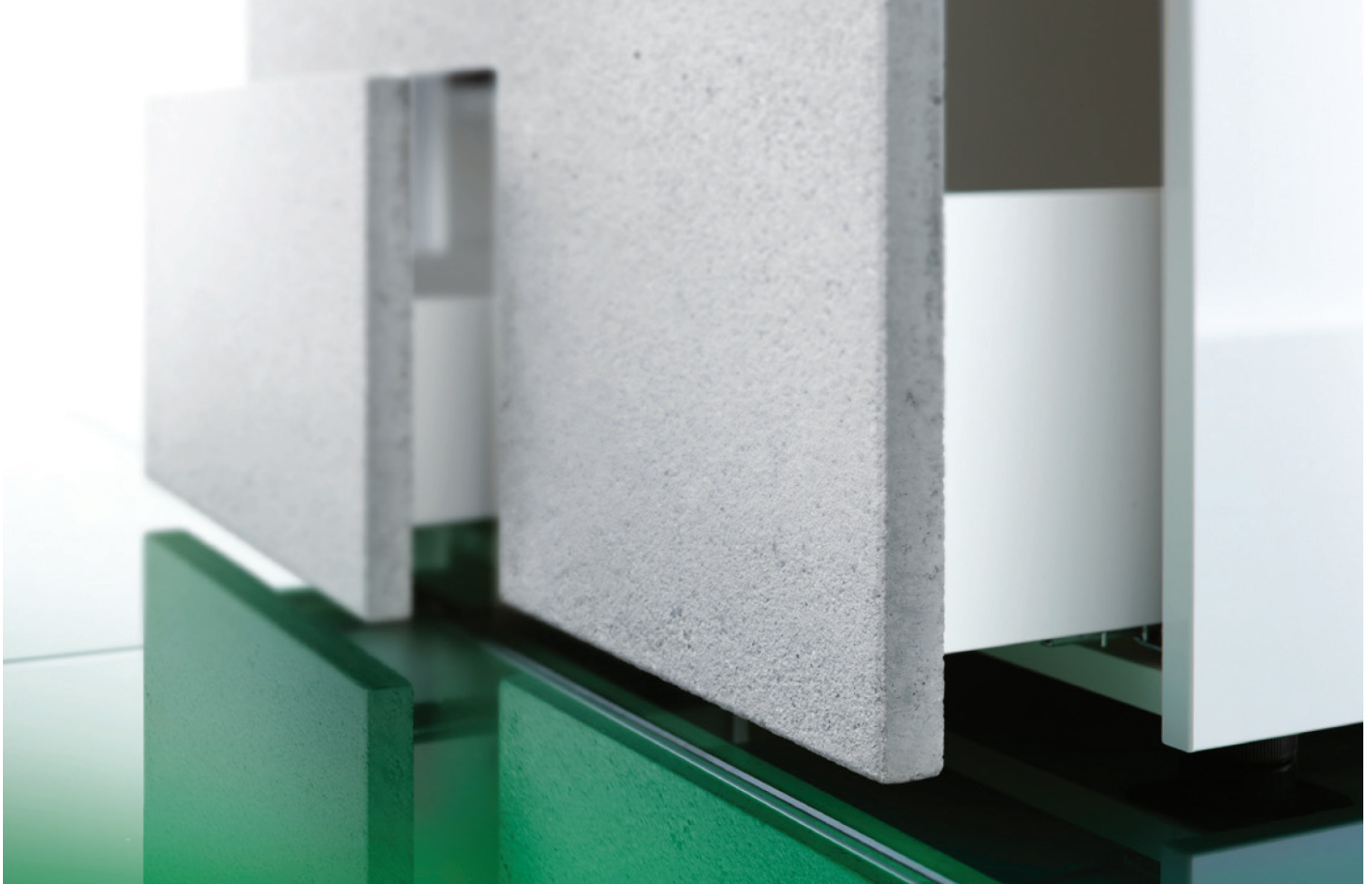
G*GRASS®

DYNAPRO SLIDE SYSTEM

Synchronized full extension concealed undermount slides.
Elegant, comfortable, and precision engineered.







To create a product innovation is one thing.
To establish it is quite another. To successfully
develop product innovations – that is our business.
Dynapro proves that.

Just a slight pull is all you need.

With a drawer slide as technically advanced as the Dynapro, you will find many enhanced features. One example is the ease in which the Dynapro pulls open – and naturally the closing action is just as sophisticated with the Grass Soft-close system.



DYNAPRO SLIDE SYSTEM

Efficient. Effective. Concealed.

Dynapro undermount slides for wood drawers and Vionaro drawers combine intelligent features plus superb gliding action for today's modern cabinetry.



Synchronization achieves smooth operation without a sound.

In contrast to conventional undermount slide systems, Dynapro is the first slide that features a synchronization mechanism. The mechanical synchronization of each individual slide ensures enhanced comfort and movement without annoying sounds or resistance. The operating function of Dynapro remains unchanged even when moving heavy loads. Loads of up to 132 lb present no problem for Dynapro. Abrasion-resistant nylon rollers ensure smooth and even operation. Available for 16mm drawer material or 19mm drawer material.



4D adjustment for perfect alignment: height, side, depth, and tilt adjustment

Dynapro undermount slides offer a variety of Front Locking Devices to provide two, three, or four-dimensional adjustments. The drawer can be adjusted side-to-side, height, depth, and tilt. With the option of 4-dimensional adjustment, precise alignment of the drawer fronts is extremely easy. All of the adjustments are simple operations and easily performed without the use of tools. With the Dynapro adjustments, a few tweaks achieve perfect alignment.



The Vionaro drawer system combines with Dynapro to achieve perfect form.

With the introduction of the Vionaro drawer system, Dynapro becomes a multifunctional system for wood drawers and metal drawers. The Vionaro slim line metal drawer sides rest on top of the Dynapro concealed slide system offering the next step in drawer technology. Two drawer types using the same concealed undermount slide with outstanding running performance, a high load carrying capacity and a low pull-out force.



Three options for closing comfort.

Dynapro now features a liquid damper soft-close technology for an even smoother closing action. Soft-close gently slows the drawers and pulls them to the fully closed position. Tipmatic is a touch activated mechanism that makes it possible to open drawers with a gentle push on the drawer front. With the addition of Sensomatic, the electronic opening system, it becomes possible to create large, handle-free drawers that open with a gentle push on the front and close as smoothly as ever with another gentle push.

Table of Content

	Description	Adjustment	Page
	Features & Benefits		6
	Technical Information		8
	Dynapro 16 with Optional 3-Dimensional Adjustment • Face frame or frameless • Integrated Soft-close, full extension • For 5/8" (16mm) material	• Height adjustment (max +3.5mm) • Side adjustment (max ±1.5mm) • Depth adjustment (max 3.0mm forward)	14
	Dynapro 16 with Optional 4-Dimensional Adjustment • Face frame or frameless • With tilt adjustment • Integrated Soft-close, full extension • For 5/8" (16mm) material	• Height adjustment (max +3.5mm) • Side adjustment (max ±1.5mm) • Tilt adjustment (max ±4.0mm) • Depth adjustment (max 3.0mm forward)	18
	Dynapro 16 Frameless Heavy Duty with Optional 4-Dimensional Adjustment • 3-dimensional with tilt adjustment • Extended lengths • Integrated Soft-close, full extension • For 5/8" (16mm) material	• Height adjustment (max +3.5mm) • Side adjustment (max ±1.5mm) • Tilt adjustment (max ±4.0mm) • Depth adjustment (max 3.0mm forward)	22
	Dynapro 16 Tipmatic • Integrated Tipmatic • For drawers without pulls • Full extension	• Height adjustment (max +3.5mm)	24
	Dynapro 19 with Optional 3-Dimensional Adjustment • Face frame or frameless • Integrated Soft-close, full extension • For 3/4" (19mm) material	• Height adjustment (max +3.5mm) • Side adjustment (max ±1.5mm) • Depth adjustment (max 3.0mm forward)	26
	Dynapro 19 with Optional 4-Dimensional Adjustment • Face frame or frameless • With tilt adjustment • Integrated Soft-close, full extension • For 3/4" (19mm) material	• Height adjustment (max +3.5mm) • Side adjustment (max ±1.5mm) • Tilt adjustment (max ±4.0mm) • Depth adjustment (max 3.0mm forward)	30
	Dynapro 19 Frameless Heavy Duty with Optional 4-Dimensional Adjustment • 3-dimensional with tilt adjustment • Extended lengths • Integrated Soft-close, full extension • For 3/4" (19mm) material	• Height adjustment (max +3.5mm) • Side adjustment (max ±1.5mm) • Tilt adjustment (max ±4.0mm) • Depth adjustment (max 3.0mm forward)	34
	Accessories		36
	Sensomatic • Automatic drawer opening		38

Features and Benefits

Dynapro

Features



- Synchronization for smooth, silent operation
- Slide is concealed to give a full view of finely crafted drawers
- Self-latching front locking devices have comfortable release levers for drawer removal
- For drawer material thickness: 12.7mm (1/2") to 16mm (5/8") and 16mm (5/8") to 19mm (3/4")
- Support roller for uniform drawer front height
- Fully enclosed liquid damper softly glides drawers to a stop
- 2D, 3D, and 4D adjustment - height, side, depth, and tilt - is simple, tool free, and easily accessible
- Easy to open with a low pull-out force
- Wide drawer member provides stability between cabinet and drawer member
- Meet and exceeds ANSI/BHMA A156.9 standards, Grade 1

Multiple cleats

connect immediately with front locking device at installation for maximum connection between the drawer slide and front locking device.



Dynapro's synchronization allows drawers to move quietly and without any resistance. Even under a load capacity of up to 132 lb the exceptional running performance remains unchanged.

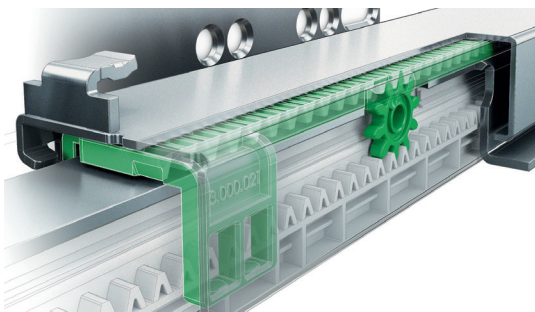
Features

- Wear resistant nylon rollers ensure quiet and precise running characteristics
- Synchronized full extension
- Face frame and frameless applications
- 88 lb dynamic load for Dynapro Standard
- 110 lb dynamic load for Dynapro Extended lengths
- 132 lb dynamic load for Dynapro Heavy Duty
- Minimal drawer front gap using the integrated 2D adjustment
- Extended lengths for 24", 27", and 30" drawers
- Interchangeable with Elite Plus and Maxcess



8mm liquid damper
offers new closing technology.

Abrasion resistant nylon rollers
ensure smooth and even operation.



Synchronization
for smooth, silent operation, excellent running performance.

Sensomatic
for handle-free drawers (Page 38)



Technical Information

Dynapro

2D and 3D Front Locking Device with Height, Side, and Depth Adjustment

3D Locking Devices

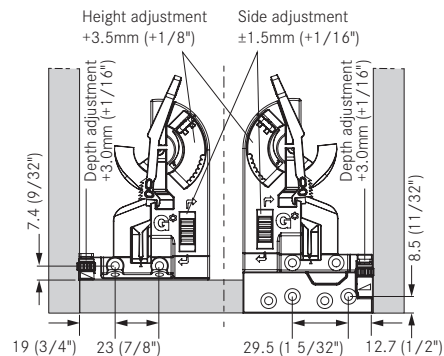


- Provides 2D or 3D adjustment for drawers
- For standard width drawers
- For standard width inset drawers
- Minimum inside drawer width 150mm (5 7/8")
- Lightweight, high strength material
- Height adjustment range: +3.5mm
- Side adjustment range: $\pm 1.5\text{mm}$
- Depth adjustment range: +3.0mm forward adjustment (3D version only)
- Optional depth adjuster available for 2D version

Pre-drilling recommended $\varnothing 2.5\text{mm}$ (3/32")

Patent Pending

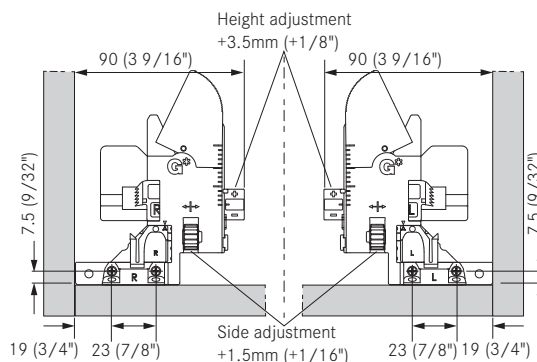
2D Locking Devices



Front Locking Device with Height and Side Adjustment

- Provides 2D adjustment for drawers
- For standard width drawers
- For standard width inset drawers
- Minimum inside drawer width 180mm (7 3/32")
- Height adjustment range: +3.5mm
- Side adjustment range: max $\pm 1.5\text{mm}$

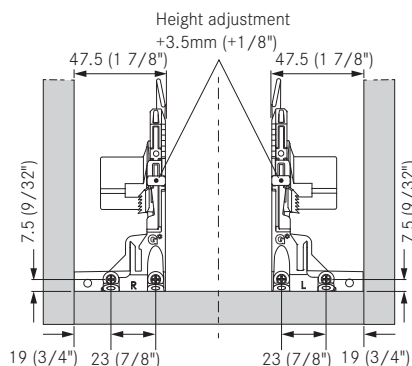
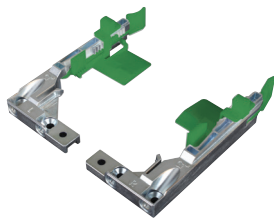
Pre-drilling recommended $\varnothing 2.5\text{mm}$ (3/32")



Narrow Front Locking Device with Height Adjustment

- Provides height adjustment for drawers
- For narrow and standard width drawers
- For narrow and standard width inset drawers
- Minimum inside drawer width 95mm (3 3/4")
- Height adjustment range: +3.5mm

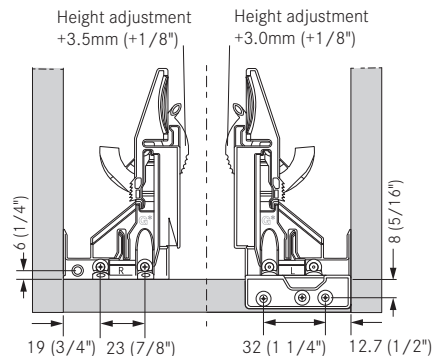
Pre-drilling recommended $\varnothing 2.5\text{mm}$ (3/32")



Eco Front Locking Device with Height Adjustment

- Provides height adjustment for drawers
- For standard width drawers
- For standard width inset drawers
- Minimum inside drawer width 150mm (5 7/8")
- Height adjustment range: +3.5mm (3.0 with flange)

Pre-drilling recommended $\varnothing 2.5\text{mm}$ (3/32")

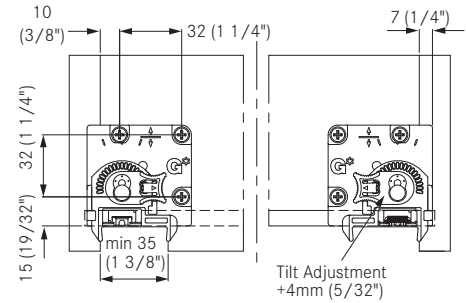


Tilt Adjustment Adapter



- Provides tilt adjustment for Dynapro, Dynapro heavy duty, and Dynapro extended lengths
- Tilt adjustment range: +4mm (5/32")
- For frameless or face frame application

Pre-drilling recommended Ø2.5mm (3/32")
Patent Pending



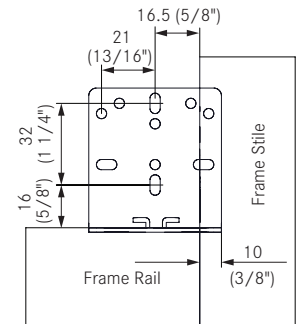
Rear Mounting Brackets

Rear Mounting Bracket for 12" - 21" Slides



- For 12" - 21" drawers
- For face frame application

Pre-drilling recommended Ø2.5mm (3/32")

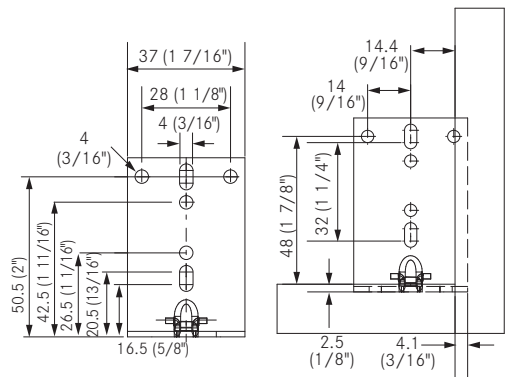


Narrow Rear Mounting Bracket for 12" - 21" Slides

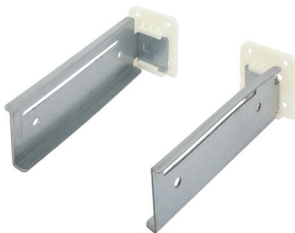


- For 12" - 21" drawers
- For face frame application

Pre-drilling recommended Ø2.5mm (3/32")

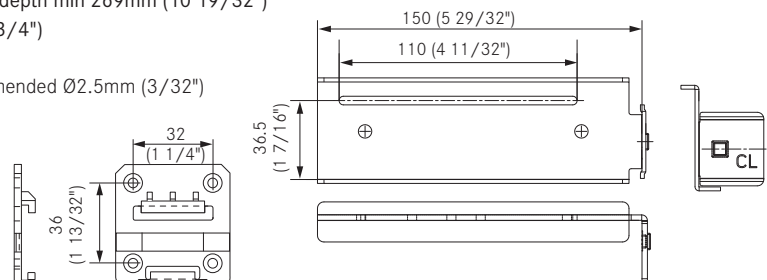


Rear Mounting Socket for 9" Slides



- For 9" drawer
- For face frame application
- For installation depth min 269mm (10 19/32") to 299mm (11 3/4")

Pre-drilling recommended Ø2.5mm (3/32")



Technical Information

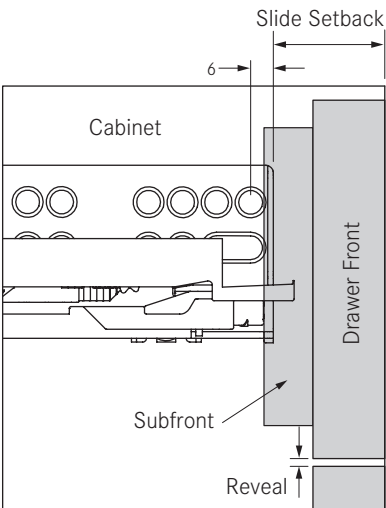
Inset drawer applications



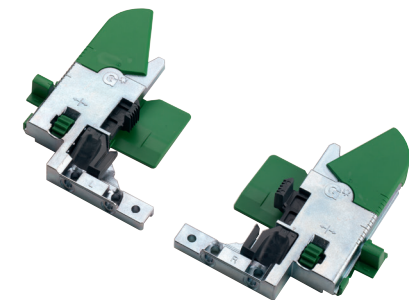
- For inset drawer application with subfronts
- For face frame and frameless applications
- Use corresponding charts based on front locking device to determine slide setback

IMPORTANT

To determine the correct application Grass strongly recommends a trial mounting for all slides.



