



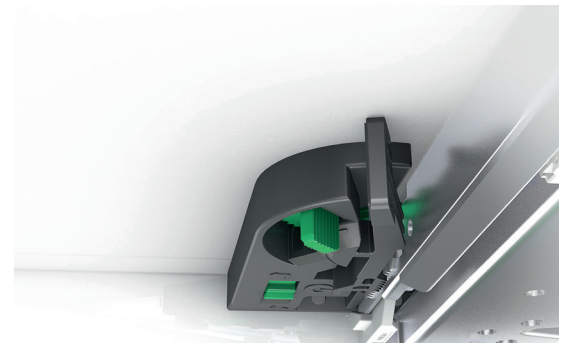
DYNAPRO



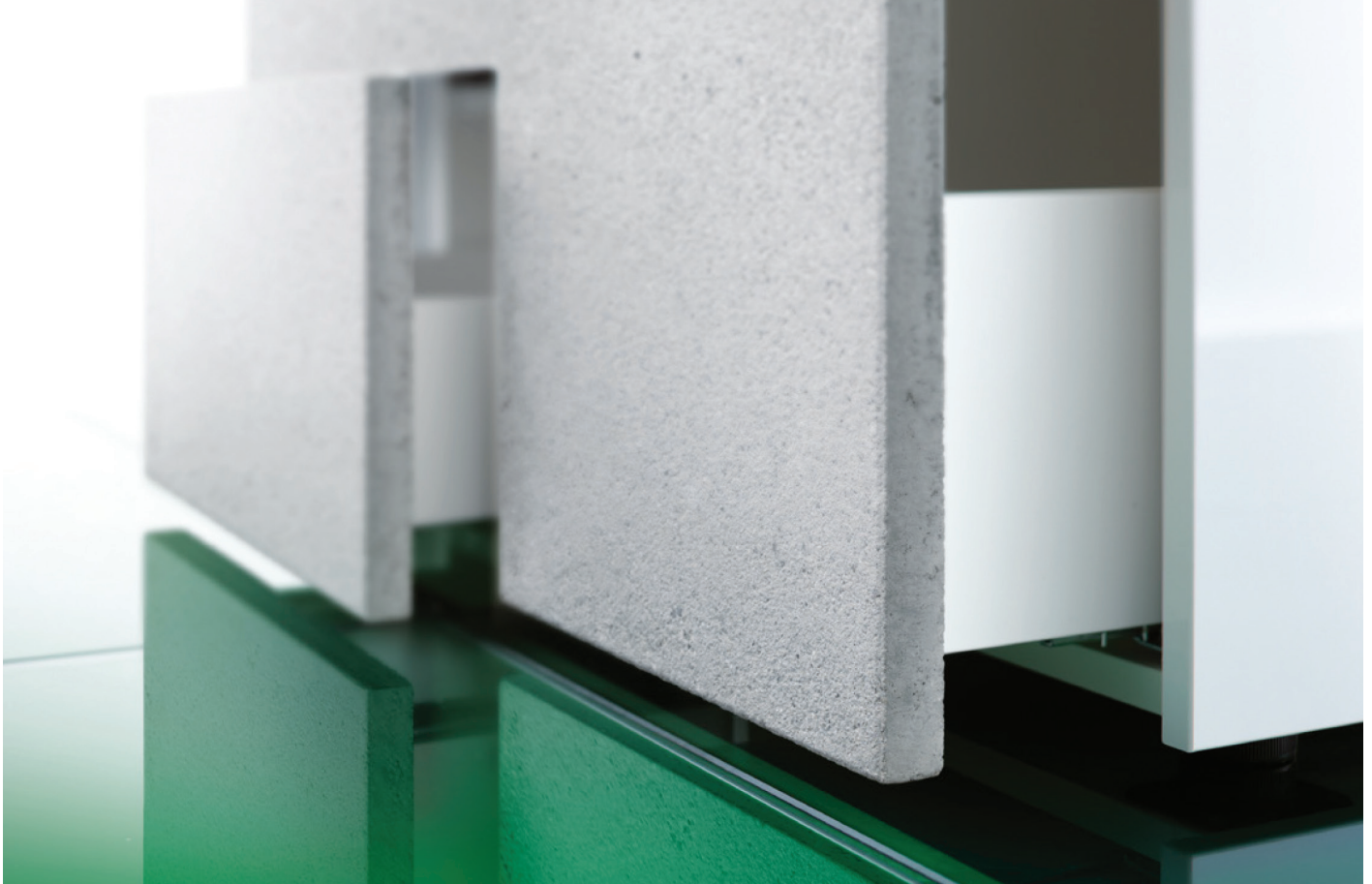
G* GRASS®

DYNAPRO SLIDE SYSTEM

Synchronized full extension concealed undermount slides.
Precision in movement, design, and comfort.







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.

A slight pull and a gentle push.

With a drawer as technically advanced as Dynapro, you will find many enhanced features. The ease in which Dynapro pulls open is smooth and comfortable. But Dynapro's closing action is what makes an impression. Whether it is the standard soft-closing action or a mechanically enhanced soft-closing action, Dynapro drawers pull closed with a smooth, gentle motion that is nothing short of amazing.



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 traditional and contemporary 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 of up to 132 lb. Abrasion-resistant nylon rollers ensure smooth and even operation. Available for drawer material ranging from 12.7mm (1/2") to 19mm (3/4").



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 combined with Dynapro is a perfect match for a new drawer system.












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.



Four options for closing comfort.

Dynapro features a liquid damper Soft-close technology for an exceptionally smooth 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. Tipmatic Soft-close has the same opening action with the added benefit of the soft-closing action. The Sensomatic electronic touch-to-open system makes it possible to create large, handle-free drawers that open with a gentle push on the front and the closing is just as smooth with another gentle push.

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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 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
- For drawers up to 48" wide
- Wide drawer member provides stability between cabinet and drawer member
- Meet and exceeds ANSI/BHMA A156.9 standard, Grade 1

Multiple cleats

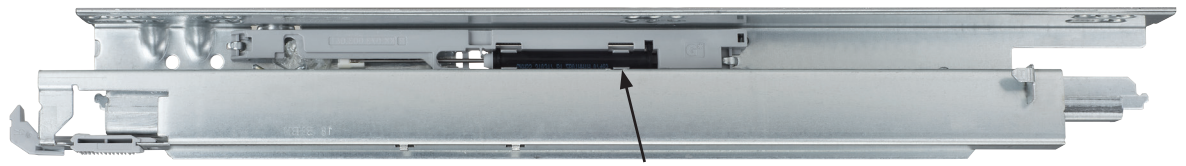
connect immediately with front locking device at installation for maximum connection between the drawer slide and front locking device.



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

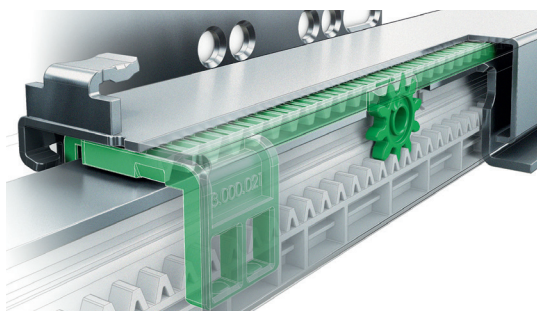
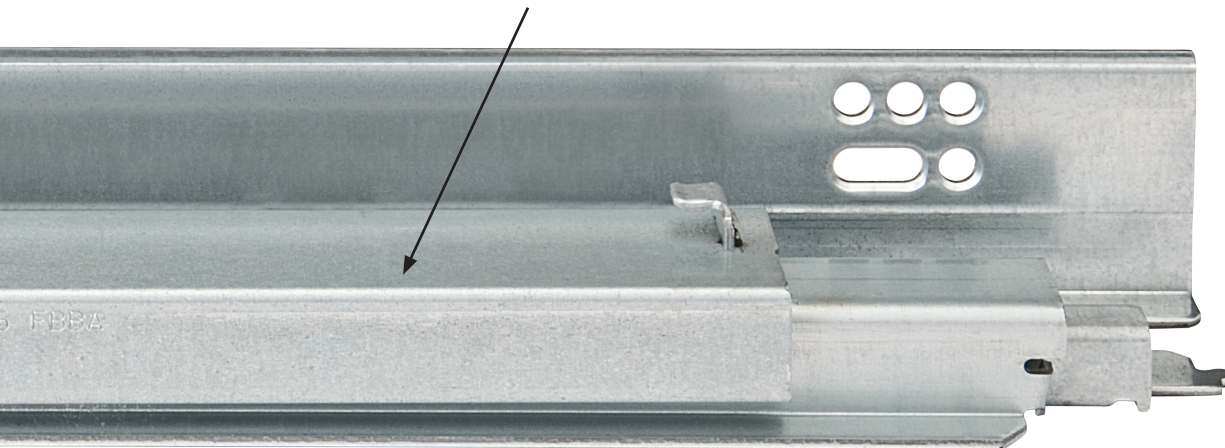
Features

- Wear resistant nylon rollers ensure quiet and precise running characteristics
- Synchronized full extension
- Face frame and frameless applications
- 100 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 adjustable front locking device
- Extended lengths for 24", 27", and 30" drawers



Liquid damper
offers the latest 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 42)



Technical Information

Dynapro

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

3D Locking Devices

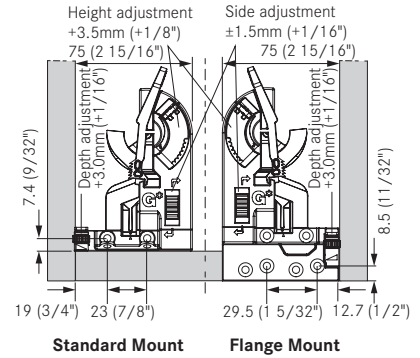


2D Locking Devices

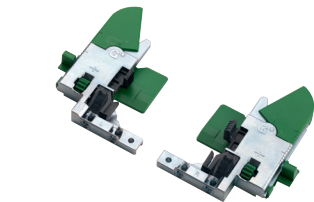


- Provides 2D or 3D adjustment for drawers
- For standard width drawers
- For standard width inset drawers
- Minimum inside drawer width 150mm (5 7/8")
- Lightweight, high strength material
- Height adjustment range: +3.5mm
- Side adjustment range: ±1.5mm
- Depth adjustment range: +3.0mm forward adjustment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

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

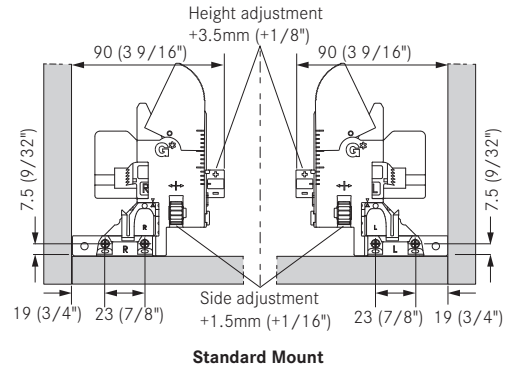


Front Locking Device with Height and Side Adjustment

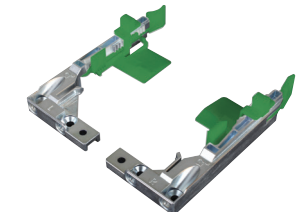


- Provides 2D adjustment for drawers
- For standard width drawers
- For standard width inset drawers
- Minimum inside drawer width 180mm (7 3/32")
- Height adjustment range: +3.5mm
- Side adjustment range: max ±1.5mm

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

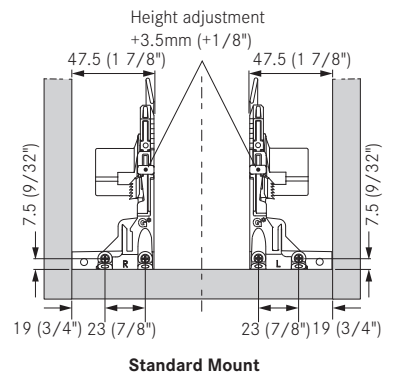


Narrow Front Locking Device with Height Adjustment



- 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")

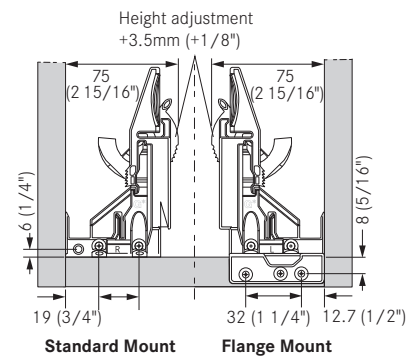


Eco Front Locking Device with Height Adjustment



- 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

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

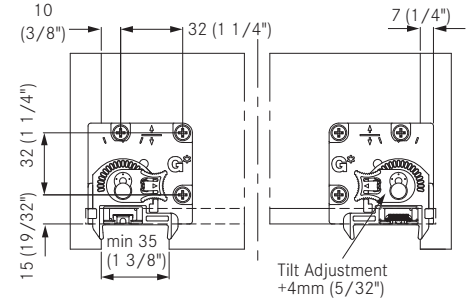


Tilt Adjustment Adapter



- Provides tilt adjustment for Dynapro 3D, Dynapro heavy duty 3D, and Dynapro extended lengths 3D
- Tilt adjustment range: +4mm (5/32")
- For frameless or face frame applications

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



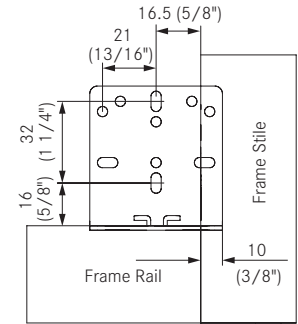
Rear Mounting Brackets for Face Frame Applications

Rear Mounting Bracket for 12" - 21" Slides

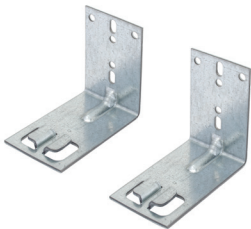


- For 12" - 21" drawers
- For face frame application

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

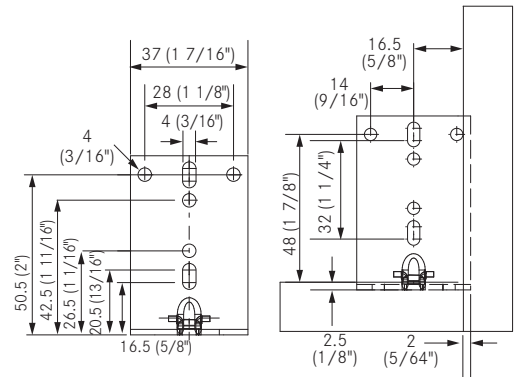


Narrow Rear Mounting Bracket for 12" - 21" Slides

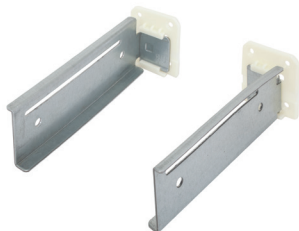


- For 12" - 21" drawers
- For face frame application with narrow recess of side panel

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

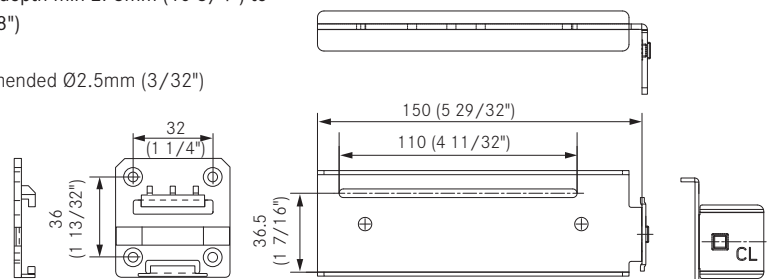


Rear Mounting Socket for 9" Slides



- For 9" drawer
- For face frame application
- For installation depth min 273mm (10 3/4") to 352mm (13 7/8")

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



Technical Information

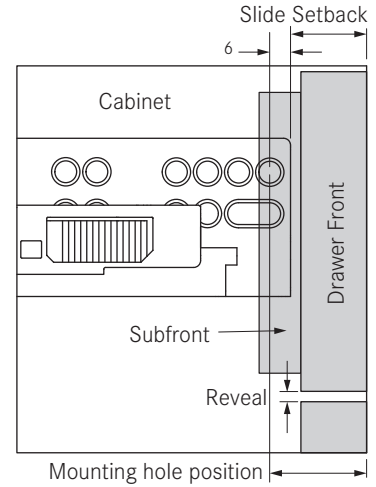
Inset drawer applications



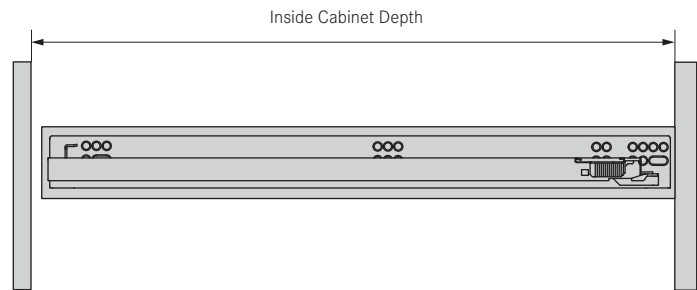
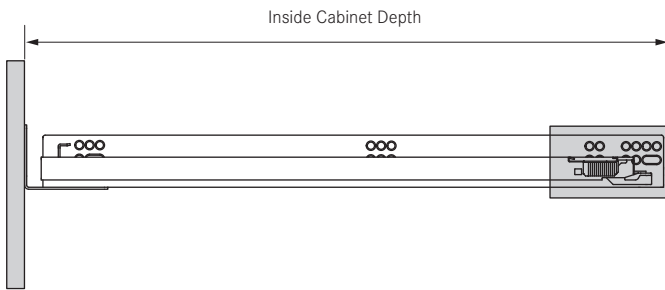
- For inset drawer application with subfronts
- For face frame and frameless applications
- Use corresponding charts based on front locking device to determine slide setback

IMPORTANT

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

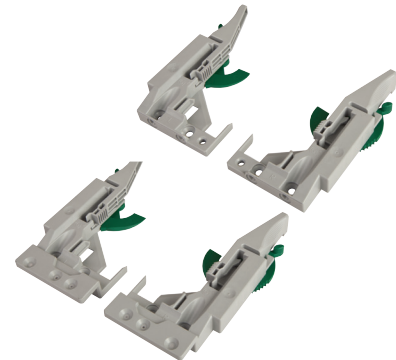
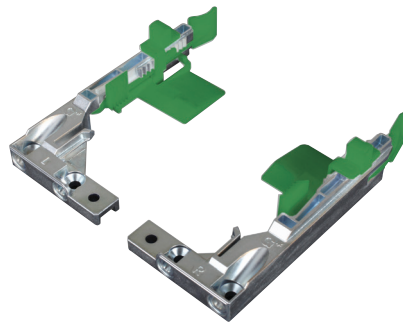
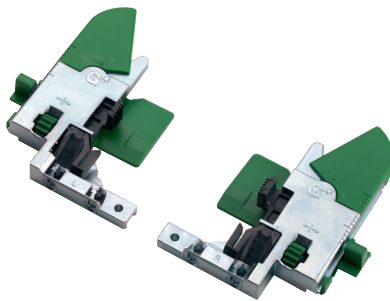


Face Frame Inset Drawer with Partial Blockout Frameless Inset Drawer with Full Blockout



Slide Setback for Front Locking Devices

Front Locking Device Narrow Front Locking Device Eco Front Locking Devices



| | | Drawer Front Thickness | | | | |
|--------------------|------|------------------------|------|------|------|------|
| | | 12.7 | 16 | 19 | 22 | |
| Subfront Thickness | 19 | 3/4" | 18.2 | 21.5 | 24.5 | 27.5 |
| | 16 | 5/8" | 15.7 | 19 | 22 | 25 |
| | 12.7 | 1/2" | 15.7 | 19 | 22 | 25 |
| Slide Setback | | | | | | |

For Subfront 12,13,14,15,16:

Slide Setback = Drawer Front + 3mm

For Subfront 17,18,19:

Slide Setback = Drawer Front + Subfront - 13.5mm

| | | Drawer Front Thickness | | | | |
|--------------------|------|------------------------|------|------|------|------|
| | | 12.7 | 16 | 19 | 22 | |
| Subfront Thickness | 19 | 3/4" | 18.2 | 21.5 | 24.5 | 27.5 |
| | 16 | 5/8" | 15.7 | 19 | 22 | 25 |
| | 12.7 | 1/2" | 15.7 | 19 | 22 | 25 |
| Slide Setback | | | | | | |

For Subfront 12,13,14,15,16:

Slide Setback = Drawer Front + 3mm

For Subfront 17,18,19:

Slide Setback = Drawer Front + Subfront - 13.5mm

| | | Drawer Front Thickness | | | | |
|--------------------|------|------------------------|------|------|------|------|
| | | 12.7 | 16 | 19 | 22 | |
| Subfront Thickness | 19 | 3/4" | 18.2 | 21.5 | 24.5 | 27.5 |
| | 16 | 5/8" | 15.7 | 19 | 22 | 25 |
| | 12.7 | 1/2" | 15.7 | 19 | 22 | 25 |
| Slide Setback | | | | | | |

For Subfront 12,13,14,15,16:

Slide Setback = Drawer Front + 3mm

For Subfront 17,18,19:

Slide Setback = Drawer Front + Subfront - 13.5mm

Slide Setback for 2D and 3D Front Locking Devices

3D Flanged Front Locking Device



| | | Drawer Front Thickness | | | | |
|--------------------|------|------------------------|------|------|---------------|------|
| | | 12.7 | 16 | 19 | 22 | |
| Subfront Thickness | | 1/2" | 5/8" | 3/4" | 7/8" | |
| | 19 | 3/4" | 18.2 | 21.5 | 24.5 | 27.5 |
| | 16 | 5/8" | 18.2 | 21.5 | 24.5 | 27.5 |
| | 12.7 | 1/2" | 18.2 | 21.5 | 24.5 | 27.5 |
| | | | | | Slide Setback | |

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

Slide setback for inset application based on depth adjuster fully retracted

3D Front Locking Device



| | | Drawer Front Thickness | | | | |
|--------------------|------|------------------------|------|------|---------------|------|
| | | 12.7 | 16 | 19 | 22 | |
| Subfront Thickness | | 1/2" | 5/8" | 3/4" | 7/8" | |
| | 19 | 3/4" | 19.7 | 22.9 | 26.1 | 29.0 |
| | 16 | 5/8" | 16.7 | 19.9 | 23.1 | 26.0 |
| | 12.7 | 1/2" | 17.2 | 20.4 | 23.6 | 26.5 |
| | | | | | Slide Setback | |

