



The slim line drawer system manufactured of top quality material combines with the Dynapro slide system. Functional technology meets perfect form.





The simple clean design of the new Vionaro brings truth to the statement, "Less is More."

Maximum reduction means using the least possible to make the most possible.

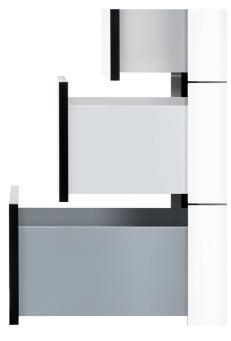
Whether it is in the kitchen, the bath, or the living room the concise shape, slim design, and top quality material of the Vionaro drawer makes your cabinetry classic. The perfectly designed drawer sides are formed from a single piece of high quality steel using cutting-edge laser technology. The side heights are offered in 89mm, 121mm, 185mm and 249mm in White, Silver Grey, and Graphite. Inset front panels and cross divider rails are offered for complete drawer organization.

Vionaro is cleverly attached to the Dynapro undermount drawer systems so it offers everything the Dynapro has: high load capacity, synchronized movement, low pull-out force, and 4 dimensional adjustment. Previously the Dynapro

was only used with wood drawers but now it is a multi-functional drawer system that is ideal for modern cabinetry.

For a handle-free opening the Vionaro also works with Sensomatic, Grass' electro-mechanical opening system and Tipmatic push to open mechanism. With a light touch anywhere on the drawer front, the drawer automatically opens.

With GRASS' Soft-closing system, each drawer is pulled closed with a soft and gentle motion.



VIONARO DRAWER SYSTEM

Classic. Clean. Concealed.
Vionaro, the new generation of double-wall drawers, combines with Dynapro for a system so advanced, yet stylish.





reddot award 2014 winner



Design, attention to detail, precise movement, and quality – virtually no other drawer system achieves such a perfect form.

When you open the innovative Vionaro drawer you will find a slimline designer inspired drawer. Sides of just 13mm (1/2") made from materials of the highest quality offer a drawer with the ultimate in storage space design.

The Vionaro drawer sides rest on top of the proven Dynapro concealed slide system turning Dynapro into a multi-functional system. This combination results in a complete drawer system



that meets the highest design aspirations. Vionaro now has everything that Dynapro has: a full extension concealed slide with outstanding running performance, a high load carrying capacity and a low pull-out force.

Vionaro becomes the complete drawer system for modern cabinetry. Vionaro features a strong connection to the drawer front offering height, tilt and side adjustment on the drawer sides and depth adjustment from the drawer slide. The soft-close action brings the Vionaro drawer to a gentle quiet close.



With the addition of Sensomatic, the electronic opening system, it becomes possible to create large, handle-free drawers that open with a gentle push on the front.

Vionaro is the proud winner of the 2014 reddot award judged on functionality, innovation, quality and ecological compatibility. Vionaro – functional technology with perfect form.

Vionaro





	Description	Adjustment	Page
	Features and Benefits		6
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	Vionaro H89 Height 89mm (3 1/2") Integrated 3-dimensional adjustment Slim 13mm drawer side width	 Height adjustment (max. + 2.5 /-1.5mm) Side adjustment (max. ± 1.5mm) Tilt adjustment (max. + 2.5 /-1.5mm) 	10
	Vionaro H89 Inset Front Panel Height 89mm (3 1/2") Integrated 3-dimensional adjustment Slim 13mm drawer side width	 Height adjustment (max. + 2.5 /-1.5mm) Side adjustment (max. ± 1.5mm) Tilt adjustment (max. + 2.5 /-1.5mm) 	12
	Vionaro H121 Height 121mm (4 3/4") Integrated 3-dimensional adjustment Slim 13mm drawer side width	 Height adjustment (max. + 2.5 /-1.5mm) Side adjustment (max. ± 1.5mm) Tilt adjustment (max. + 2.5 /-1.5mm) 	14
	Vionaro H185 Height 185mm (7 1/4") Integrated 3-dimensional adjustment Slim 13mm drawer side width	 Height adjustment (max. + 2.5 /-1.5mm) Side adjustment (max. ± 1.5mm) Tilt adjustment (max. + 2.5 /-1.5mm) 	16
	Vionaro H185 Inset Front Panel Height 185mm (7 1/4") Integrated 3-dimensional adjustment Slim 13mm drawer side width	 Height adjustment (max. + 2.5 /-1.5mm) Side adjustment (max. ± 1.5mm) Tilt adjustment (max. + 2.5 /-1.5mm) 	18
	Vionaro H249 Height 249mm (9 3/4") Integrated 3-dimensional adjustment Slim 13mm drawer side width	 Height adjustment (max. + 2.5 /-1.5mm) Side adjustment (max. ± 1.5mm) Tilt adjustment (max. + 2.5 /-1.5mm) 	20
	Vionaro Cross Divider • For all Vionaro drawers • Cut to length • Simple installation		22
	Dynapro 16 Face Frame & Frameless 2-Dimensional Integrated Soft-close Full extension For Vionaro or 16mm (5/8") material	 Height adjustment (max. + 3.5mm) Depth adjustment (max. + 4.5mm)(optional) 	24
	Dynapro 16 Face Frame & Frameless 3-Dimensional Integrated Soft-close Full extension For Vionaro or 16mm (5/8") material	 Height adjustment (max. + 3.5mm) Depth adjustment (max. + 4.5mm)(optional) 	26
	Dynapro 16 Tipmatic Face Frame & Frameless 2-Dimensional Integrated Tipmatic Full extension For drawers without pulls	Height adjustment (max. + 3.5mm)	28
Grandse.	Sensomatic • Automatic drawer opening		30
	Assembly Aids	 Accessories and Assembly Aids for Vionaro Accessories and Assembly Aids for Dynapro 	40

Features and Benefits

Vionaro

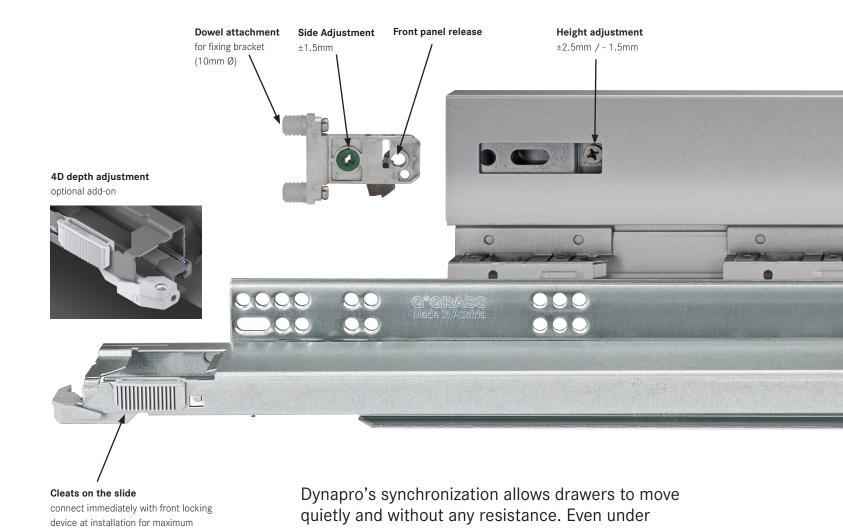
Features



connection between the drawer slide

and front locking device.