Front Locking Device

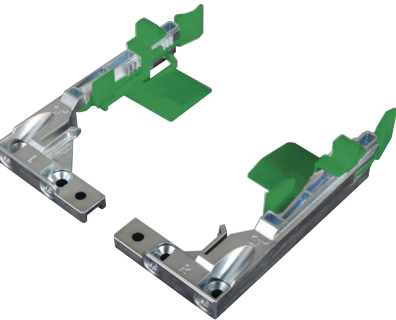


		Drawer Front Thickness				
		12.7	16	19	22	
		1/2"	5/8"	3/4"	7/8"	
Subfront Thickness	19	3/4"	18.5	21.5	24.5	27.5
	16	5/8"	16	19	22	25
	12.7	1/2"	16	19	22	25
			Slide Setback			

Slide Setback = Drawer Front + 3mm (For Subfront 12,13,14,15,16)

Slide Setback = Drawer Front + Subfront - 13.5mm (For Subfront 17,18,19)

Narrow Front Locking Device

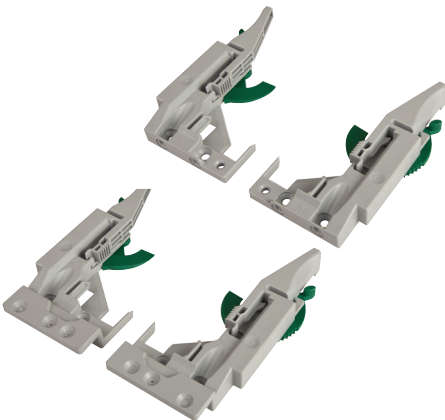


		Drawer Front Thickness				
		12.7	16	19	22	
		1/2"	5/8"	3/4"	7/8"	
Subfront Thickness	19	3/4"	18.5	21.5	24.5	27.5
	16	5/8"	16	19	22	25
	12.7	1/2"	16	19	22	25
			Slide Setback			

Slide Setback = Drawer Front + 3mm (For Subfront 12,13,14,15,16)

Slide Setback = Drawer Front + Subfront - 13.5mm (For Subfront 17,18,19)

Eco Front Locking Devices



			Drawer Front Thickness			
			12.7	16	19	22
			1/2"	5/8"	3/4"	7/8"
Subfront Thickness	19	3/4"	18.5	21.5	24.5	27.5
	16	5/8"	16	19	22	25
	12.7	1/2"	16	19	22	25
			Slide Setback			

Slide Setback = Drawer Front + 3mm (For Subfront 12,13,14,15,16)

Slide Setback = Drawer Front + Subfront - 13.5mm (For Subfront 17,18,19)

Slide Setback for 2D and 3D Front Locking Devices

3D Flanged Front Locking Device



		Drawer Front Thickness				
		12.7	16	19	22	
		1/2"	5/8"	3/4"	7/8"	
Subfront Thickness	19	3/4"	18.5	21.5	24.5	27.5
	16	5/8"	18.5	21.5	24.5	27.5
	12.7	1/2"	18.5	21.5	24.5	27.5
			Slide Setback			

Slide setback for Inset application based on depth adjuster fully retracted

Slide Setback = Drawer Front + 5.5mm (Based on depth adjuster fully retracted)

3D Front Locking Device



		Drawer Front Thickness				
		12.7	16	19	22	
		1/2"	5/8"	3/4"	7/8"	
Subfront Thickness	19	3/4"	22.7	25.7	28.7	31.7
	16	5/8"	19.7	22.7	25.7	28.7
	12.7	1/2"	15.7	18.7	21.7	24.7
			Slide Setback			

Slide setback for Inset application based on depth adjuster fully retracted

Slide Setback = Drawer Front + Subfront - 9.3mm (Based on depth adjuster fully retracted)

2D Flanged Front Locking Device



		Drawer Front Thickness				
		12.7	16	19	22	
		1/2"	5/8"	3/4"	7/8"	
Subfront Thickness	19	3/4"	18.5	21.5	24.5	27.5
	16	5/8"	18.5	21.5	24.5	27.5
	12.7	1/2"	18.5	21.5	24.5	27.5
			Slide Setback			

Slide Setback = Drawer Front + 5.5mm

2D Front Locking Device



		Drawer Front Thickness				
		12.7	16	19	22	
		1/2"	5/8"	3/4"	7/8"	
Subfront Thickness	19	3/4"	18.5	21.5	24.5	27.5
	16	5/8"	16	19	22	25
	12.7	1/2"	16	19	22	25
			Slide Setback			

Slide Setback = Drawer Front + 3mm (For Subfront 12,13,14,15,16)

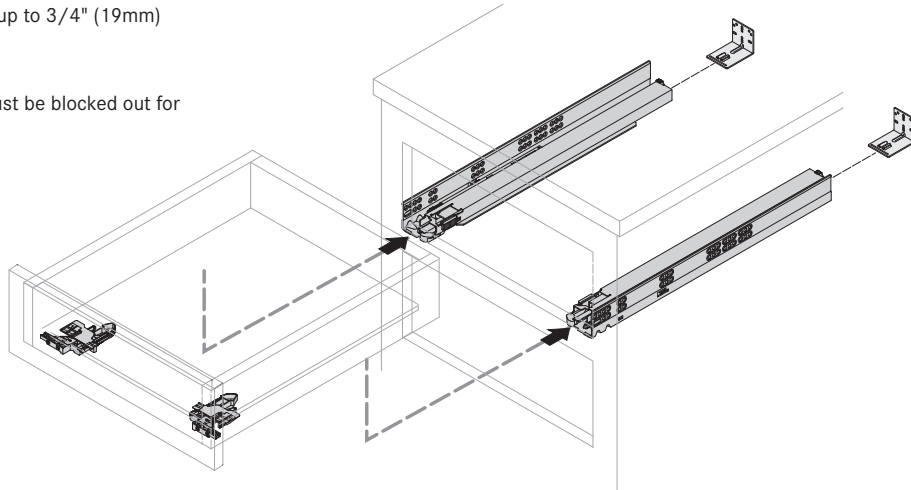
Slide Setback = Drawer Front + Subfront - 13.5mm (For Subfront 17,18,19)

Technical Information

Dynapro

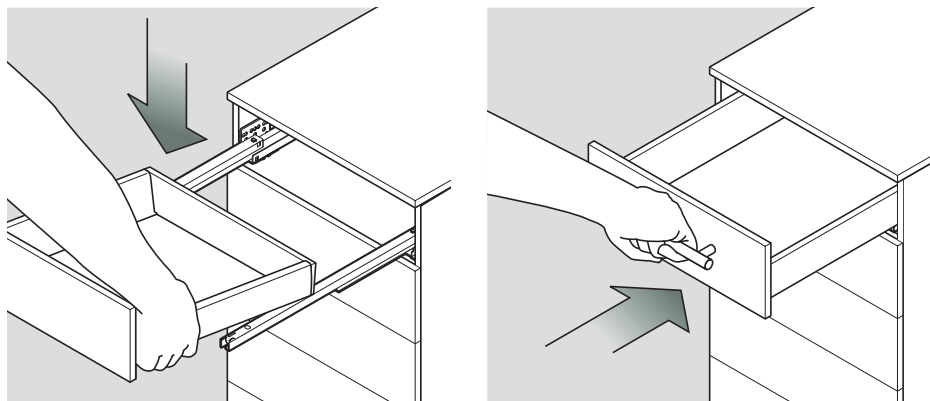
Dynapro Application

- For drawer material from 1/2" (12.5mm) up to 3/4" (19mm)
- For frameless or face frame application
- Use rear socket for face frame application
- Heavy duty and extended length slides must be blocked out for face frame application



Inserting the Drawer

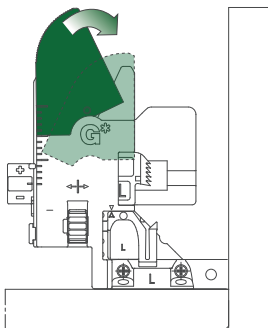
Place drawer on extended Dynapro slide and push in until it engages audibly



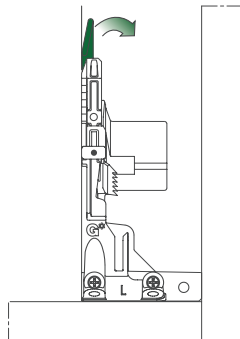
Disengaging the Drawer

Pull the drawer out, squeeze the locking device levers and lift drawer from the slide.

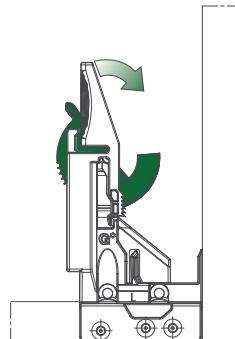
Front Locking Device



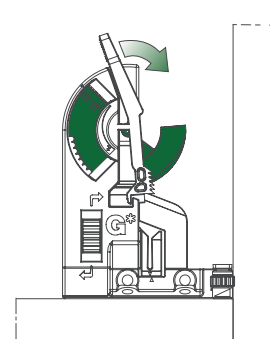
Narrow Front Locking Device



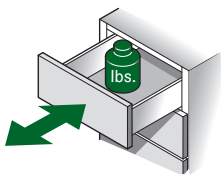
Eco Front Locking Device



2D/3D Front Locking Devices



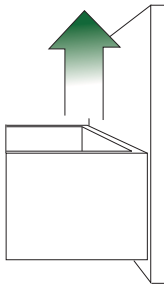
Weight Capacities per Pair of Slides



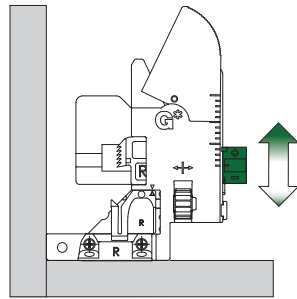
Dynapro and Tipmatic: 88 lb dynamic load rating, 100 lb static load rating
Dynapro Heavy Duty: 132 lb dynamic load rating, 150 lb static load rating
Dynapro Extended Lengths: 110 lb dynamic load rating, 125 lb static load rating

Dynapro meets and exceeds the minimum requirements of ANSI/BHMA A156.9 Standard, Grade 1

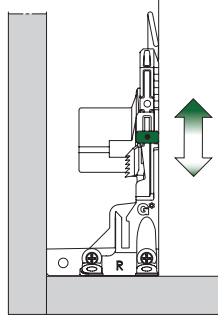
Height Adjustment (max +3.5mm)



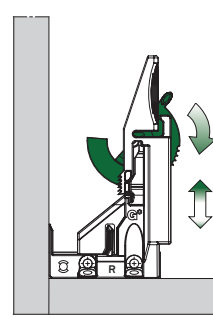
Front Locking Device



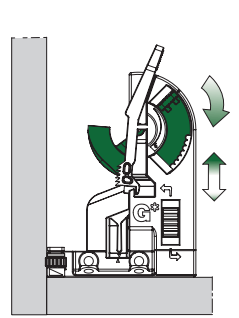
Narrow Front Locking Device



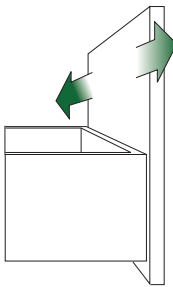
Eco Front Locking Device



2D/3D Front Locking Devices



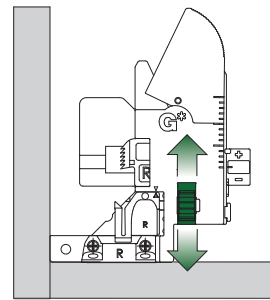
Side Adjustment (max ± 1.5 mm)



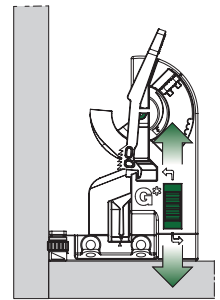
1. Adjust both wheels in the same direction

- For 3-D application only:
2. Disengage drawer
 3. Re-attach drawer

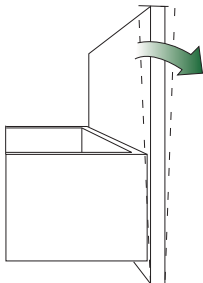
Front Locking Device



2D/3D Front Locking Devices

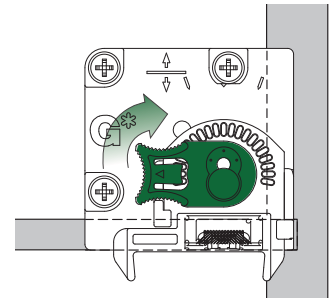


Tilt Adjustment (max +4.0mm)



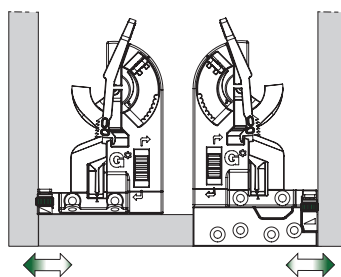
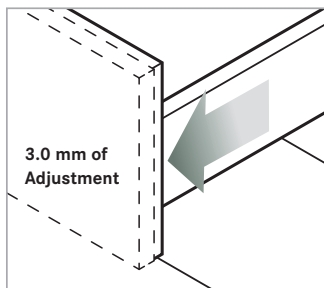
- For 3-D application only:

1. Adjust both levers in opposite directions
2. Disengage drawer
3. Re-attach drawer



Depth Adjustment with 2D/3D Front Locking Device (3.0mm forward)

Dynapro Heavy Duty & Extended Length(+4.5mm forward)



Removal & Insertion

For heavy duty & extended length application only:

1. Press in on tab with screwdriver. Rotate and remove fitting.
2. Insert depth fitting and rotate to lock. Fitting tab snaps into place.

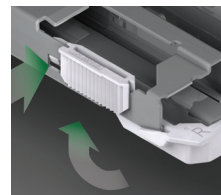
Adjustment

Adjust left and right adjustment screws simultaneously in opposite directions

Removal

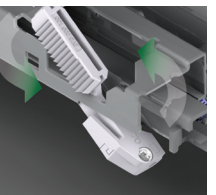
Screwdriver is required for removal of the standard fitting.

①

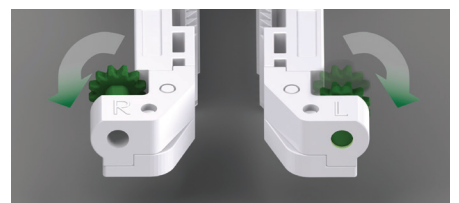


Insertion

②



Adjustment



Dynapro 16, Full Extension Slide

Integrated Soft-close with optional 3-dimensional adjustment for 5/8" (16mm) drawer material

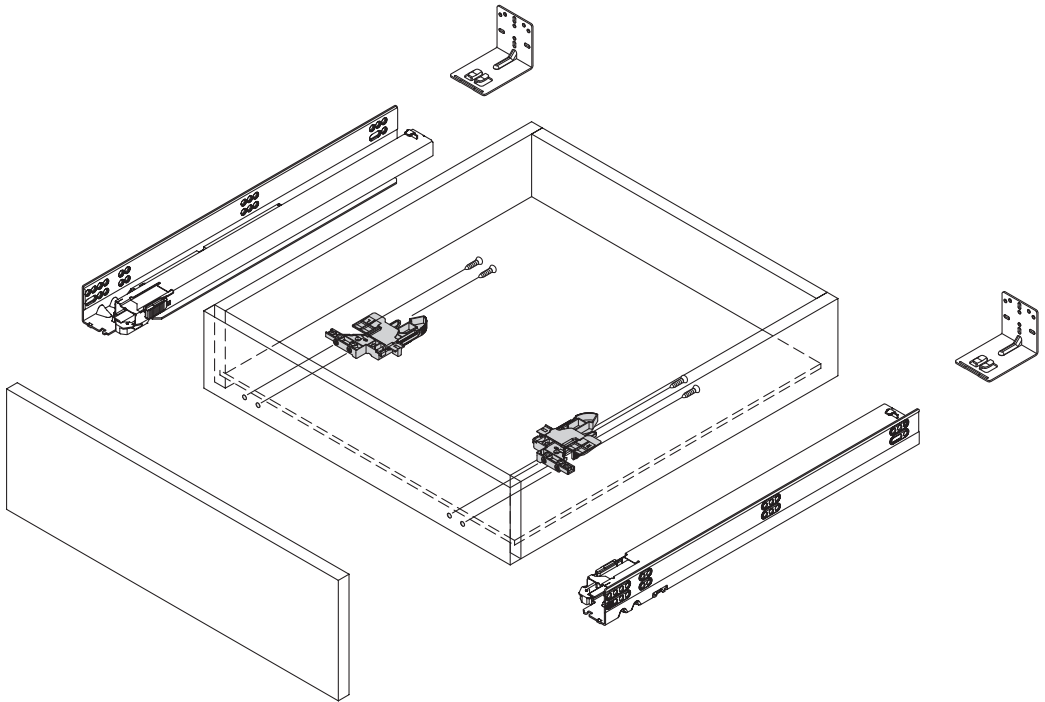


- Face frame or frameless applications from 1/2" (12.7mm) up to 5/8" (16mm) drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.5mm with suitable front locking device
- Side adjustment ±1.5mm with suitable front locking device
- Depth adjustment +3.0mm forward with suitable front locking device
- 88 lb load rating (40 kg)

Dynapro 16 Full Extension Slide, 88 lb (40 kg)

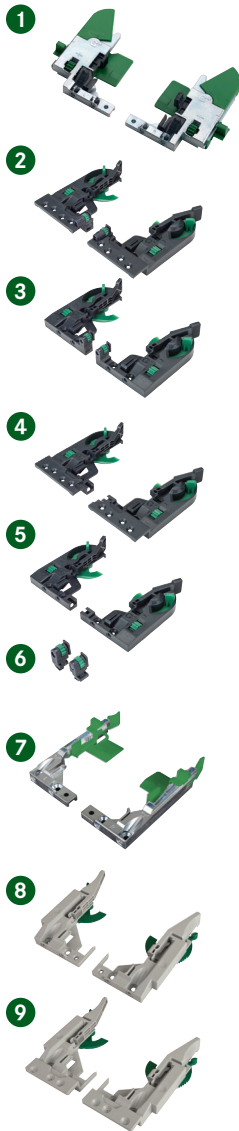


Drawer Length	Nominal Length	Min Installation Depth	Max Installation Depth	Item No.	PU
229 (9")	262 (10 5/16")	266 (10 15/32")	299 (11 3/4")	F130135013204	5
305 (12")	323 (12 23/32")	327 (12 7/8")	370 (14 9/16")	F130135014204	5
381 (15")	399 (15 23/32")	403 (15 7/8")	446 (17 9/16")	F130135015204	5
457 (18")	475 (18 11/16")	479 (18 27/32")	522 (20 9/16")	F130135016204U	5
533 (21")	551 (21 11/16")	555 (21 27/32")	598 (23 17/32")	F130135019204U	5



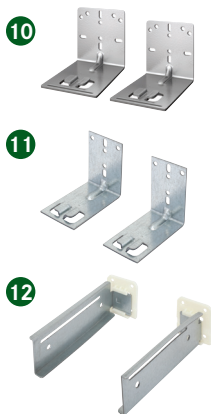
PU - Packaging unit

Front Locking Devices



Description	Adjustments	Item No.	PU
(Must order separately)			
1 Front locking device, left	height, side	F134125000 633	200
Front locking device, right	height, side	F134125001 633	200
Front locking device, set	height, side	F134101400 104	5
2 3D Flanged front locking device, left	height, side, depth	F134108942 233	200
3D Flanged front locking device, right	height, side, depth	F134108943 233	200
3 3D Front locking device, left	height, side, depth	F134108947 233	200
3D Front locking device, right	height, side, depth	F134108948 233	200
4 2D Flanged front locking device, left	height, side	F134108944 233	200
2D Flanged front locking device, right	height, side	F134108945 233	200
5 2D Front locking device, left	height, side	F134108950 233	200
2D Front locking device, right	height, side	F134108951 233	200
6 Depth adjustment set for non-flanged 2D, left & right		F134108960 533	5
7 Narrow front locking device, left	height	F134100699 233	200
Narrow front locking device, right	height	F134100700 233	200
8 Eco front locking device, left	height	F134101221 233	200
Eco front locking device, right	height	F134101222 233	200
Eco front locking device, set	height	F134101220 517	5
9 Eco flanged front locking device, left	height	F134116420 233	200
Eco flanged front locking device, right	height	F134116421 233	200
Eco flanged front locking device, set	height	F134116422 204	5

Rear Mounting Brackets and Adjustment Adapter

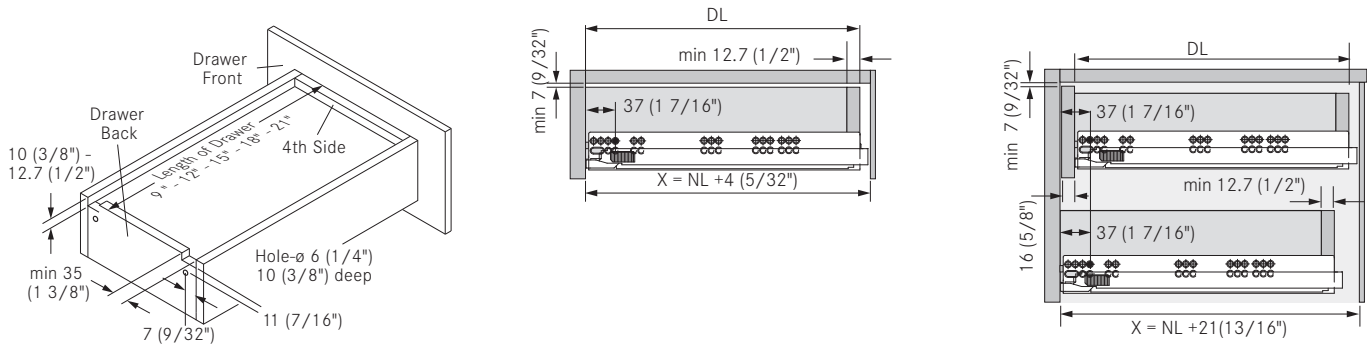


Description	Item No.	PU
(Must order separately)		
10 Rear mounting brackets, non-handed for 12"-21" slides, each	7950.VE20	20
	7950.VE300	300
11 Narrow rear mounting brackets, non-handed for 12"-21" slides, each	7951.VE300	300
12 Rear mounting bracket for 9" slides, set	00433-37	5
Set Includes: left and right bracket, (4) #M5 x 8 screw		

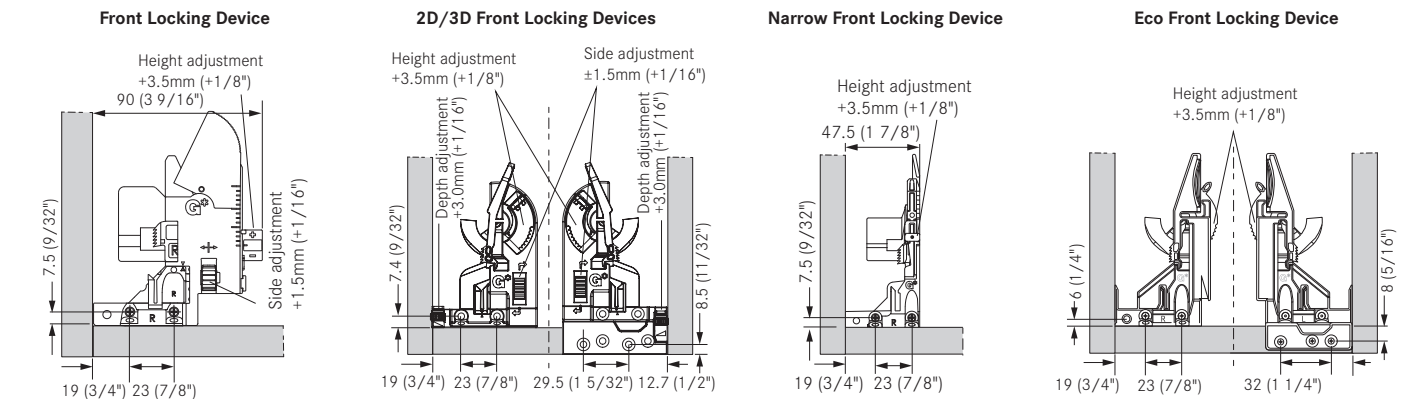
Dynapro 16, Full Extension Slide

Integrated Soft-close with optional 3-dimensional adjustment for 5/8" (16mm) drawer material