Slide setback for inset application based on depth adjuster fully retracted

2D Flanged Front Locking Device



| | | Drawer Front Thickness | | | | |
|--------------------|------|------------------------|------|------|---------------|------|
| | | 12.7 | 16 | 19 | 22 | |
| Subfront Thickness | | 1/2" | 5/8" | 3/4" | 7/8" | |
| | 19 | 3/4" | 18.2 | 21.5 | 24.5 | 27.5 |
| | 16 | 5/8" | 18.2 | 21.5 | 24.5 | 27.5 |
| | 12.7 | 1/2" | 18.2 | 21.5 | 24.5 | 27.5 |
| | | | | | Slide Setback | |

Slide Setback = Drawer Front + 5.5mm

2D Front Locking Device



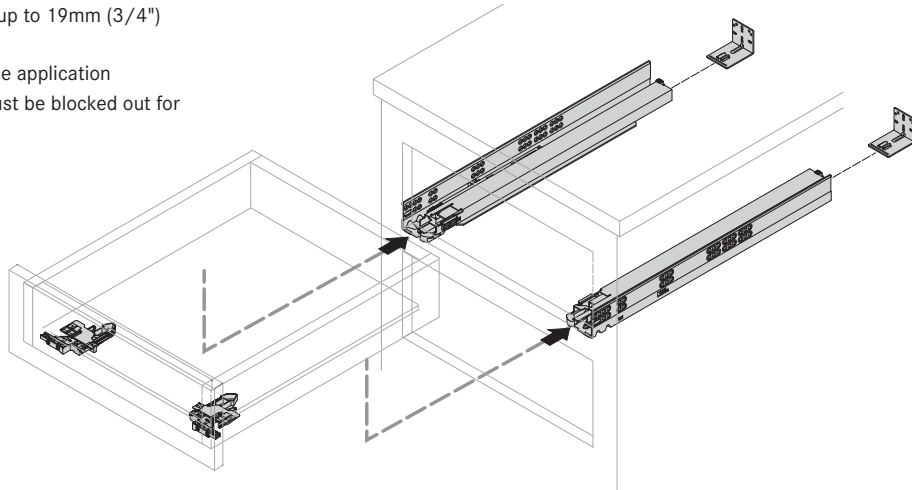
| | | Drawer Front Thickness | | | | |
|--------------------|------|------------------------|------|------|---------------|------|
| | | 12.7 | 16 | 19 | 22 | |
| Subfront Thickness | | 1/2" | 5/8" | 3/4" | 7/8" | |
| | 19 | 3/4" | 18.2 | 21.4 | 24.6 | 27.5 |
| | 16 | 5/8" | 16.2 | 19.4 | 22.6 | 25.5 |
| | 12.7 | 1/2" | 17.2 | 20.4 | 23.6 | 26.5 |
| | | | | | Slide Setback | |

Technical Information

Dynapro

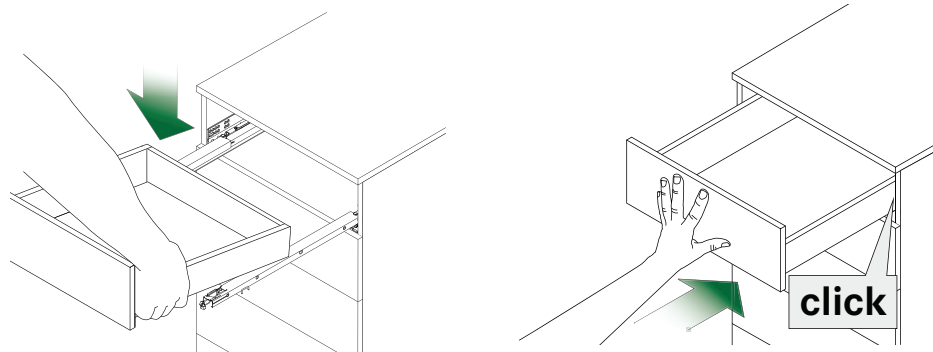
Dynapro Application

- For drawer material from 12.7mm (1/2") up to 19mm (3/4")
- For frameless or face frame application
- Use rear bracket or blockout for face frame application
- Heavy duty and extended length slides must be blocked out for face frame application



Inserting the Drawer

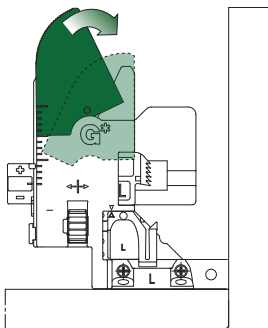
Place drawer on extended Dynapro slide and push in until it engages audibly



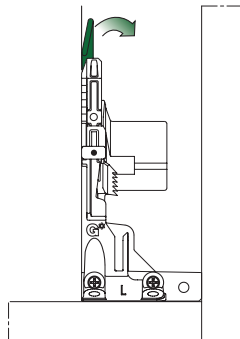
Disengaging the Drawer

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

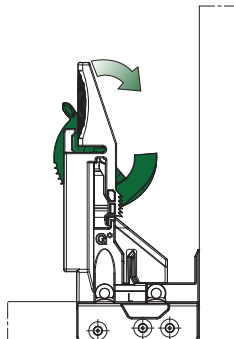
Front Locking Device



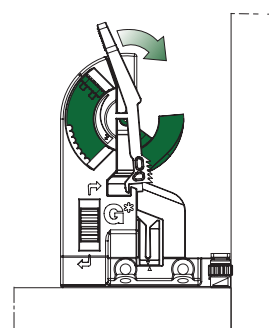
Narrow Front Locking Device



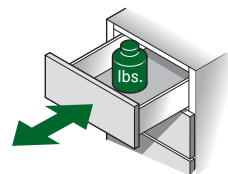
Eco Front Locking Device



2D/3D Front Locking Devices



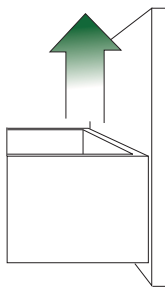
Weight Capacities per Pair of Slides



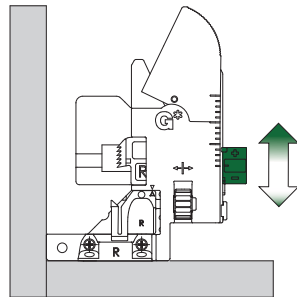
Dynapro and Tipmatic: 100 lb dynamic load rating, 100 lb static load rating
Dynapro Heavy Duty: 132 lb dynamic load rating, 150 lb static load rating
Dynapro Extended Lengths: 110 lb dynamic load rating, 125 lb static load rating

Dynapro meets and exceeds the minimum requirements of ANSI/BHMA A156.9 Standard, Grade 1
Tested in frameless cabinetry using a minimum of 4 mounting screws

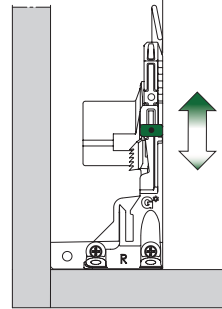
Height Adjustment (max +3.5mm)



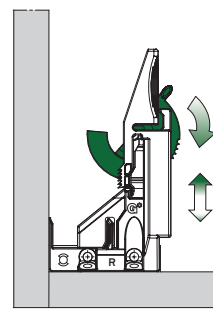
Front Locking Device



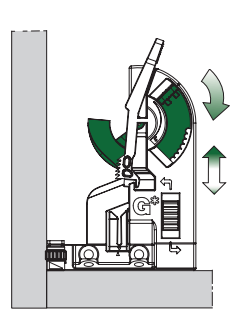
Narrow Front Locking Device



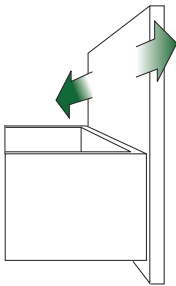
Eco Front Locking Device



2D/3D Front Locking Devices



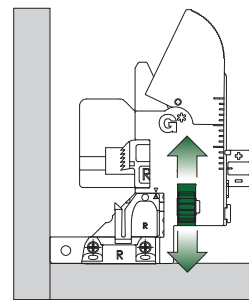
Side Adjustment (max ±1.5mm)



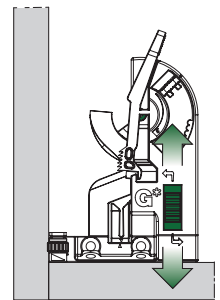
1. Adjust both wheels in the same direction

- For 3D application only:
2. Disengage drawer
 3. Re-attach drawer
 4. Drawer perfectly aligned

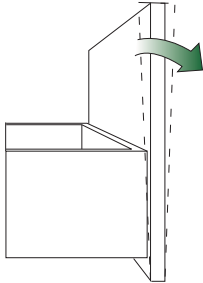
Front Locking Device



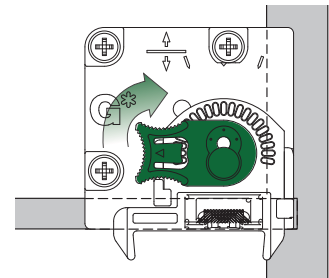
2D/3D Front Locking Devices



Tilt Adjustment (max +4.0mm)

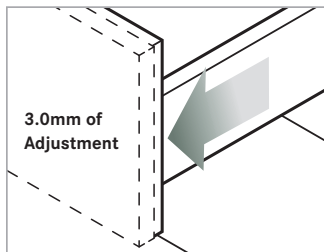


- For 3D application only:
1. Adjust both levers in opposite directions
 2. Disengage drawer
 3. Re-attach drawer



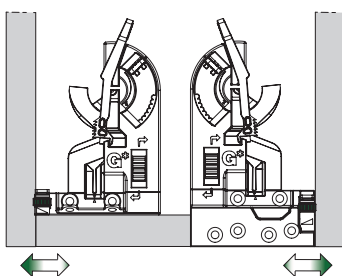
Depth Adjustment

With 2D/3D Front Locking Device (3.0mm forward)



Adjustment

For up to 3.0mm of forward adjustment turn both adjustment wheels toward outside of drawer.



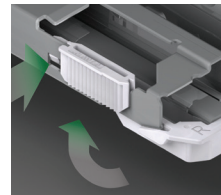
Additional Option for Dynapro Heavy Duty & Extended Length (+4.5mm forward)

Removal & Insertion

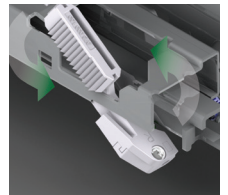
For heavy duty & extended length application only:

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

① Removal

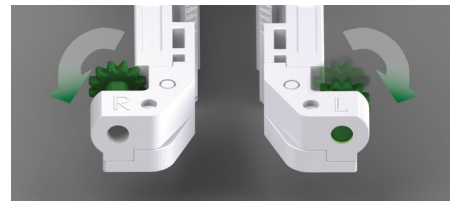


② Insertion



Screwdriver is required for removal of the standard fitting.

Adjustment



Adjustment

Adjust left and right adjustment screws simultaneously in opposite directions

Dynapro 16, Full Extension Slide, 2D

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

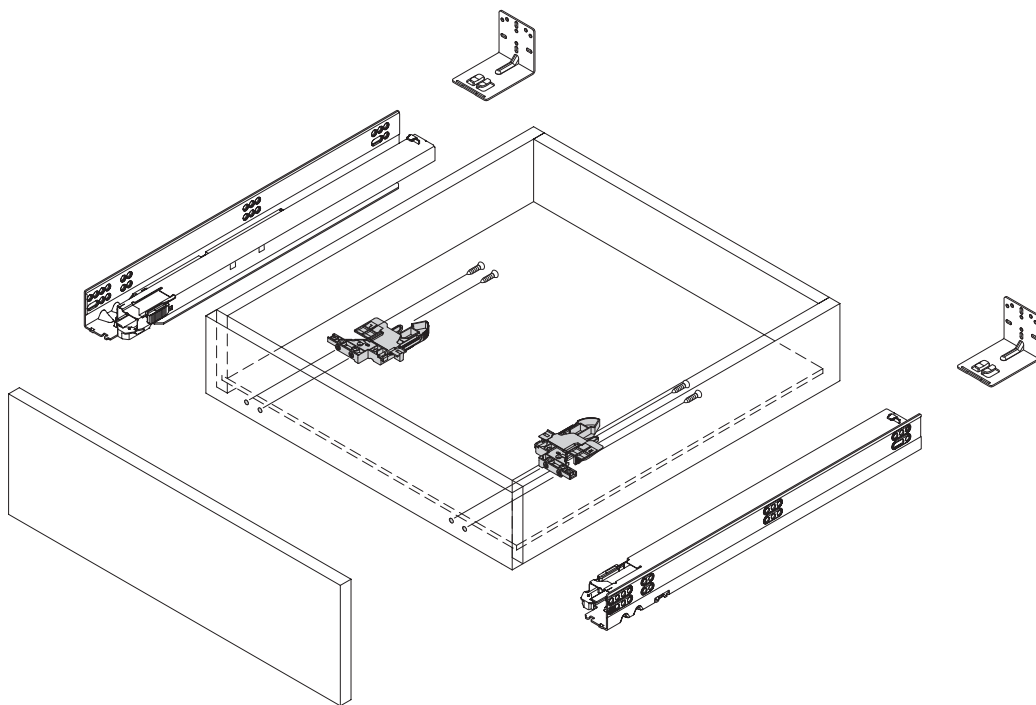


- Face frame or frameless applications from 12.7mm (1/2") up to 16mm (5/8") drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have easy release levers for drawer removal and installation
- Height adjustment +3.5mm with suitable front locking device
- Side adjustment ± 1.5 mm with suitable front locking device
- Depth adjustment +3.0mm forward with suitable front locking device
- 100 lb load rating (45 kg)

Dynapro 16 Full Extension Slide, 100 lb (45 kg)

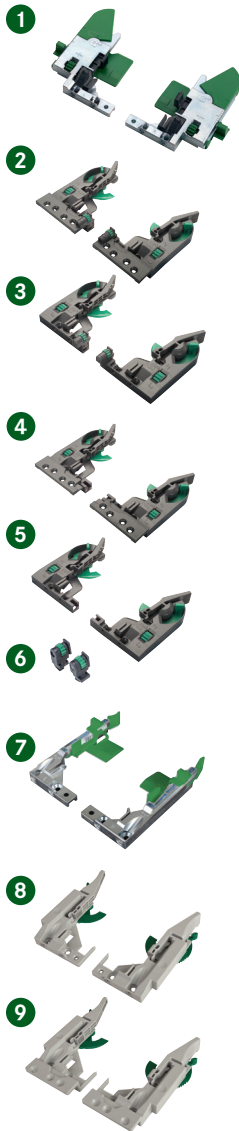


| Drawer Length | Nominal Length | Min Installation Depth | Max Installation Depth | Item No. | PU |
|---------------|-----------------|------------------------|------------------------|-----------------------|----|
| 229 (9") | 262 (10 5/16") | 273 (10 3/4") | 352 (13 7/8") | F130135013204 | 5 |
| 305 (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 |



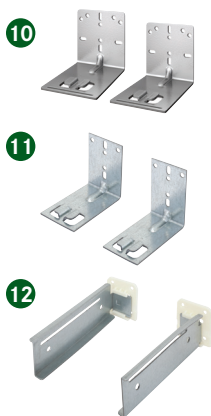
PU - Packaging unit

Front Locking Devices



| Description | Adjustments | Item No. | PU |
|--|---------------------|----------------------|-----|
| (Must order separately) | | | |
| 1 Front locking device, left | height, side | 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 |
| 8 Eco front locking device, left | height | F134101221233 | 200 |
| Eco front locking device, right | height | F134101222233 | 200 |
| Eco front locking device, set | height | F134101220517 | 5 |
| 9 Eco flanged front locking device, left | height | F134116420233 | 200 |
| Eco flanged front locking device, right | height | F134116421233 | 200 |
| Eco flanged front locking device, set | height | F134116422204 | 5 |

Rear Mounting Brackets

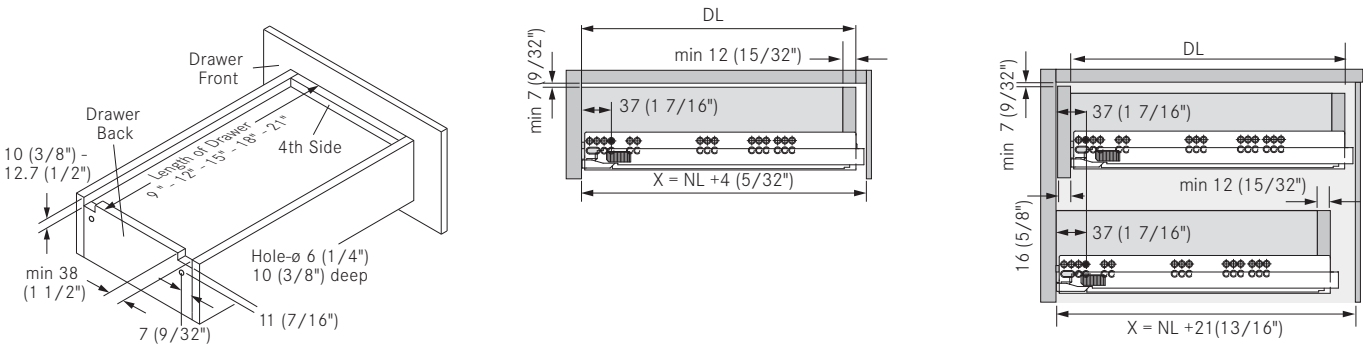


| Description | Item No. | PU |
|---|------------|-----|
| (Must order separately) | | |
| 10 Rear mounting brackets, non-handed for 12"-21" slides, each | 7950.VE300 | 300 |
| 11 Narrow rear mounting brackets, non-handed for 12"-21" slides, each | 7951.VE300 | 300 |
| 12 Rear mounting sockets for 9"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

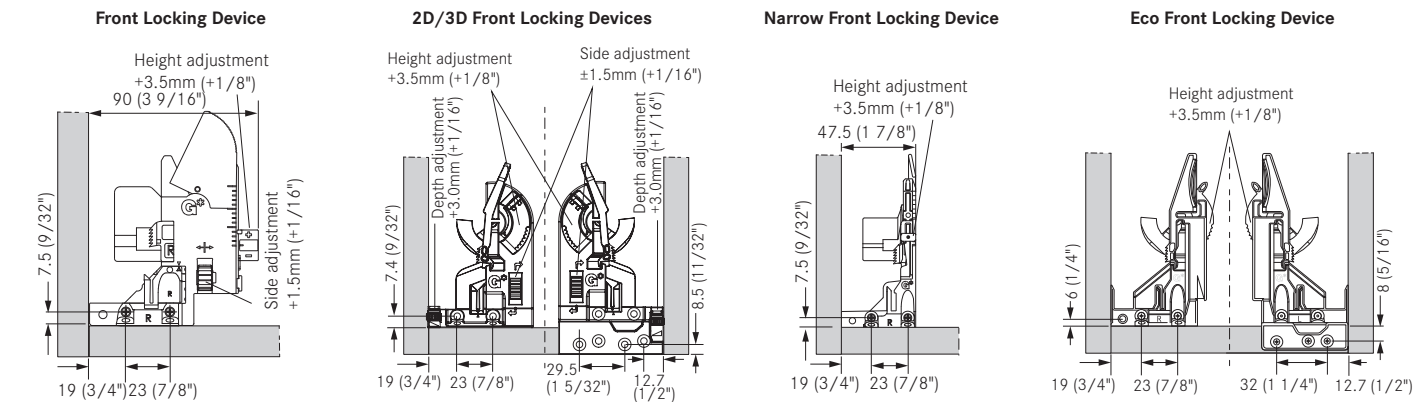
Dynapro 16, Full Extension Slide, 2D

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

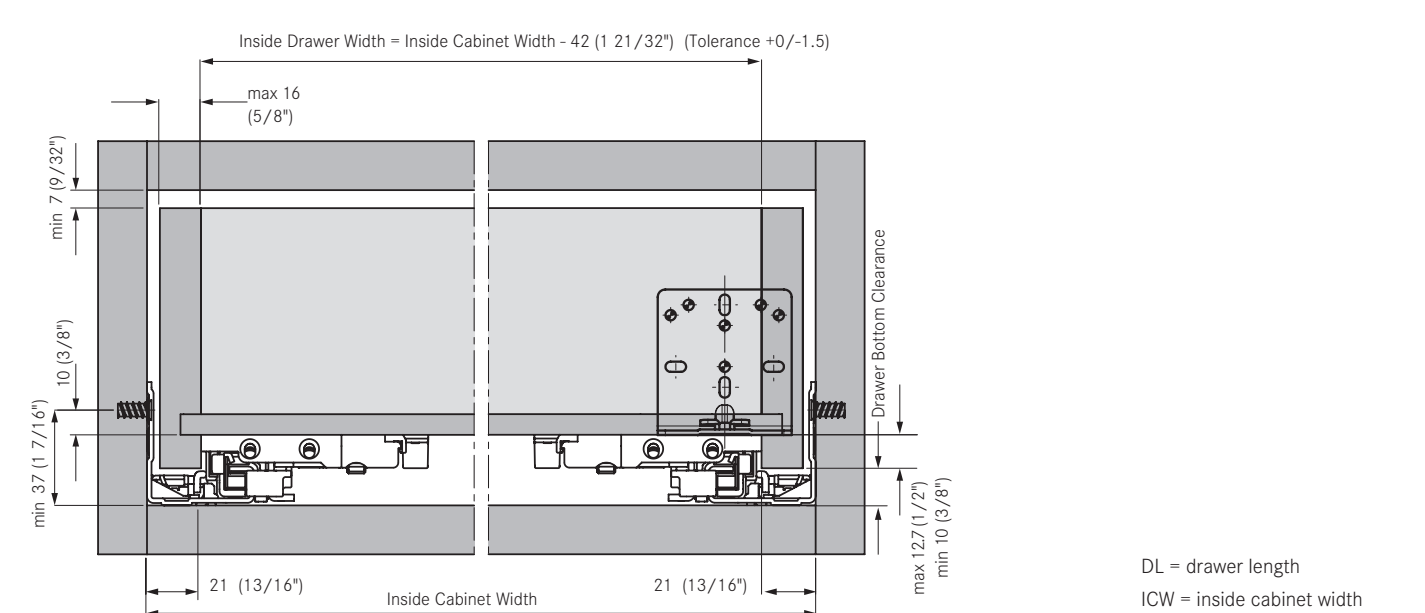
Drawer Measurements



Front Locking Device Installation



Drawer Installation Dimensions

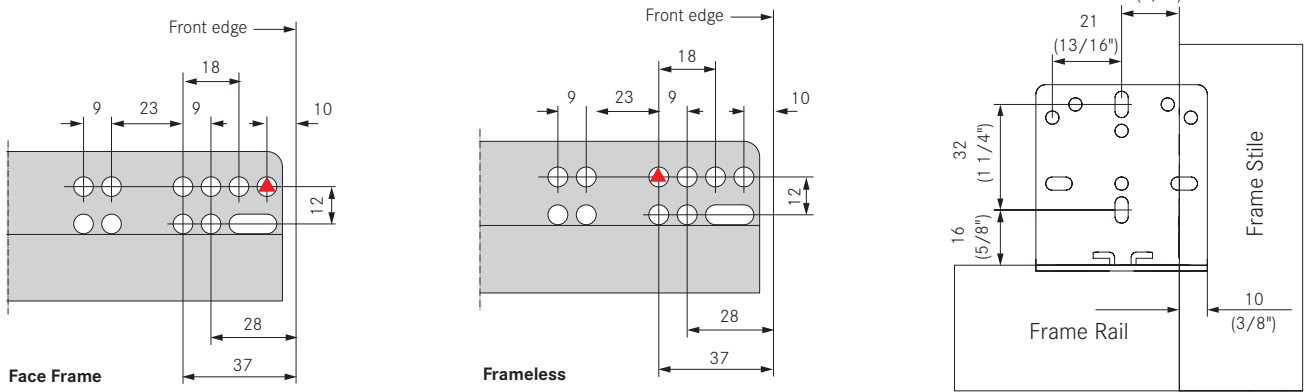


DL = drawer length
 ICW = inside cabinet width
 IDW = inside drawer width
 NL = nominal length
 X = minimum installation depth