- 90° straight corners and sides
- Slim 13mm width side
- Integrated height and side adjustment, tilt adjustment at back
- · Tool free assembly
- Works exclusively with Dynapro
- Maximum drawer width 48"
- · For frame and frameless cabinetry



a load capacity of up to 88 pounds the exceptional

running performance remains unchanged.

Features and Benefits

Dynapro

Features

- Wear resistant nylon rollers ensure quiet and precise running characteristics
- Easy to open with a low pull out force
- Support roller for uniform drawer front height
- 88 lb dynamic load for Dynapro 2D and 3D standard slides and Dynapro Tipmatic
- 132 lb dynamic load for Dynapro 3D Heavy Duty Slides
- Dynapro slide is interchangeable with Vionaro and wood drawers
- Full Extension with Soft-closing action
- Unique and integrated liquid damper
- 8mm damper offers new closing technology



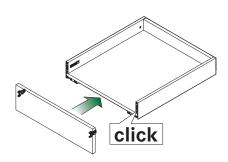


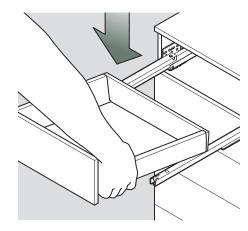
Technical Information

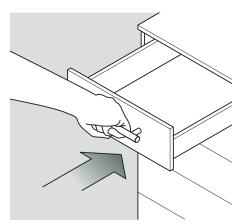
Vionaro

Attaching Drawer Front and Inserting Drawer

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

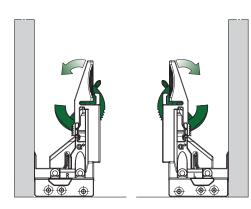






Removing the Drawer

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



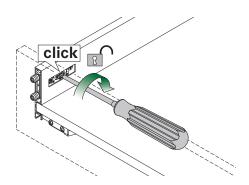
Use #6x 5/8" screws for mounting

Removing the Drawer Front

Use a pozidrive #2 screwdriver to release and on all adjustments.







Weight Capacities per Pair of Slides



Dynapro 2D, 3D, and Tipmatic: 88 lb dynamic load rating; 100 lb static load rating

Dynapro 3D Heavy Duty: 132 lb dynaminc load rating; 150 lb static load rating

Dynapro meets and exceeds the minimum requirements of ANSI/BHMA 156.9 Standard, Grade 1



Height Adjustment (max. +2.5 / -1.5mm) Vionaro Dynapro Front Locking Device 2 3 1 Adjust both sides Front locking device with flange Side Adjustment (max. ±1.5mm) Vionaro 2 3 1 Adjust both sides Tilt Adjustment (max. +2.5 / -1.5mm) Vionaro Adjust both sides 3D Adapter Set Depth Adjustment (+4.5mm forward) Dynapro 16 2D and 3D Screwdriver is required for removal of the standard fitting. Postion rear adapters at 2 1 the back of each Vionaro drawer side as shown. 4.5mm of Adjustment Step 1 Align with bottom hole. Step 3 Snap into place. Adjust Left and Right adjustment screws simultaneously in opposite directions Step 2 Push into opening. Press in on tab with screwdriver Insert depth fitting and rotate to lock

Fitting tab snaps into

Rotate and remove fitting

Vionaro H89, 89mm (3 1/2") side height

13mm slimline drawer for Dynapro 16



- $\bullet\,$ Cubist design with 90° angles
- Slimline 13mm (1/2") side width
- 3 dimensional adjustment
- Integrated side and height adjustment, tilt angle adjustment at back
- Plus and minus adjustments for all dimensions
- Bottom panel is cut to size without notching
- Tool-free front assembly
- For frame and frameless cabinetry
- Compatible with Dynapro 2D undermount slides
- Compatible with Dynapro 3D undermount slides using 3D adapter set

Vionaro H89



Drawer Length	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
381 (15")	F135 121 403 211	F135 121 303 211	F135 121 353 211	10
457 (18")	F135 121 406 211	F135 121 306 211	F135 121 356 211	10
533 (21")	F135 121 409 211	F135 121 309 211	F135 121 359 211	10

Note: See pages 24-29 for compatible Dynapro Slides and 3D adapter set

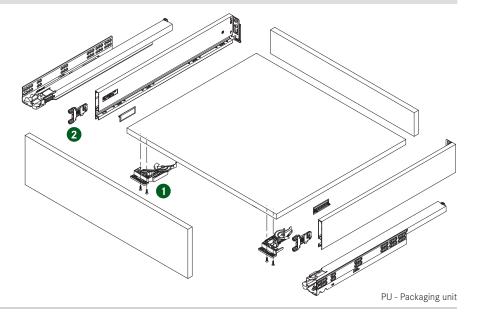
Front Locking Devices and Adapter Sets





Description		Item No.	PU
(Must order separately)			
Front locking device with flange, left		F134 116 420 233	200
Front locking device with flange, right		F134 116 421 233	200
Front locking device with flange, set		F134 116 422 204	5
Adapter Set for 89mm height	White	F136 135 095 517	50
Adapter set includes:	Silver Grey	F136 106 491 517	50
2 Front connectors with 10mm dowels	Graphite	F136106492517	50

2 Interior cover caps

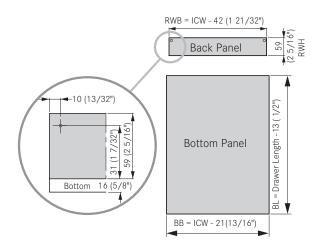


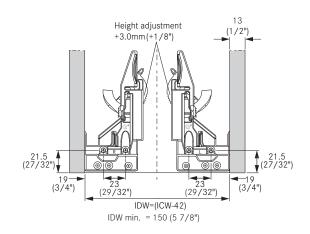


Drawer height	89mm (3 1/2")
Standard Dynamic Load	88 lb (40 kg)
HD Dynamic Load	132 lb (60 kg)
Static Load Standard/HD	100 lb (45 kg) 150 lb (45 kg)

Drawer Back and Bottom Measurements

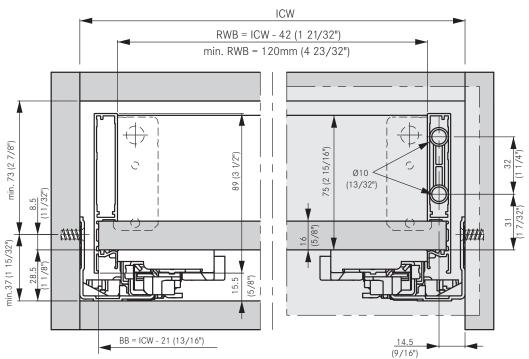
Front Locking Device Position





Legend

Drawer Measurements



BB = bottom panel width

BL = bottom panel length

ICW = inside cabinet width

IDW = inside drawer width

RWB = back panel width

RWH = back panel height

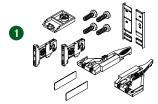
Vionaro H89 Inset Drawer System

Inset front panel and accessory set



- Color-coordinated aluminum front panel profile
- 89mm (3 1/2") side height
- $\bullet\,$ Cubist design with 90° angles
- Slimline 13mm (1/2") side width
- Bottom panel is cut to size without notching