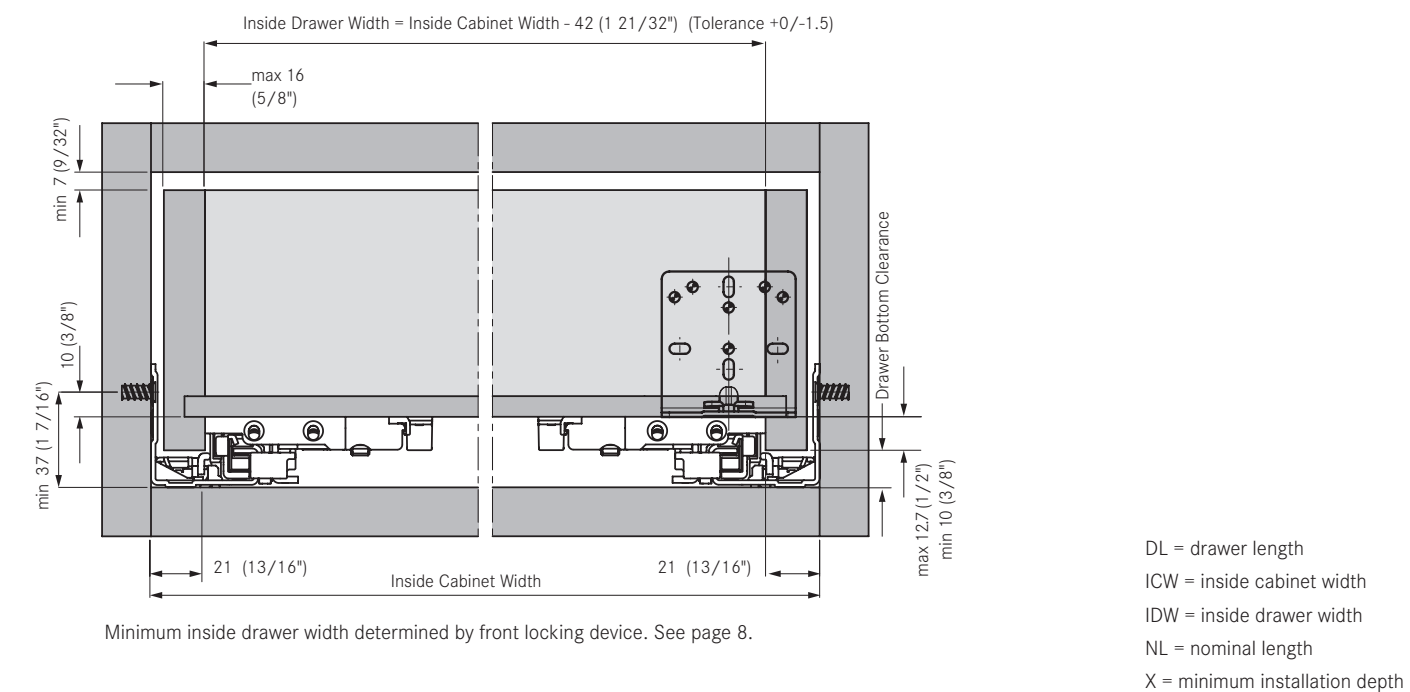
Drawer Measurements



Front Locking Device Installation



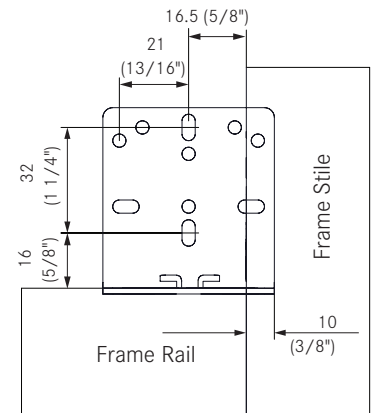
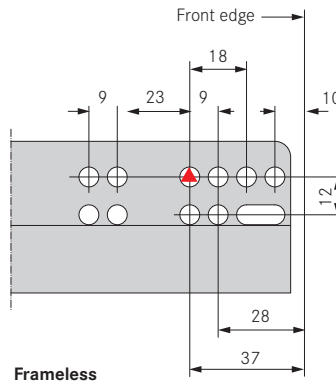
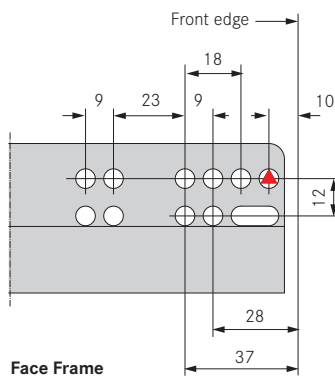
Drawer Installation Dimensions



Drawer Material Thickness	16mm (5/8")
Dynamic Load	88 lb (40 kg)
Static Load	100 lb (45 kg)

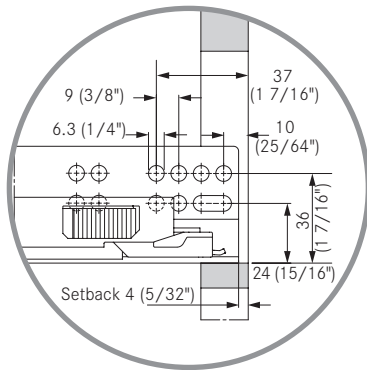
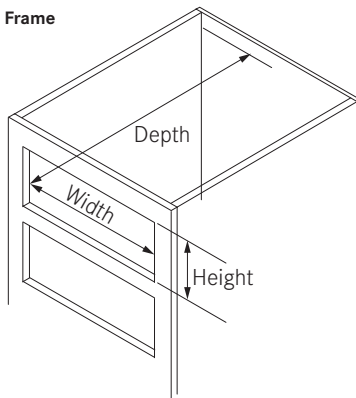
Mounting Position for Front Cabinet Profile

Rear Bracket for Face Frame

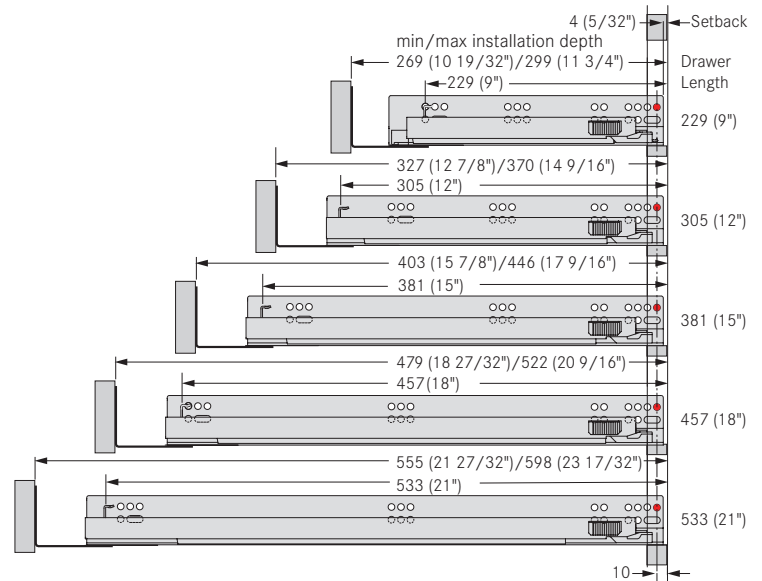
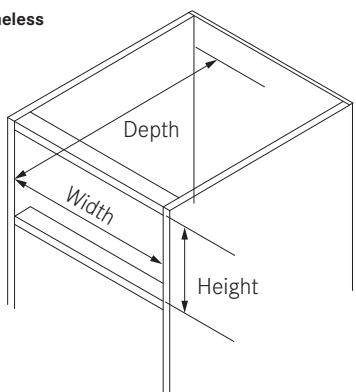


Cabinet Boring Specifications

Face Frame

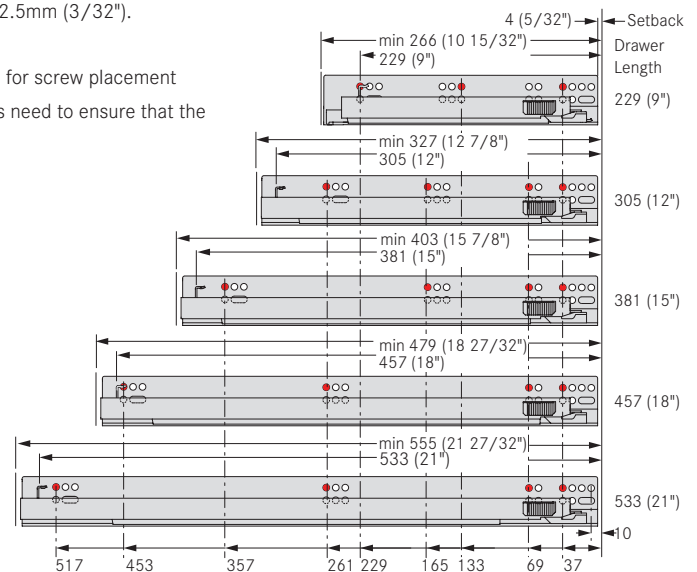


Frameless



Pre-drilling recommended $\varnothing 2.5\text{mm}$ (3/32").

Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.



Dynapro 16, Full Extension Slide

Integrated Soft-close with optional 4-dimensional adjustment for 5/8" (16mm) drawer material

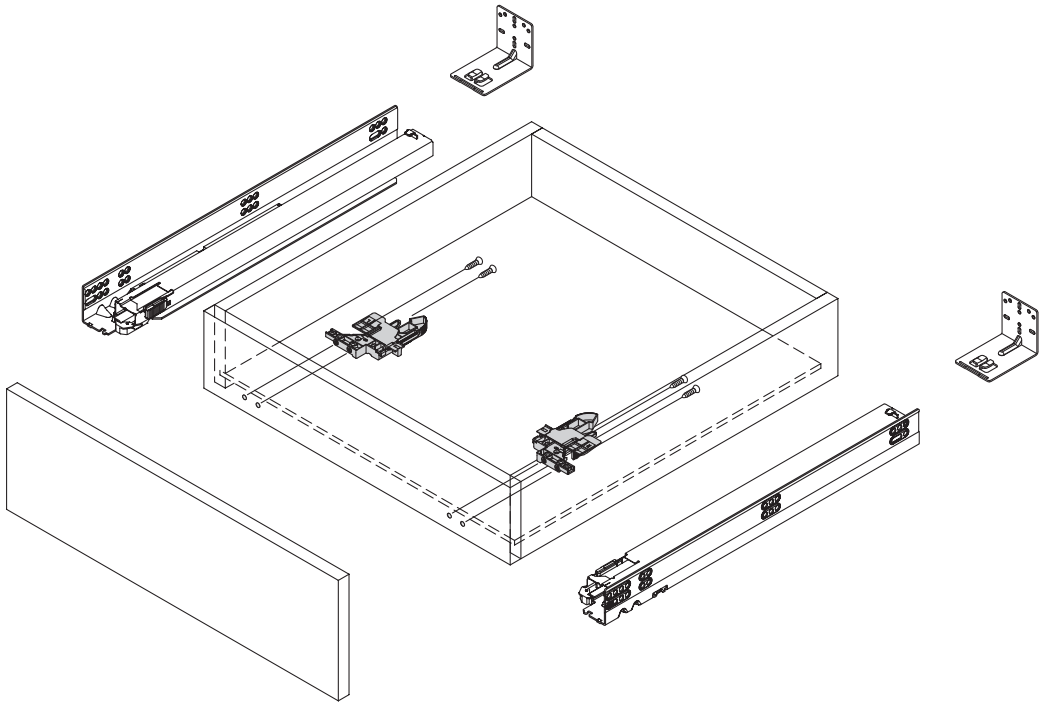


- Face frame or frameless applications from 1/2" (12.7mm) up to 5/8" (16mm) drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.5mm with suitable front locking device
- Side adjustment ±1.5mm with suitable front locking device
- Tilt adjustment +4.0mm
- Depth adjustment +3.0mm forward with suitable front locking device
- 88 lb load rating (40 kg)

Dynapro 16 Full Extension Slide, 88 lb (40 kg)

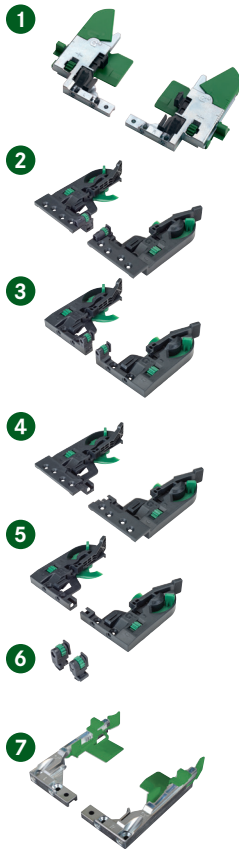


Drawer Length	Nominal Length	Min Installation Depth	Max Installation Depth	Item No.	PU
229 (9")	262 (10 5/16")	266 (10 15/32")	299 (11 3/4")	F130135003 204	5
305 (12")	323 (12 23/32")	327 (12 7/8")	370 (14 9/16")	F130135004 204	5
381 (15")	399 (15 23/32")	403 (15 7/8")	446 (17 9/16")	F130135005 204	5
457 (18")	475 (18 11/16")	479 (18 27/32")	522 (20 9/16")	F130135006 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	598 (23 17/32")	F130135007 204	5



PU - Packaging unit

Front Locking Devices



Description	Adjustments	Item No.	PU
(Must order separately)			
1 Front locking device, left	height, side	F134125000633	200
Front locking device, right	height, side	F134125001633	200
Front locking device, set	height, side	F134101400104	5
2 3D Flanged front locking device, left	height, side, depth	F134108942233	200
3D Flanged front locking device, right	height, side, depth	F134108943233	200
3 3D Front locking device, left	height, side, depth	F134108947233	200
3D Front locking device, right	height, side, depth	F134108948233	200
4 2D Flanged front locking device, left	height, side	F134108944233	200
2D Flanged front locking device, right	height, side	F134108945233	200
5 2D Front locking device, left	height, side	F134108950233	200
2D Front locking device, right	height, side	F134108951233	200
6 Depth adjustment set for non-flanged 2D, left & right		F134108960533	5
7 Narrow front locking device, left	height	F134100699233	200
Narrow front locking device, right	height	F134100700233	200

Rear Mounting Brackets and Adjustment Adapters

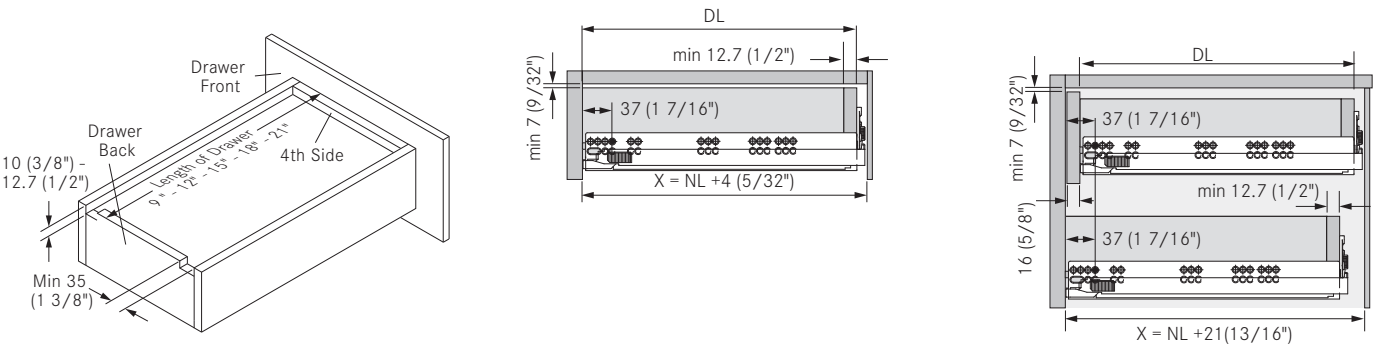


Description	Item No.	PU
(Must order separately)		
8 Rear mounting brackets, non-handed for 12"-21" slides, each	7950.VE20	20
	7950.VE300	300
9 Narrow rear mounting brackets, non-handed for 12"-21" slides, each	7951.VE300	300
10 Rear mounting bracket for 9" slides, set	00433-37	5
Set Includes: left and right socket, (4) #M5 x 8 screw		
11 Tilt adjustment adapter, left	F134125002233	200
Tilt adjustment adapter, right	F134125003233	200
12 Front locking device and adjustment adapter set	F134125074517	1
Set Includes: Front locking device set and tilt adjustment adapter set		

Dynapro 16, Full Extension Slide

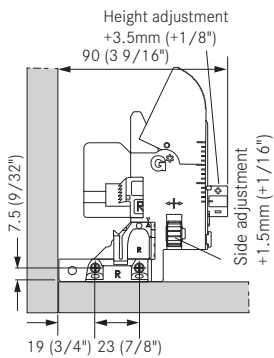
Integrated Soft-close with optional 4-dimensional adjustment for 5/8" (16mm) drawer material

Drawer Measurements

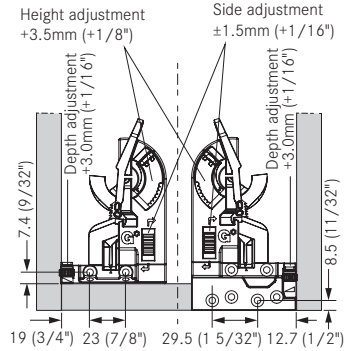


Front Locking Device Installation

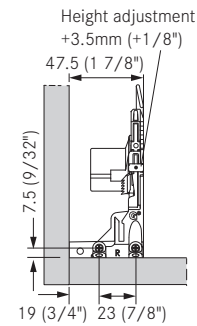
Front Locking Device



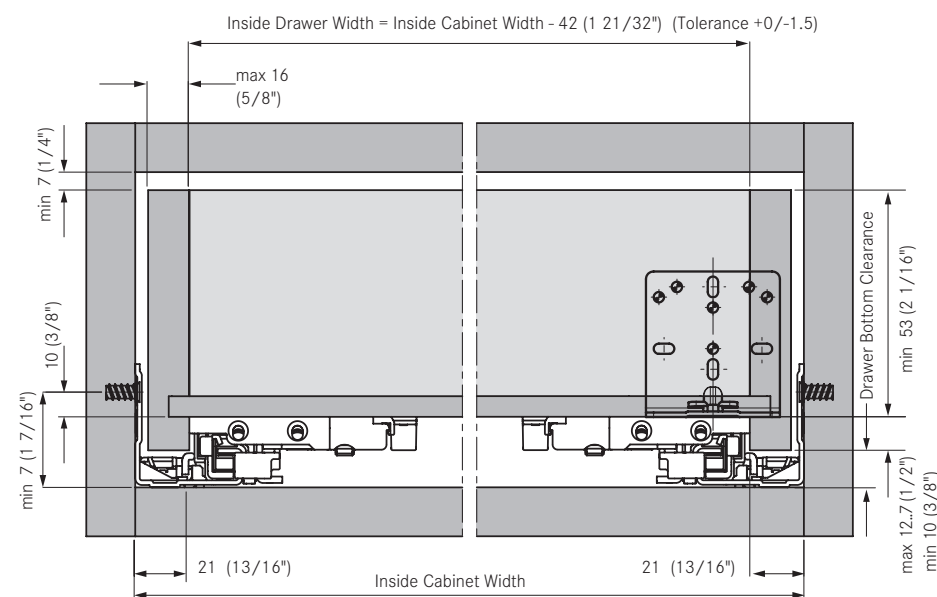
2D/3D Front Locking Devices



Narrow Front Locking Device

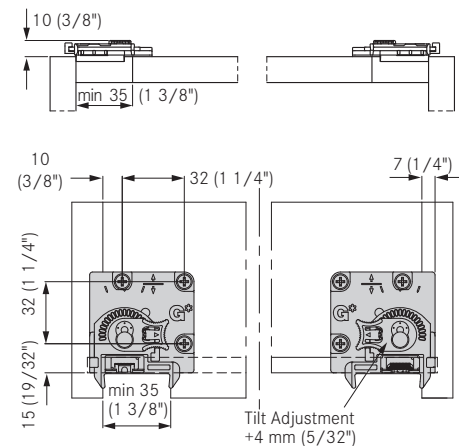


Drawer Installation Dimensions



Minimum inside drawer width determined by front locking device. See page 8.