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

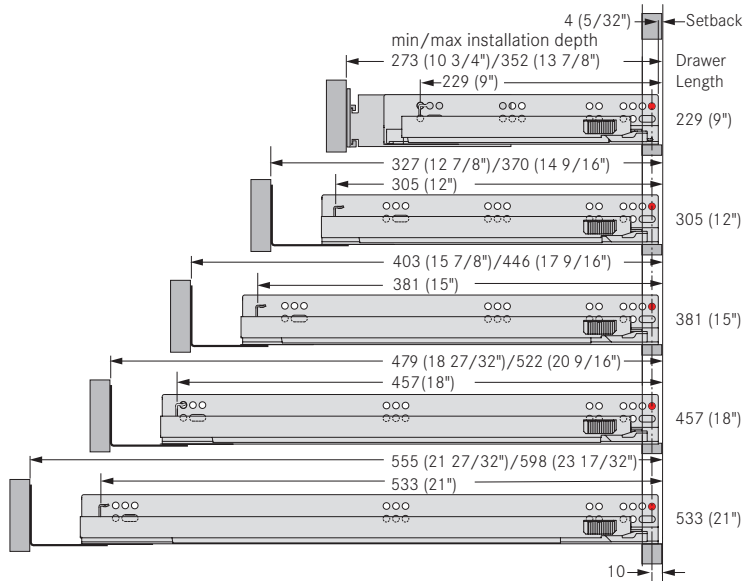
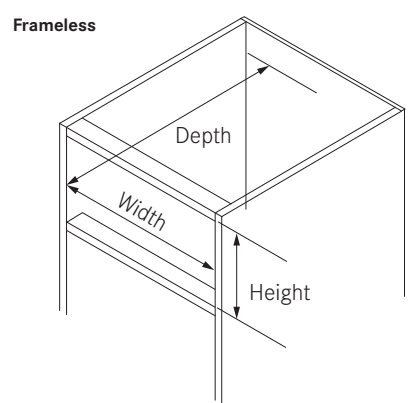
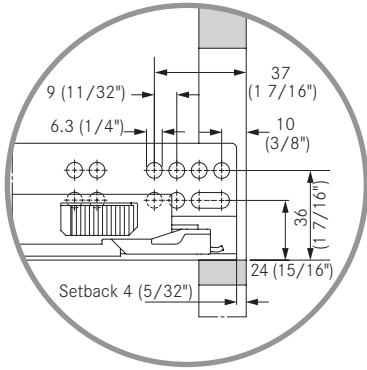
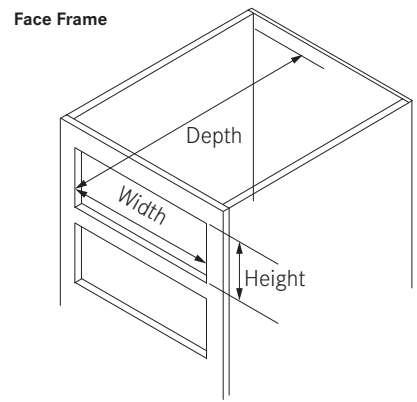
| | |
|---------------------------|----------------|
| Drawer Material Thickness | 16mm (5/8") |
| Dynamic Load | 100 lb (45 kg) |
| Static Load | 100 lb (45 kg) |

Mounting Position for Front Cabinet Profile **Rear Bracket for Face Frame**



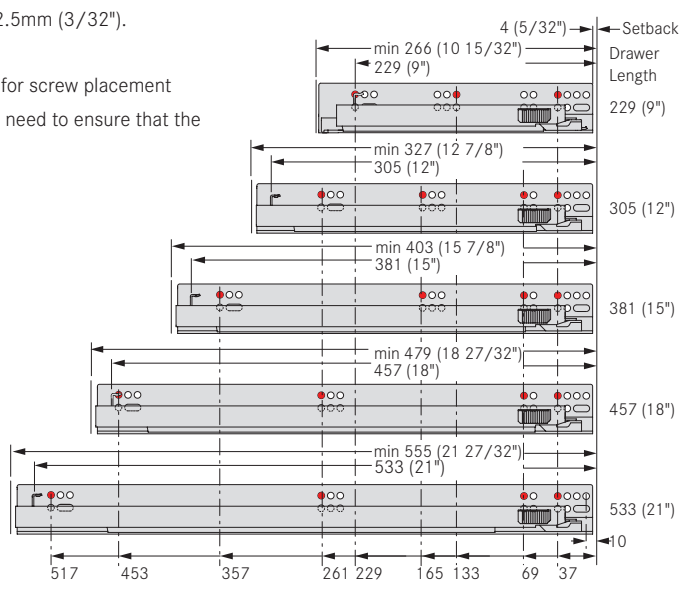
See page 9 for additional rear mounting brackets

Cabinet Boring Specifications



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, 3D

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

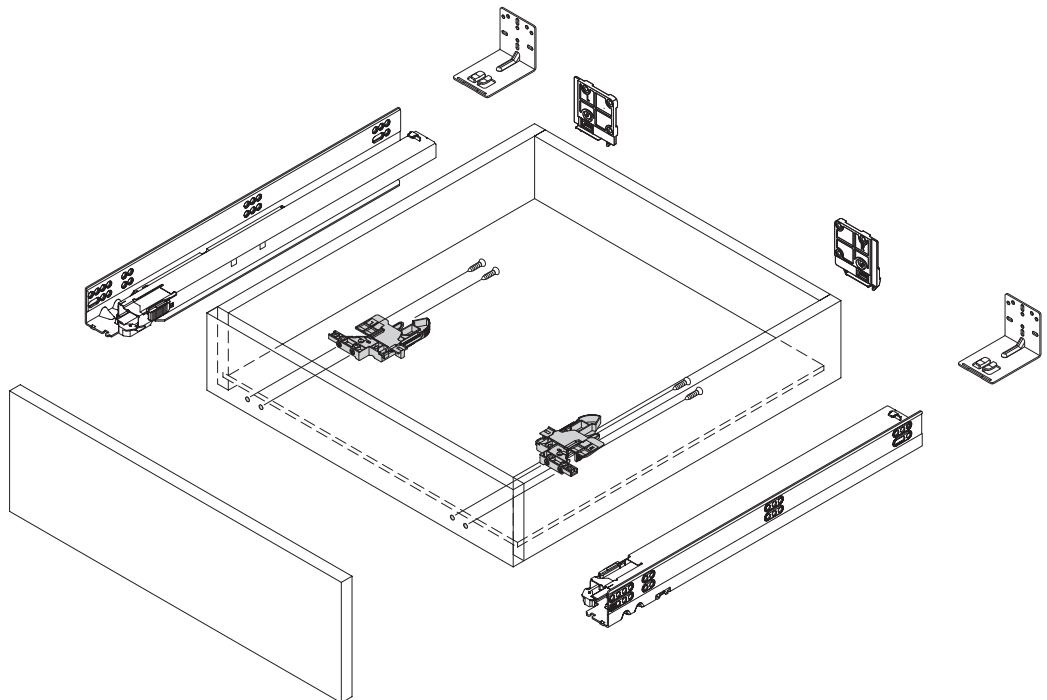


- Face frame or frameless applications from 12.7mm (1/2") up to 16mm (5/8") drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.5mm with suitable front locking device
- Side adjustment ± 1.5 mm with suitable front locking device
- Tilt adjustment +4.0mm
- Depth adjustment +3.0mm forward with suitable front locking device
- 100 lb load rating (45 kg)

Dynapro 16 Full Extension Slide, 100 lb (45 kg)

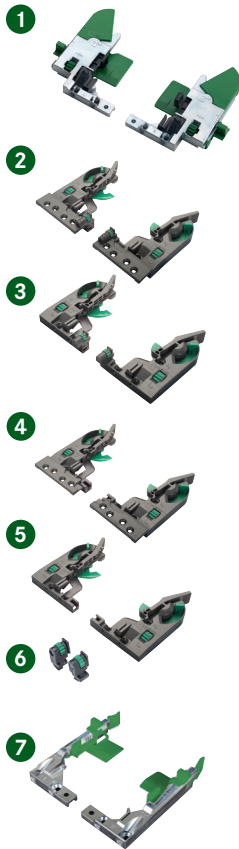


| Drawer Length | Nominal Length | Min Installation Depth | Max Installation Depth | Item No. | PU |
|---------------|-----------------|------------------------|------------------------|-----------------------|----|
| 229 (9") | 262 (10 5/16") | 273 (10 3/4") | 352 (13 7/8") | F130135003 204 | 5 |
| 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 |



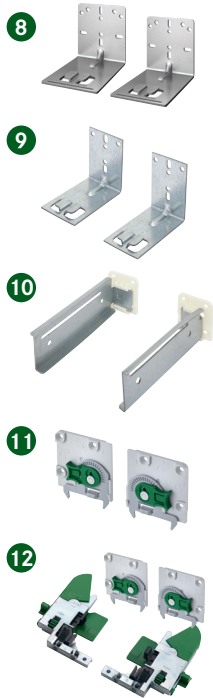
PU - Packaging unit

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

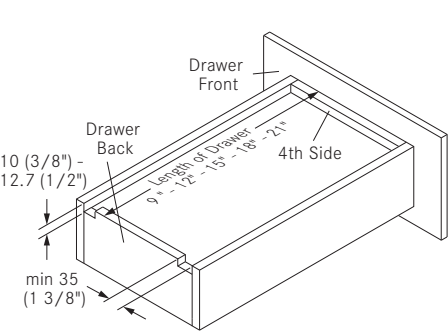


| Description | Item No. | PU |
|--|----------------------|-----|
| (Must order separately) | | |
| 8 Rear mounting brackets, non-handed for 12"-21" slides, each | 7950.VE300 | 300 |
| | | |
| 9 Narrow rear mounting brackets, non-handed for 12"-21" slides, each | 7951.VE300 | 300 |
| | | |
| 10 Rear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

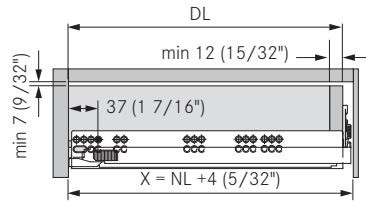
Dynapro 16, Full Extension Slide, 3D

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

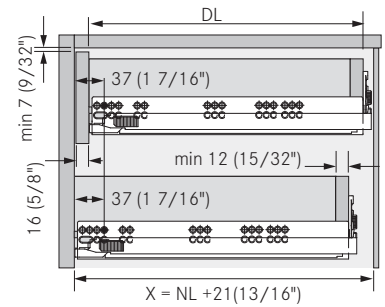
Drawer Measurements



Drawer

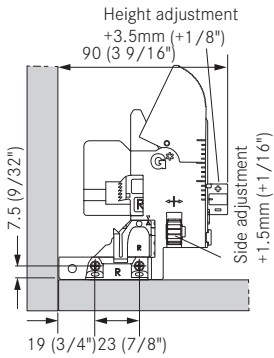


Inset Roll-out Drawer

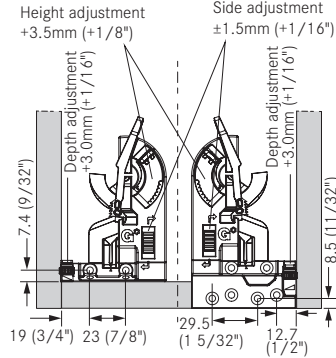


Front Locking Device Installation

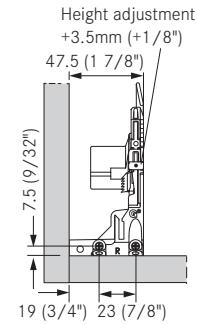
Front Locking Device



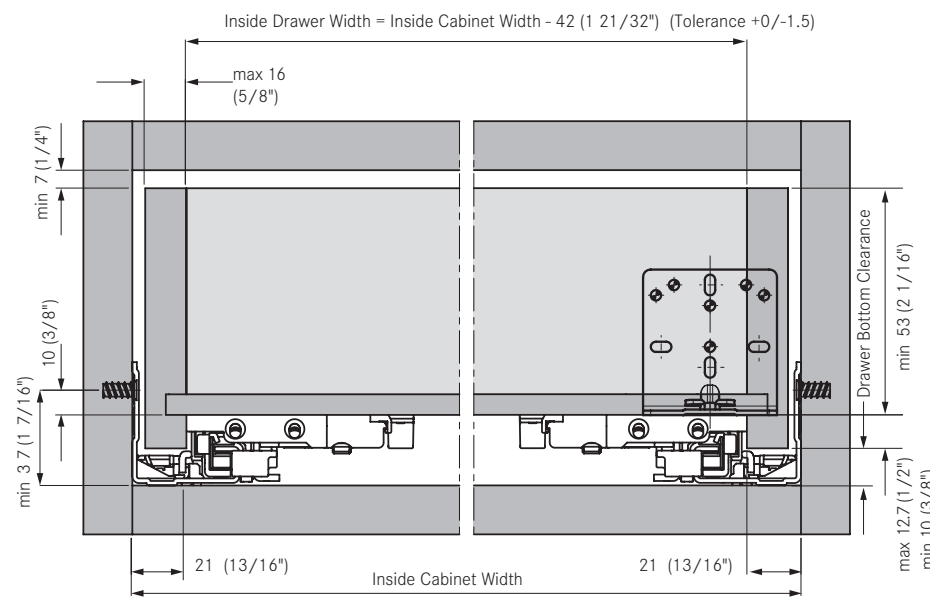
2D/3D Front Locking Devices



Narrow Front Locking Device

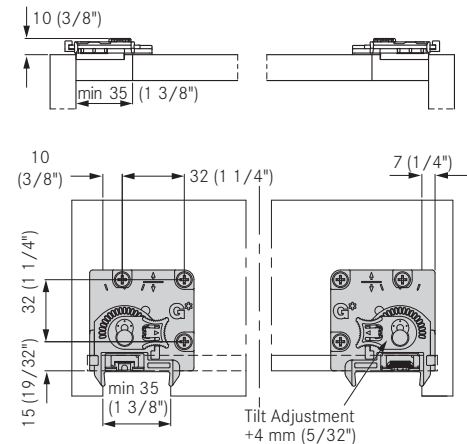


Drawer Installation Dimensions



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

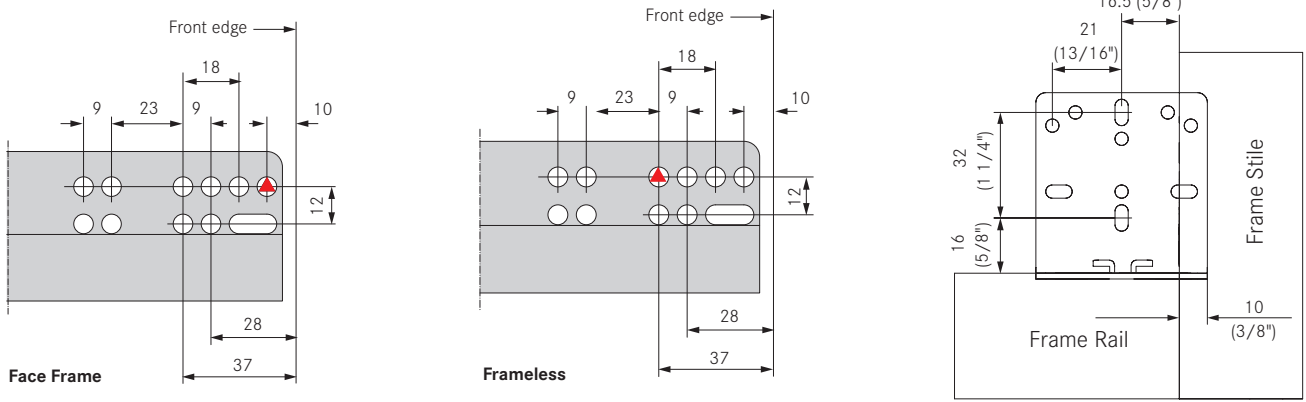
Tilt Adjustment Adapter Installation



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

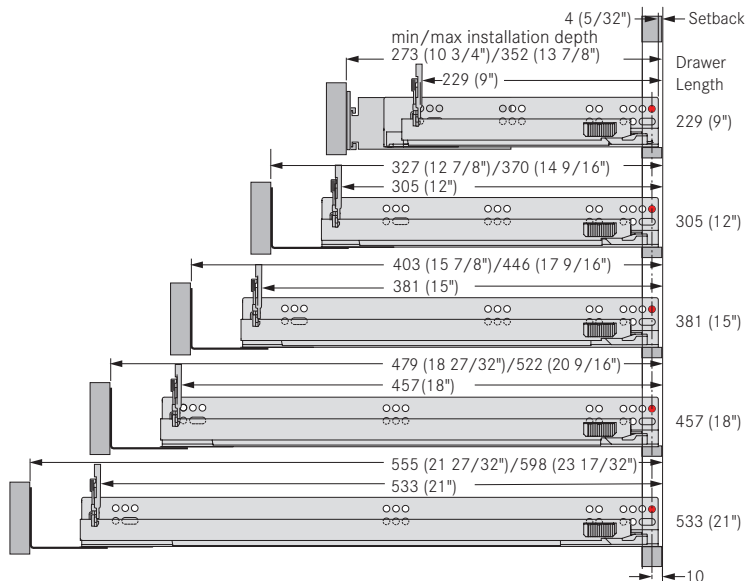
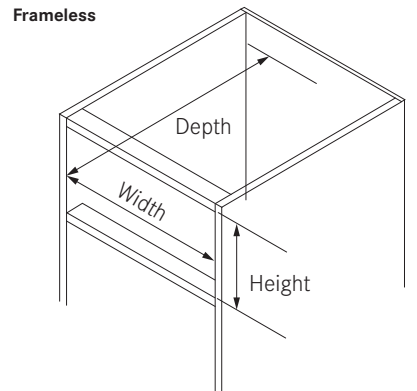
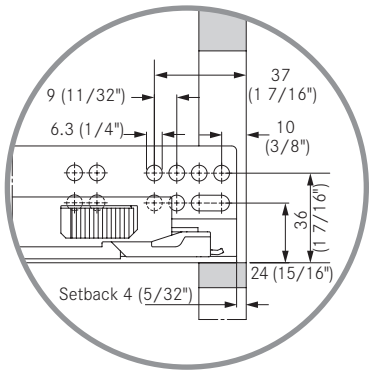
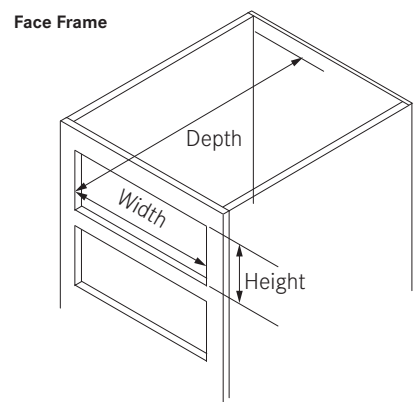
| | |
|---------------------------|----------------|
| Drawer Material Thickness | 16mm (5/8") |
| Dynamic Load | 100 lb (45 kg) |
| Static Load | 100 lb (45 kg) |

Mounting Position for Front Cabinet Profile **Rear Bracket for Face Frame**



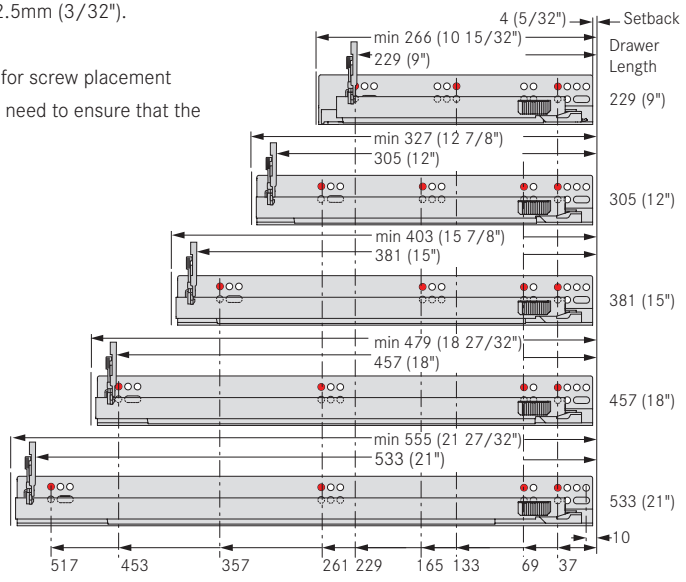
See page 9 for additional rear mounting brackets

Cabinet Boring Specifications



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, Heavy Duty and Extended Length Slide, 3D

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



- Face frame or frameless applications from 12.7mm (1/2") up to 16mm (5/8") drawer material
- Face frame application must be blocked out
- 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)