Vionaro H89 Inset Drawer and Accessory Set



Description	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
H89 Inset Drawer Accessory Set	F136 100 279 517	F136 100 277 517	F136 100 278 517	50

Accessory set consists of:

1a 2 - Cover Cap

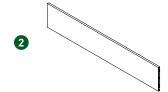
1d 4 - Front Connector Screws

1 - Front Locking Device Set, left/right

1 - Front Bottom Connector

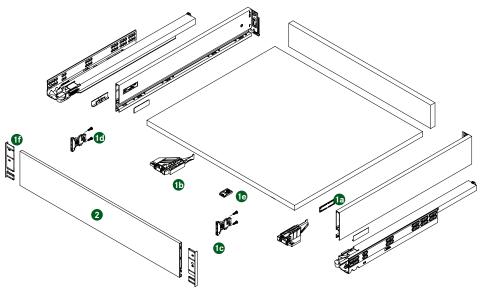
1c 2 - Front Connector

1 2 - End cap



Description/Length	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
H89 Inset Front Panel				
1160 (45 11/16")	F136 120 569 507	F136 122 619 507	F136 120 538 507	10

H89 inset front panels can be cut to length. One side is pre-drilled and a drilling template is provided for the other side for accurate installation. Assembly instructions for the accessory set are included with each panel.



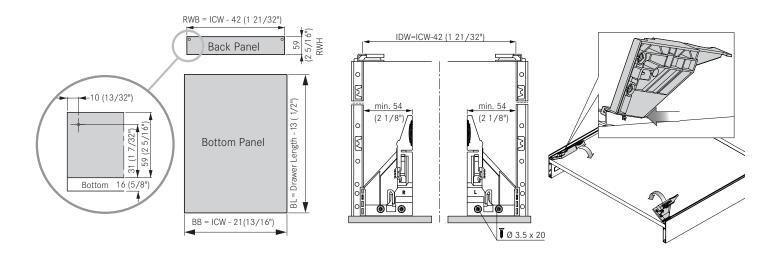
PU - Packaging unit



Drawer height	89mm (3 1/2")
Standard Dynamic Load	88 lb (40 kg)
HD Dynamic Load	132 lb (60 kg)
Static Load Standard/HD	100 lb (45 kg) 150 lb (45 kg)

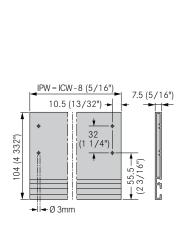
Inset Drawer Back and Bottom Measurements

Front Locking Device Position and Installation



Front Panel Measurements

Drawer Measurements



Front Panel Measurements

One side is pre-drilled and a drilling template is provided for the other side for accurate installation. Assembly instructions for the accessory set are included with each panel.

BB = bottom panel width

BL = bottom panel length

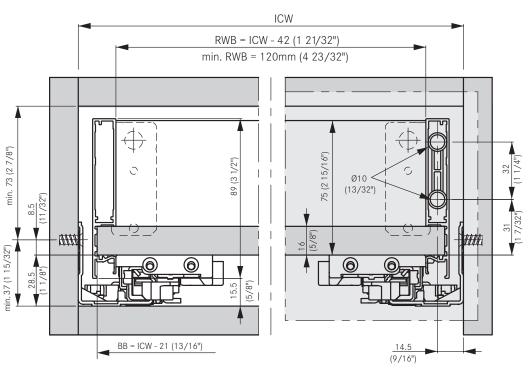
ICW = inside cabinet width

IDW = inside drawer width

IPW = inside panel width

RWB = back panel width

RWH = back panel height



Vionaro H121, 121mm (4 3/4") side height

13mm slimline drawer for Dynapro 16



- $\bullet\,$ Cubist design with 90° angles
- Slimline 13mm (1/2") side width
- 3 dimensional adjustment
- Integrated side and height adjustment, tilt angle adjustment at back
- Plus and minus adjustments for all dimensions
- Bottom panel is cut to size without notching
- Tool-free front assembly
- For frame and frameless cabinetry
- Compatible with Dynapro 2D undermount slides
- Compatible with Dynapro 3D undermount slides using 3D adapter set

Vionaro H121



Drawer Length	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
381 (15")	F135 135 041 207	F135 135 050 207	F135 135 059 207	10
457 (18")	F135 135 044 207	F135 135 053 207	F135 135 062 207	10
533 (21")	F135 135 047 207	F135 135 056 207	F135 135 065 207	10

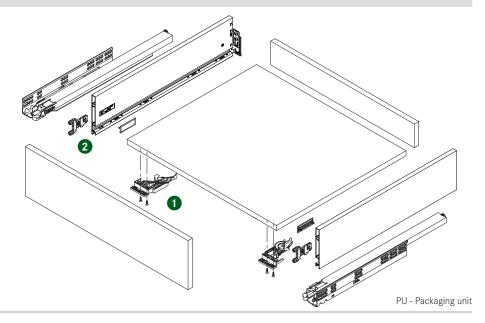
Note: See pages 24-29 for compatible Dynapro Slides and 3D adapter set

Front Locking Devices and Adapter Set





Description		Item No.	PU
(Must order separately)			
Front locking device with flange, left		F134 116 420 233	200
Front locking device with flange, right		F134 116 421 233	200
Front locking device with flange, set		F134 116 422 204	5
Adapter Set for 89mm height*	White	F136 135 095 517	50
(*89mm Adapter Sets are used with H121 Vionaro)	Silver Grey	F136 106 491 517	50
Adapter set includes: Graphite		F136 106 492 517	50
2 Front connectors with 10mm dowels, 2 Interior cover cap	ns .		

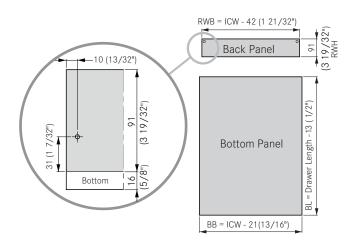


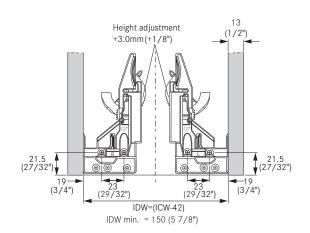


Drawer height	121mm (4 3/4")
Standard Dynamic Load	88 lb (40 kg)
HD Dynamic Load	132 lb (60 kg)
Static Load Standard/HD	100 lb (45 kg) 150 lb (45 kg)