Tilt Adjustment Adapter Installation

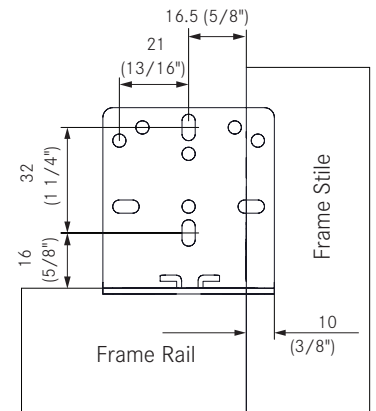
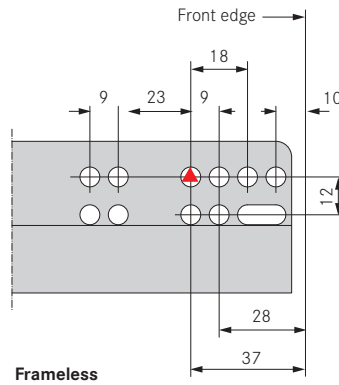
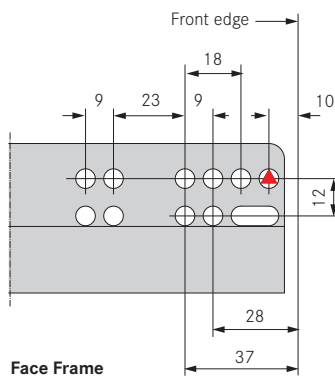


DL = drawer length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
X = minimum installation depth

Drawer Material Thickness	16mm (5/8")
Dynamic Load	88 lb (40 kg)
Static Load	100 lb (45 kg)

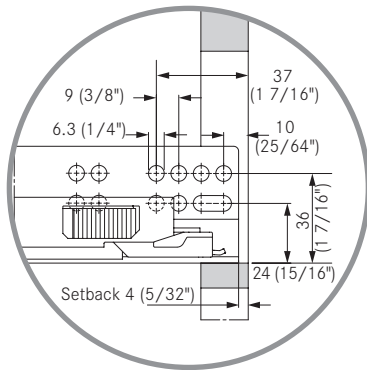
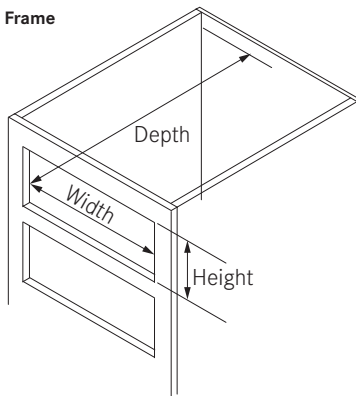
Mounting Position for Front Cabinet Profile

Rear Bracket for Face Frame

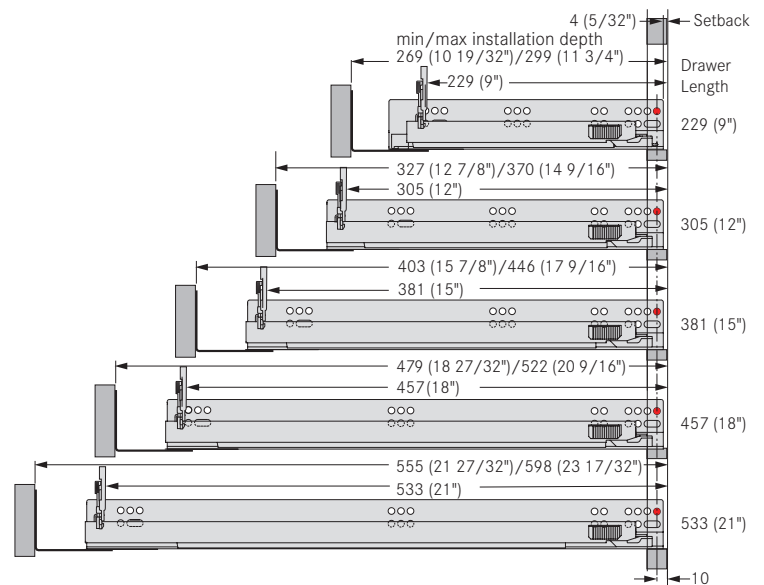
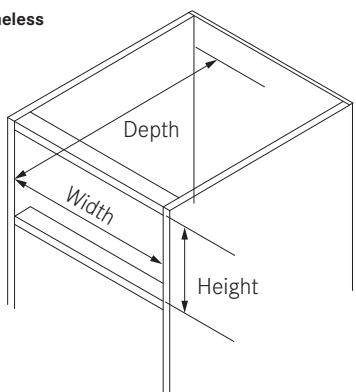


Cabinet Boring Specifications

Face Frame

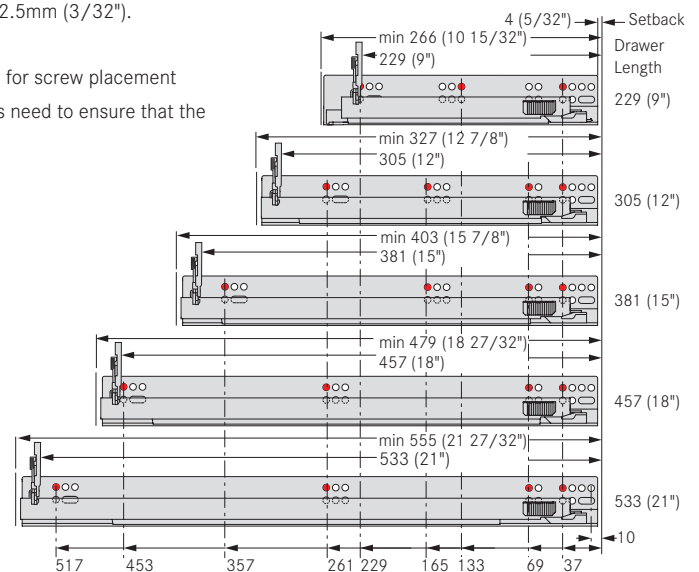


Frameless



Pre-drilling recommended Ø2.5mm (3/32").

Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.



Dynapro 16, Heavy Duty and Extended Length Slide

Integrated Soft-close with optional 4-dimensional adjustment for 5/8" (16mm) drawer material



- Face frame or frameless applications from 1/2" (12.7mm) up to 5/8" (16mm) drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.5mm
- Side adjustment ±1.5mm
- Tilt adjustment +4.0mm
- Depth adjustment +4.5mm (optional)
- 132 lb load rating (60 kg) heavy duty
- 110 lb load rating (50 kg) extended length

Dynapro 16 Full Extension Slide, 132 lb (60 kg) and 110 lb (50 kg)

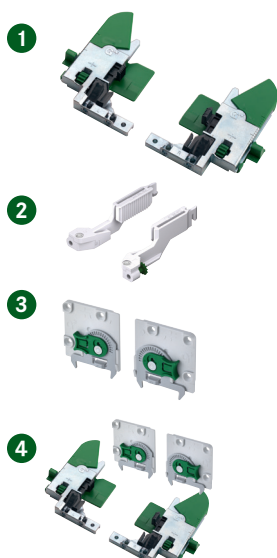


Drawer Length	Nominal Length	Min Installation Depth	Item No.	PU
457 (18")	475 (18 11/16")	479 (18 27/32")	F130135008 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	F130135009 204	5
610 (24")	628 (24 23/32")	632 (24 7/8")	F130135010 204	5
686 (27")*	704 (27 23/32")	708 (27 7/8")	F130135011 203	4
762 (30")*	780 (24 23/32")	784 (30 7/8")	F130135012 203	4

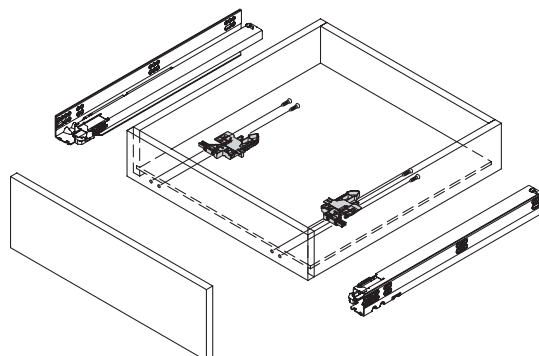
*Extended lengths, 110 lb (50 kg)

Note: Heavy duty and extended length slides can be blocked out for face frame application.

Front Locking Devices and Adjustment Adapters



Description	Adjustments	Item No.	PU
(Must order separately)			
1 Front locking device, left	height, side	F134125000 633	200
Front locking device, right	height, side	F134125001 633	200
Front locking device, set	height, side	F134101400 104	5
2 Depth adjustment for drawer front, left and right, set		F134101002 104	5
3 Tilt adjustment adapter, left		F134125002 233	200
Tilt adjustment adapter, right		F134125003 233	200
4 Front locking device and adjustment adapter set		F134125074 517	1
Set Includes: Front locking device set and tilt adjustment adapter set			



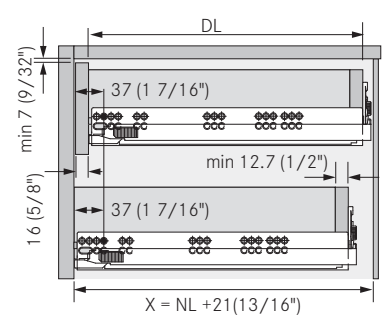
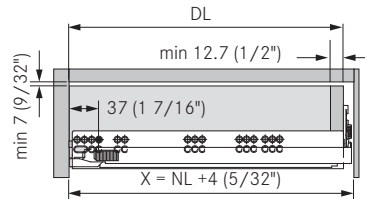
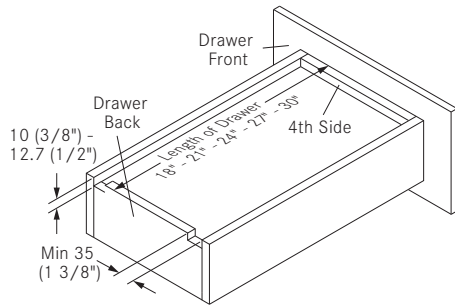
PU - Packaging unit

Drawer Material Thickness	16mm (5/8")
Dynamic Load	* 132 lb (60 kg)
Static Load	* 150 lb (70 kg)
Adjustment (depth optional)	Tilt & Depth

Drawer Measurements

Drawer

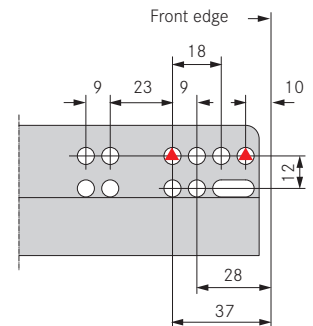
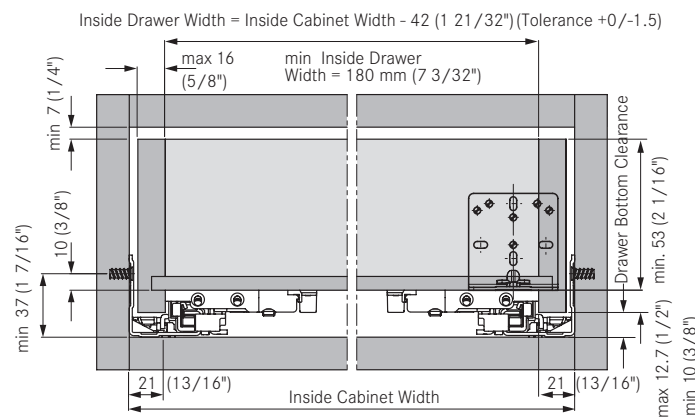
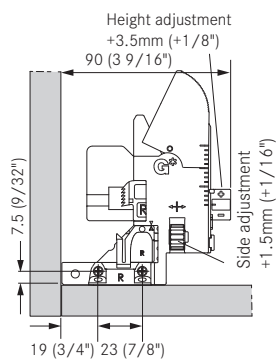
Inset Roll-out Drawer



Front Locking Device Installation

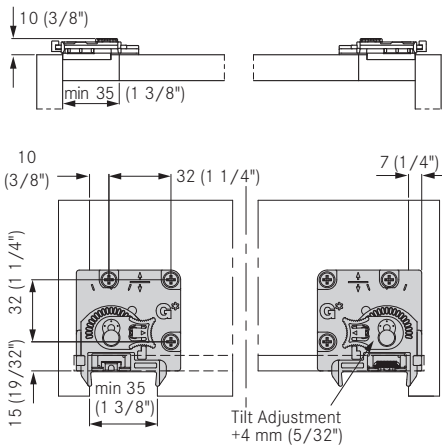
Drawer Installation Dimensions

Mounting Position for Front Cabinet Profile



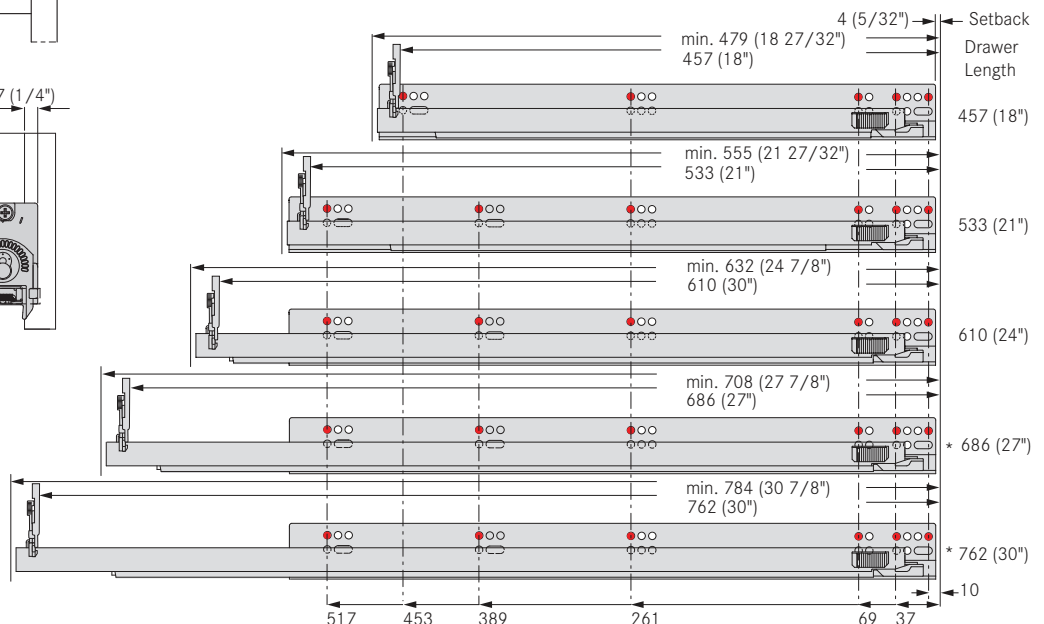
Tilt Adjustment Adapter Installation

Cabinet Boring Specifications



Pre-drilling recommended Ø2.5mm (3/32").
Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.

DL = drawer length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
X = minimum installation depth



* 110 lb dynamic load and 125 lb static load for extended lengths.

All dimensions in millimeters.

Dynapro 16, Tipmatic

Tipmatic Full Extension for 5/8" (16mm) drawer material



- Integrated Tipmatic
- Full extension with a synchronized mechanism
- Designed for drawers without pulls
- Face frame and frameless applications from 1/2" (12.7mm) up to 5/8" (16mm) drawer material
- Secure and smooth operation even if drawer is pulled open
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.0mm with front locking device
- 88 lb load rating (40 kg)
- Drawer widths should not exceed 26" wide

Dynapro 16 Tipmatic Full Extension Slide, 88 lb (40 kg)

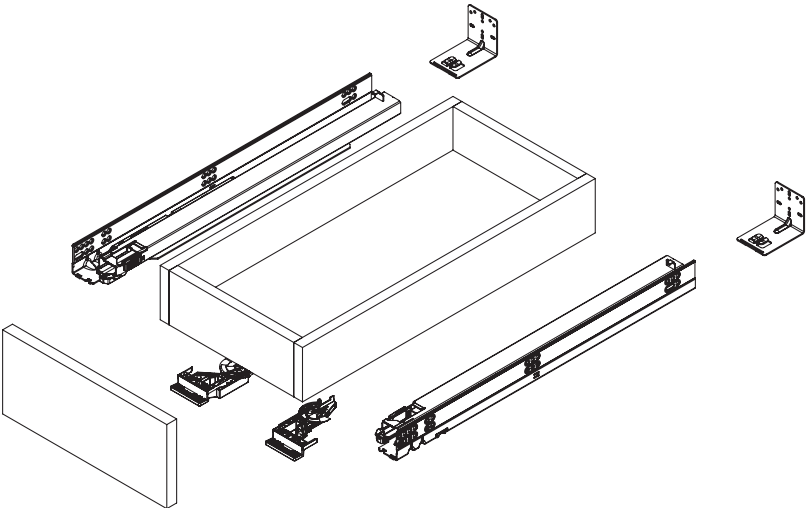


Drawer Length	Nominal Length	Min Installation Depth	Item No.	PU
381 (15")	399 (15 23/32")	403 (15 7/8")	F130116432 204	5
457 (18")	475 (18 11/16")	479 (18 27/32")	F130116433 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	F130116434 204	5

Front Locking Devices and Rear Mounting Brackets



Description	Adjustments	Item No.	PU
(Must order separately)			
1 Eco flanged front locking device, left	height	F134116420 233	200
Eco flanged front locking device, right	height	F134116421 233	200
Eco flanged front locking device, set	height	F134116422 204	5
2 Rear mounting brackets, non-handed for 12"-21" slides, each		7950.VE20	20
		7950.VE300	300



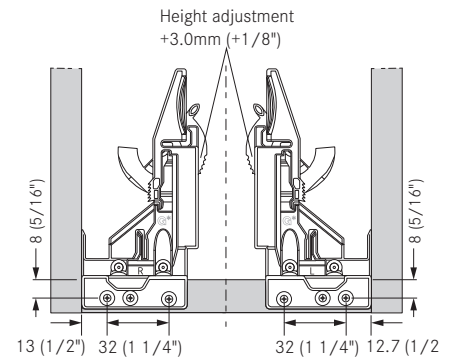
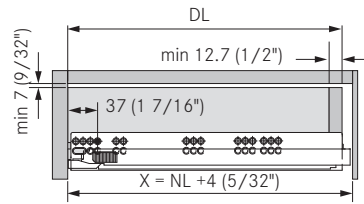
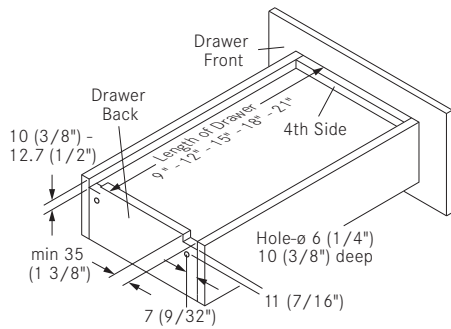
PU - Packaging unit

Drawer Material Thickness	16mm (5/8")
Dynamic Load	88 lb (40 kg)
Static Load	100 lb (45 kg)

Drawer Measurements

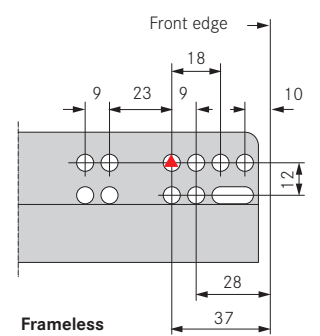
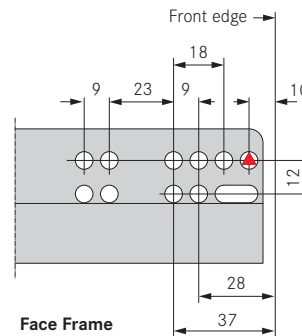
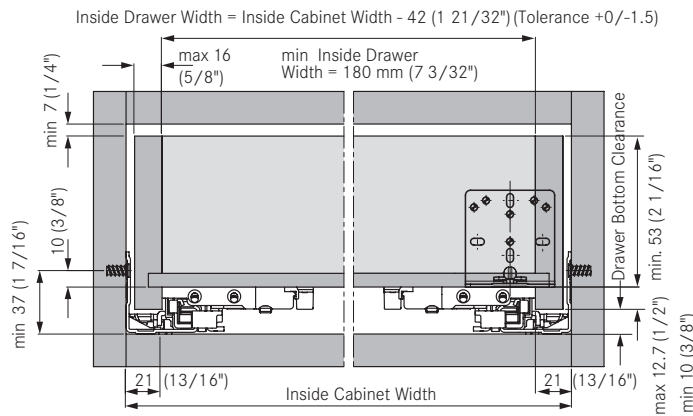
Drawer

Front Locking Device Position



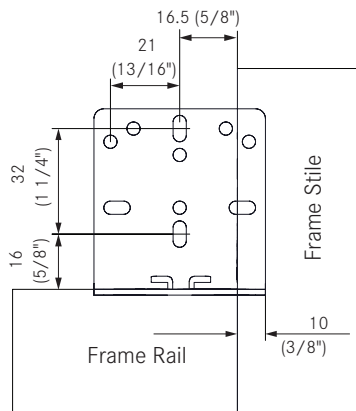
Drawer Installation Dimensions

Mounting Position for Front Cabinet Profile

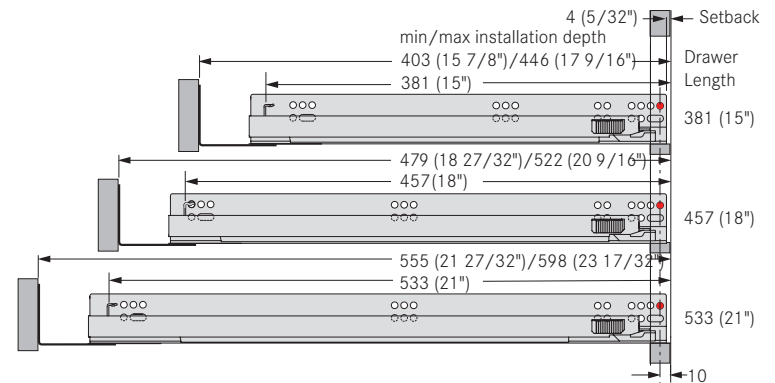


Rear Bracket for Face Frame

Cabinet Boring Specifications



Face Frame

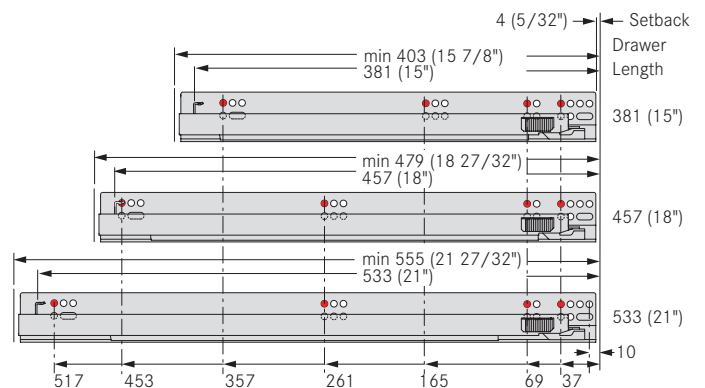


Pre-drilling recommended Ø2.5mm (3/32").

Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.

DL = drawer length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
X = minimum installation depth

Frameless



All dimensions in millimeters.

Dynapro 19, Full Extension Slide

Integrated Soft-close with optional 3-dimensional adjustment for 3/4" (19mm) drawer material

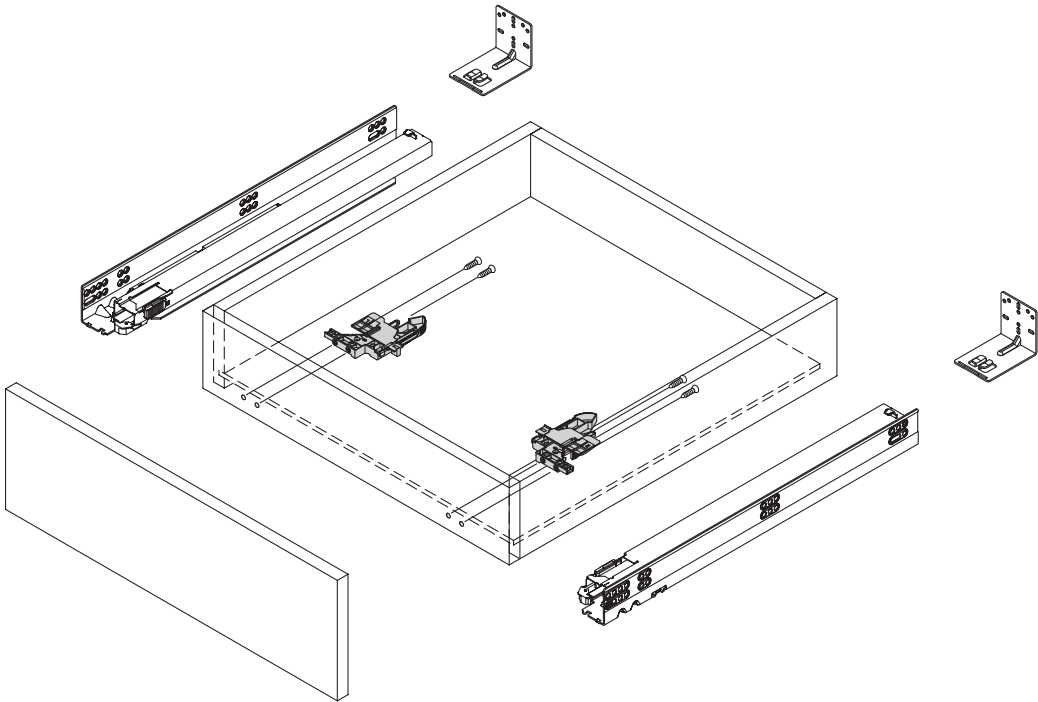


- Face frame and frameless applications from 1/2" (12.7mm) up to 5/8" (16mm) drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Integrated 2-dimensional adjustment for alignment
- Height adjustment +3.5mm with suitable front locking device
- Side adjustment ±1.5mm with suitable front locking device
- Depth adjustment +3.0mm forward with suitable front locking device
- 88 lb load rating (40 kg)

Dynapro 19 Full Extension Slide, 88 lb (40 kg)

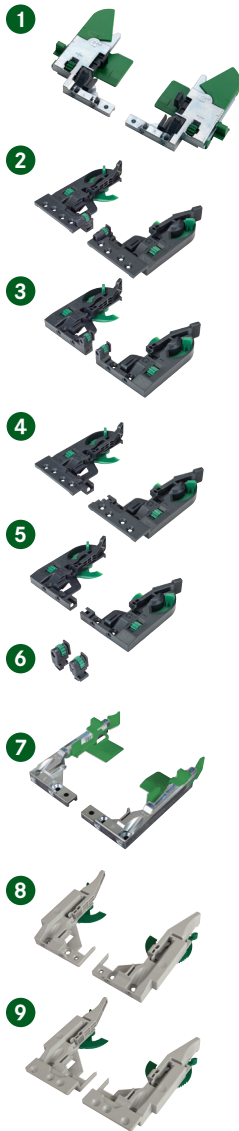


Drawer Length	Nominal Length	Min Installation Depth	Max Installation Depth	Item No.	PU
229 (9")	262 (10 5/16")	266 (10 15/32")	299 (11 3/4")	F130135030 204	5
305 (12")	323 (12 23/32")	327 (12 7/8")	370 (14 9/16")	F130135031 204	5
381 (15")	399 (15 23/32")	403 (15 7/8")	446 (17 9/16")	F130135032 204	5
457 (18")	475 (18 11/16")	479 (18 27/32")	522 (20 9/16")	F130135033 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	598 (23 17/32")	F130135034 204	5



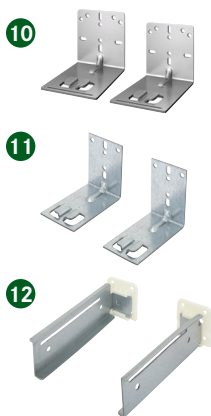
PU - Packaging unit

Front Locking Devices



Description	Adjustments	Item No.	PU
(Must order separately)			
1 Front locking device, left	height, side	F134125000 633	200
Front locking device, right	height, side	F134125001 633	200
Front locking device, set	height, side	F134101400 104	5
2 3D Flanged front locking device, left	height, side, depth	F134108942 233	200
3D Flanged front locking device, right	height, side, depth	F134108943 233	200
3 3D Front locking device, left	height, side, depth	F134108947 233	200
3D Front locking device, right	height, side, depth	F134108948 233	200
4 2D Flanged front locking device, left	height, side	F134108944 233	200
2D Flanged front locking device, right	height, side	F134108945 233	200
5 2D Front locking device, left	height, side	F134108950 233	200
2D Front locking device, right	height, side	F134108951 233	200
6 Depth adjustment set for non-flanged 2D, left & right		F134108960 533	5
7 Narrow front locking device, left	height	F134100699 233	200
Narrow front locking device, right	height	F134100700 233	200
8 Eco front locking device, left	height	F134101221 233	200
Eco front locking device, right	height	F134101222 233	200
Eco front locking device, set	height	F134101220 517	5
9 Eco flanged front locking device, left	height	F134116420 233	200
Eco flanged front locking device, right	height	F134116421 233	200
Eco flanged front locking device, set	height	F134116422 204	5

Rear Mounting Brackets and Adjustment Adapter

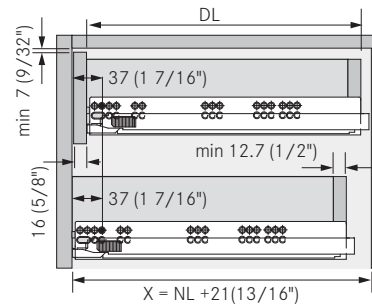
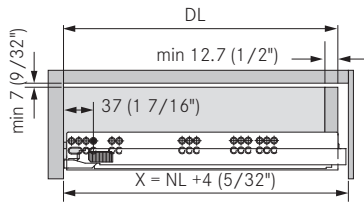
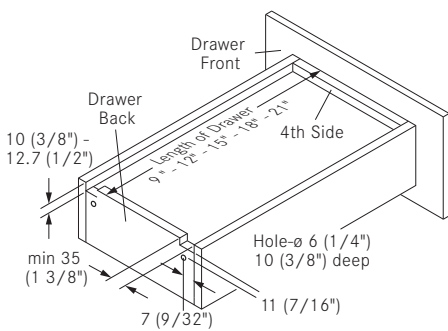


Description	Item No.	PU
(Must order separately)		
10 Rear mounting brackets, non-handed for 12"-21" slides, each	7950.VE20	20
	7950.VE300	300
11 Narrow rear mounting brackets, non-handed for 12"-21" slides, each	7951.VE300	300
12 Rear mounting bracket for 9" slides, set	00433-37	5
Set Includes: left and right bracket, (4) #M5 x 8 screw		

Dynapro 19, Full Extension Slide

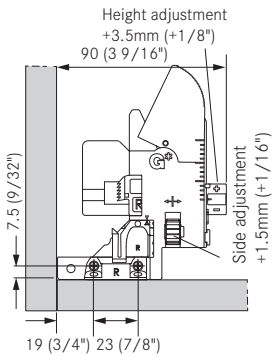
Integrated Soft-close with optional 3-dimensional adjustment for 3/4" (19mm) drawer material

Drawer Measurements Drawer Inset Roll-out Drawer

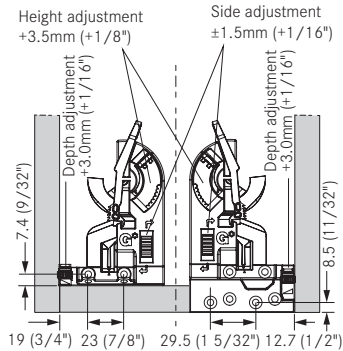


Front Locking Device Installation

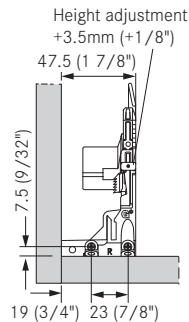
Front Locking Device



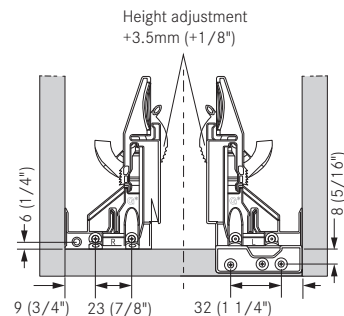
2D/3D Front Locking Devices



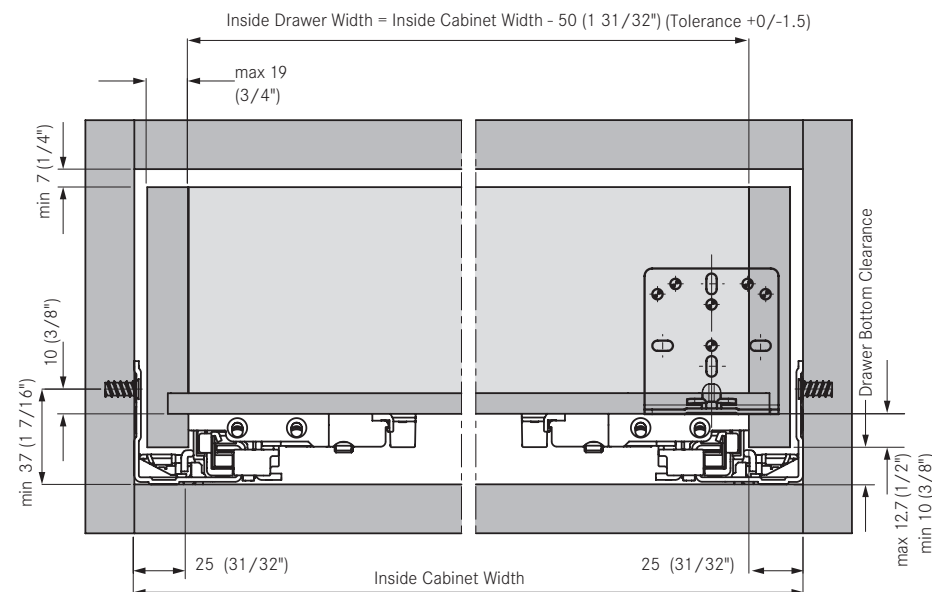
Narrow Front Locking Device



Eco Front Locking Device



Drawer Installation Dimensions



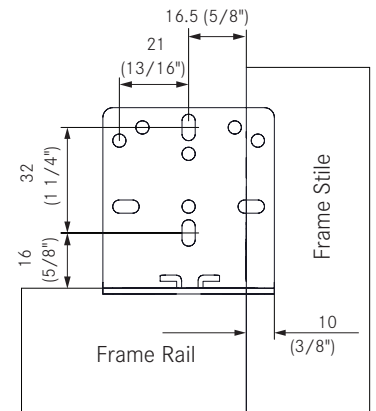
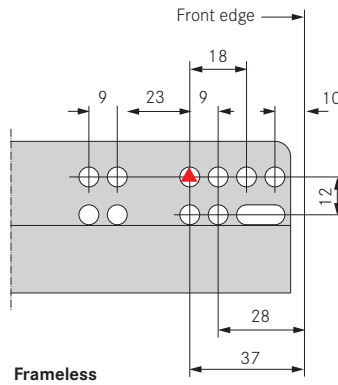
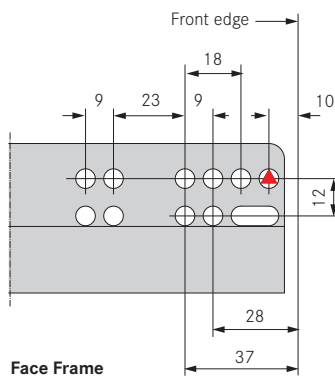
Minimum inside drawer width determined by front Locking device. See page 8.

DL = drawer length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
X = minimum installation depth

Drawer Material Thickness	19mm (3/4")
Dynamic Load	88 lb (40 kg)
Static Load	100 lb (45 kg)

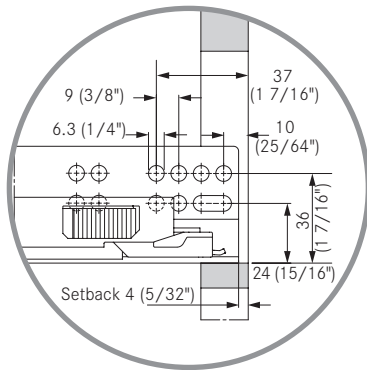
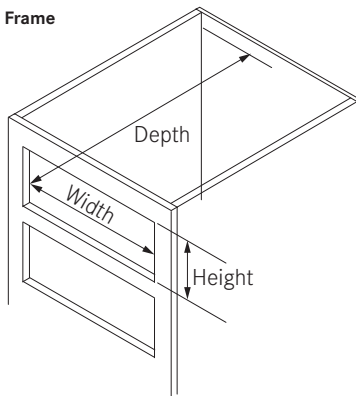
Mounting Position for Front Cabinet Profile

Rear Bracket for Face Frame

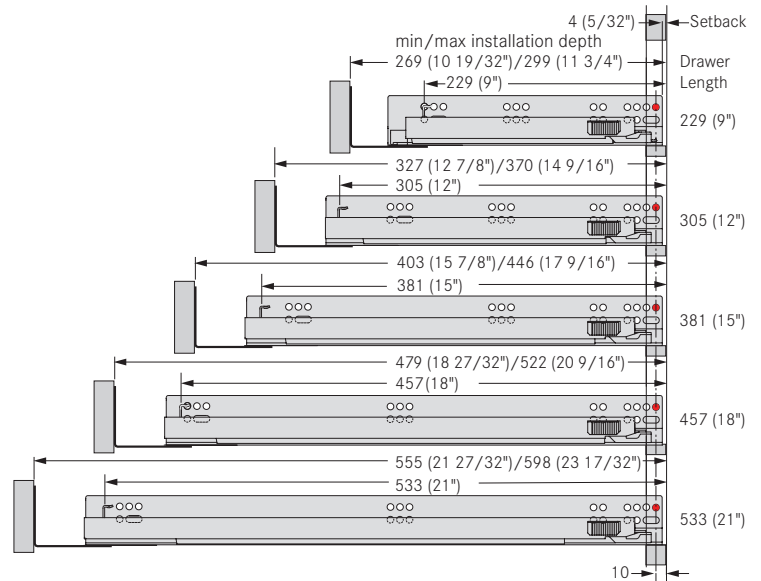
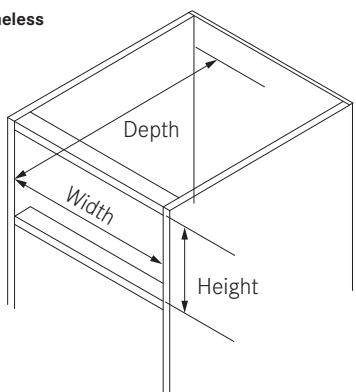


Cabinet Boring Specifications

Face Frame

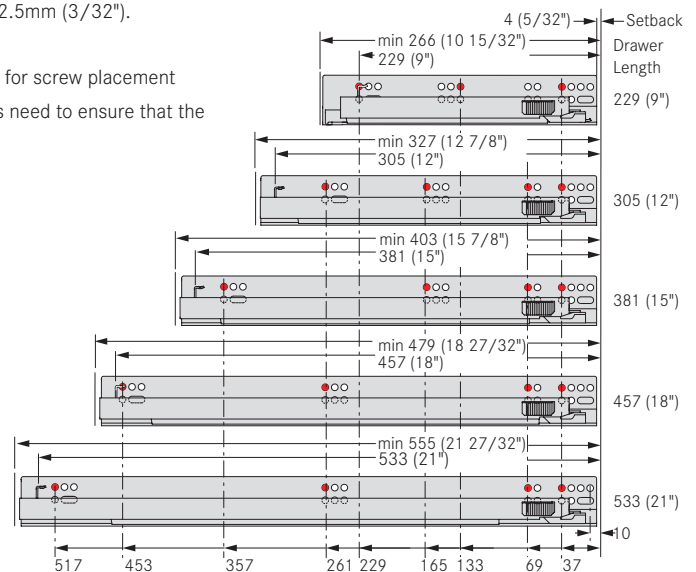


Frameless



Pre-drilling recommended Ø2.5mm (3/32").

Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.