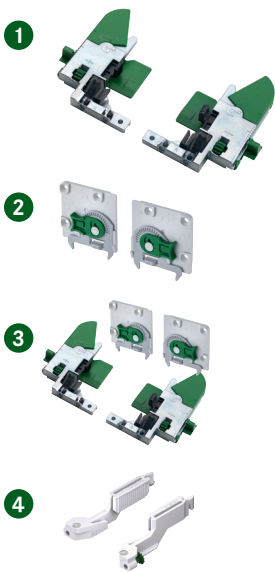


| Drawer Length | Nominal Length | Min Installation Depth | Item No. | PU |
|---------------|-----------------|------------------------|-----------------------|----|
| 457 (18") | 475 (18 11/16") | 479 (18 27/32") | F130135008 204 | 5 |
| 533 (21") | 551 (21 11/16") | 555 (21 27/32") | F130135009 204 | 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 (30 23/32") | 784 (30 7/8") | F130135012 203 | 4 |

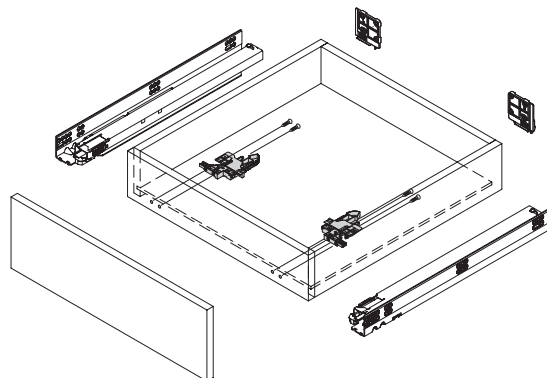
*Extended lengths, 110 lb (50 kg)

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

Front Locking Devices and Adjustment Adapters



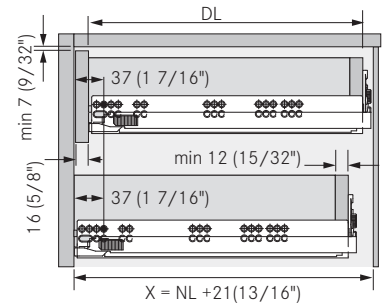
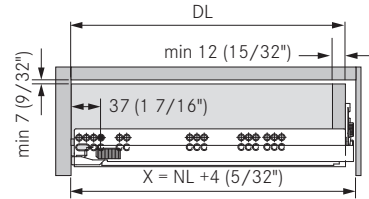
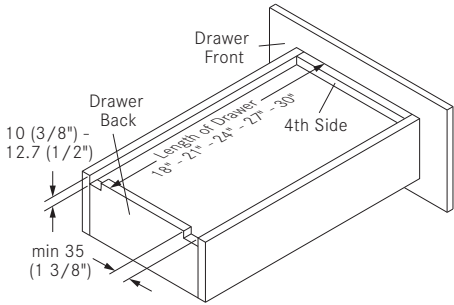
| Description | Adjustments | Item No. | PU |
|--|--------------|-----------------------|-----|
| (Must order separately) | | | |
| 1 Front locking device, left | height, side | F134125000 633 | 200 |
| Front locking device, right | height, side | F134125001 633 | 200 |
| Front locking device, set |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



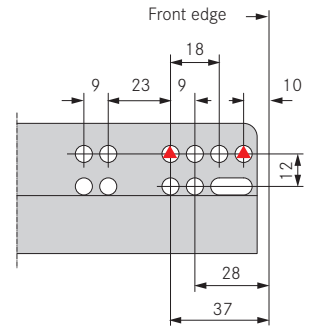
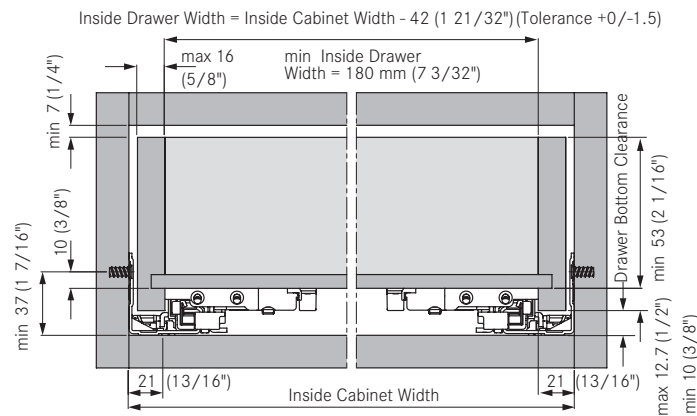
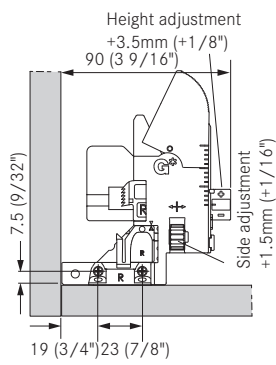
PU - Packaging unit

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

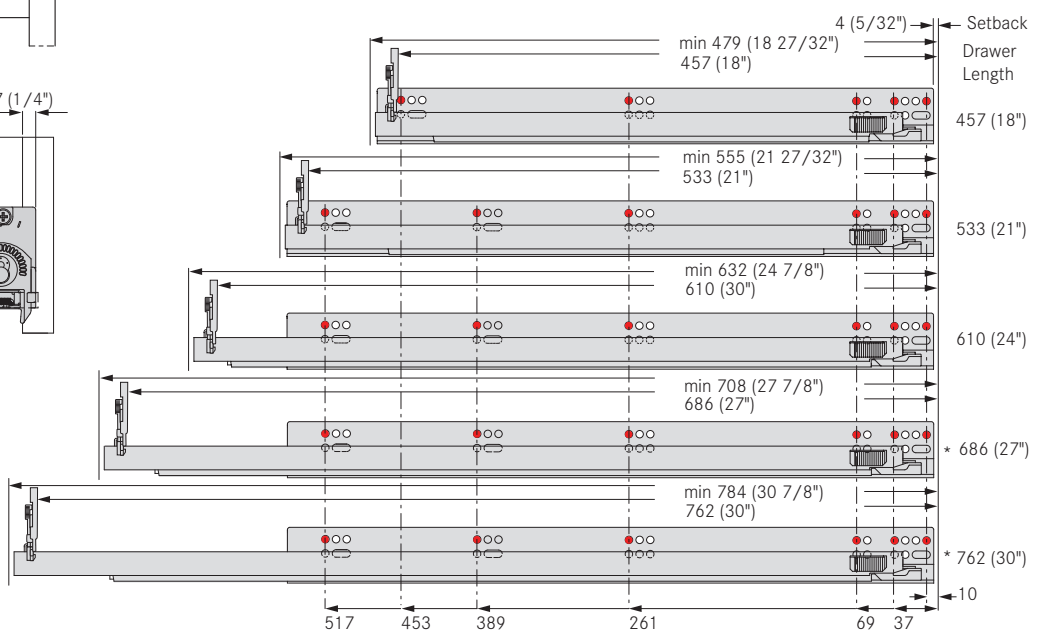
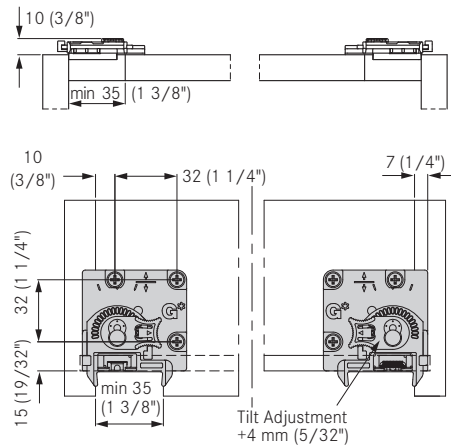
Drawer Measurements Drawer Inset Roll-out Drawer



Front Locking Device Installation Drawer Installation Dimensions Mounting Position for Front Cabinet Profile



Tilt Adjustment Adapter Installation Cabinet Boring Specifications



Pre-drilling recommended $\varnothing 2.5\text{mm}$ (3/32").
 Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.

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 16mm (5/8") drawer material



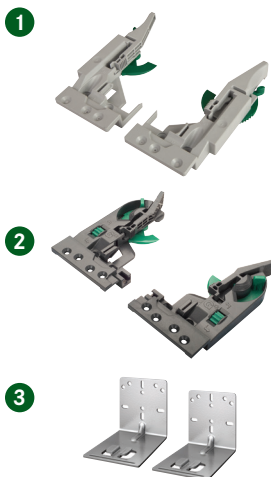
- Integrated Tipmatic
- Full extension with a synchronized mechanism
- Designed for drawers without pulls
- Face frame or frameless applications from 12.7mm (1/2") up to 16mm (5/8") drawer material
- Secure and smooth operation even if drawer is pulled open
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.5mm with front locking device
- Drawer widths should not exceed 26" wide

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

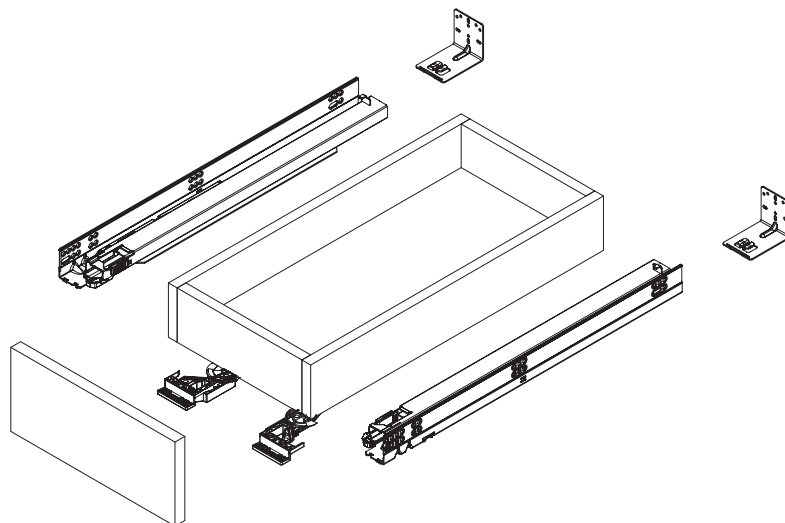


| Drawer Length | Nominal Length | Min Installation Depth | Item No. | PU |
|---------------|-----------------|------------------------|-----------------------|----|
| 381 (15") | 399 (15 23/32") | 403 (15 7/8") | F130116432 204 | 5 |
| 457 (18") | 475 (18 11/16") | 479 (18 27/32") | F130116433 204 |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

Front Locking Devices and Rear Mounting Brackets

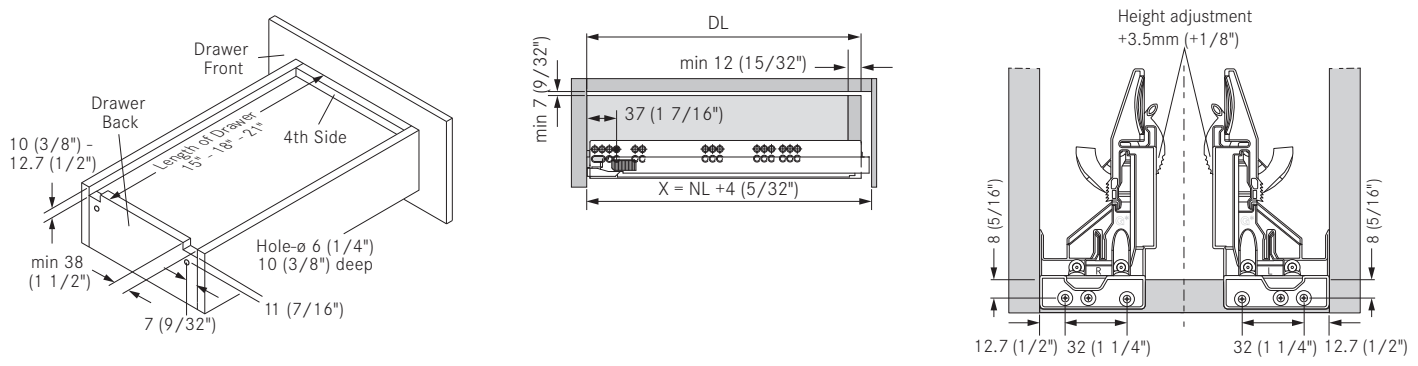


| Description | Adjustments | Item No. | PU |
|---|--------------|-----------------------|-----|
| (Must order separately) | | | |
| 1 Eco flanged front locking device, left | height | F134116420 233 | 200 |
| Eco flanged front locking device, right | height | F134116421 233 | 200 |
| Eco flanged front locking device, set | height | F134116422 204 | 5 |
| | | | |
| 2 2D Flanged front locking device, left | height, side | F134108944 233 | 200 |
| 2D Flanged front locking device, right | height, side | F134108945 233 | 200 |
| | | | |
| 3 Rear mounting brackets, non-handed for 12"-21" slides, each | | 7950.VE300 | 300 |

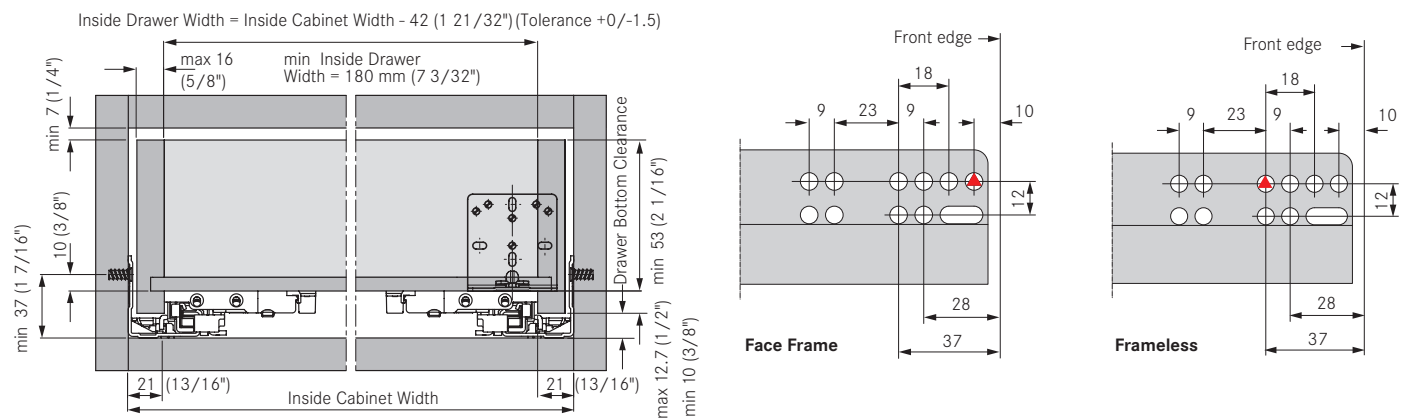


PU - Packaging unit

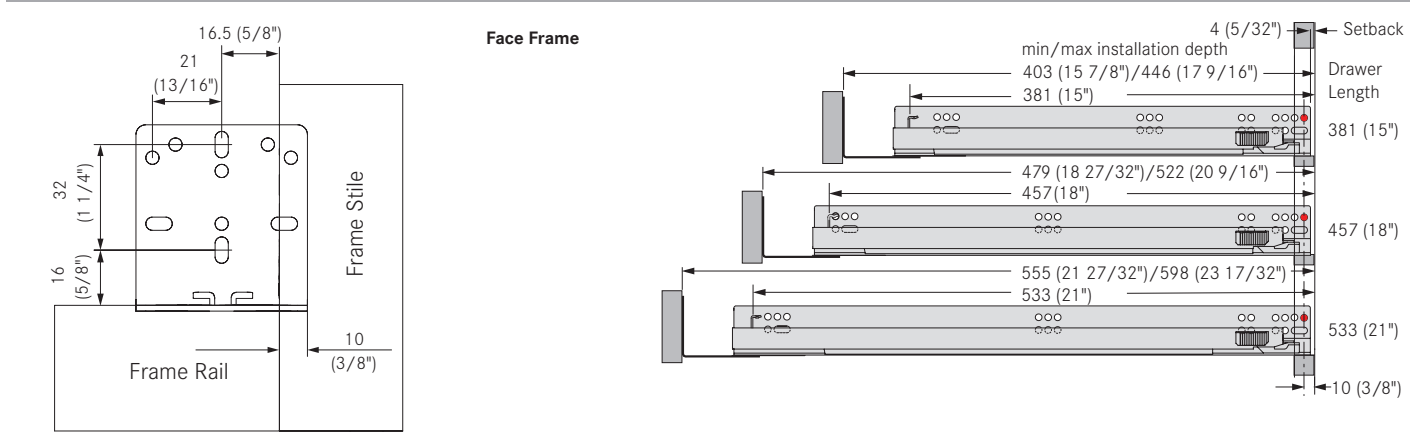
Drawer Measurements Drawer Front Locking Device Position



Drawer Installation Dimensions Mounting Position for Front Cabinet Profile



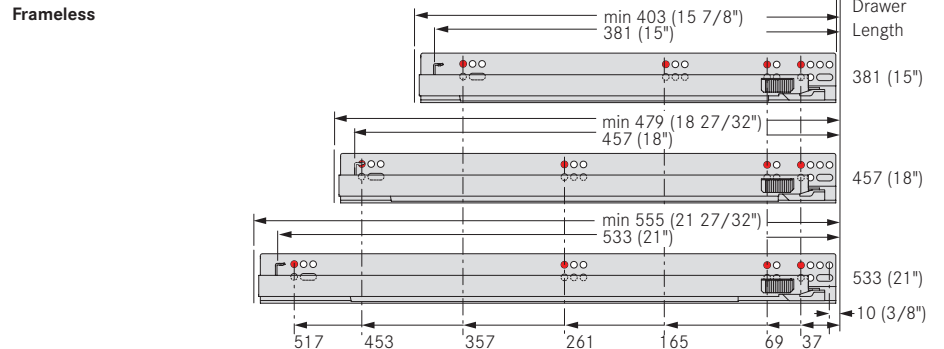
Rear Bracket for Face Frame Cabinet Boring Specifications



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.

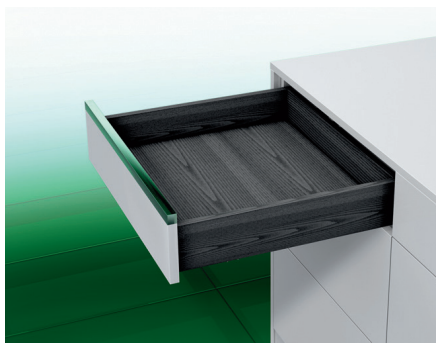
- DL = drawer length
- ICW = inside cabinet width
- IDW = inside drawer width
- NL = nominal length
- X = minimum installation depth



All dimensions in millimeters.

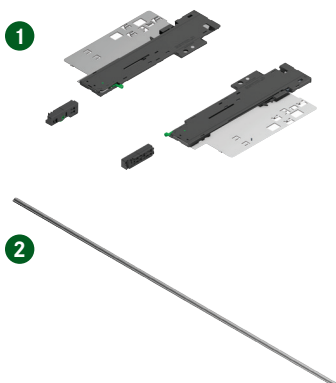
Dynapro Tipmatic Soft-close

For 16mm (5/8") drawer material



- Face frame or frameless applications from 12.7mm (1/2") up to 16mm (5/8") drawer material
- Mechanical opening system for handle-free fronts
- Combines Tipmatic function with Soft-close damping
- Tool-free assembly of the Tipmatic Soft-close unit
- One unit for nominal lengths 305mm (12") up to 762mm (30")
- 3-tier adjustment for the opening force
- Wide activation zone due to synchronization bar
- Works with all Dynapro types including heavy duty
- Works with Vionaro drawers
- Dynapro Tipmatic Soft-close works with all Dynapro front locking devices
- For drawer widths up to 1200mm (47 1/4")

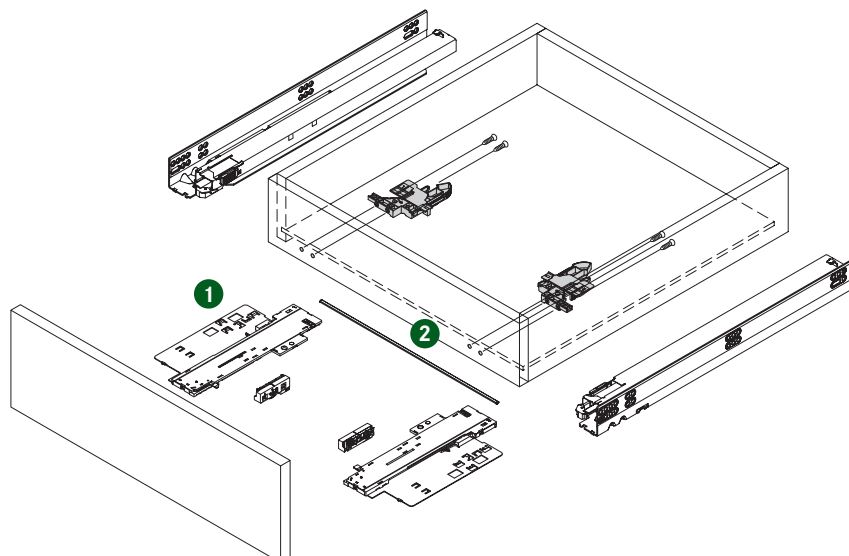
Tipmatic Soft-close



| Description | Item No. | PU |
|---|----------------------|----|
| (Must order separately) | | |
| 1 Tipmatic Soft-close set, unit and activator | F134109323607 | 10 |
| 2 Tipmatic synchronization bar - cut to length, 952mm (37 1/2") | F134109410207 | 10 |