Drawer Back and Bottom Measurements

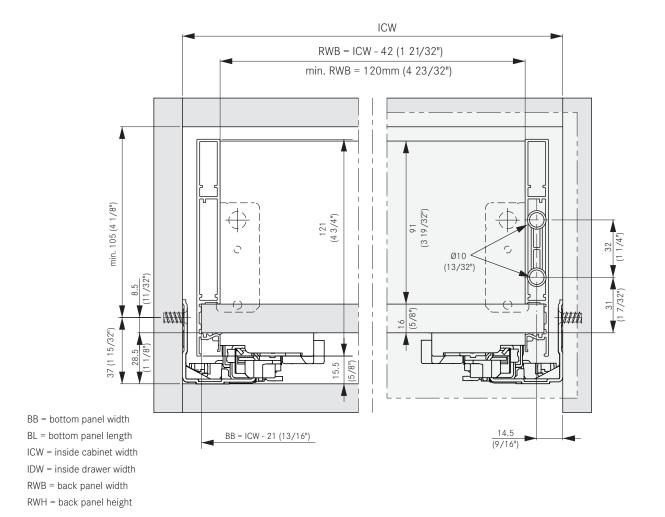
Front Locking Device Position





Legend

Drawer Measurements



Vionaro H185, 185mm (7 1/4") side height

13mm slimline drawer for Dynapro 16



- Cubist design with 90° angles
- Slimline 13mm (1/2") side width
- 3 dimensional adjustment
- Integrated side and height adjustment, tilt angle adjustment at back
- Plus and minus adjustments for all dimensions
- Bottom panel is cut to size without notching
- Tool-free front assembly
- · For frame and frameless cabinetry
- Front adapter with stabilizer ensures maximum stability on tall fronts
- Compatible with Dynapro 2D undermount slides
- Compatible with Dynapro 3D undermount slides using 3D adapter set

Vionaro H185



Drawer Length	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
381 (15")	F135 121 603 207	F135 121 503 207	F135 121 553 207	5
457 (18")	F135 121 606 207	F135 121 506 207	F135 121 556 207	5
533 (21")	F135 121 609 207	F135 121 509 207	F135 121 559 207	5

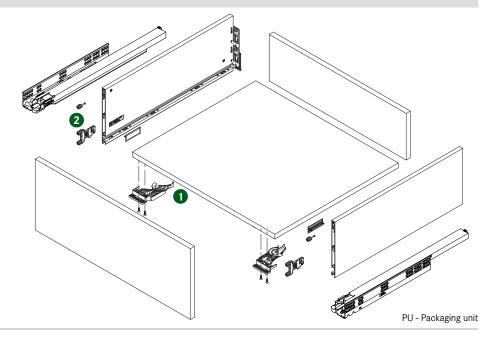
Note: See pages 24-29 for compatible Dynapro Slides

Locking Devices





Description		Item No.	PU
(Must order separately)			
Front locking device with flange, left		F134 116 420 233	200
Front locking device with flange, right		F134 116 421 233	200
Front locking device with flange, set		F134 116 422 204	5
Adapter Set for 185mm height	White	F136 135 096 517	50
Adapter set includes:	Silver Grey	F136 106 493 517	50
2 Front connectors with 10mm dowels	Graphite	F136 106 494 517	50
2 Interior cover caps, 2 Front stabilizers with 8mm	n dowels		

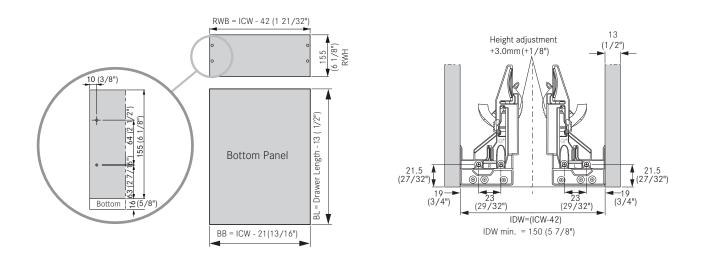




Drawer height	185mm (7 1/4")
Standard Dynamic Load	88 lb (40 kg)
HD Dynamic Load	132 lb (60 kg)
Static Load Standard/HD	100 lb (45 kg) 150 lb (45 kg)

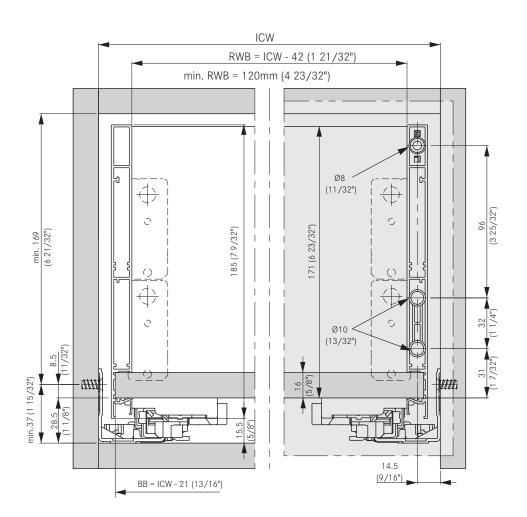
Drawer Back and Bottom Measurements

Front Locking Device Position and Installation



Legend

Drawer Measurements



BB = bottom panel width
BL = bottom panel length
ICW = inside cabinet width
IDW = inside drawer width

RWB = back panel width

RWH = back panel height

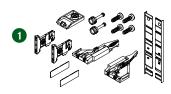
Vionaro H185 Inset Drawer System

Inset front panel and accessory set



- Color-coordinated aluminum front panel profile
- 185mm (7 1/4") side height
- $\bullet\,$ Cubist design with 90° angles
- Slimline 13mm (1/2") side width
- Bottom panel is cut to size without notching

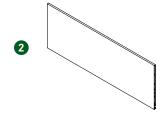
Vionaro H185 Inset Drawer and Accessory Set



		PU
H185 Inset Drawer Accessory Set F136100320517 F136100318517 F13610031951	17	50

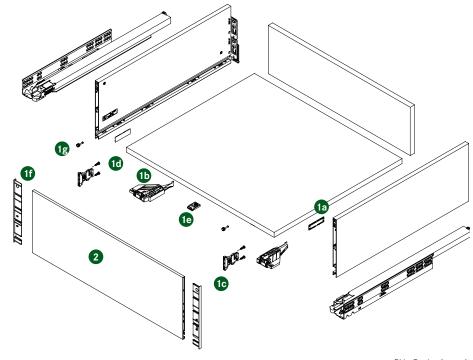
Accessory set consists of:

- 1a 2 Cover Cap
- 164 Front Connector Screws
- 1 2 Front Stabilizer with 8mm dowel
- **(b)** 1 Front Locking Device Set, left/right **(e)** 1 Front Bottom Connector
- 10 2 Front Connector
- 162 End cap



Description/Length	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
H185 Inset Front Panel				
1160 (45 11/16")	F136120589507	F136 122 669 507	F136120539507	10

H185 inset front panels can be cut to length. One side is pre-drilled and a drilling template is provided for the other side for accurate installation. Assembly instructions for the accessory set are included with each panel.