Dynapro 19, Full Extension Slide

Integrated Soft-close with optional 4-dimensional adjustment for 3/4" (19mm) drawer material

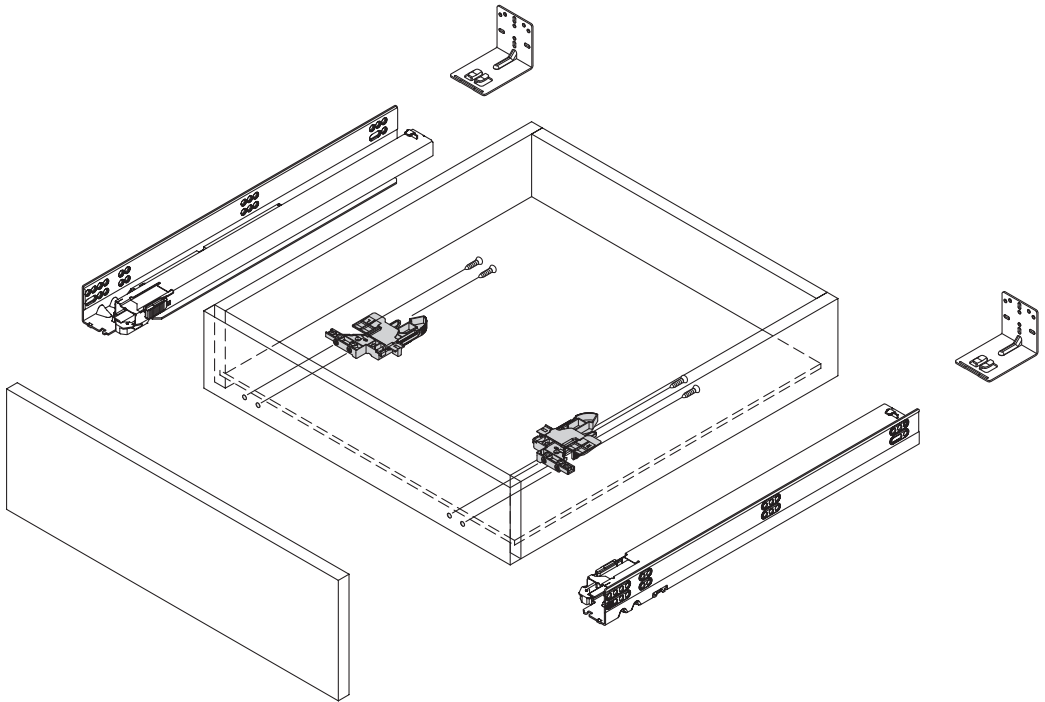


- Face frame or frameless applications from 5/8" (16mm) to 3/4" (19mm) drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.5mm with suitable front locking device
- Side adjustment ±1.5mm with suitable front locking device
- Tilt adjustment +4.0mm
- Depth adjustment +3.0mm forward with suitable front locking device
- 88 lb load rating (40 kg)

Dynapro 19 Full Extension Slide, 88 lb (40 kg)

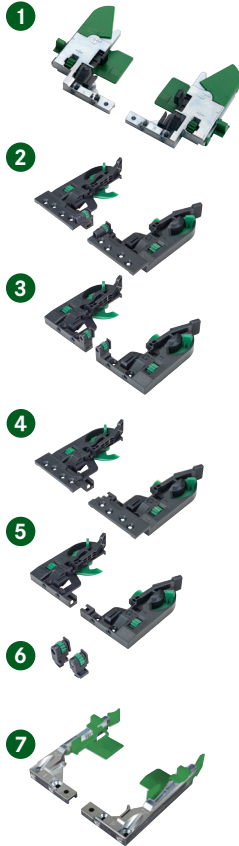


Drawer Length	Nominal Length	Min Installation Depth	Max Installation Depth	Item No.	PU
229 (9")	262 (10 5/16")	266 (10 15/32")	299 (11 3/4")	F130135022 204	5
305 (12")	323 (12 23/32")	327 (12 7/8")	370 (14 9/16")	F130135023 204	5
381 (15")	399 (15 23/32")	403 (15 7/8")	446 (17 9/16")	F130135024 204	5
457 (18")	475 (18 11/16")	479 (18 27/32")	522 (20 9/16")	F130135025 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	598 (23 17/32")	F130135026 204	5



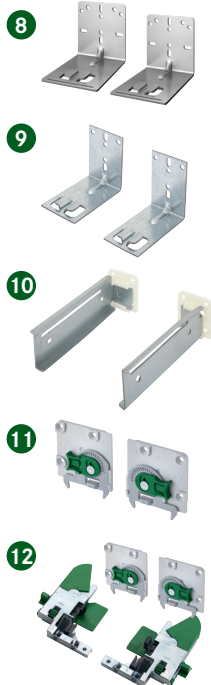
PU - Packaging unit

Front Locking Devices



Description	Adjustments	Item No.	PU
(Must order separately)			
1 Front locking device, left	height, side	F134125000 633	200
Front locking device, right	height, side	F134125001 633	200
Front locking device, set	height, side	F134101400 104	5
2 3D Flanged front locking device, left	height, side, depth	F134108942 233	200
3D Flanged front locking device, right	height, side, depth	F134108943 233	200
3 3D Front locking device, left	height, side, depth	F134108947 233	200
3D Front locking device, right	height, side, depth	F134108948 233	200
4 2D Flanged front locking device, left	height, side	F134108944 233	200
2D Flanged front locking device, right	height, side	F134108945 233	200
5 2D Front locking device, left	height, side	F134108950 233	200
2D Front locking device, right	height, side	F134108951 233	200
6 Depth adjustment set for non-flanged 2D, left & right		F134108960 533	5
7 Narrow front locking device, left	height	F134100699 233	200
Narrow front locking device, right	height	F134100700 233	200

Rear Mounting Brackets and Adjustment Adapters

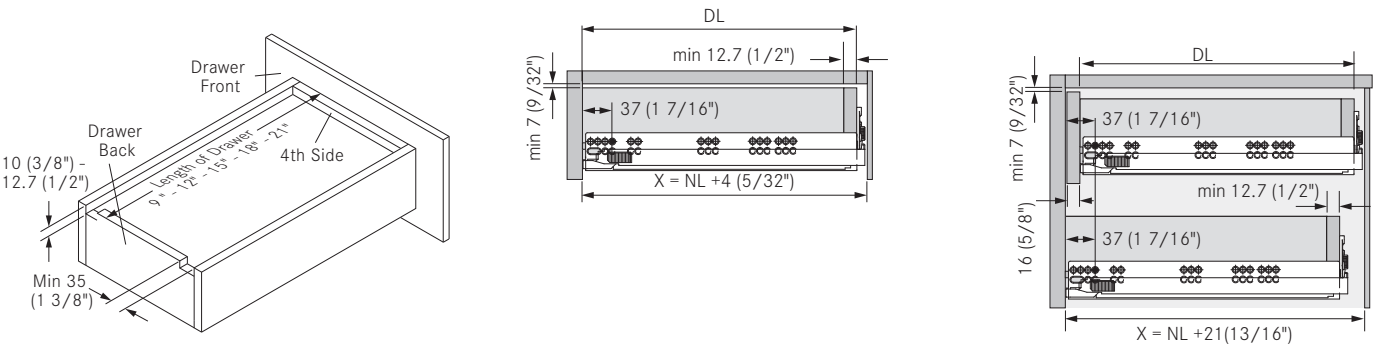


Description	Item No.	PU
(Must order separately)		
8 Rear mounting brackets, non-handed for 12"-21" slides, each	7950.VE20	20
	7950.VE300	300
9 Narrow rear mounting brackets, non-handed for 12"-21" slides, each	7951.VE300	300
10 Rear mounting bracket for 9" slides, set	00433-37	5
Set Includes: left and right socket, (4) #M5 x 8 screw		
11 Tilt adjustment adapter, left	F134125002 233	200
Tilt adjustment adapter, right	F134125003 233	200
12 Front locking device and adjustment adapter set	F134125074 517	1
Set Includes: Front locking device set and tilt adjustment adapter set		

Dynapro 19, Full Extension Slide

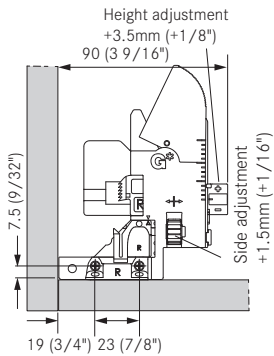
Integrated Soft-close with optional 4-dimensional adjustment for 3/4" (19mm) drawer material

Drawer Measurements

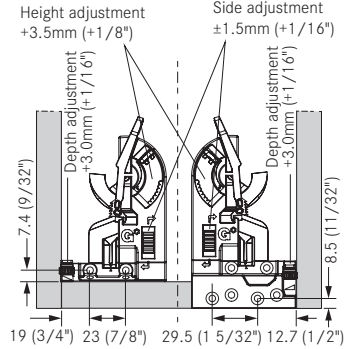


Front Locking Device Installation

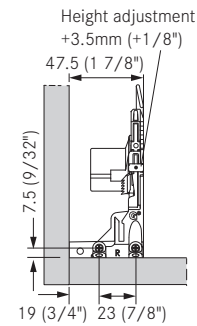
Front Locking Device



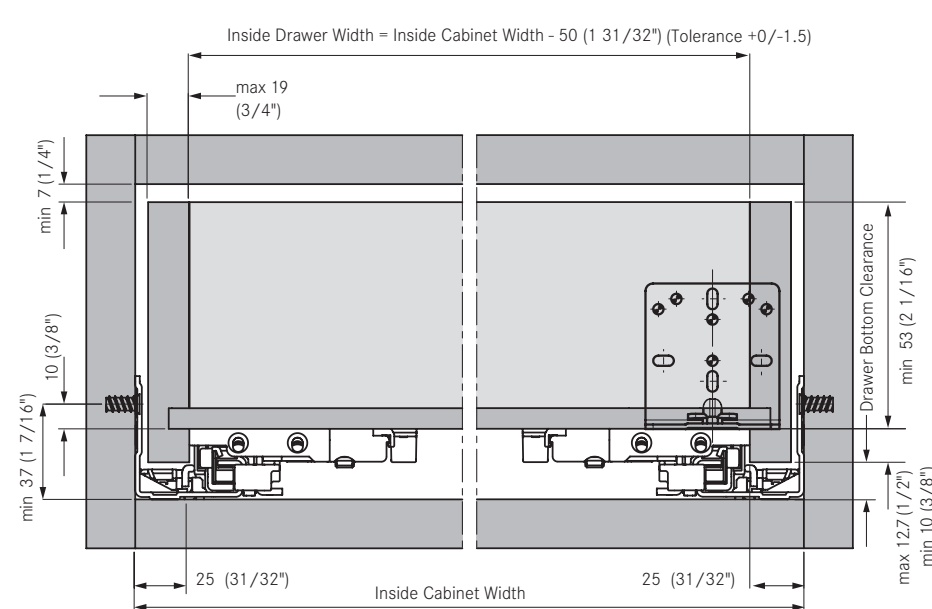
2D/3D Front Locking Devices



Narrow Front Locking Device

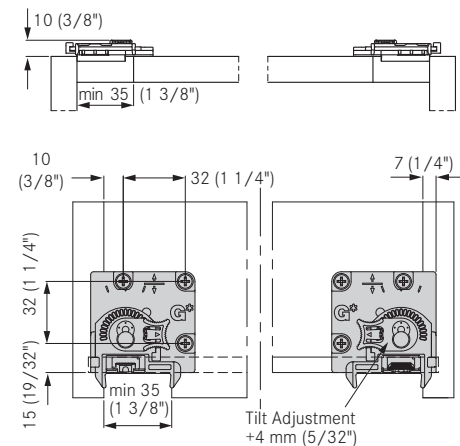


Drawer Installation Dimensions



Minimum inside drawer width determined by front Locking device. See page 8.

Tilt Adjustment Adapter Installation

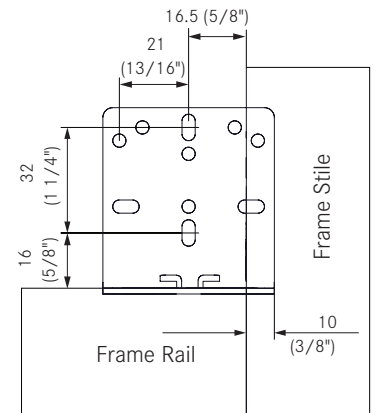
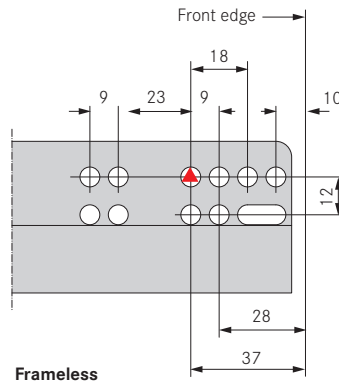
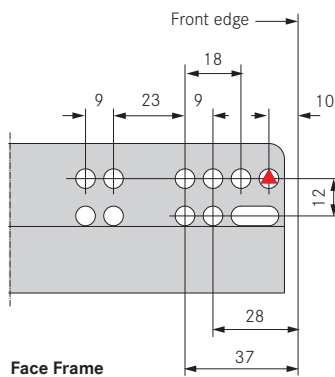


DL = drawer length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
X = minimum installation depth

Drawer Material Thickness	19mm (3/4")
Dynamic Load	88 lb (40 kg)
Static Load	100 lb (45 kg)

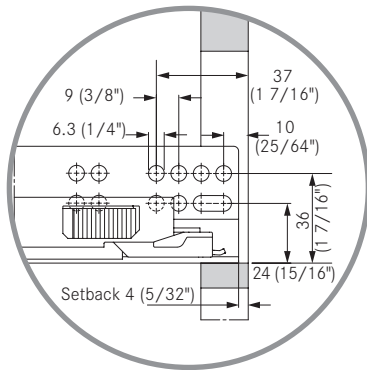
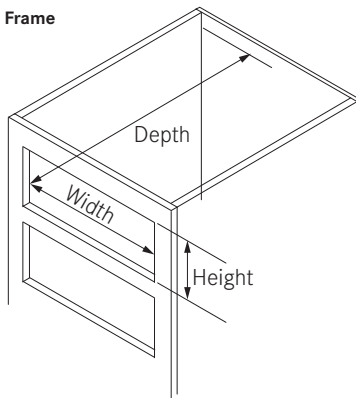
Mounting Position for Front Cabinet Profile

Rear Bracket for Face Frame

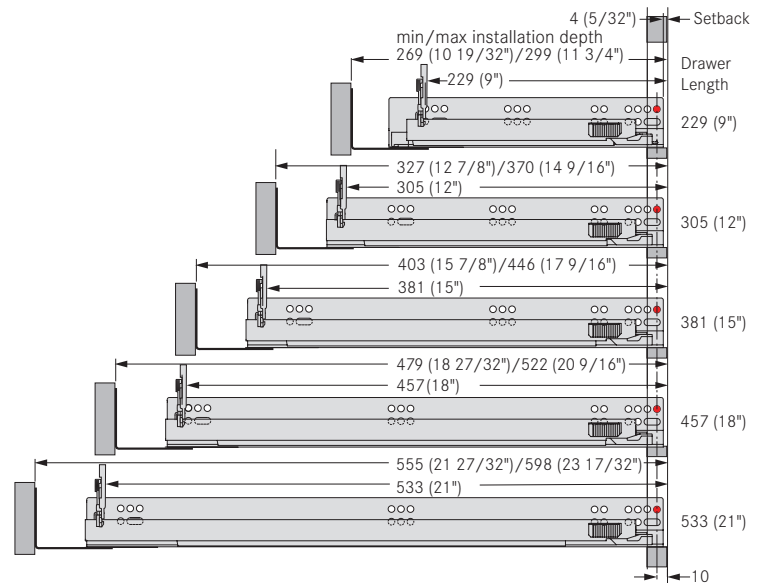
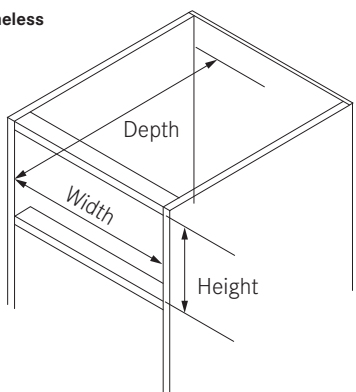


Cabinet Boring Specifications

Face Frame

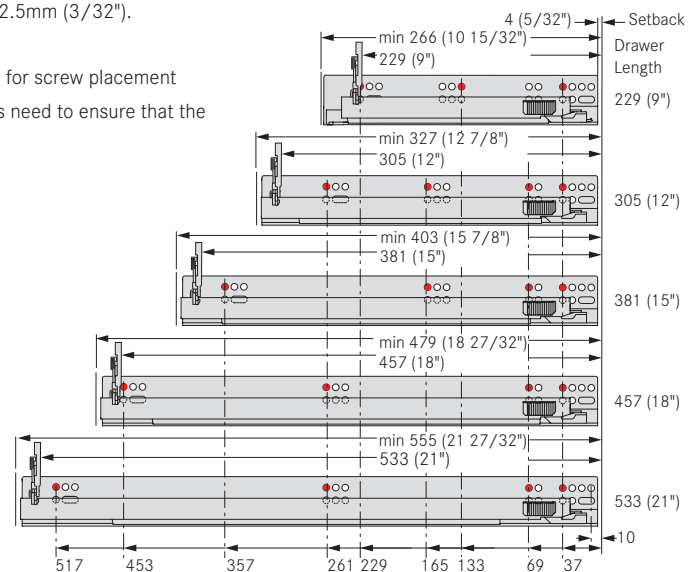


Frameless



Pre-drilling recommended $\varnothing 2.5\text{mm}$ (3/32").

Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.



Dynapro 19, Heavy Duty and Extended Length Slide

Integrated Soft-close with optional 4-dimensional tilt adjustment for 3/4" (19mm) drawer material



- Face frame or frameless applications from 5/8" (16mm) to 3/4" (19mm) drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.5mm
- Side adjustment ±1.5mm
- Tilt adjustment +4.0mm
- Depth adjustment +4.5mm (optional)
- 132 lb load rating (60 kg) heavy duty
- 110 lb load rating (50 kg) extended length

Dynapro 19 Full Extension Slide, 132 lb (60 kg) and 110 (50 kg)

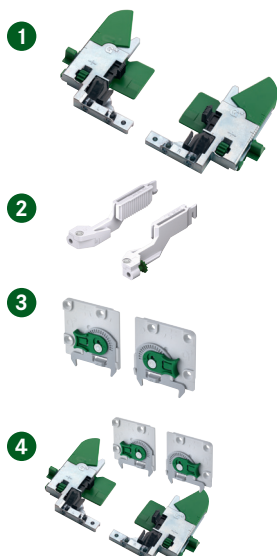


Drawer Length	Nominal Length	Min Installation Depth	Item No.	PU
457 (18")	475 (18 11/16")	479 (18 27/32")	F130135027 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	F130135028 204	5
610 (24")	628 (24 23/32")	632 (24 7/8")	F130135427 204	5
686 (27")*	704 (27 23/32")	708 (27 7/8")	F130101238 203	4
762 (30")*	780 (24 23/32")	784 (30 7/8")	F130135029 204	4

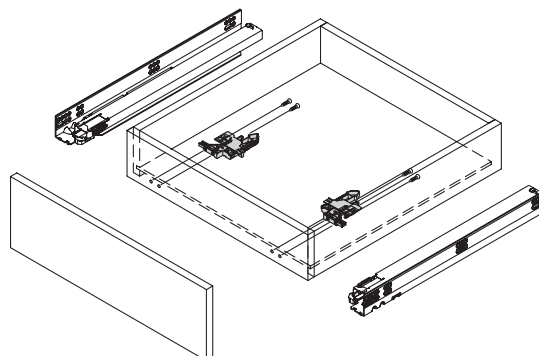
*Extended lengths, 110 lb (50 kg)

Note: Heavy duty and extended length slides can be blocked out for face frame application.

Front Locking Devices and Adjustment Adapters



Description	Adjustments	Item No.	PU
(Must order separately)			
1 Front locking device, left	height, side	F134125000 633	200
Front locking device, right	height, side	F134125001 633	200
Front locking device, set	height, side	F134101400 104	5
2 Depth adjustment for drawer front, left and right, set		F134101002 104	5
3 Tilt adjustment adapter, left		F134125002 233	200
Tilt adjustment adapter, right		F134125003 233	200
4 Front locking device and adjustment adapter set		F134125074 517	1
Set Includes: Front locking device set and tilt adjustment adapter set			



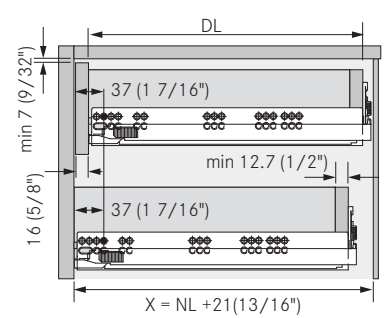
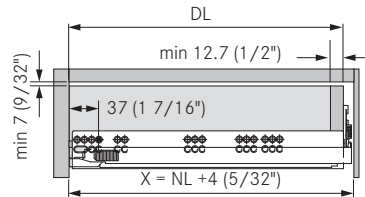
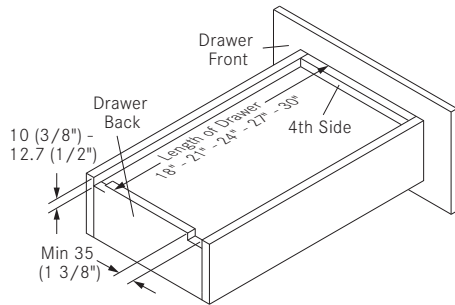
PU - Packaging unit

Drawer Material Thickness	19mm (3/4")
Dynamic Load	* 132 lb (60 kg)
Static Load	* 150 lb (70 kg)
Adjustment (depth optional)	Tilt & Depth

Drawer Measurements

Drawer

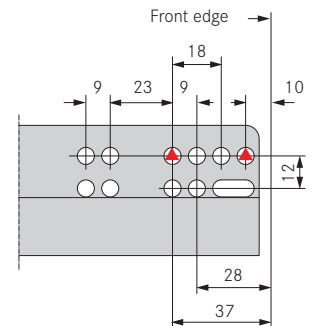
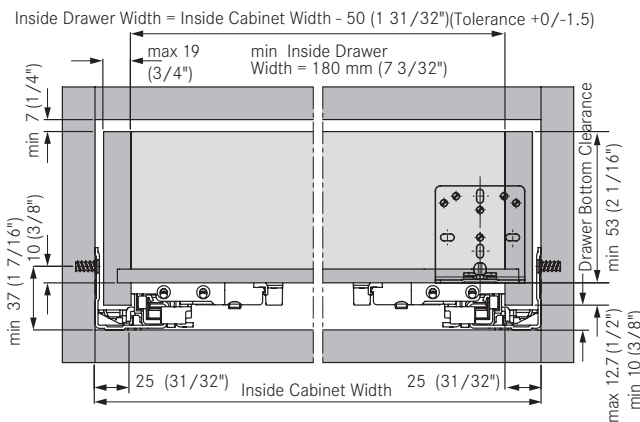
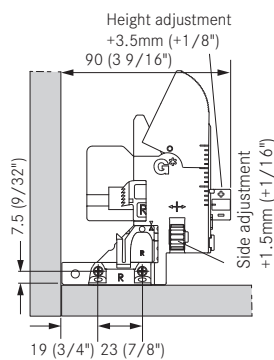
Inset Roll-out Drawer



Front Locking Device Installation

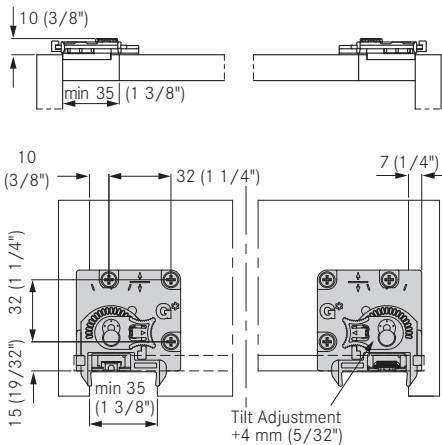
Drawer Installation Dimensions

Mounting Position for Front Cabinet Profile



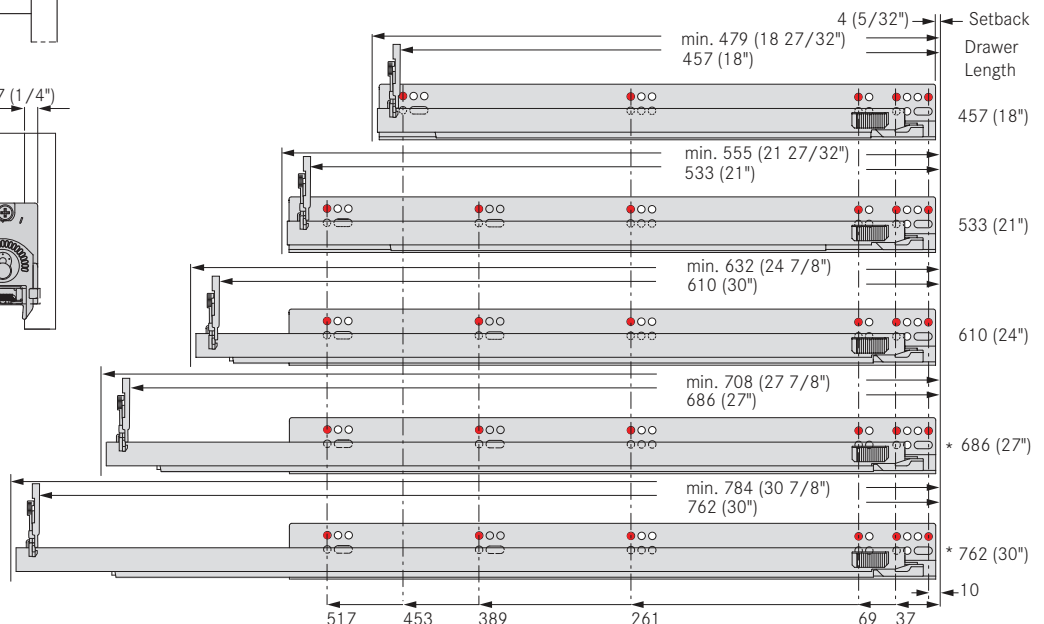
Tilt Adjustment Adapter Installation

Cabinet Boring Specifications



Pre-drilling recommended Ø2.5mm (3/32").
Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.