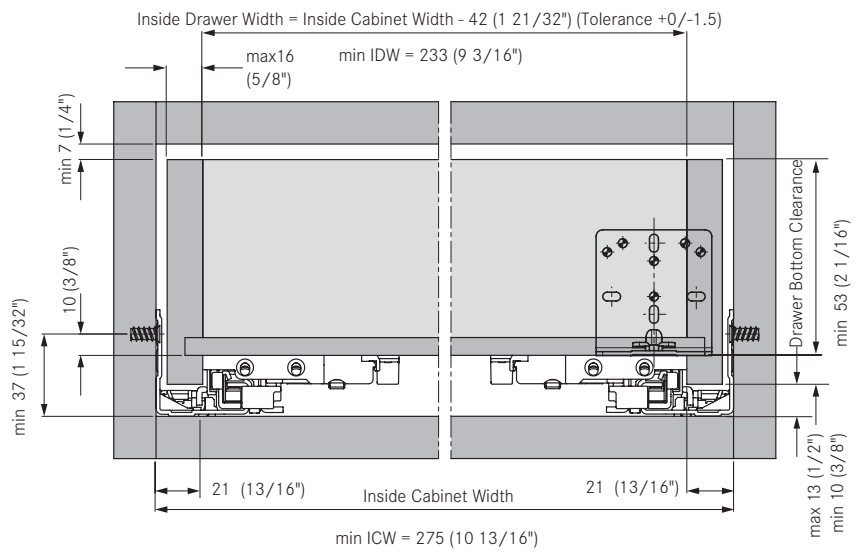
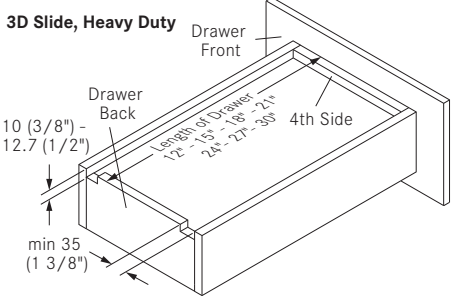
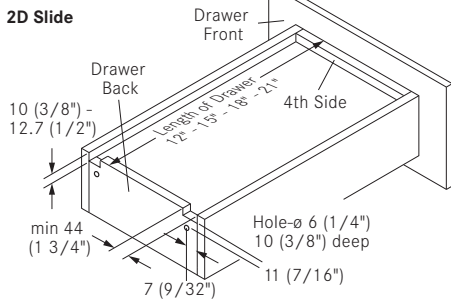
Note: Tipmatic Soft-close does not work with 9" slides.

| Drawer Length | Nominal Length | Min Inst. Depth | Max Inst. Depth |
|---------------|-----------------|-----------------|-----------------|
| 305 (12") | 323 (12 23/32") | 327 (12 7/8") | 370 (14 9/16") |
| 381 (15") | 399 (15 23/32") | 403 (15 7/8") | 446 (17 9/16") |
| 457 (18") | 475 (18 11/16") | 479 (18 27/32") | 522 (20 9/16") |
| 533 (21") | 551 (21 11/16") | 555 (21 27/32") | 598 (23 17/32") |
| 610 (24") | 628 (24 23/32") | 632 (24 7/8") | - |
| 686 (27") | 704 (27 23/32") | 708 (27 7/8") | - |
| 762 (30") | 780 (24 23/32") | 784 (30 7/8") | - |

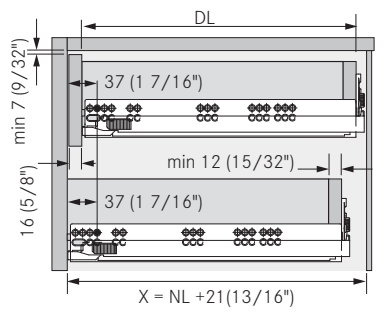
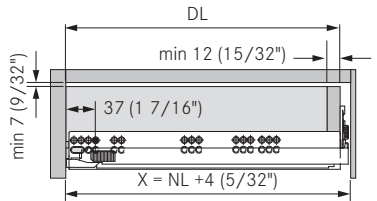
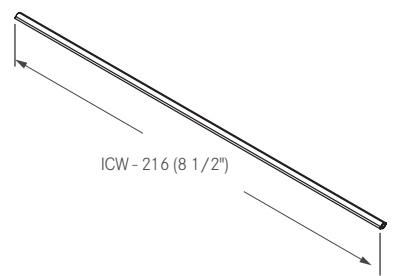


PU - Packaging unit

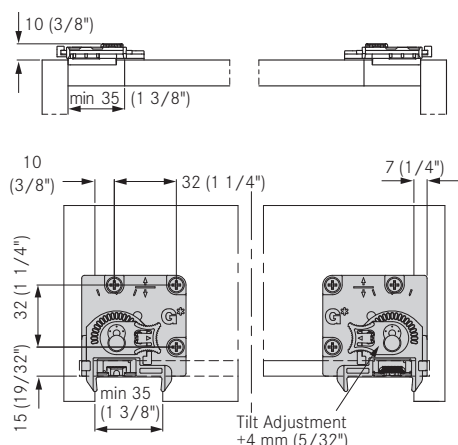
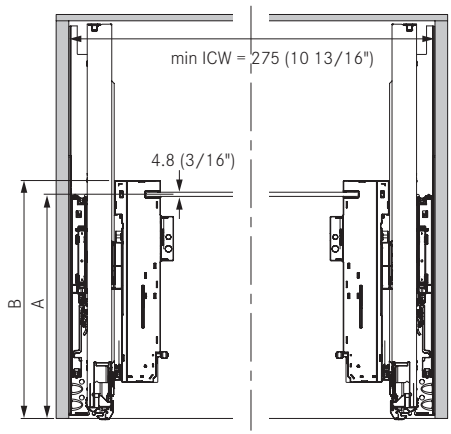
Drawer Measurements Drawer Installation Dimensions



Synchronization Bar Drawer Inset Roll-out Drawer



Position of the Synchronization Bar Tilt Adjustment Adapter Installation



| Drawer Length | A | B |
|-----------------------------|-----------------|-----------------|
| 305 (12") | 261 (10 9/32") | 278 (10 15/16") |
| 381 - 762 (15 - 30") | 296 (11 21/32") | 313 (12 5/16") |

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

All dimensions in millimeters.

Dynapro 19, Full Extension Slide, 2D

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

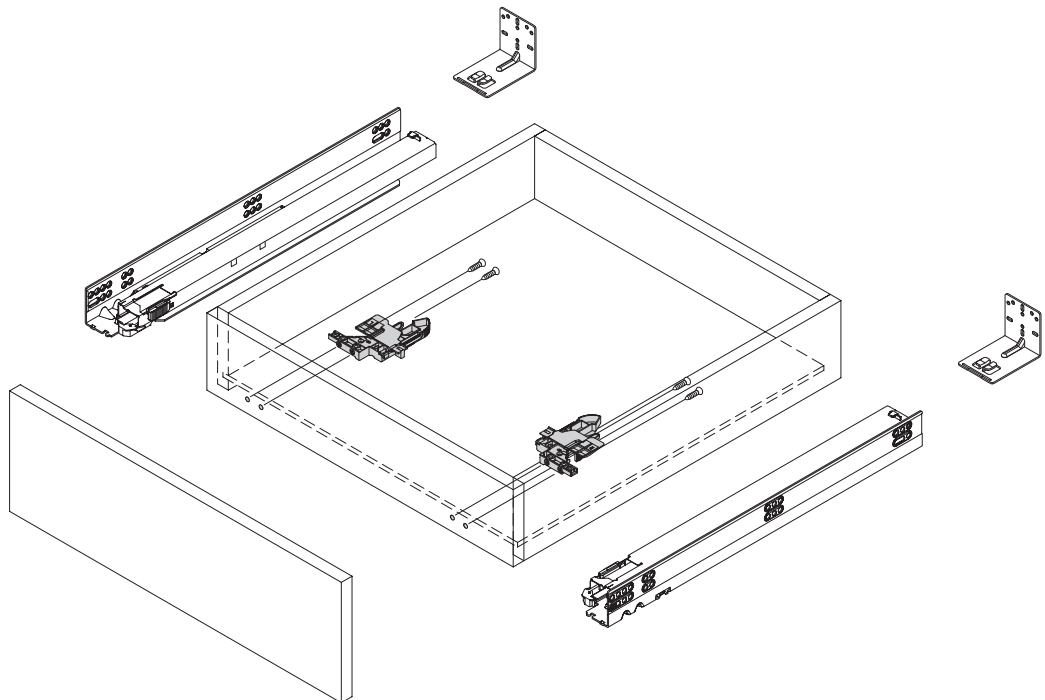


- Face frame or frameless applications from 16mm (5/8") up to 19mm (3/4") drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have easy release levers for drawer removal and installation
- Integrated 2-dimensional adjustment for alignment
- Height adjustment +3.5mm with suitable front locking device
- Side adjustment $\pm 1.5\text{mm}$ with suitable front locking device
- Depth adjustment +3.0mm forward with suitable front locking device
- 100 lb load rating (45 kg)

Dynapro 19 Full Extension Slide, 100 lb (45 kg)

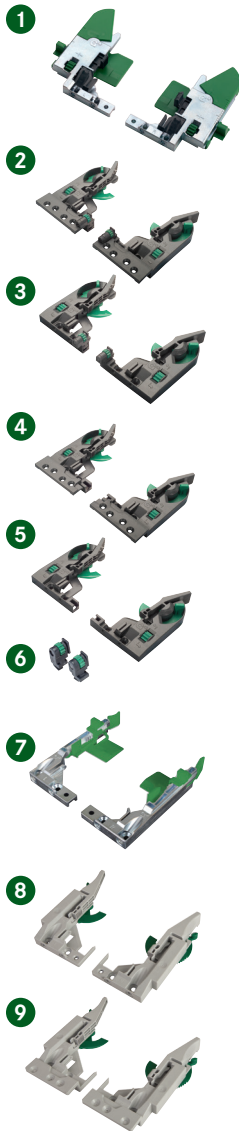


| Drawer Length | Nominal Length | Min Installation Depth | Max Installation Depth | Item No. | PU |
|---------------|-----------------|------------------------|------------------------|-----------------------|----|
| 229 (9") | 262 (10 5/16") | 273 (10 3/4") | 352 (13 7/8") | F130135030 204 | 5 |
| 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 |



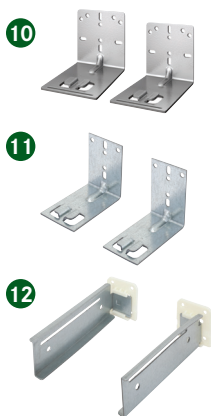
PU - Packaging unit

Front Locking Devices



| Description | Adjustments | Item No. | PU |
|--|---------------------|-----------------------|-----|
| (Must order separately) | | | |
| 1 Front locking device, left | height, side | F13412500 633 | 200 |
| Front locking device, right | height, side | F13412500 1633 | 200 |
| Front locking device, set | height, side | F134101400 104 | 5 |
| 2 3D Flanged front locking device, left | height, side, depth | F13410894 2233 | 200 |
| 3D Flanged front locking device, right | height, side, depth | F13410894 3233 | 200 |
| 3 3D Front locking device, left | height, side, depth | F13410894 7233 | 200 |
| 3D Front locking device, right | height, side, depth | F13410894 8233 | 200 |
| 4 2D Flanged front locking device, left | height, side | F13410894 4233 | 200 |
| 2D Flanged front locking device, right | height, side | F13410894 5233 | 200 |
| 5 2D Front locking device, left | height, side | F13410895 0233 | 200 |
| 2D Front locking device, right | height, side | F13410895 1233 | 200 |
| 6 Depth adjustment set for non-flanged 2D, left & right | | F13410896 0533 | 5 |
| 7 Narrow front locking device, left | height | F13410069 9233 | 200 |
| Narrow front locking device, right | height | F13410070 0233 | 200 |
| 8 Eco front locking device, left | height | F13410122 1233 | 200 |
| Eco front locking device, right | height | F13410122 2233 | 200 |
| Eco front locking device, set | height | F13410122 0517 | 5 |
| 9 Eco flanged front locking device, left | height | F13411642 0233 | 200 |
| Eco flanged front locking device, right | height | F13411642 1233 | 200 |
| Eco flanged front locking device, set | height | F13411642 2204 | 5 |

Rear Mounting Brackets

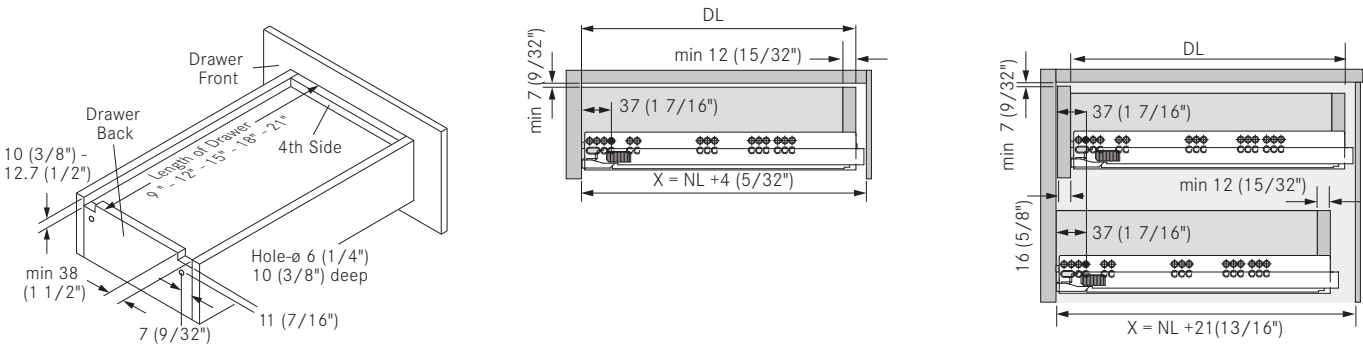


| Description | Item No. | PU |
|---|------------|-----|
| (Must order separately) | | |
| 10 Rear mounting brackets, non-handed for 12"-21" slides, each | 7950.VE300 | 300 |
| 11 Narrow rear mounting brackets, non-handed for 12"-21" slides, each | 7951.VE300 | 300 |
| 12 Rear mounting sockets for 9"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

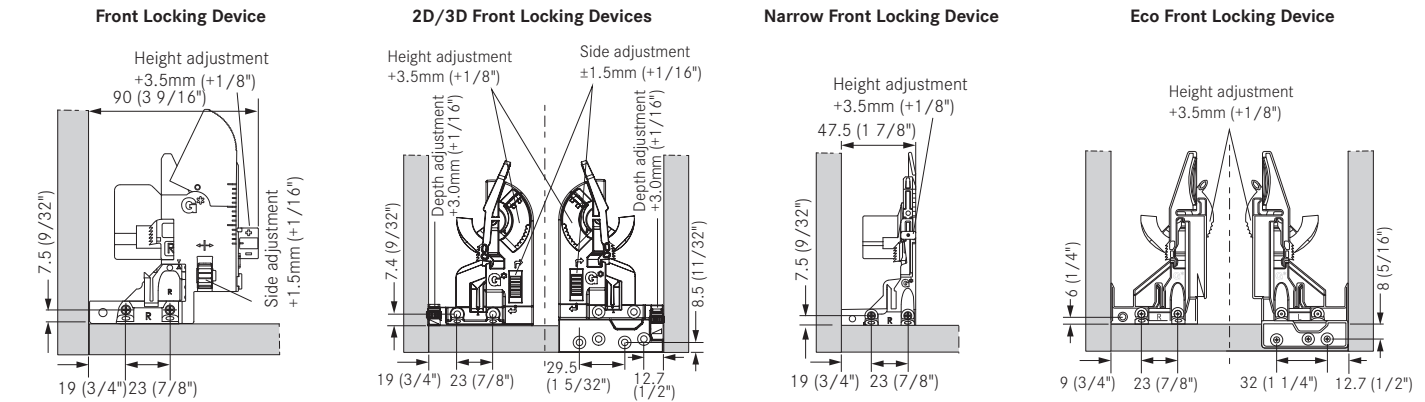
Dynapro 19, Full Extension Slide, 2D

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

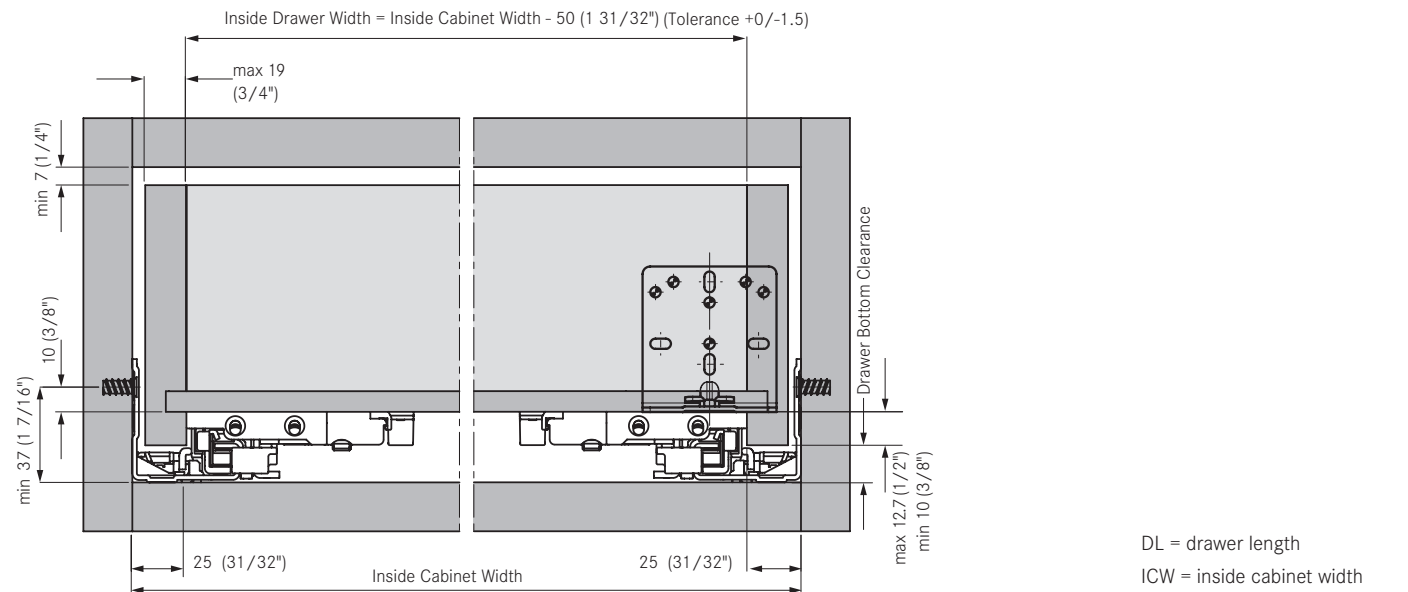
Drawer Measurements



Front Locking Device Installation



Drawer Installation Dimensions

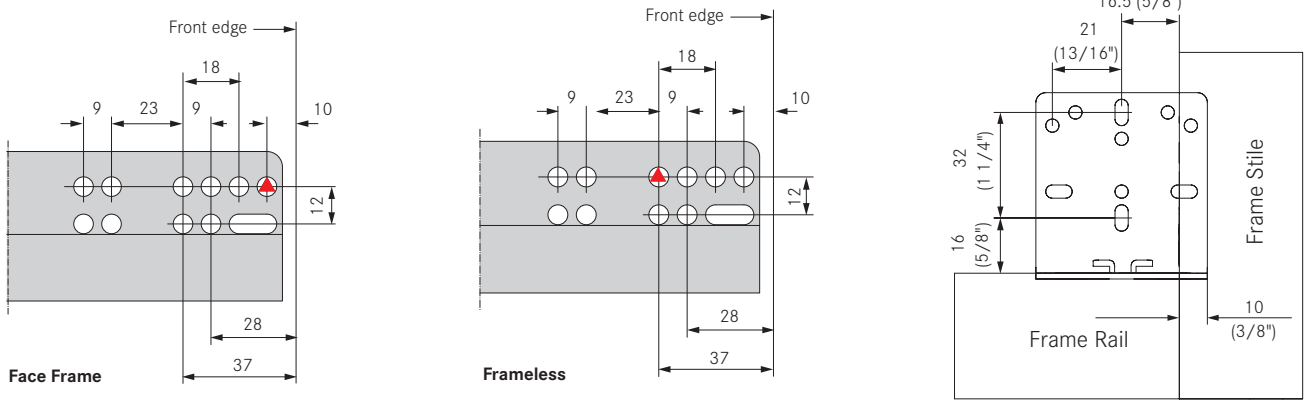


Minimum inside drawer width determined by front Locking device. See page 8.