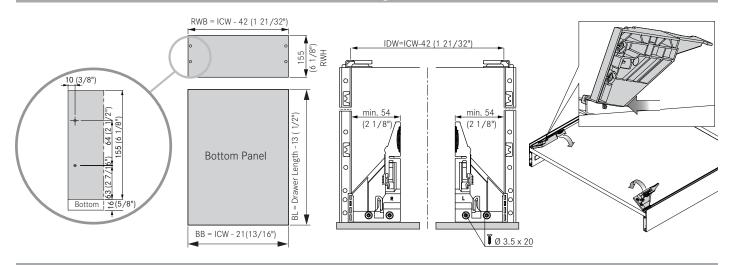




Drawer height	185mm (7 1/4")
Standard Dynamic Load	88 lb (40 kg)
HD Dynamic Load	132 lb (60 kg)
Static Load Standard/HD	100 lb (45 kg) 150 lb (45 kg)

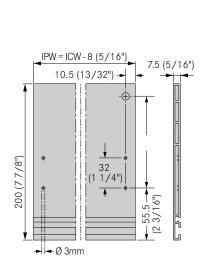
Inset Drawer Back and Bottom Measurements

Front Locking Device Position and Installation



Front Panel Measurements

Drawer Measurements



Front Panel Measurements

One side is pre-drilled and a drilling template is provided for the other side for accurate installation. Assembly instructions for the accessory set are included with each panel.

BB = bottom panel width

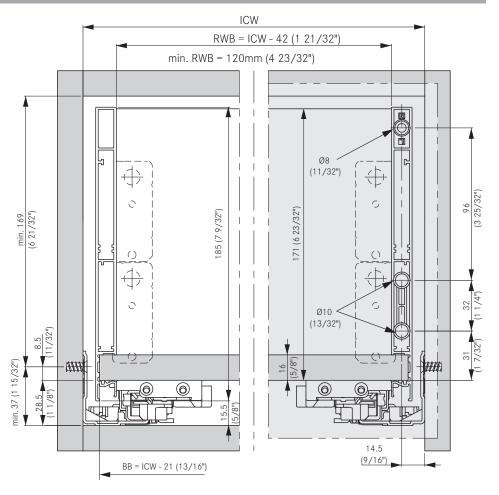
BL = bottom panel length

ICW = inside cabinet width

IDW = inside drawer width

RWB = back panel width

RWH = back panel height



Vionaro H249, 249mm (9 3/4") side height

13mm slimline drawer for Dynapro 16



- Cubist design with 90° angles
- Slimline 13mm (1/2") side width
- 3 dimensional adjustment
- Integrated side and height adjustment, tilt angle adjustment at back
- Plus and minus adjustments for all dimensions
- Bottom panel is cut to size without notching
- Tool-free front assembly
- · For frame and frameless cabinetry
- Front adapter with stabilizer ensures maximum stability on tall fronts
- Compatible with Dynapro 2D undermount slides
- Compatible with Dynapro 3D undermount slides using 3D adapter set

Vionaro H249



Drawer Length	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
381 (15")	F135 135 068 207	F135 135 077 207	F135 135 086 207	5
457 (18")	F135 135 071 207	F135 135 080 207	F135 135 089 207	5
533 (21")	F135 135 074 207	F135 135 083 207	F135 135 092 207	5

Note: See pages 24-29 for compatible Dynapro slides and 3D adapter set

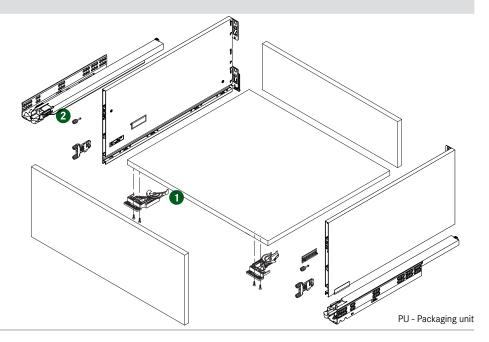
Front Locking Devices and Adapter Set







Description	Item No.	PU	
(Must order separately)			
Front locking device with flange, left		F134 116 420 233	200
Front locking device with flange, right		F134 116 421 233	200
Front locking device with flange, set		F134 116 422 204	5
Adapter Set for 185mm height*	White	F136 135 096 517	50
(*185mm Adapter Sets are used with H249 Vionaro)	Silver Grey	F136 106 493 517	50
Adapter Set includes:	Graphite	F136 106 494 517	50
2 Front Connectors with 10mm dowels			
2 Interior cover caps, 2 Front stabilizers with 8mm dow	/els		

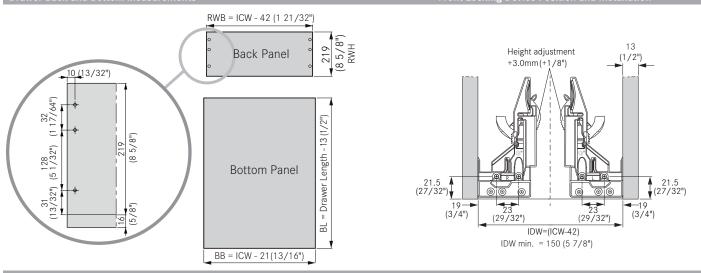




Drawer height	249mm (9 3/4")
Standard Dynamic Load	88 lb (40 kg)
HD Dynamic Load	132 lb (60 kg)
Static Load Standard/HD	100 lb (45 kg) 150 lb (45 kg)

Drawer Back and Bottom Measurements

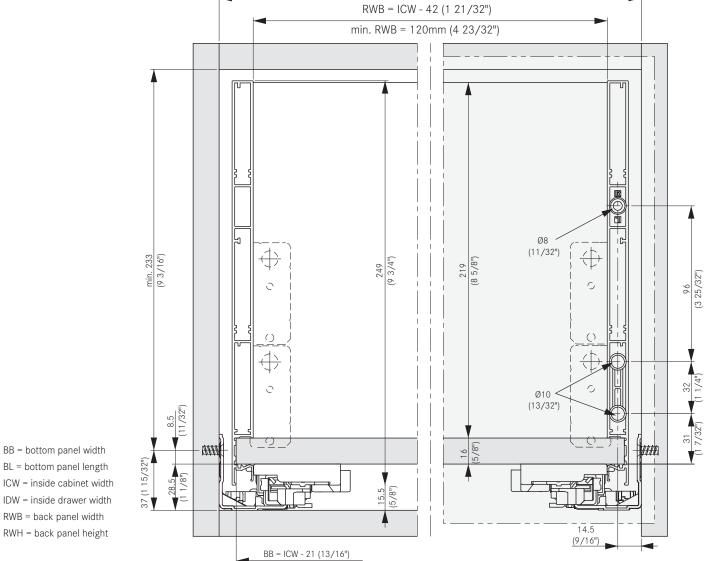
Front Locking Device Position and Installation



Legend Drawer Measurements

ICW

RWB = ICW - 42 (1 21/32")



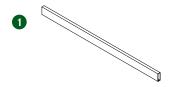
Vionaro Cross-divider

Railing System



- Cross-divider for all Vionaro drawers
- Simple installation by mounting on the drawer side
- Can be retrofitted at any time
- Tool-free adjustment

Vionaro Cross-divider, can be cut to length



Description	Length	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
Cross-divider	1124 (44 1/4")	F136 107 417 507	F136 107 415 507	F136 107 416 507	10