DL = drawer length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
X = minimum installation depth



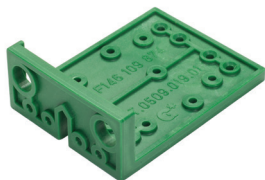
* 110 lb dynamic load and 125 lb static load for extended lengths.

All dimensions in millimeters.

Accessories and Assembly Aids

Dynapro

Drilling Template for Drawer



- For front locking device
- For drawer hole hook
- For adjustment adapter

Description	Item No.	PU
Drilling template	F146109874299	1

Centering Drill Bit Ø 2.5mm



The GRASS centering drill bit is used for pre-drilling countersink wood screws, Ø 2.5mm

Description	Item No.	PU
Centering drill bit	35692-01	1

Inset Bracket Set

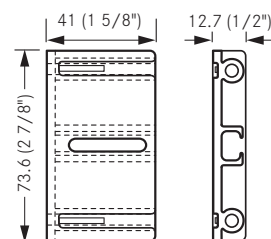


- For face frame inset applications with Dynapro
- Works with all inset applications
- Bracket mounts behind the face frame, minimum 12.7mm (1/2") frame offset required
- Slide attaches easily with one screw
- Includes guide markings for proper setback
- Polybagged with brackets, screws, instructions



Polybag set consists of:

- 2 - Universal Inset Bracket ABS Brown
- 2 - 8 X 32 Tapped Insert for Inset bracket
- 4 - #7 X 2" mounting screws
- 2 - #8 - 32 X 1/2" Machine Screw FHP



PU - Packaging unit

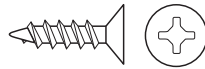
Screws

Euro Screw, Nickel-plated



Description	Item No.	PU
Euro Screw 11mm (7/16") Pozi	499.360.61.1015	500
Euro Screw 13mm (1/2") Pozi	499.360.61.3015	500

Wood Screw, Nickel-plated



Description	Item No.	PU
#6 x 5/8" FHP, NI	81001-43	500
#6 x 3/4" FHP, NI	81003-43	500

Bumper Pads

AIRSOFT Bumper Pads, Plastic, Round



Description	Item No.	PU
AirSoft Bumper pad, 2.5mm, clear	63480-99	480
AirSoft Bumper pad, 2.5mm, clear	63482-30	5000
AirSoft Bumper pad, 5mm, clear	63481-43	500
AirSoft Bumper pad, 5mm, clear	63483-30	5000

Self-adhesive Bumper Pads



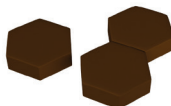
Description	Item No.	PU
Self-adhesive bumper pad, clear, 7mm	630.000.03.0750	1088
Self-adhesive bumper pad, clear, 10mm	630.000.03.1050	1050
Self-adhesive bumper pad, clear, 12mm	630.000.02.1250	5000

Bumper Pads

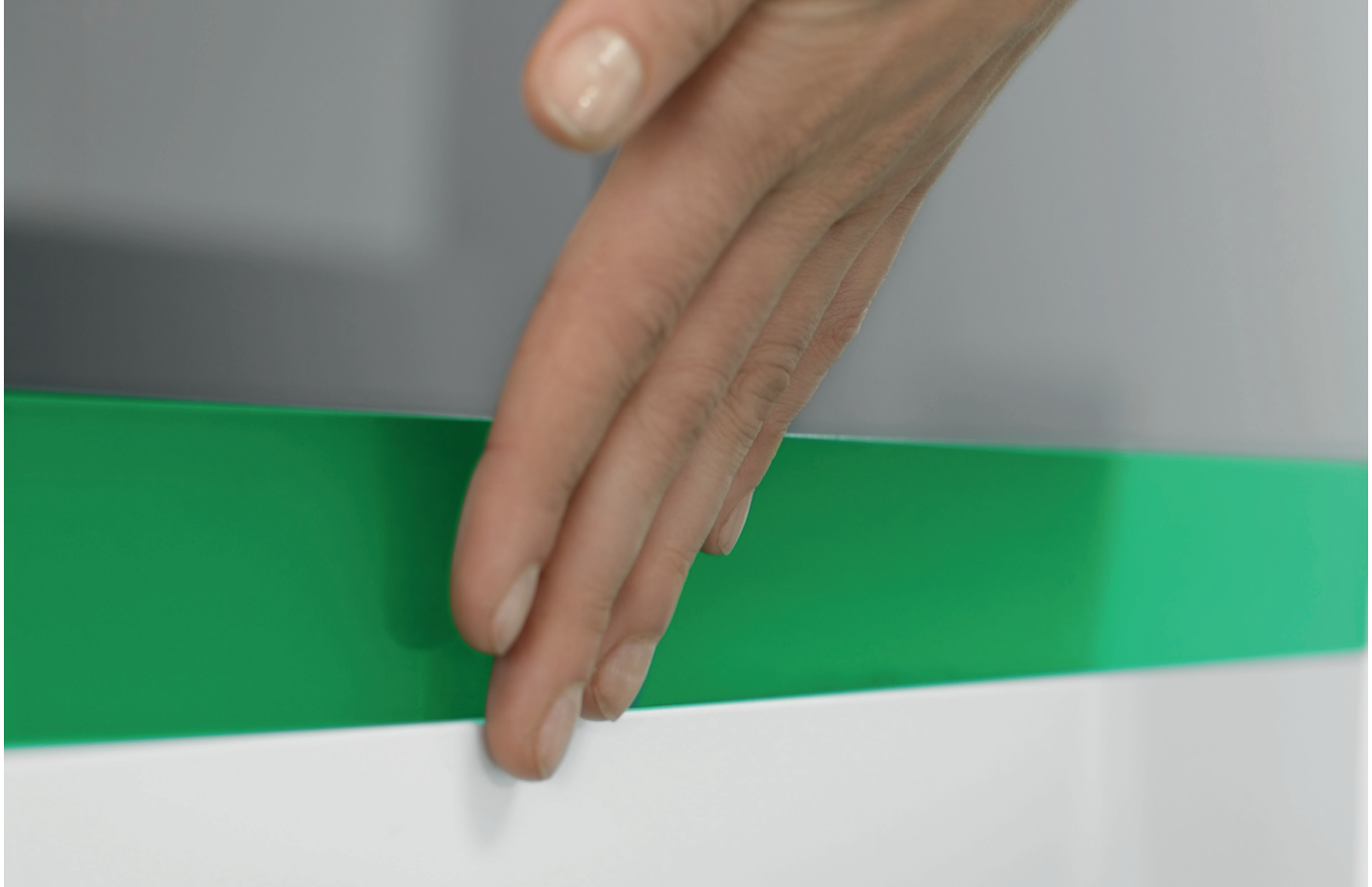


Description	Item No.	PU
Bumper pad, round, clear, 3mm	31002-43	500
Bumper pad, round, clear, 1.5mm	31004-43	500

Bumper Pads



Description	Item No.	PU
Bumper pad, hexagonal, butterscotch, 3mm	00464-43	500



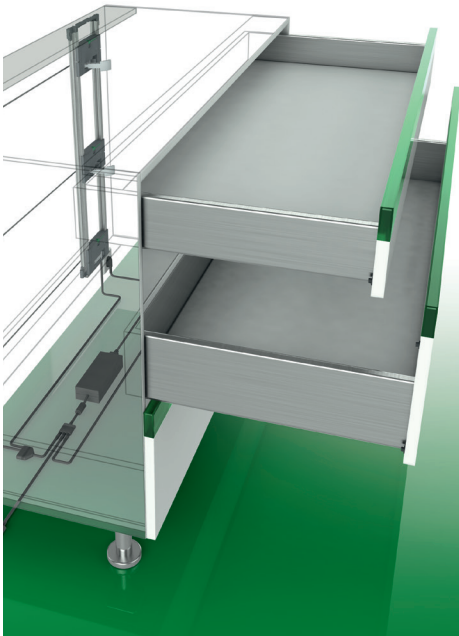
Sensomatic combines handle-free opening
with the ever popular Soft-closing action

**Just tap anywhere on the drawer front and
the drawer opens automatically.**

The Sensomatic is an electro-mechanical opening
system that works with the Dynapro slide system.
A simple installation process creates a superior
drawer system.



Versatile, Efficient, Exciting:
 Lightly touch the front panel and the
 drawers will open as if by magic.
 Fully automatic, electrically powered.



SENSOMATIC OPENING SYSTEM

Sensomatic, an electro-mechanical opening system that can be activated by a light touch anywhere on the surface of the drawer front. At the touch, the drawers glide open in one smooth motion.

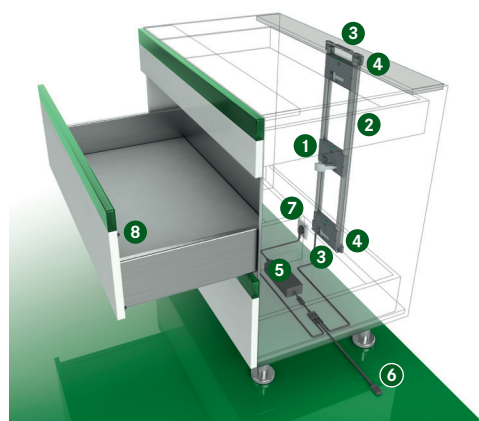
With the touch-sensitive Sensomatic device all you need is a gentle touch anywhere on the drawer front to automatically open the drawers. The action is steady and precise. The perfect movement for today's functional requirements.

Sensomatic together with Soft-close offers all the advantages of handle free opening with the elegance and functionality of a soft-closing action. These functions together guarantee your operating convenience at the highest level.

Sensomatic is extremely efficient in regard to power consumption and occupied space. The Sensomatic needs only one drive unit for cabinet widths up to 47" (1200mm) regardless of the weight. Accessories such as wire baskets, trash can receptacles, or roll out trays can be fitted with the Sensomatic system without modification. It has never been easier to open a drawer and - never easier to close a drawer.

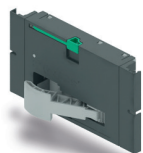
Sensomatic

Standard cabinet with horizontal wooden stretcher



- Electro-mechanical opening system
- Sensomatic works with any Dynapro drawer design
- Activated by a light touch anywhere on the drawer front
- One drive unit for cabinets widths up to 47" (1200mm)
- Soft-closing action pulls the drawer closed
- Ideal for accessories such as wire baskets, waste bins, or roll-out trays
- Full extension for maximum access to drawer contents

1 Opening Unit



	Item No.	PU
For Dynapro	F121100268607	10

PU - 10 pieces, individually packaged

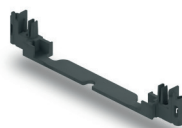
2 Frame Sides, Including Frame Side Cable



Length	Item No.	PU
750mm	F121100285207	10
1170mm	F121100286207	10

PU - 10 pairs

3 Frame Connector



	Item No.	PU
Frame connector	F121100282211	20

4 Fixing Bracket



	Item No.	PU
Fixing bracket	F121100270211	1

5 Power Supply Unit



	Item No.	PU
Power supply unit	F121100269607	10

PU = 10 pieces, individually packaged

One power supply operates up to 30 opening units

6 Connection Cable with 2-way-adapter



Length	Item No.	PU
1000mm	F121100289207	10
1600mm	F121100290207	10
2000mm	F121100291207	10

7 Power Cord, 1.8 m (6')



Type of plug	Item No.	PU
Power cord (USA, CA)	69760-04	10

8 Spring-loaded Front Bumper



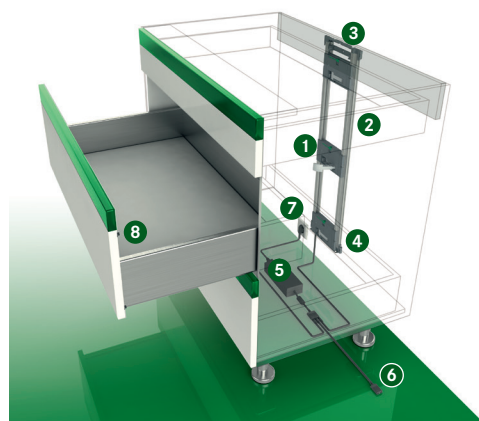
Ø 5mm	Item No.	PU
Front gap 2.2mm	F121100294223	100
Front gap 3mm	F121100295223	100

Ø 8mm	Item No.	PU
Front gap 3mm	F121100298223	100

PU - Packaging unit

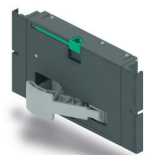
Sensomatic for Dynapro

Standard cabinet with vertical wooden stretcher



- Electro-mechanical opening system
- Sensomatic works with any Dynapro drawer design
- Activated by a light touch anywhere on the drawer front
- One drive unit for cabinets widths up to 47" (1200mm)
- Full extension for maximum access to drawer contents
- Soft-closing action pulls the drawer closed
- Ideal for accessories such as wire baskets, waste bins, or roll-out trays

1 Opening Unit



	Item No.	PU
For Dynapro	F121100268607	10

PU - 10 pieces, individually packaged

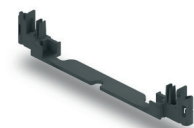
2 Frame Sides, including Frame Side Cable



Length	Item No.	PU
750mm	F121100285207	10
1170mm	F121100286207	10

PU - 10 pairs

3 Frame Connector



	Item No.	PU
Frame connector	F121100282211	20

4 Fixing Bracket



	Item No.	PU
Fixing bracket	F121100270211	1

5 Power Supply Unit



	Item No.	PU
Power supply unit	F121100269607	10

PU = 10 pieces, individually packaged

One power supply operates up to 30 opening units

6 Connection Cable with 2-way-adapter



Length	Item No.	PU
1000mm	F121100289207	10
1600mm	F121100290207	10
2000mm	F121100291207	10

7 Power Cord, 1.8 m (6')



Type of plug	Item No.	PU
Power cord (USA, CA)	69760-04	10

8 Spring-loaded Front Bumper



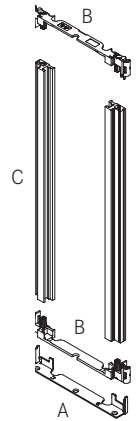
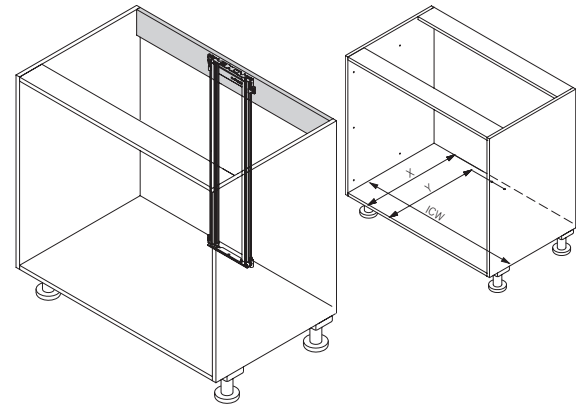
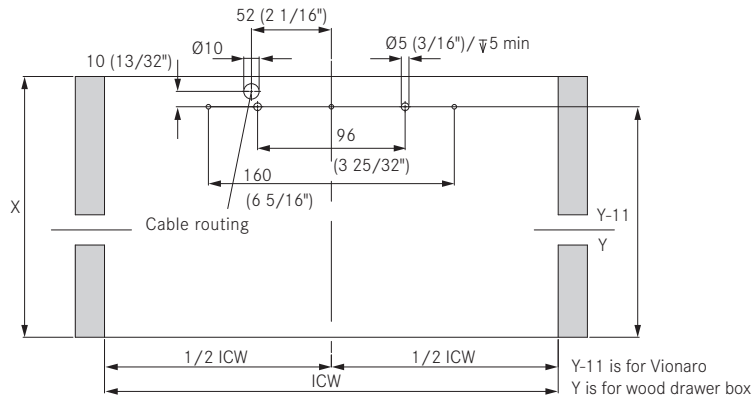
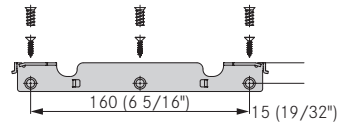
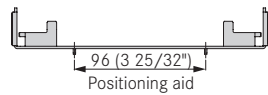
Ø 5mm	Item No.	PU
Front gap 2.2mm	F121100294223	100
Front gap 3mm	F121100295223	100

Ø 8mm	Item No.	PU
Front gap 3mm	F121100298223	100

PU - Packaging unit

Mounting Dimensions

Fixing bracket positioned at bottom



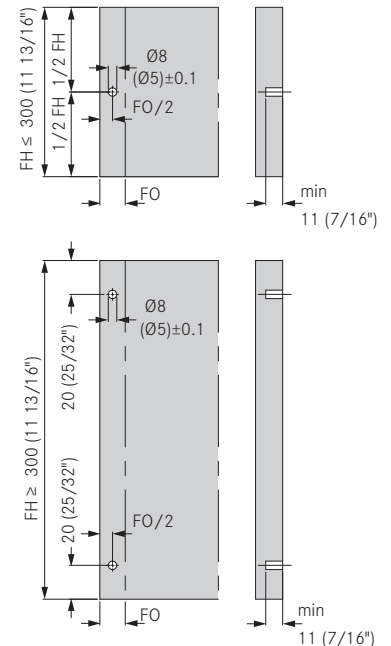
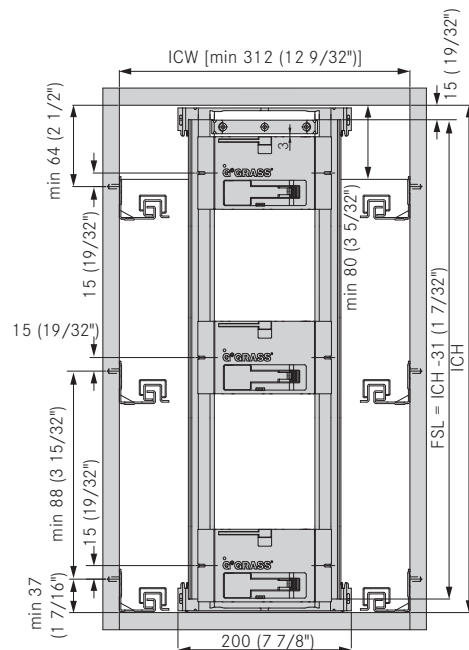
Mounting dimensions Dynapro	X (inside)	Y	Min ICW
Wood back panel	NL + 15 (19/32")	NL	312 (12 9/32")

Legend

Position of Opening Unit for Dynapro

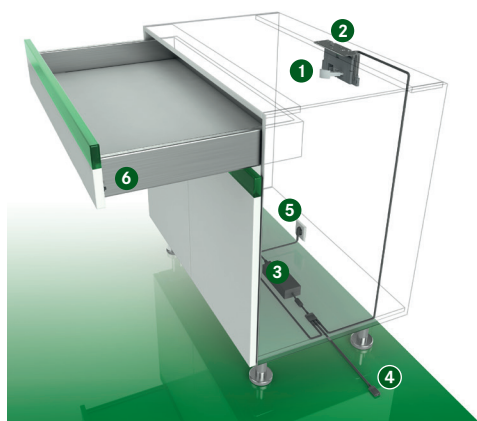
Position of Front Bumper

- A = fixing bracket used at top and bottom
- B = frame connector
- C = frame sides
- FH = front height
- FO = front overlay
- FSL = frame side length
- ICH = inside cabinet height
- ICW = inside cabinet width
- NL = nominal length of cabinet slide
- X = min installation depth
- Y = depth of hole pattern