- 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 | 100 lb (45 kg) |
| Static Load | 100 lb (45 kg) |

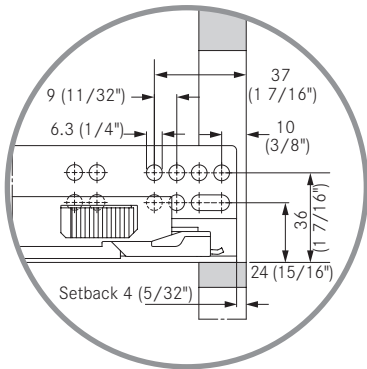
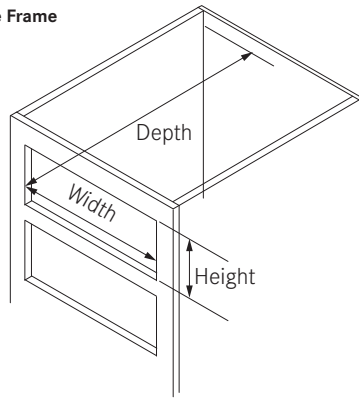
Mounting Position for Front Cabinet Profile **Rear Bracket for Face Frame**



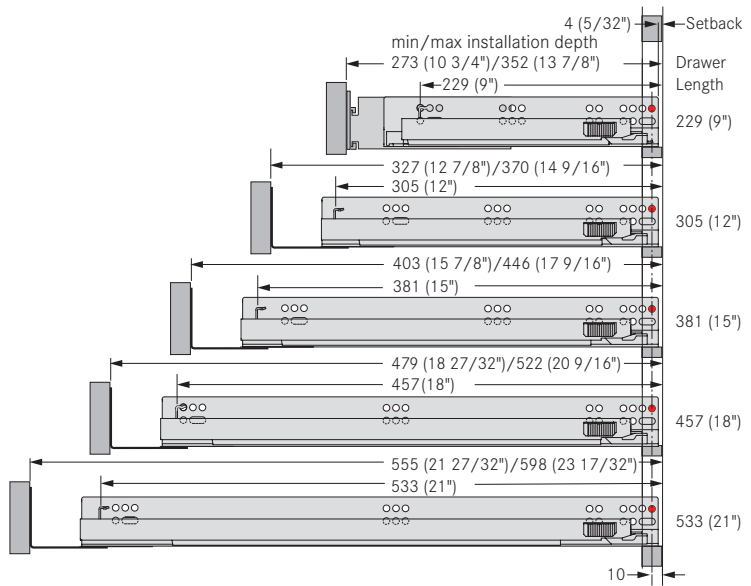
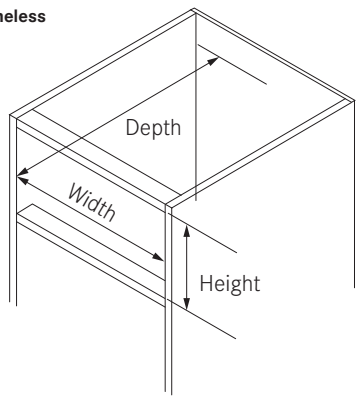
See page 9 for additional rear mounting brackets

Cabinet Boring Specifications

Face Frame

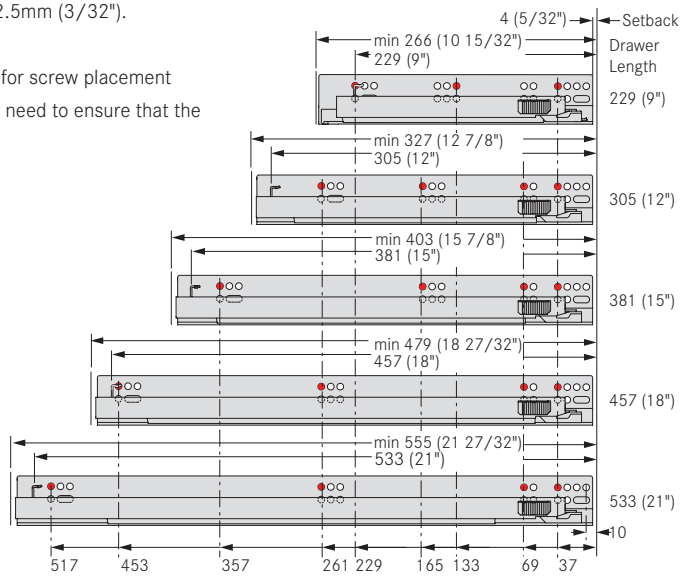


Frameless



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, Full Extension Slide, 3D

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

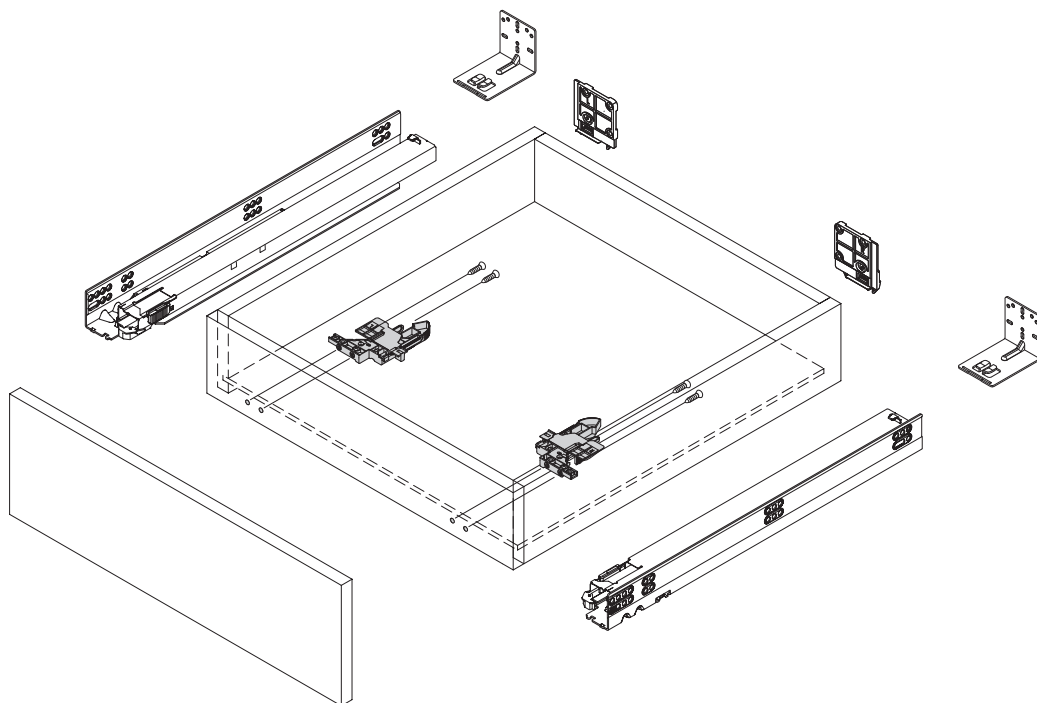


- Face frame or frameless applications from 16mm (5/8") up to 19mm (3/4") drawer material
- Full extension with a synchronized mechanism
- Soft-close liquid damping system
- Self-latching front locking devices have comfortable release levers for drawer removal and installation
- Height adjustment +3.5mm with suitable front locking device
- Side adjustment ± 1.5 mm with suitable front locking device
- Tilt adjustment +4.0mm
- Depth adjustment +3.0mm forward with suitable front locking device
- 100 lb load rating (45 kg)

Dynapro 19 Full Extension Slide, 100 lb (45 kg)

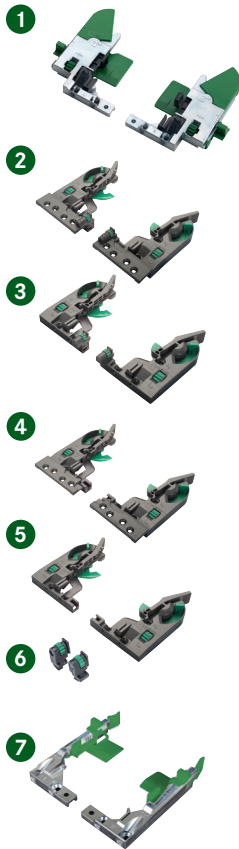


| Drawer Length | Nominal Length | Min Installation Depth | Max Installation Depth | Item No. | PU |
|---------------|-----------------|------------------------|------------------------|-----------------------|----|
| 229 (9") | 262 (10 5/16") | 273 (10 3/4") | 352 (13 7/8") | F130135022 204 | 5 |
| 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 |



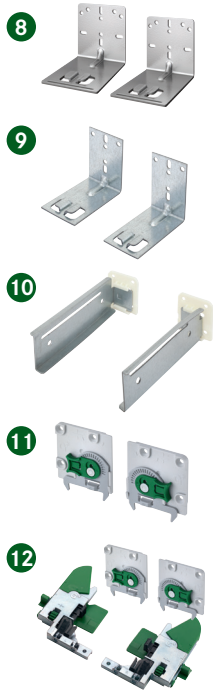
PU - Packaging unit

Front Locking Devices



| Description | Adjustments | Item No. | PU |
|--|---------------------|----------------------|-----|
| (Must order separately) | | | |
| 1 Front locking device, left | height, side | 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

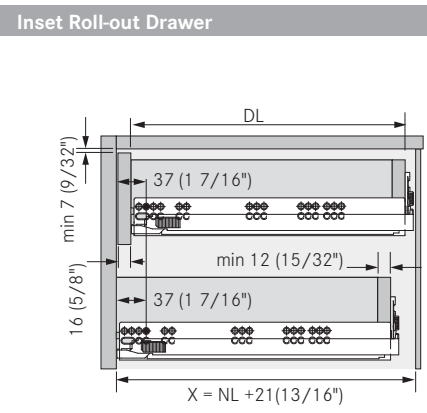
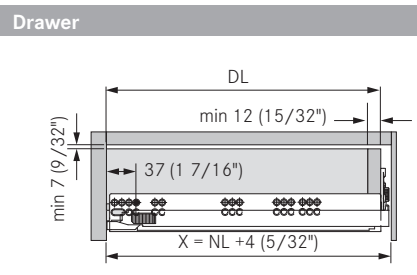
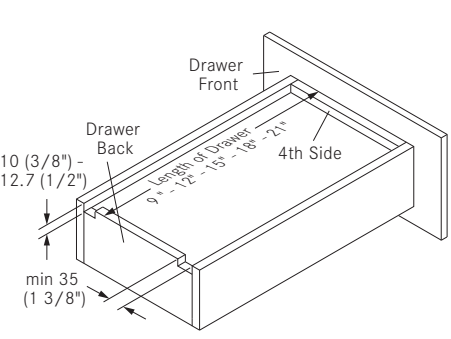


| Description | Item No. | PU |
|---|----------------------|-----|
| (Must order separately) | | |
| 8 Rear mounting brackets, non-handed for 12"-21" slides, each | 7950.VE300 | 300 |
| 9 Narrow rear mounting brackets, non-handed for 12"-21" slides, each | 7951.VE300 | 300 |
| 10 Rear mounting sockets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

Dynapro 19, Full Extension Slide, 3D

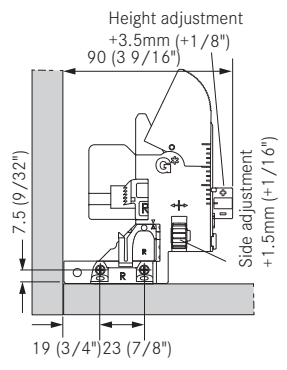
Integrated Soft-close with optional 4-dimensional adjustment for 19mm (3/4") drawer material

Drawer Measurements

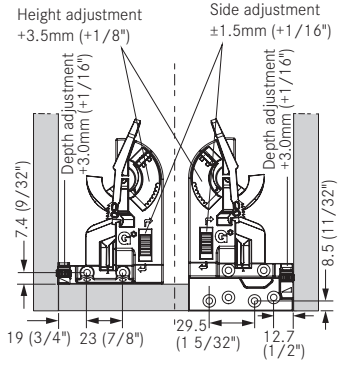


Front Locking Device Installation

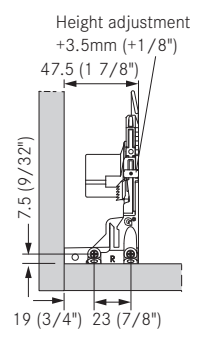
Front Locking Device



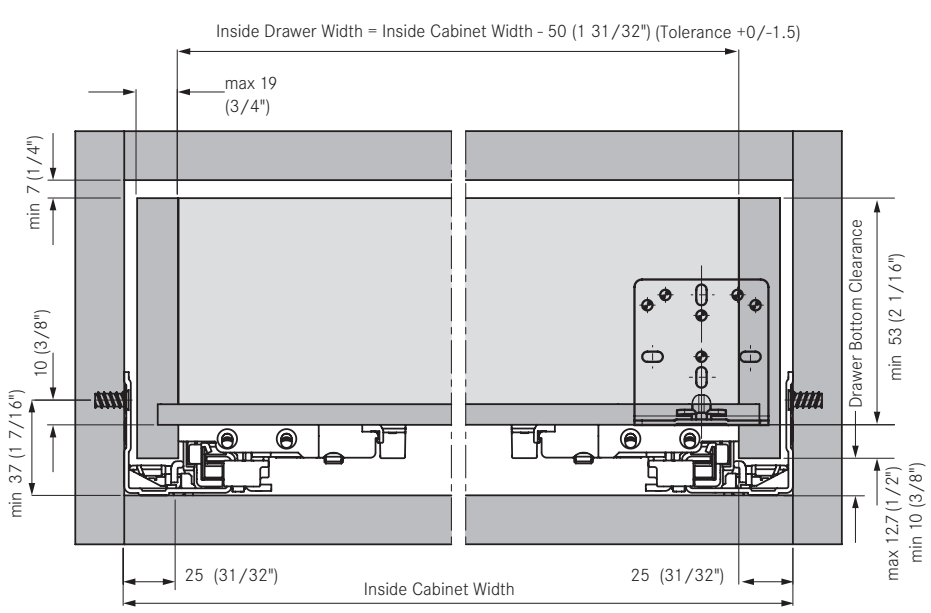
2D/3D Front Locking Devices



Narrow Front Locking Device

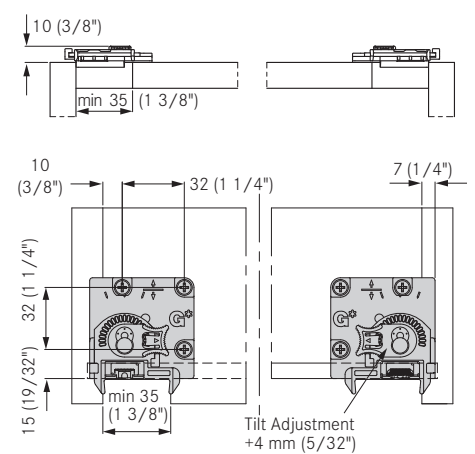


Drawer Installation Dimensions



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

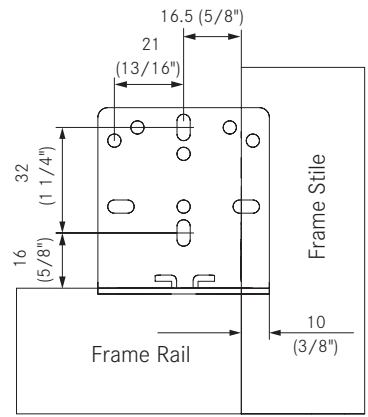
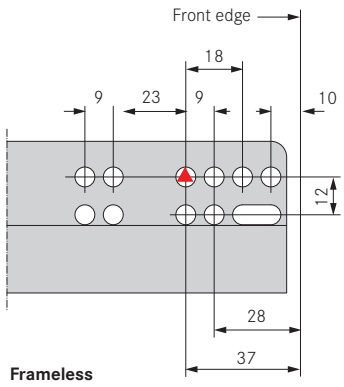
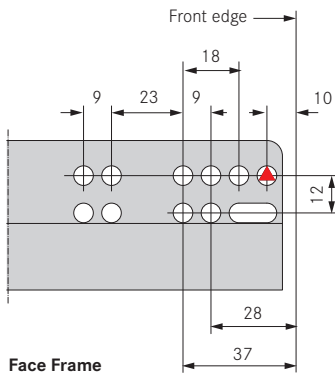
Tilt Adjustment Adapter Installation



- 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 | 100 lb (45 kg) |
| Static Load | 100 lb (45 kg) |

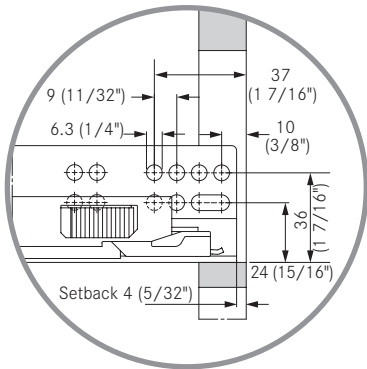
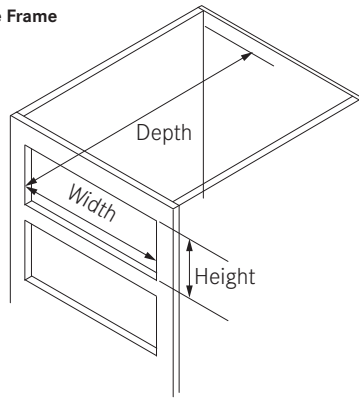
Mounting Position for Front Cabinet Profile **Rear Bracket for Face Frame**



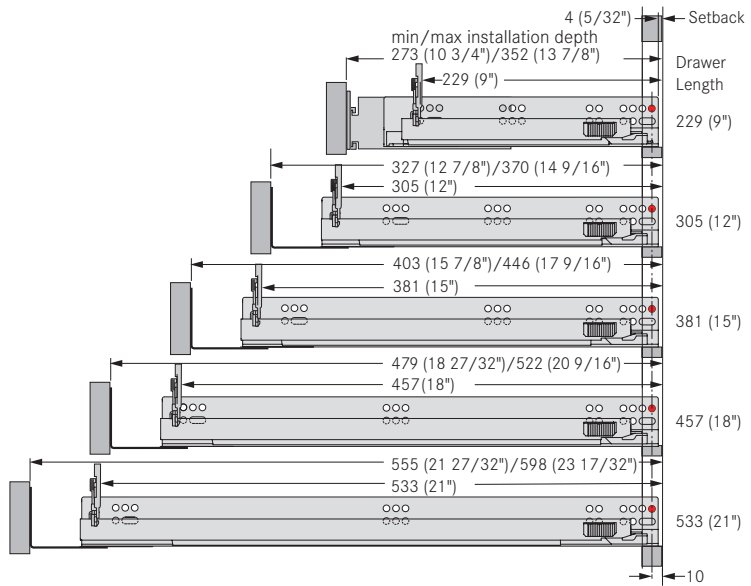
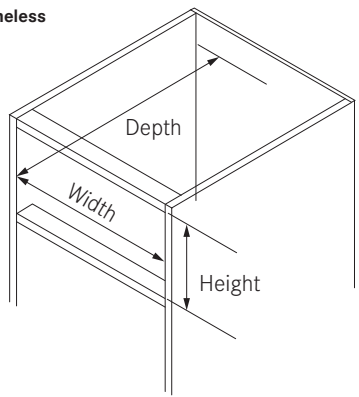
See page 9 for additional rear mounting brackets

Cabinet Boring Specifications

Face Frame

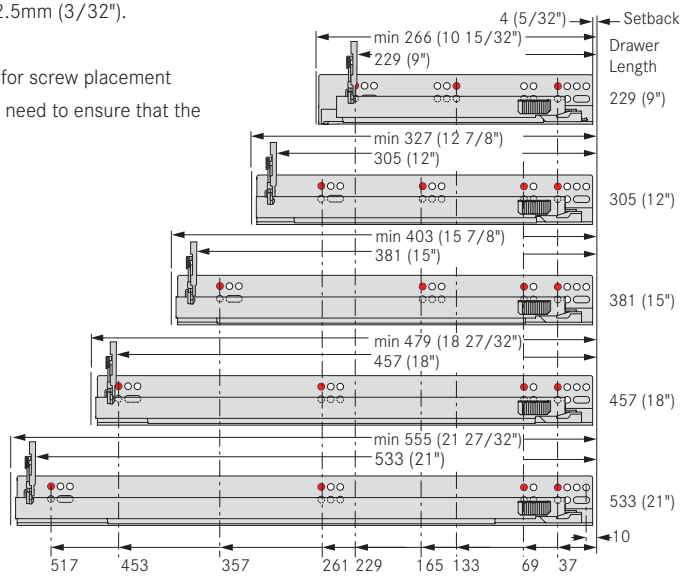


Frameless



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, 3D

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



- Face frame or frameless applications from 16mm (5/8") up to 19mm (3/4") drawer material
- Face frame application must be blocked out
- 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)

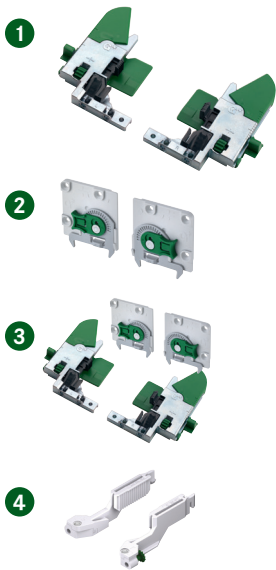


| Drawer Length | Nominal Length | Min Installation Depth | Item No. | PU |
|---------------|-----------------|------------------------|----------------------|----|
| 457 (18") | 475 (18 11/16") | 479 (18 27/32") | F130135027204 | 5 |
| 533 (21") | 551 (21 11/16") | 555 (21 27/32") | F130135028204 | 5 |
| 610 (24") | 628 (24 23/32") | 632 (24 7/8") | F130135427204 | 5 |
| 686 (27")* | 704 (27 23/32") | 708 (27 7/8") | F130136064203 | 4 |
| 762 (30")* | 780 (30 23/32") | 784 (30 7/8") | F130135029203 | 4 |

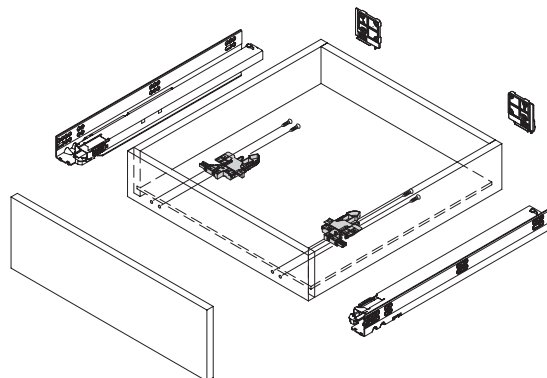
*Extended lengths, 110 lb (50 kg)

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

Front Locking Devices and Adjustment Adapters



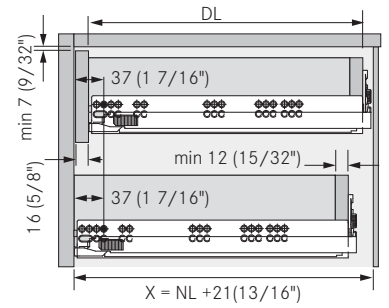
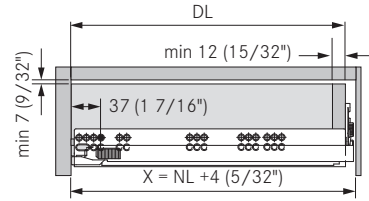
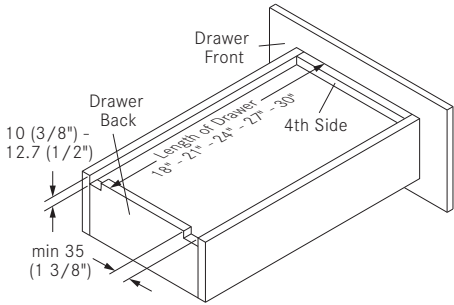
| Description | Adjustments | Item No. | PU |
|--|--------------|----------------------|-----|
| (Must order separately) | | | |
| 1 Front locking device, left | height, side | F134125000633 | 200 |
| Front locking device, right | height, side | F134125001633 | 200 |
| Front locking device, set | height, side | F134101400104 | 5 |
| 2 Tilt adjustment adapter, left | | F134125002233 | 200 |
| Tilt adjustment adapter, right | | F134125003233 | 200 |
| 3 Front locking device and adjustment adapter set | | F134125074517 | 1 |
| Set Includes: Front locking device set and tilt adjustment adapter set | | | |
| 4 Depth adjustment for drawer front, left and right, set, optional | | F134101002104 | 5 |



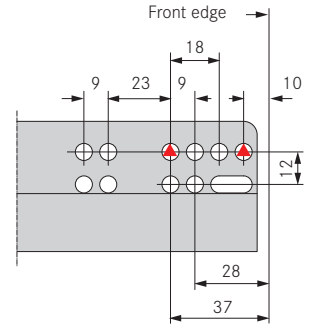
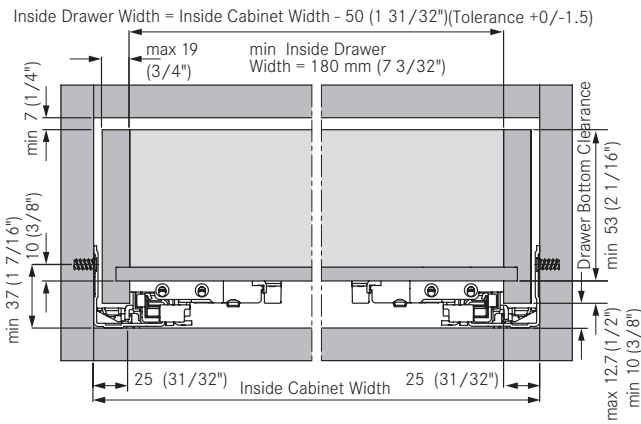
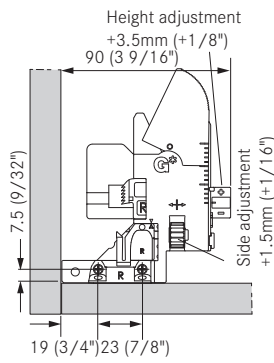
PU - Packaging unit