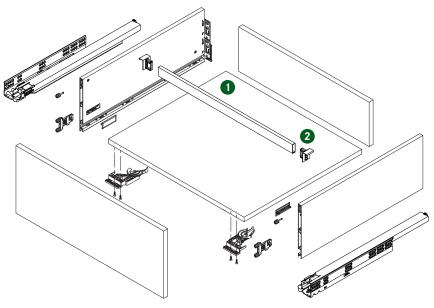
Holder for Cross-divider





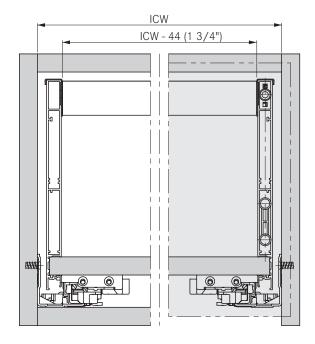


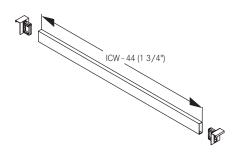
Description	Item No. White	Item No. Silver Grey	Item No. Graphite	PU
Holder for Cross-divider	F136 107 481 533	F136 107 479 533	F136 107 480 533	200



PU - Packaging unit







ICW = inside cabinet width

Dynapro 16, Full Extension Slide, 2D

Integrated Soft-close with 2-dimensional adjustment



- Full extension with a synchronized mechanism
- Soft-close damping system
- Maximum connection to drawer slide and front locking device
- Integrated 2-dimensional adjustment for alignment
- Height adjustment + 3.5mm with front locking device and ±1.5mm via Vionaro
- Side adjustment via Vionaro Drawer
- Depth adjustment +4.5mm (optional)
- 88 lb load rating (40 kg)
- For frame and frameless cabinetry

Dynapro 16 Full Extension Slides, 88 lb (40 kg) and 132 lb (60 kg)



Drawer Length	Nominal length	Min Installation Depth	Item No.	PU
381 (15")	399 (15 23/32")	403 (15 7/8")	F130 135 015 204	5
457 (18")	475 (18 11/16")	479 (18 27/32")	F130 135 016 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	F130 135 019 204	5

Front Locking Devices, Rear Mounting Brackets, and Adjustment Adapters









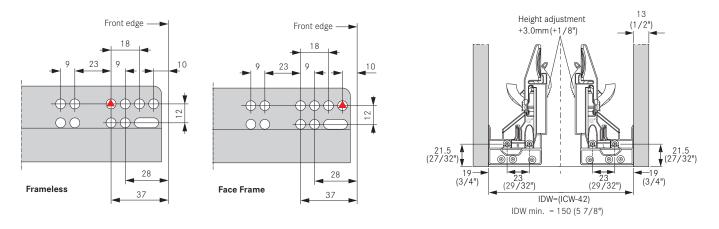
Description	Item No.	P
(Must order separately)		
Front locking device with flange, left	F134 116 420 233	20
Front locking device with flange, right	F134 116 421 233	20
Front locking device with flange, set	F134 116 422 204	
Depth adjuster for drawer front, left and right set	F134 101 002 104	
Rear mounting brackets, non-handed for 12"-21" slides	7950.VE300	3
	7950.VE20	2



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

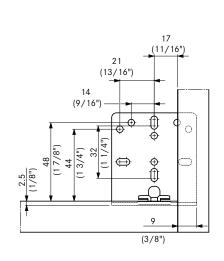
Mounting Position for Front Cabinet Profile

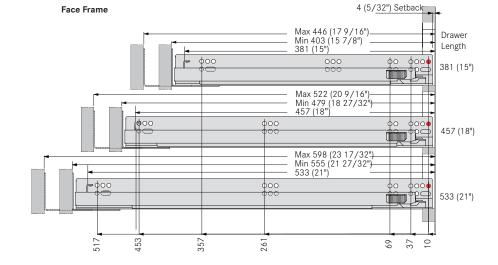
Front Locking Device Position



Rear Bracket for Face Frame

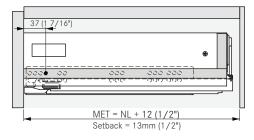
Cabinet Boring Specifications





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.

Minimum Installation Depth for Inset Drawers

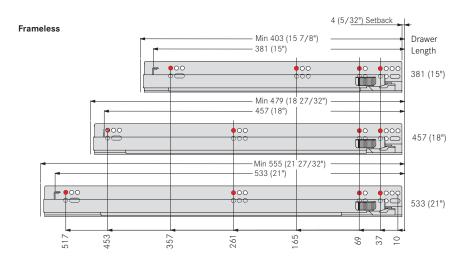


ICW = inside cabinet width

IDW = inside drawer width

MET = Minimum installation depth

NL = Nominal length



Dynapro 16, Full Extension Slide, 3D

Integrated Soft-close with 3-dimensional adjustment



- Full extension with a synchronized mechanism
- Soft-close damping system
- Maximum connection to drawer slide and front locking device
- Integrated 3-dimensional adjustment for alignment
- Height adjustment + 3.5mm with front locking device and ±1.5mm via Vionaro
- Side and tilt adjustment via Vionaro Drawer
- Depth adjustment +4.5mm (optional)
- 88 lb load rating (40 kg) and 132 lb load rating (60 kg)
- For frame and frameless cabinetry
- Compatible with Dynapro 3D undermount slides using 3D adapter set

Dynapro 16 Full Extension Slides, 88 lb (40 kg) and 132 lb (60 kg)



Drawer Length	Nominal length	Min Installation Depth	Item No.	PU
381 (15")	399 (15 23/32")	403 (15 7/8")	F130 135 005 204	5
457 (18")	475 (18 11/16")	479 (18 27/32")	F130 135 006 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	F130 135 007 204	5
Heavy Duty, Full Ext	ension Slides, 132 lb (60 kg)			
457 (18")	475 (18 11/16")	479 (18 27/32")	F130 135 008 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	F130 135 009 204	5

Front Locking Devices, Rear Mounting Brackets, and Adjustment Adapters











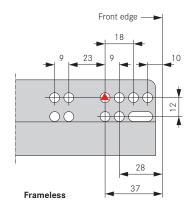
Description	Item No.	
(Must order separately)		
Front locking device with flange, left	F134 116 420 233	2
Front locking device with flange, right	F134 116 421 233	2
Front locking device with flange, set	F134 116 422 204	
Depth adjuster for drawer front, left and right set	F134 101 002 104	
Vionaro 3D adapter set, left and right	00199-03	
(Required to use 3D Dynapro with Vionaro drawers)		
Rear mounting brackets, non-handed for 12"-21" slides	7950.VE300	3
	7950.VE20	

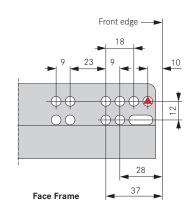


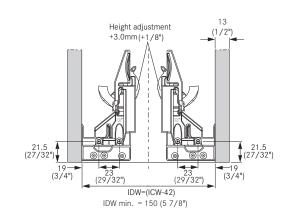
Drawer Material Thickness	16mm (5/8")
Standard Dynamic Load	88 lb (40 kg)
HD Dynamic Load	132 lb (60 kg)
Static Load Standard/HD	100 lb (45 kg) 150 lb (45 kg)