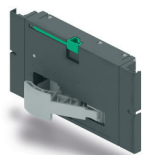
Sensomatic for Dynapro

Single drawer with top mounting



- Electro-mechanical opening system
- Sensomatic works with any Dynapro drawer design
- Activated by a light touch anywhere on the drawer front
- One drive unit for cabinets widths up to 47" (1200mm)
- Full-extension for maximum access to drawer contents
- Soft-closing action pulls the drawer closed
- Ideal for accessories such as wire baskets, waste bins, or roll-out trays

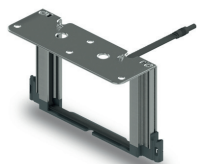
1 Opening Unit



	Item No.	PU
For Dynapro	F121100268607	10

PU - 10 pieces, individually packaged

2 Frame for Top Assembly



	Item No.	PU
Height 120mm (4 23/32")	F121100272207	10

3 Power Supply Unit



	Item No.	PU
Power supply unit	F121100269607	10

PU = 10 pieces, individually packaged. One power supply operates up to 30 opening units

4 Connection Cable with 2-way-adapter



Length	Item No.	PU
600mm	F121100288207	10
1000mm	F121100289207	10
1600mm	F121100290207	10
2000mm	F121100291207	10

5 Power Cord, 1.8 m (6')



Type of plug	Item No.	PU
Power cord (USA, CA)	69760-04	10

6 Spring-loaded Front Bumper



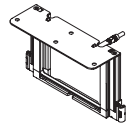
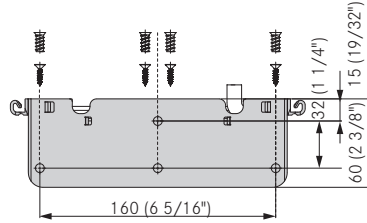
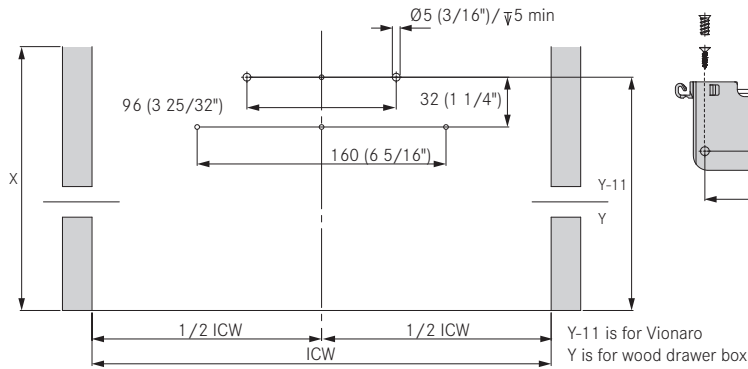
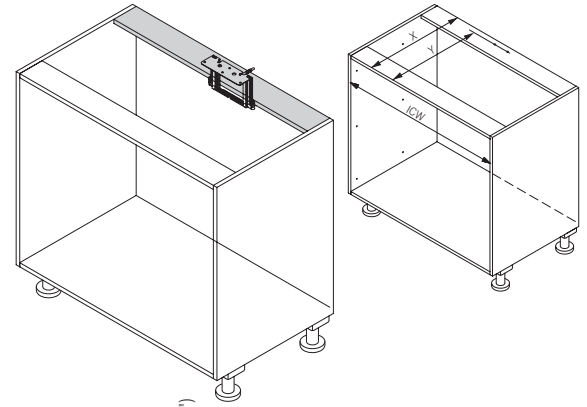
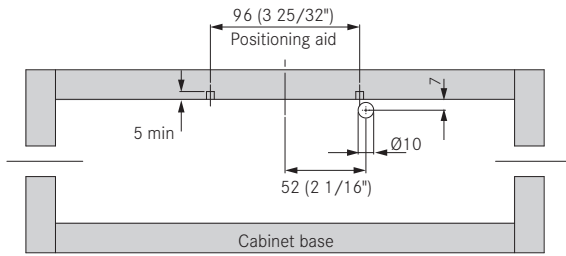
Ø 5mm	Item No.	PU
Front gap 2.2mm	F121100294223	100
Front gap 3mm	F121100295223	100

Ø 8mm	Item No.	PU
Front gap 3mm	F121100298223	100

PU - Packaging unit

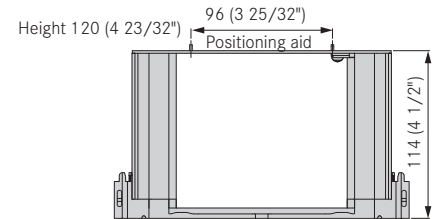
Mounting Dimensions

Back wall cabling



Frame for top mounting

Mounting dimensions Dynapro	X (inside)	Y	Min ICW
Wood back panel	NL + 15 (19/32")	NL	312 (12 9/32")

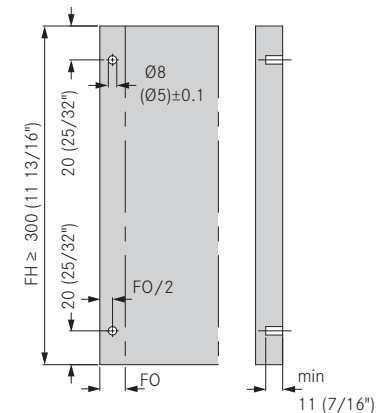
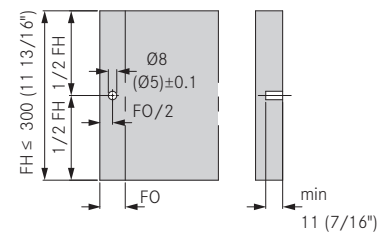
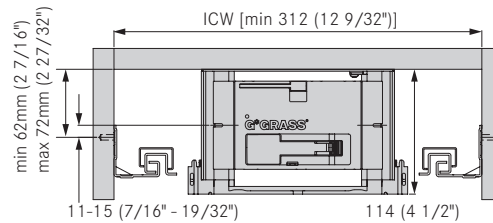


Legend

Position of Opening Unit for Dynapro

Position of Front Bumper

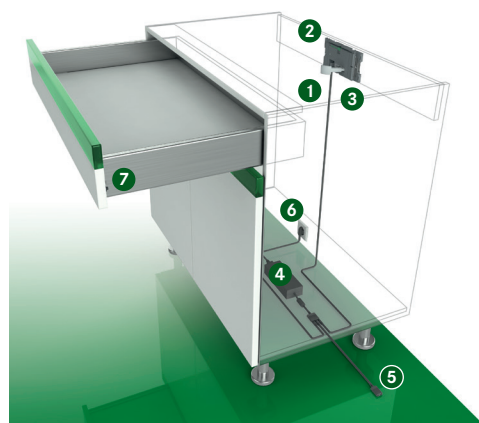
Height 120 (4 23/32")



FH = front height
FO = front overlay
ICW = inside cabinet width
NL = nominal length of cabinet slide
X = min installation depth
Y = depth of hole pattern

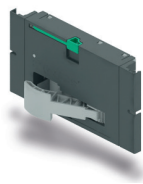
Sensomatic for Dynapro

Single drawer with back panel mounting



- Electro-mechanical opening system
- Sensomatic works with any Dynapro drawer design
- Activated by a light touch anywhere on the drawer front
- One drive unit for cabinets widths up to 47" (1200mm)
- Full extension for maximum access to drawer contents
- Soft-closing action pulls the drawer closed

1 Opening Unit



	Item No.	PU
For Dynapro	F121100268607	10

PU - 10 pieces, individually packaged

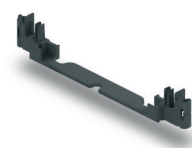
2 Frame Sides, Including Frame Side Cable



	Item No.	PU
with pre-drilled mounting hole	F121100283207	10

PU - 10 pairs

3 Frame Connector



	Item No.	PU
Frame connector	F121100282211	20

4 Power Supply Unit



	Item No.	PU
Power supply unit	F121100269607	10

PU = 10 pieces, individually packaged

One power supply operates up to 30 opening units

5 Connection Cable with 2-way-adapter



Length	Item No.	PU
600mm	F121100288207	10
1000mm	F121100289207	10
1600mm	F121100290207	10
2000mm	F121100291207	10

6 Power Cord, 1.8 m (6')



Type of plug	Item No.	PU
Power cord (USA, CA)	69760-04	10

7 Spring-loaded Front Bumper

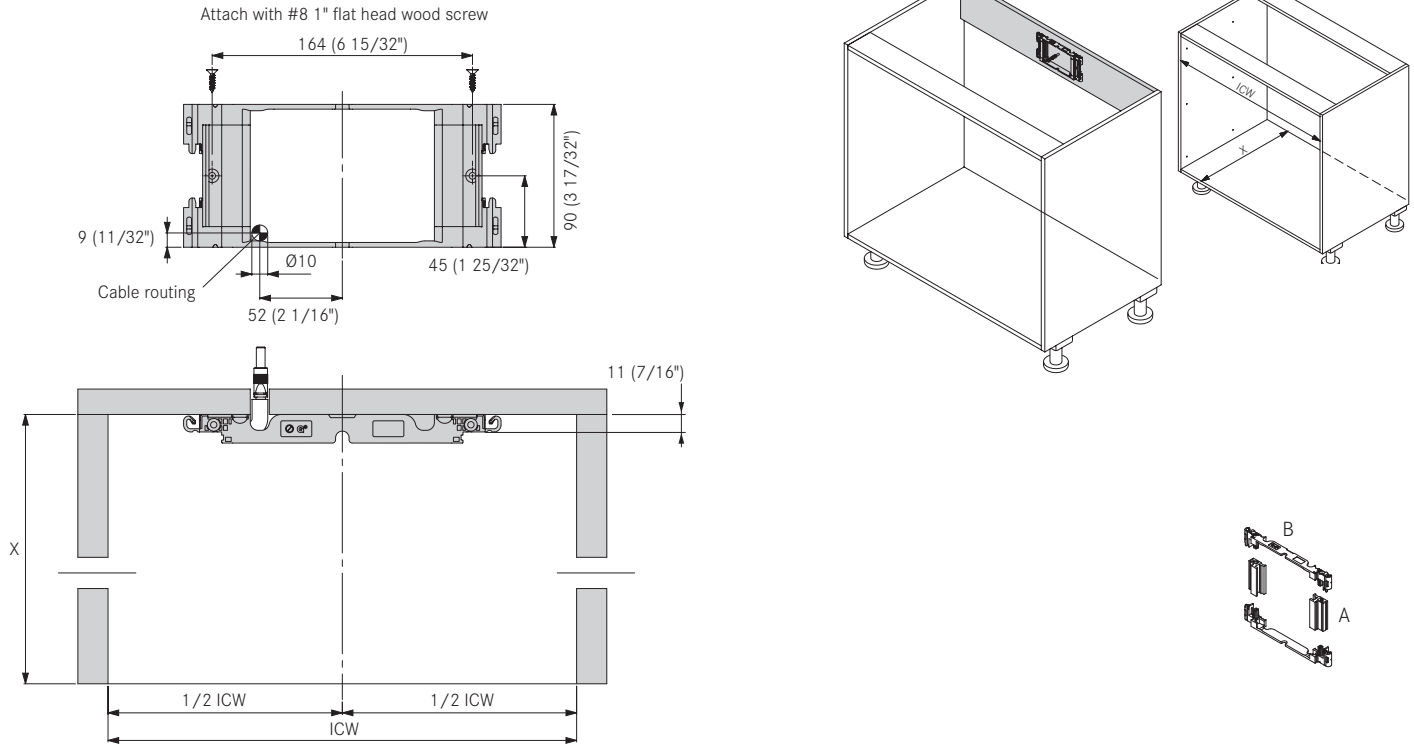


Ø 5mm	Item No.	PU
Front gap 2.2mm	F121100294223	100
Front gap 3mm	F121100295223	100

Ø 8mm	Item No.	PU
Front gap 3mm	F121100298223	100

PU - Packaging unit

Mounting Dimensions

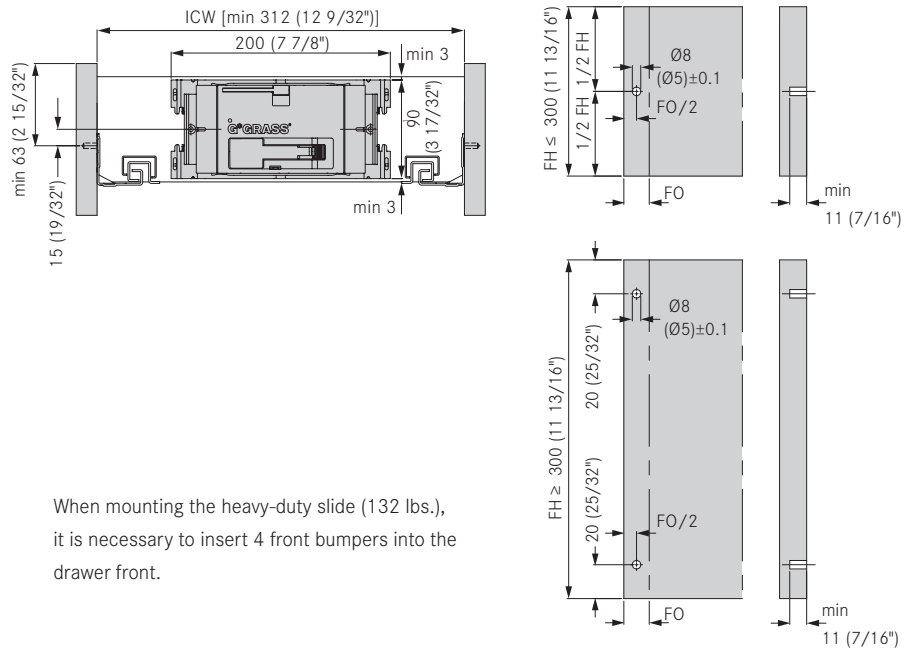


Mounting dimensions Dynapro	X (inside)	Min ICW
Wood back panel	NL + 15 (19/32")	312 (12 9/32")

Legend

Position of Opening Unit for Dynapro

Position of Front Bumper

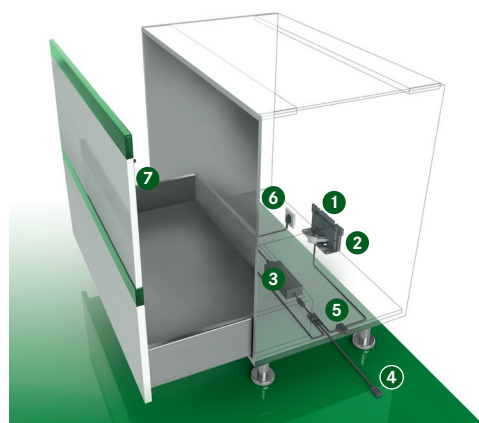


- A = frame Sides
- B = frame connector
- FH = front height
- FO = front overlay
- ICW = inside cabinet width
- NL = nominal length of cabinet slide
- X = min installation depth
- Y = depth of hole pattern

When mounting the heavy-duty slide (132 lbs.), it is necessary to insert 4 front bumpers into the drawer front.

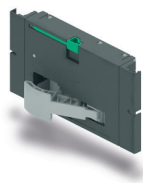
Sensomatic for Dynapro

Waste bin cabinet with bottom panel frame mounting



- Electro-mechanical opening system
- Sensomatic works with any Dynapro drawer design
- Activated by a light touch anywhere on the drawer front
- One drive unit for cabinets widths up to 47" (1200mm)
- Full-extension for maximum access to drawer contents
- Soft-closing action pulls the drawer closed
- Ideal for accessories such as wire baskets, waste bins, or roll-out trays

1 Opening Unit



	Item No.	PU
For Dynapro	F121100268607	10

PU - 10 pieces, individually packaged

2 Base Frame



	Item No.	PU
for Dynapro	F121100271207	10

3 Power Supply Unit



	Item No.	PU
Power supply unit	F121100269607	10

PU = 10 pieces, individually packaged
One power supply operates up to 30 opening units

4 Connection Cable with 2-way-adapter



Length	Item No.	PU
1000mm	F121100289207	10
1600mm	F121100290207	10
2000mm	F121100291207	10

5 4-way-adapter



Type of plug	Item No.	PU
4-way-adapter	F121100293207	10

6 Power Cord, 1.8 m (6')



Type of plug	Item No.	PU
Power cord (USA, CA)	69760-04	10

7 Spring-loaded Front Bumper



Ø 5mm	Item No.	PU
Front gap 2.2mm	F121100294223	100
Front gap 3mm	F121100295223	100

Ø 8mm	Item No.	PU
Front gap 3mm	F121100298223	100

Sensomatic Kit



Set includes:

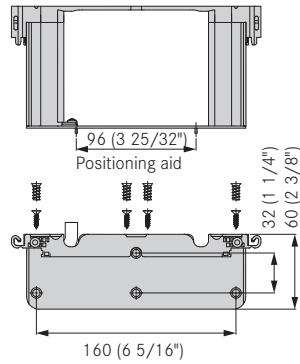
Opening unit: 1 Power cord: 1
Base frame: 1 Front bumpers: 4
Power supply unit : 1 (F121100294223)

	Item No.	PU
For Dynapro	F121100697201	1

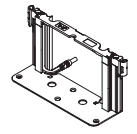
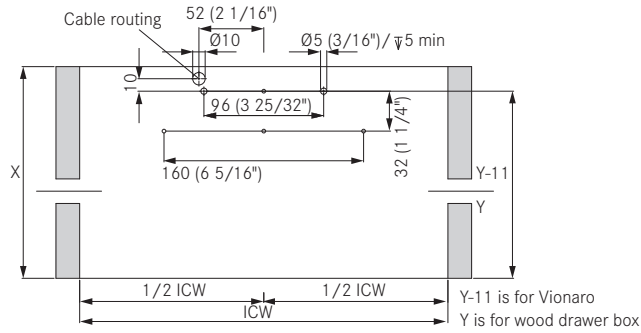
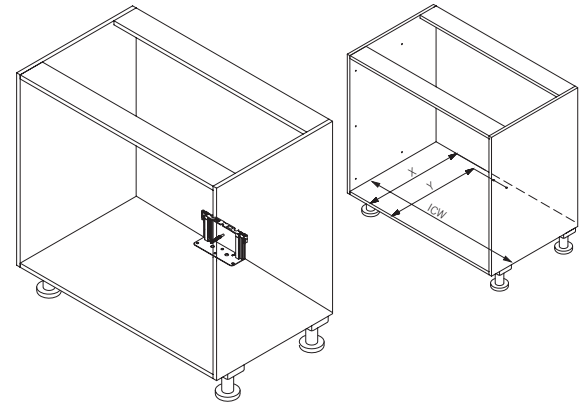
PU = 1 set

PU - Packaging unit

Mounting Dimensions



Base mounting



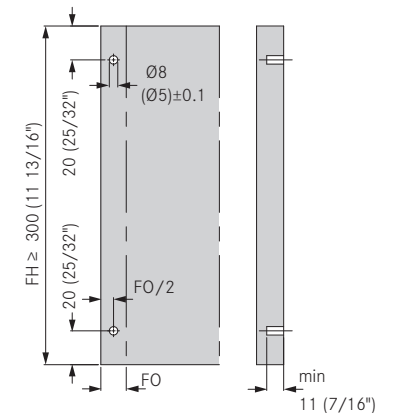
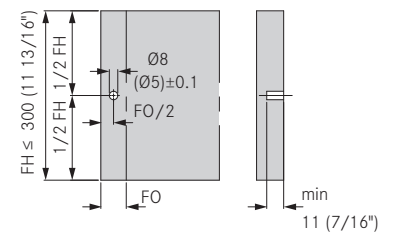
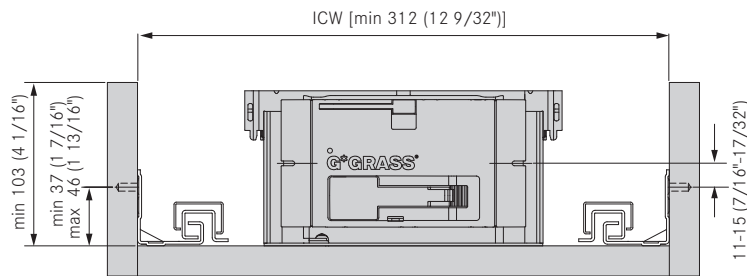
Base frame

Mounting dimensions Dynapro	X (inside)	Y	Min ICW
Wood back panel	NL + 15 (19/32")	NL	312 (12 9/32")

Legend

Position of Opening Unit for Dynapro

Position of Front Bumper



FH = front height
FO = front overlay
ICW = inside cabinet width
NL = nominal length of cabinet slide
X = min installation depth
Y = depth of hole pattern

Notes



GRASS America Inc.
1202 NC Highway 66 South
Kernersville, NC 27284

Phone: 1-800-334-3512
Fax: 1-800-525-8406

Website: www.grassusa.com
E-mail: info@grassusa.com

GRASS Canada Inc.
10 Newgale Gate, Unit 7
Toronto, ON M1X 1C5

Phone: 1-800-461-4975
Fax: 1-416-335-5907

Internet: www.grasscanada.com
E-Mail: info@grasscanada.com



www.grassusa.com