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

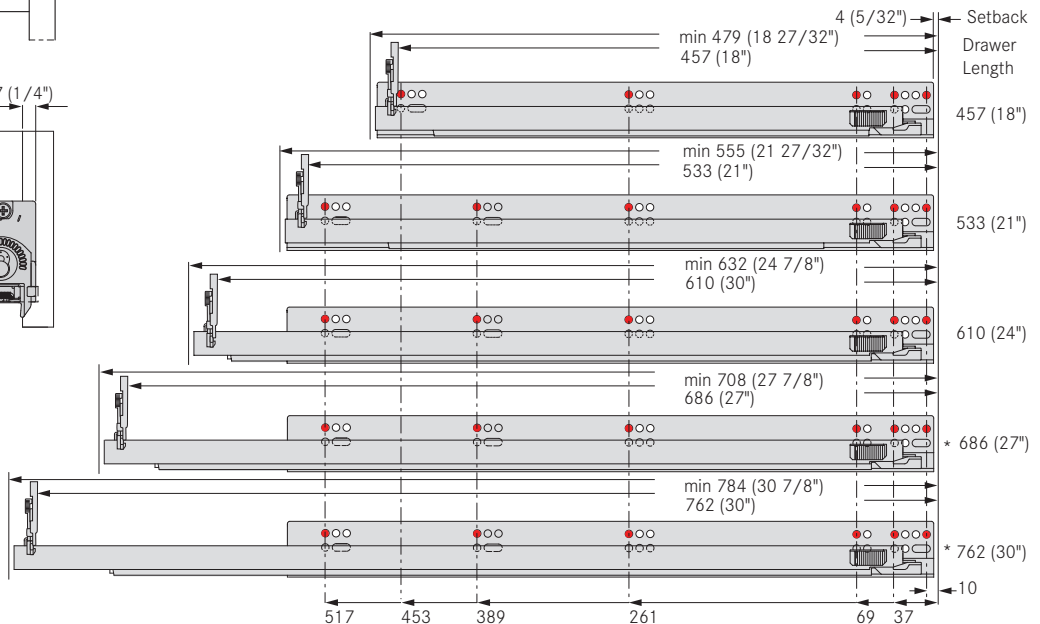
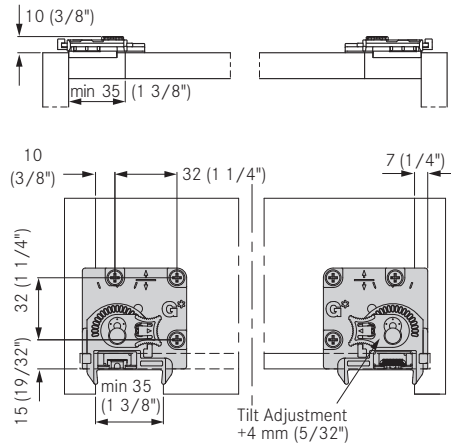
Drawer Measurements Drawer Inset Roll-out Drawer



Front Locking Device Installation Drawer Installation Dimensions Mounting Position for Front Cabinet Profile



Tilt Adjustment Adapter Installation Cabinet Boring Specifications



Pre-drilling recommended $\varnothing 2.5\text{mm}$ (3/32").
 Note: The recommendations for screw placement are guidelines only. Installers need to ensure that the cabinet wall is adequate.

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.

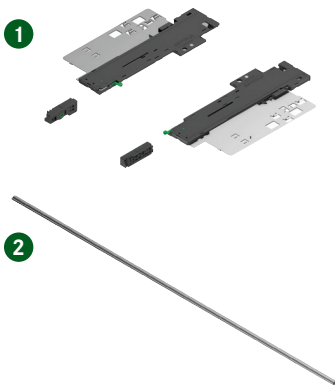
Dynapro Tipmatic Soft-close

For 19mm (3/4") drawer material



- Face frame or frameless applications from 16mm (5/8") up to 19mm (3/4") drawer material
- Mechanical opening system for handle-free fronts
- Combines Tipmatic function with Soft-close damping
- Tool-free assembly of the Tipmatic Soft-close unit
- One unit for nominal lengths 305mm (12") up to 762mm (30")
- 3-tier adjustment for the opening force
- Wide activation zone due to synchronization bar
- Works with all Dynapro types including heavy duty
- Works with Vionaro drawers
- Dynapro Tipmatic Soft-close works with all Dynapro front locking devices
- For drawer widths up to 1200mm (47 1/4")

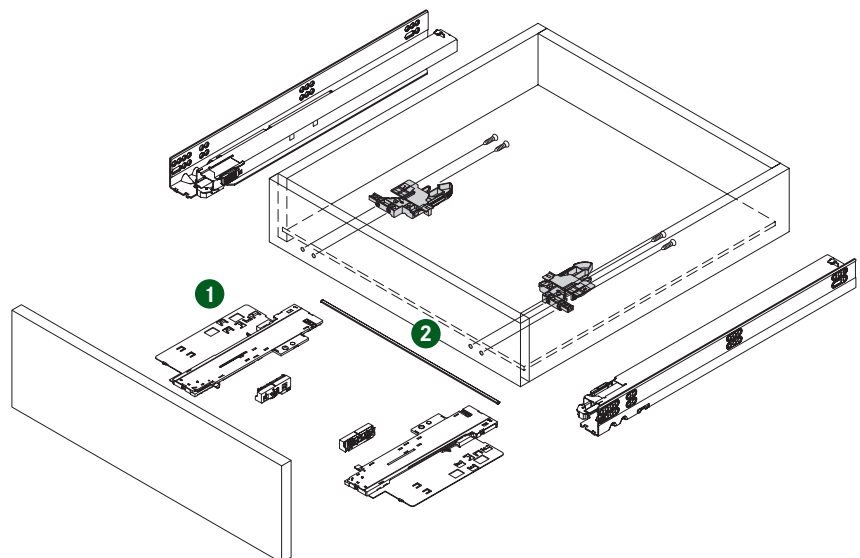
Tipmatic Soft-close



| Description | Item No. | PU |
|---|----------------------|----|
| (Must order separately) | | |
| 1 Tipmatic Soft-close set, unit and activator | F134109323607 | 10 |
| 2 Tipmatic synchronization bar - cut to length, 952mm (37 1/2") | F134109410207 | 10 |

Note: Tipmatic Soft-close does not work with 9" slides.

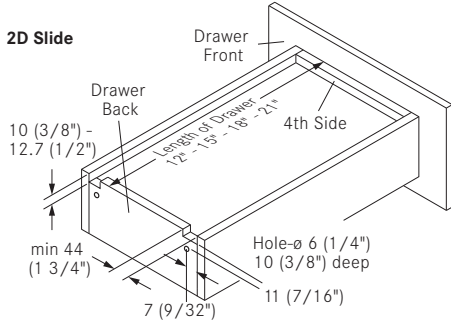
| Drawer Length | Nominal Length | Min Inst. Depth | Max Inst. Depth |
|---------------|-----------------|-----------------|-----------------|
| 305 (12") | 323 (12 23/32") | 327 (12 7/8") | 370 (14 9/16") |
| 381 (15") | 399 (15 23/32") | 403 (15 7/8") | 446 (17 9/16") |
| 457 (18") | 475 (18 11/16") | 479 (18 27/32") | 522 (20 9/16") |
| 533 (21") | 551 (21 11/16") | 555 (21 27/32") | 598 (23 17/32") |
| 610 (24") | 628 (24 23/32") | 632 (24 7/8") | - |
| 686 (27") | 704 (27 23/32") | 708 (27 7/8") | - |
| 762 (30") | 780 (24 23/32") | 784 (30 7/8") | - |



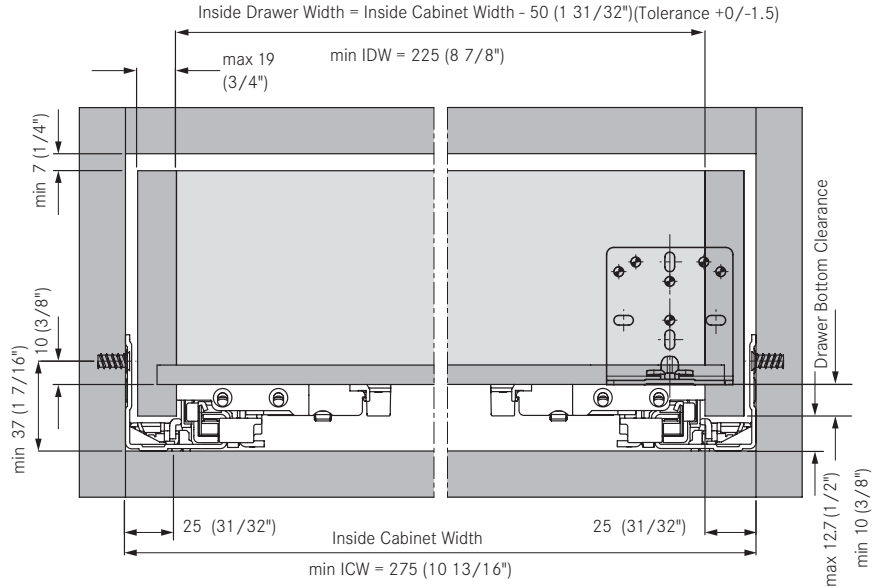
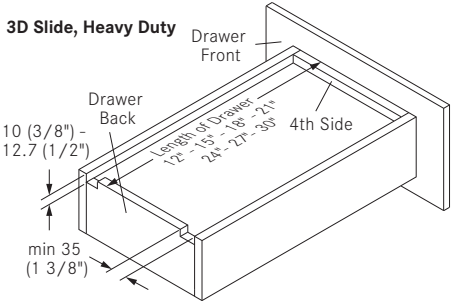
PU - Packaging unit

Drawer Measurements Drawer Installation Dimensions

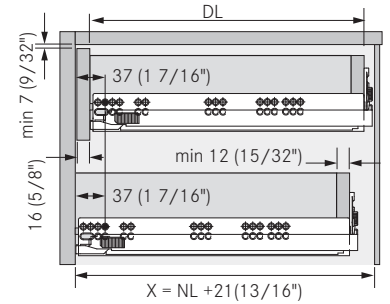
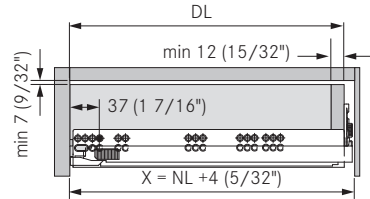
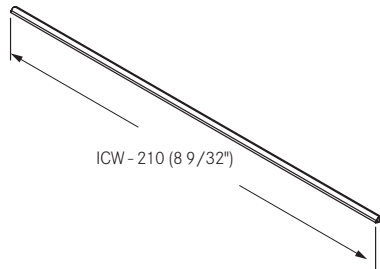
2D Slide



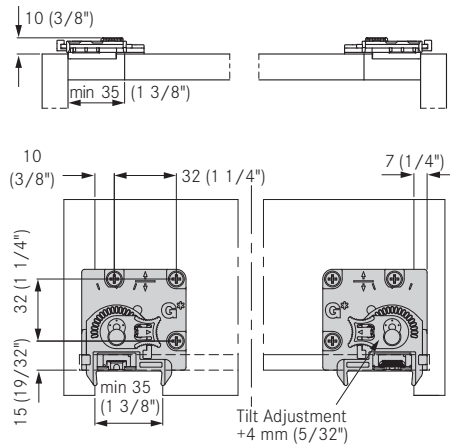
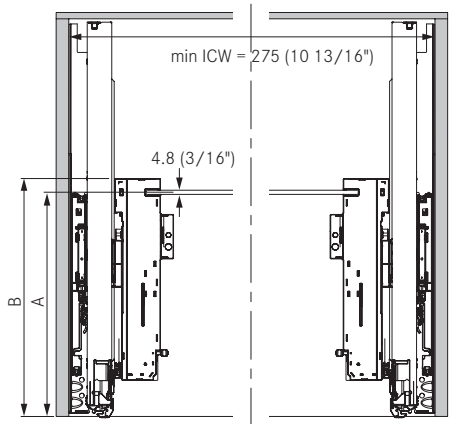
3D Slide, Heavy Duty



Synchronization Bar Drawer Inset Roll-out Drawer



Position of the Synchronization Bar Tilt Adjustment Adapter Installation



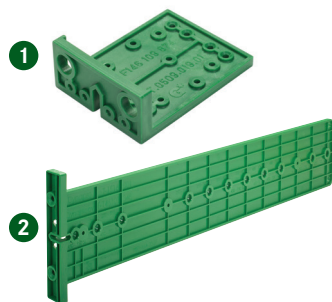
| Drawer Length | A | B |
|-----------------------------|-----------------|-----------------|
| 305 (12") | 261 (10 9/32") | 278 (10 15/16") |
| 381 - 762 (15 - 30") | 296 (11 21/32") | 313 (12 5/16") |

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

Accessories and Assembly Aids

Dynapro

Drilling Template for Drawer



Drawer Drilling Template for drilling front locking devices, drawer hole hook, or adjustment adapters

| Description | Item No. | PU |
|--------------------------------------|---------------|----|
| 1 Drilling template - Drawer | F146109874299 | 1 |
| 2 Drilling template - Cabinet member | F146101348101 | 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

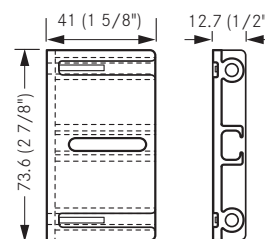


- For face frame inset applications with Dynapro
- Works with all inset applications
- Bracket mounts behind the face frame, minimum 12.7mm (1/2") frame offset required
- Slide attaches easily with one screw
- Includes guide markings for proper setback



Polybag set consists of:

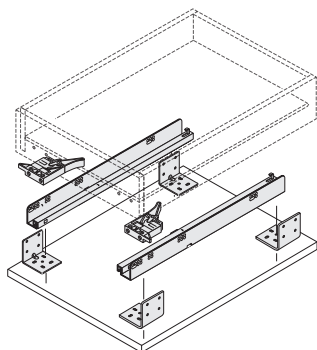
- 2 - Universal Inset Bracket ABS Brown
- 2 - 8 X 32 Tapped Insert for Inset bracket
- 4 - #7 X 2" mounting screws
- 2 - #8 - 32 X 1/2" Machine Screw FHP
- 1 - Instructions



Bottom Mount Bracket



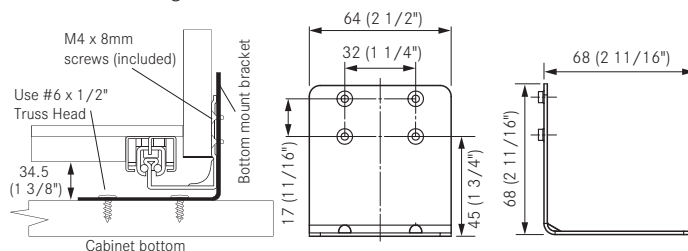
- Bottom mount bracket, steel
- Works with any Dynapro drawer slide



| Description | Item No. | PU |
|----------------------|----------|----|
| Bottom mount bracket | 00443-40 | 25 |

Set consists of:

- 4 - Brackets
- 8 - M4 x 8mm fixing screws



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

Bumper Pads, Self-adhesive



| Description | Item No. | PU |
|--------------------------|----------|------|
| Bumper pad, clear, 2.5mm | 63407-99 | 288 |
| Bumper pad, clear, 2.5mm | 63407-47 | 7200 |

AirSoft Bumper Pads, Self-adhesive



| Description | Item No. | PU |
|--------------------------------|----------|------|
| AirSoft Bumper pad, clear, 5mm | 63481-43 | 500 |
| AirSoft Bumper pad, clear, 5mm | 63483-30 | 5000 |

Bumper Pads, Self-adhesive

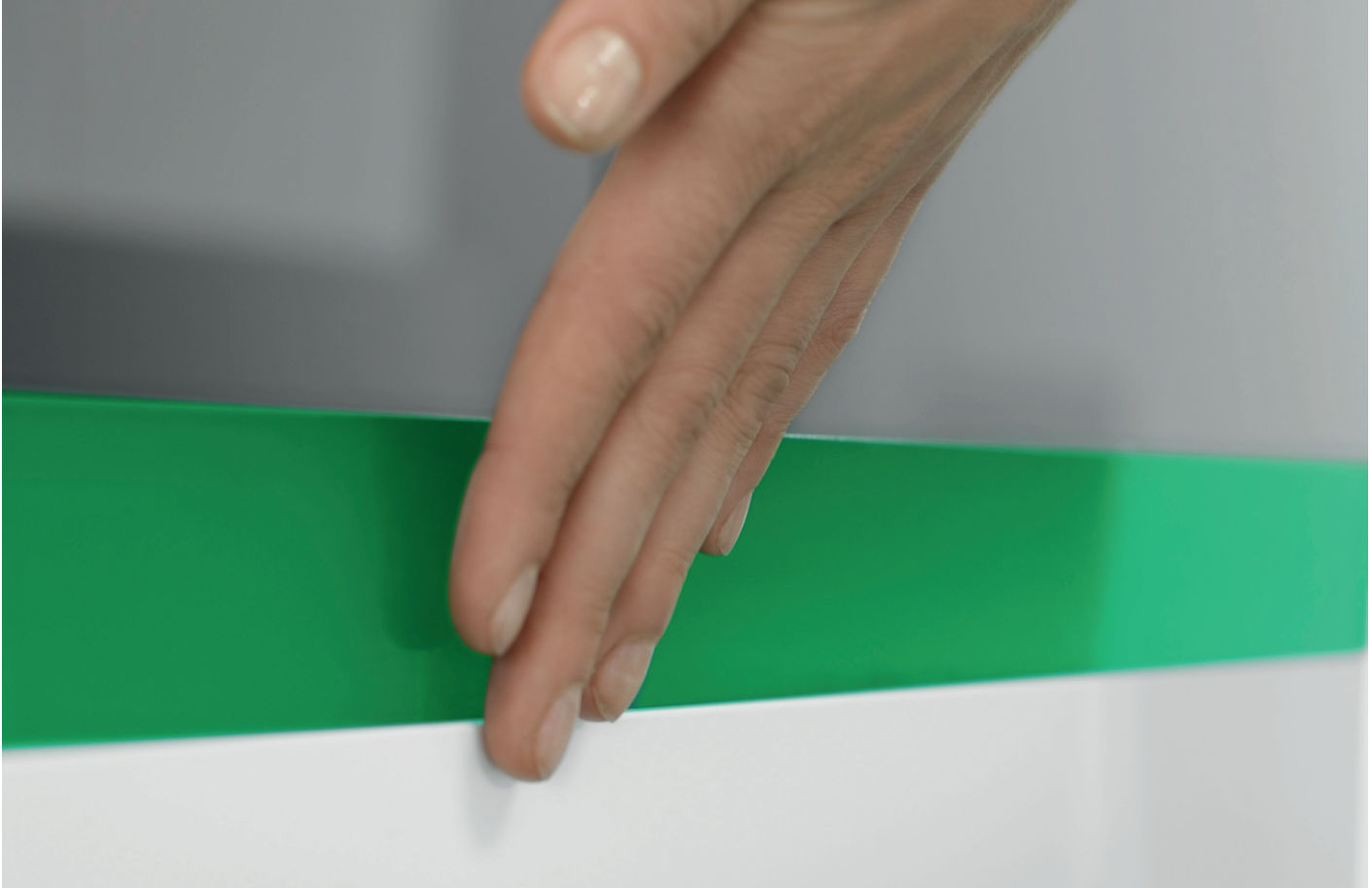


| Description | Item No. | PU |
|-------------------------|-----------------|------|
| Bumper pad, clear, 7mm | 630.000.03.0750 | 1088 |
| Bumper pad, clear, 10mm | 630.000.03.1050 | 1050 |
| Bumper pad, clear, 12mm | 630.000.02.1250 | 5000 |

Bumper Pads, Self-adhesive



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



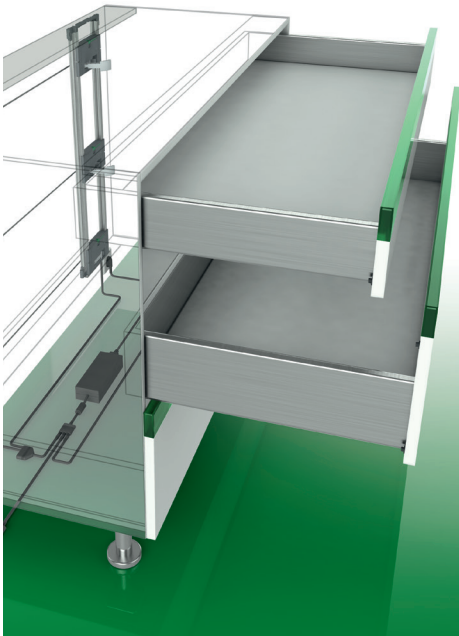
Sensomatic combines handle-free opening with the ever popular Soft-closing action

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.

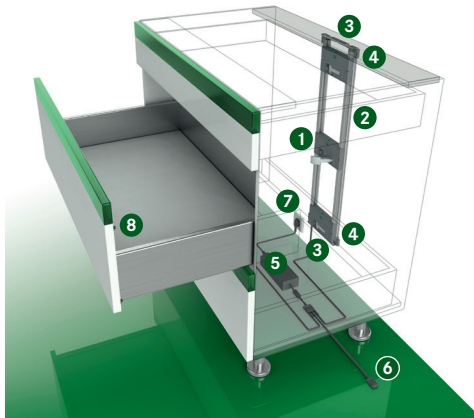
With the touch-sensitive Sensomatic device all you need is a gentle touch anywhere on the drawer front to automatically open the drawers. The action is steady and precise. The perfect movement for today's functional requirements.

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 1/4" (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.