Mounting Position for Front Cabinet Profile



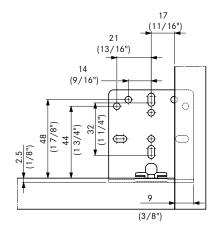






Rear Bracket for Face Frame

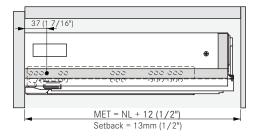
Cabinet Boring Specifications





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

Minimum Installation Depth for Inset Drawers

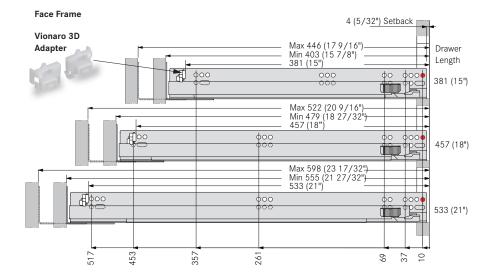


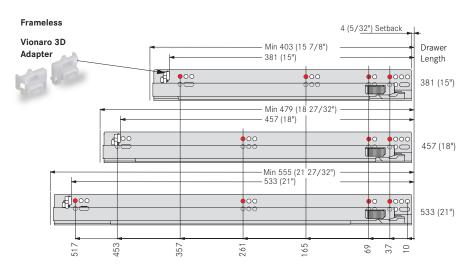
ICW = inside cabinet width

IDW = inside drawer width

MET = Minimum installation depth

NL = Nominal length





Note: Vionaro 3D Adapter Set is required when using Dynapro 3D slides with Vionaro drawer sides.

Dynapro 16, Tipmatic

Tipmatic Full Extension with 2-dimensional adjustment



- Integrated Tipmatic
- Full extension with a synchronized mechanism
- Designed for drawers without pulls
- For face frame and frameless applications
- Secure and smooth operation even if drawer is pulled open
- Maximum connection to drawer slide and front locking device
- Integrated 2-dimensional adjustment for alignment
- Height adjustment + 3.5mm with front locking device and ±1.5mm via Vionaro
- Side adjustment via Vionaro Drawer
- 88 lb load rating (40 kg)
- Drawer widths should not exceed 26" wide

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



Drawer Length	Nominal Length	Min Installation Depth	Item No.	PU
381 (15")	399 (15 23/32")	403 (15 7/8")	F130 116 432 204	5
457 (18")	475 (18 11/16")	479 (18 27/32")	F130 116 433 204	5
533 (21")	551 (21 11/16")	555 (21 27/32")	F130 116 434 204	5

Front Locking Devices and Rear Mounting Brackets







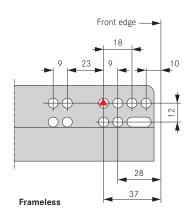
Description	Item No.	P
(Must order separately)		
Front locking device with flange, left	F134 116 420 233	20
Front locking device with flange, right	F134 116 421 233	20
Front locking device with flange, set	F134 116 422 204	
Rear mounting brackets, non-handed for 12"-21" slides	7950.VE300	30
	7950.VE20	2

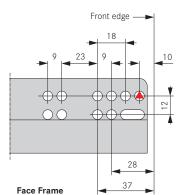


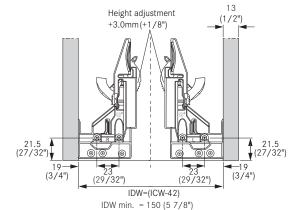
Drawer Material Thickness	16mm (5/8")
Dynamic Load	88 lb (40 kg)
Static Load	100 lb (45 kg)

Mounting Position for Front Cabinet Profile

Front Locking Device Position

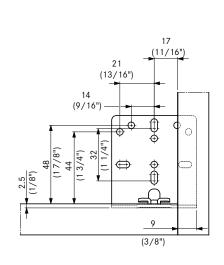


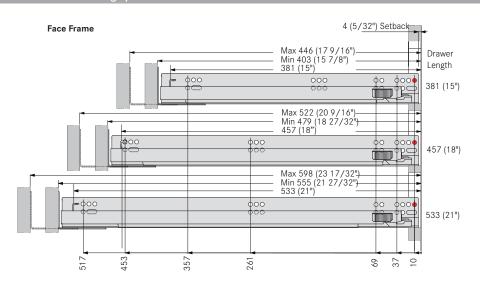




Rear Bracket for Face Frame

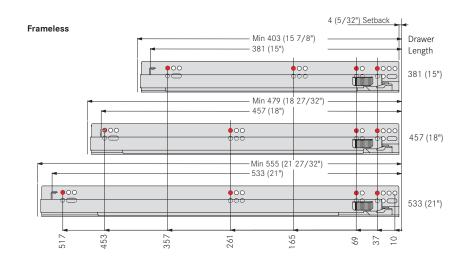
Cabinet Boring Specifications





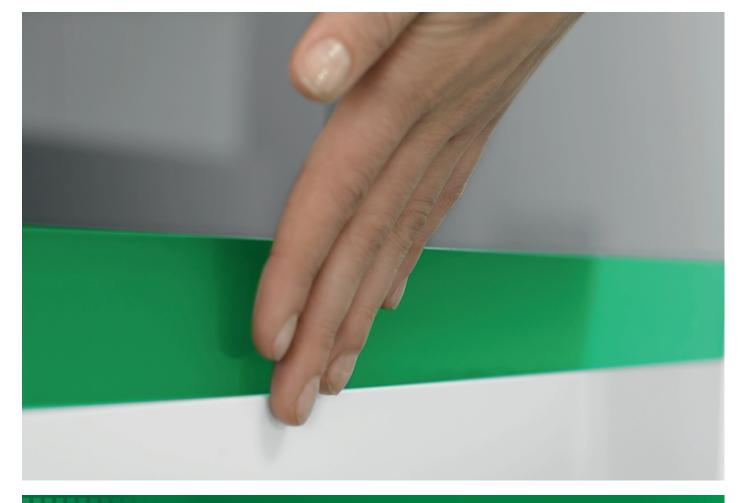
Pre-drilling recommended Ø2.5mm (3/32").

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



ICW = inside cabinet width

IDW = inside drawer width



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.

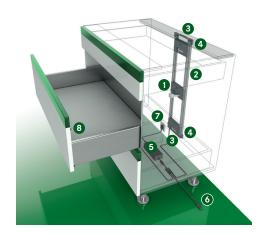
With the touch-sensitive Sensomatic device all you need is a gentle touch anywhere on the drawer front to automatically open the drawers. The action is steady, precise and ingenious. The perfect movement for today's functional requirements.

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

Sensomatic 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 for Vionaro/Dynapro

Standard cabinet with horizontal wooden stretcher



Sensomatic is an electro-mechanical opening system that can be activated by a light touch.