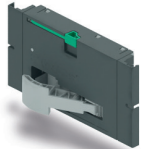
Sensomatic

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 1/4" (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

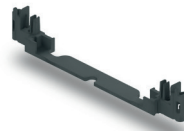
2 Frame Sides, Including Frame Side Cable



| 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) | F120069760207 | 10 |

8 Spring-loaded Front Bumper

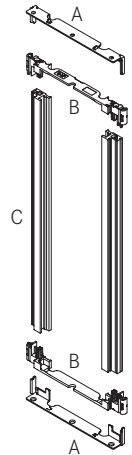
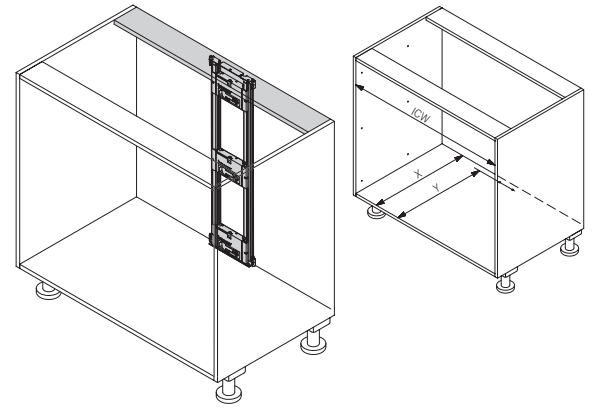
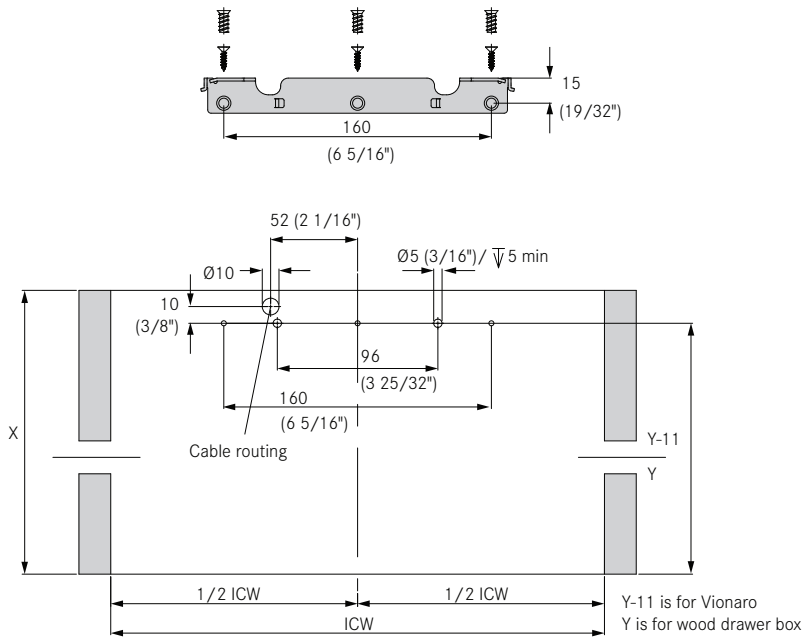


| Ø 5mm | Item No. | PU |
|-----------------|----------------------|-----|
| Front gap 2.2mm | F121100294223 | 100 |
| Front gap 3mm | F121100295223 | 100 |

PU - Packaging unit

Mounting Dimensions

Fixing brackets positioned at top and bottom



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

Legend

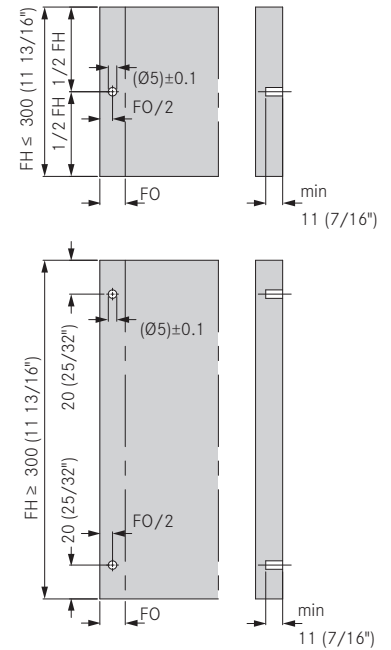
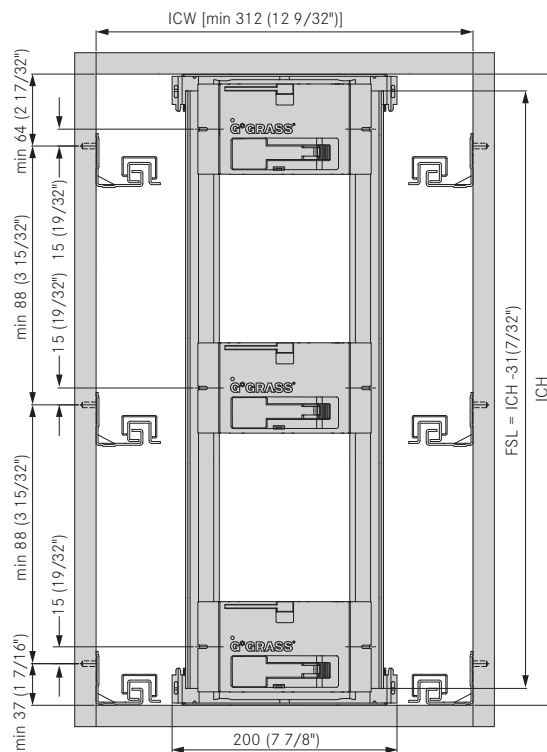
Position of Opening Unit for Dynapro

Position of Front Bumper

- A = fixing bracket used at top and bottom
- B = frame connector
- C = frame sides
- ICW = inside cabinet width
- NL = nominal length of cabinet slide
- X = min installation depth
- Y = depth of hole pattern

- FSL = frame side length
- ICH = inside cabinet height

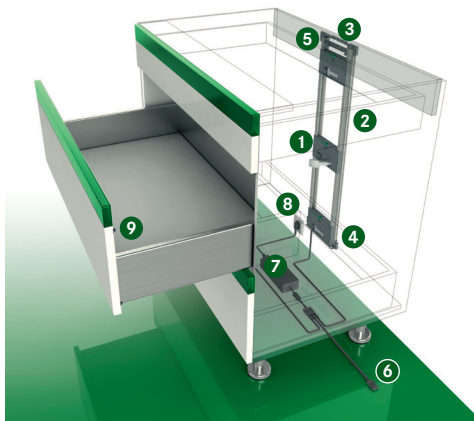
- FH = front height
- FO = front overlay



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

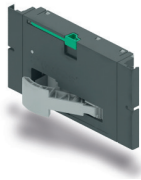
Sensomatic for Dynapro

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 1/4" (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

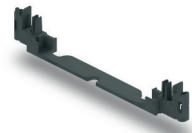
2 Frame Sides, including Frame Side Cable



| 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 Rear-mount Fixing Brackets



| | Item No. | PU |
|-------------|----------------------|----|
| Flush mount | F121100275207 | 10 |

6 Connection Cable with 2-way-adapter



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

7 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

8 Power Cord, 1.8 m (6')



| Type of plug | Item No. | PU |
|----------------------|----------------------|----|
| Power cord (USA, CA) | F120069760207 | 10 |

9 Spring-loaded Front Bumper

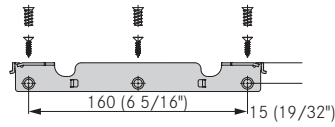
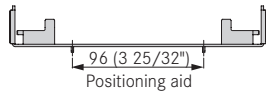


| Ø 5mm | Item No. | PU |
|-----------------|----------------------|-----|
| Front gap 2.2mm | F121100294223 | 100 |
| Front gap 3mm | F121100295223 | 100 |

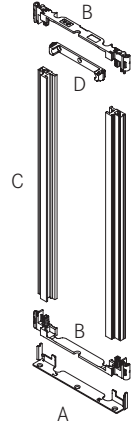
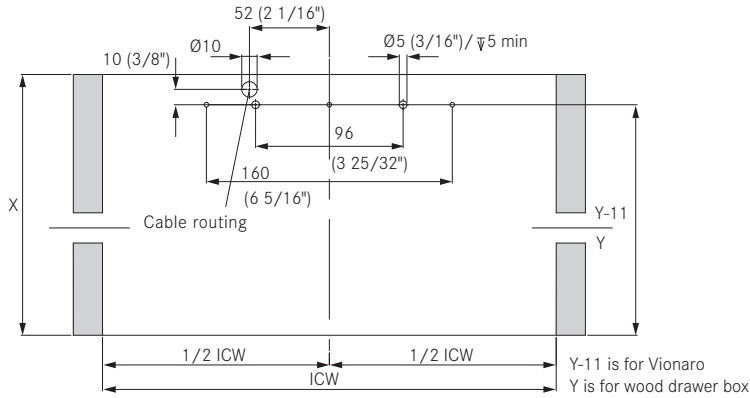
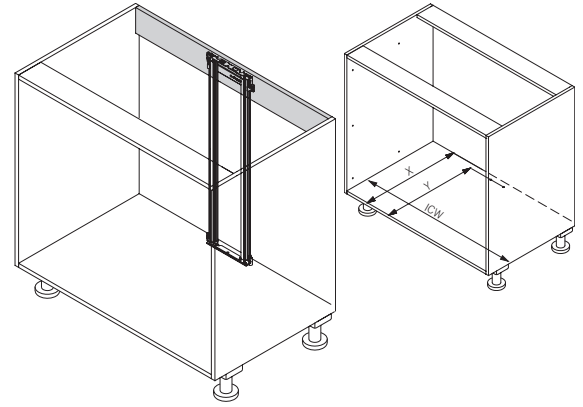
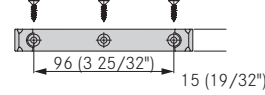
PU - Packaging unit

Mounting Dimensions

Fixing bracket positioned at bottom



Rear-mount fixing bracket (flush mount)



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

Legend

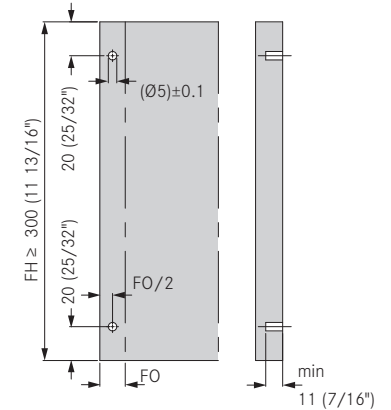
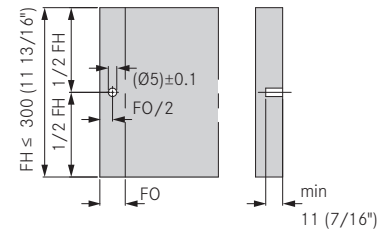
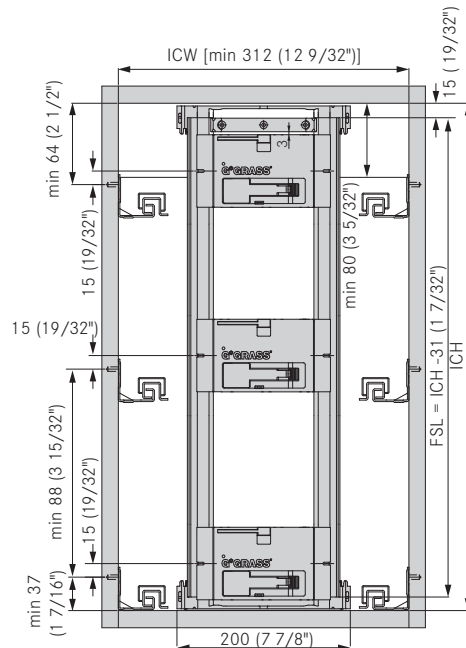
Position of Opening Unit for Dynapro

Position of Front Bumper

- A = fixing bracket used at top and bottom
- B = frame connector
- C = frame sides
- D = Rear mount fixing bracket, flush
- ICW = inside cabinet width
- NL = nominal length of cabinet slide
- X = min installation depth
- Y = depth of hole pattern

FSL = frame side length
ICH = inside cabinet height

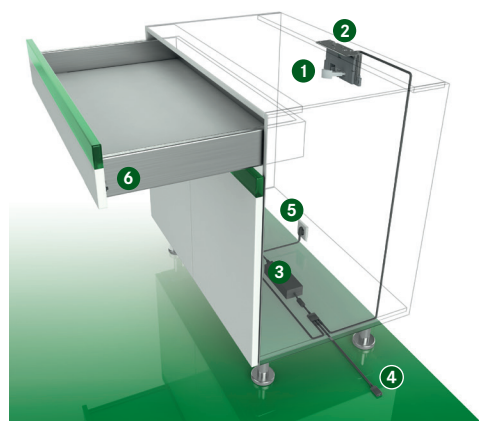
FH = front height
FO = front overlay



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

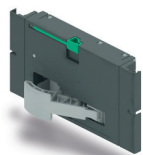
Sensomatic for Dynapro

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 1/4" (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

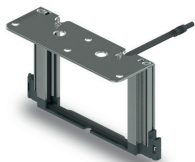
1 Opening Unit



| | 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) | F120069760207 | 10 |

6 Spring-loaded Front Bumper

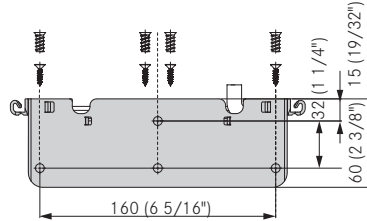
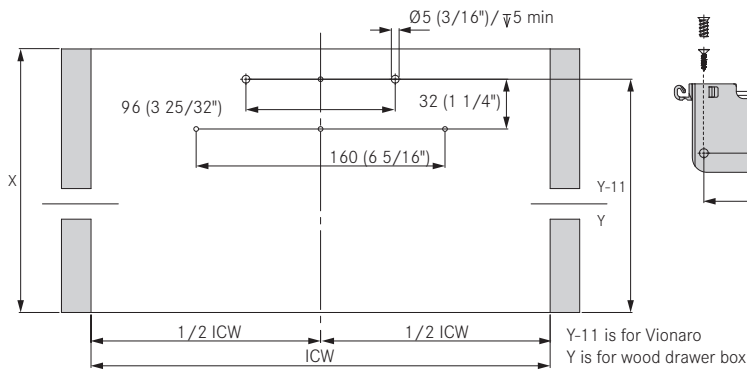
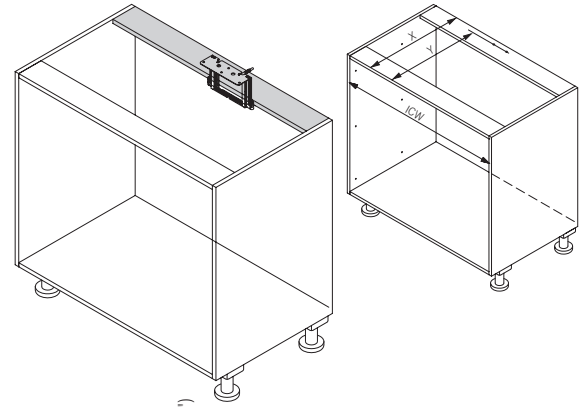
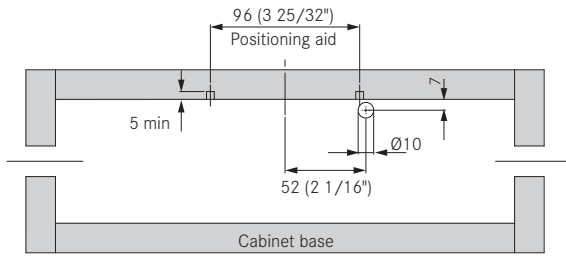


| Ø 5mm | Item No. | PU |
|-----------------|----------------------|-----|
| Front gap 2.2mm | F121100294223 | 100 |
| Front gap 3mm | F121100295223 | 100 |

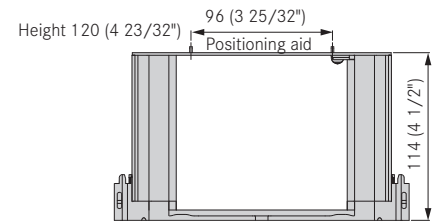
PU - Packaging unit

Mounting Dimensions

Back wall cabling



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

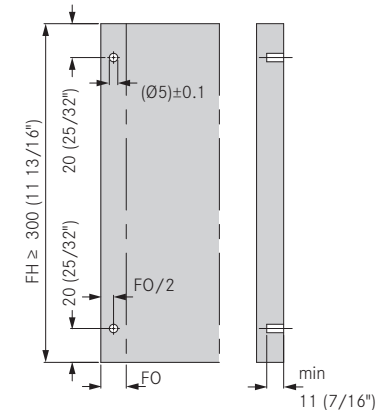
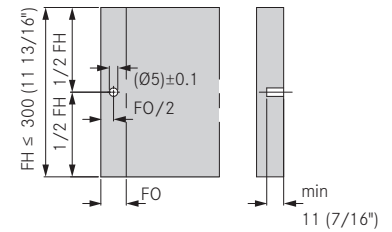
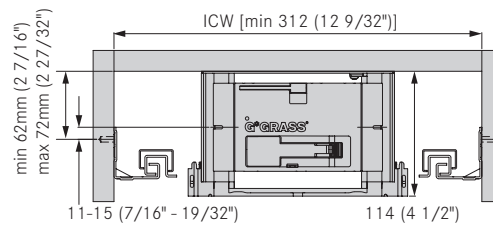


Legend

Position of Opening Unit for Dynapro

Position of Front Bumper

Height 120 (4 23/32")



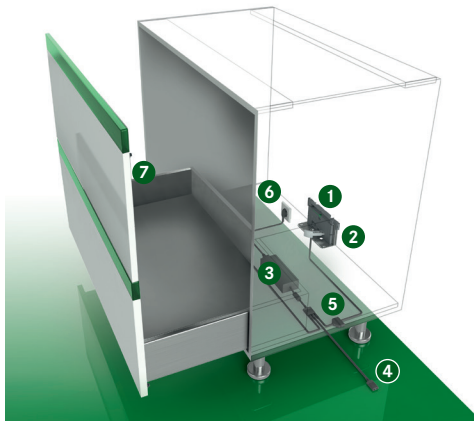
ICW = inside cabinet width
 NL = nominal length of cabinet slide
 X = min installation depth
 Y = depth of hole pattern

FH = front height
 FO = front overlay

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

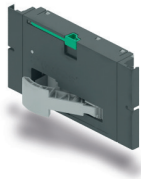
Sensomatic for Dynapro

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 1/4" (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) | F120069760207 | 10 |

7 Spring-loaded Front Bumper



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

Sensomatic Kit



Set includes:

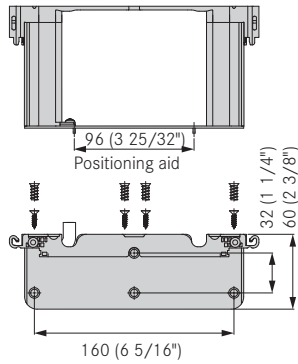
Opening unit: 1 Power cord: 1
 Base frame: 1 Front bumpers: 4
 Power supply unit : 1 (F121100294223)

| | Item No. | PU |
|-------------|----------------------|----|
| For Dynapro | F121100697201 | 1 |

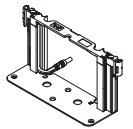
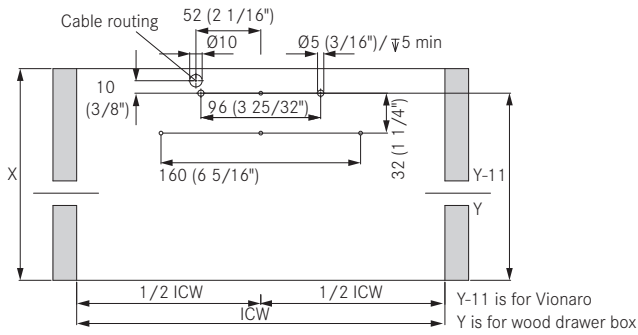
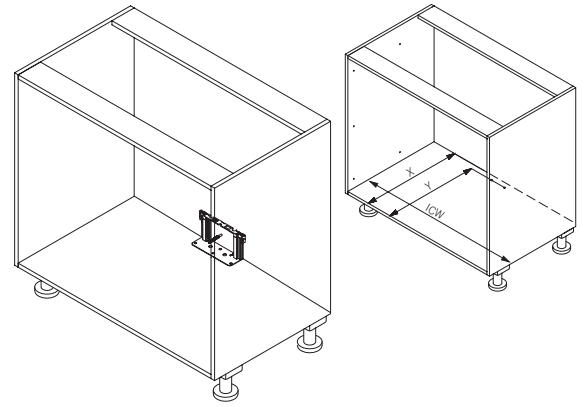
PU = 1 set

PU - Packaging unit

Mounting Dimensions



Base mounting



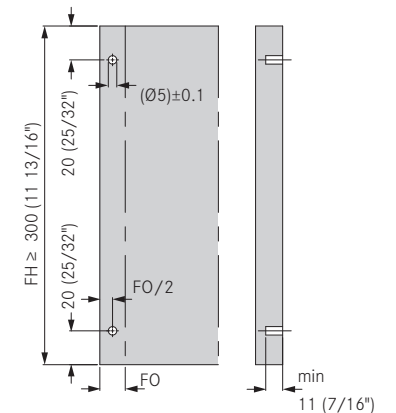
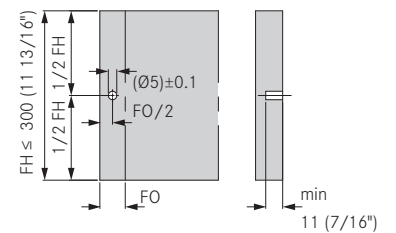
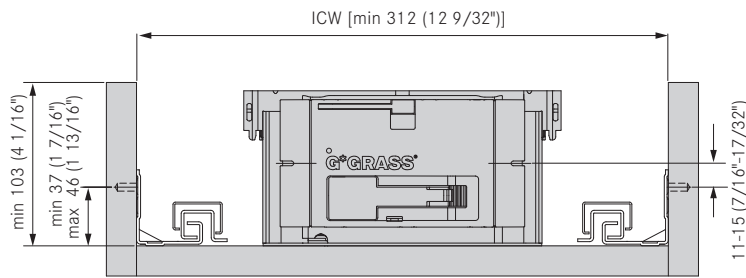
Base frame

| 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



ICW = inside cabinet width
 NL = nominal length of cabinet slide
 X = min installation depth
 Y = depth of hole pattern

FH = front height
 FO = front overlay

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



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