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

1 Opening Unit



	Item No.	PU
For Dynapro	F121 100 268 607	10

PU - 10 Pieces, individually packaged

Frame Sides, Including Frame Side Cable



Length	Item No.	PU
750mm	F121 100 285 207	10
1170mm	F121 100 286 207	10

PU - 10 Pairs

3 Frame Connector



	Item No.	PU
Frame connector	F121 100 282 211	20

4 Fixing Bracket



	Item No.	PU
Fixing bracket	F121 100 270 211	1

Power Supply Unit



	Item No.	PU
Power supply unit	F121 100 269 607	10
PU = 10 pieces, individ	ually packaged	

One power supply operates up to 30 opening units

6 Connection Cable with 2-way-adapter



Length	Item No.	PU
1000mm	F121 100 289 207	10
1600mm	F121 100 290 207	10
2000mm	F121 100 291 207	10

Power Cord, 1.8 m (6')



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

8 Spring-loaded Front Bumper



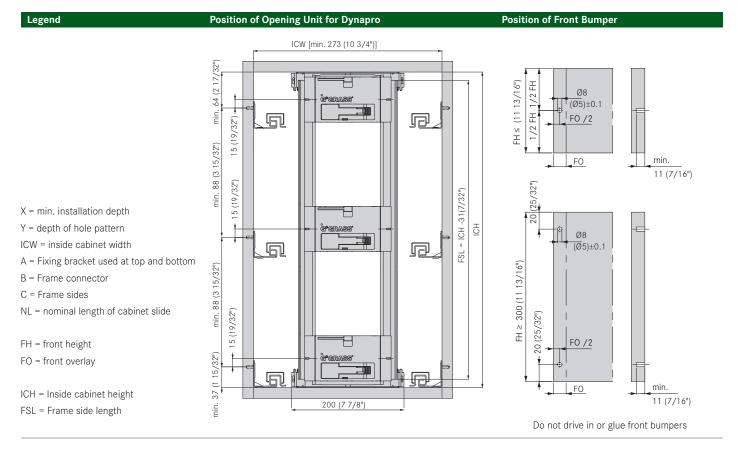
Ø 5mm	Item No.	PU
Front gap 2.2mm	F121 100 294 223	100
Front gap 3mm	F121100295223	100

Ø 8mm	Item No.	PU
Front gap 2.2mm	F121 100 297 223	100
Front gap 3mm	F121100298223	100

PU - Packaging unit

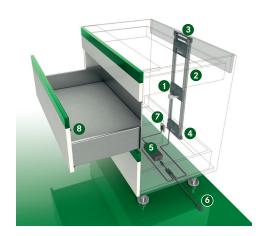


Mounting Dimensions Fixing brackets positioned at top and bottom Ť Ť 160 (6 5/16") 52 (2 1/16") $\emptyset 5(3/16")/\overline{\psi}$ 5min. Ø10 10 ! (13/32") ; (3 25/32") (6 5/16") Y-11 Cable routing 1/2 ICW 1/2 ICW Y-11 is for Vionaro ICW Installation applications Min ICW Mounting dimensions Dynapro X Wood back panel NL + 15 (19/32") NL 273 (10 3/4")



Sensomatic for Vionaro/Dynapro

Standard cabinet with vertical wooden stretcher



Sensomatic is an electro-mechanical opening system that can be activated by a light touch.

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

1 Opening Unit



	Item No.	PU
For Dynapro	F121 100 268 607	10

PU - 10 Pieces, individually packaged

Frame Sides, including Frame Side Cable



Length	Item No.	PU
750mm	F121 100 285 207	10
1170mm	F121 100 286 207	10

PU - 10 Pairs

3 Frame Connector



	Item No.	PU
Frame connector	F121 100 282 211	20

4 Fixing Bracket



	Item No.	PU
Fixing bracket	F121 100 270 211	1

5 Power Supply Unit



	Item No.	PU
Power supply unit	F121 100 269 607	10

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

Connection Cable with 2-way-adapter



Length	Item No.	PU
1000mm	F121 100 289 207	10
1600mm	F121 100 290 207	10
2000mm	F121100291207	10

Power Cord, 1.8 m (6')



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

8 Spring-loaded Front Bumper



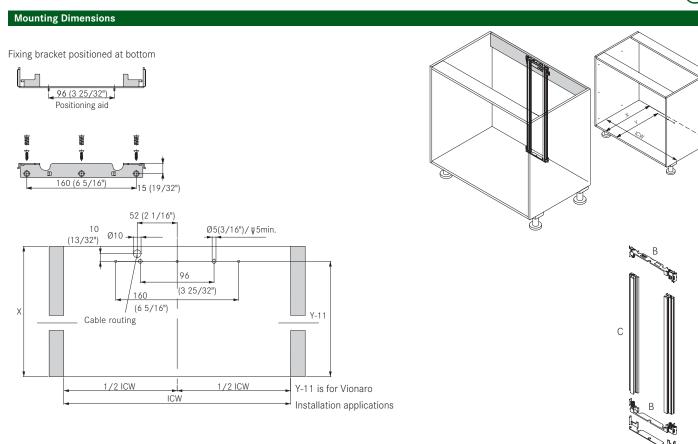
Ø 5mm	Item No.	PU
Front gap 2.2mm	F121100294223	100
Front gap 3mm	F121 100 295 223	100

Ø 8mm	Item No.	PU
Front gap 2.2mm	F121 100 297 223	100
Front gap 3mm	F121100298223	100

PU - Packaging unit



Re

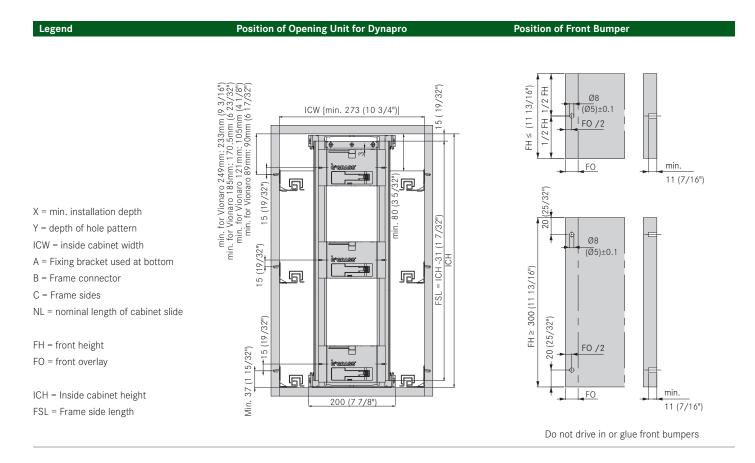


Υ

NL

Min ICW

273 (10 3/4")



Mounting dimensions Dynapro

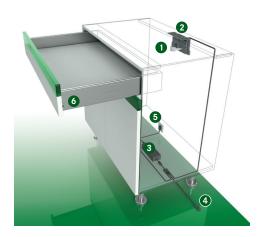
Wood back panel

X (inside)

NL + 15 (19/32")

Sensomatic for Vionaro/Dynapro

Single drawer with top mounting



Sensomatic is an electro-mechanical opening system that can be activated by a light touch.

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

1 Opening Unit



	Item No.	PU
For Dynapro	F121 100 268 607	10

PU - 10 Pieces, individually packaged

2 Frame for Top Assembly



	Item No.	PU
Height 120mm (4 23/32")	F121 100 272 207	10

3 Power Supply Unit



	Item No.	PU
Power supply unit	F121 100 269 607	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	F121 100 288 207	10
1000mm	F121 100 289 207	10
1600mm	F121 100 290 207	10
2000mm	F121100291207	10

5 Power Cord, 1.8 m (6')



Item No.	PU
69760-04	10

6 Spring-loaded Front Bumper



Ø 5mm	Item No.	PU
Front gap 2.2mm	F121 100 294 223	100
Front gap 3mm	F121 100 295 223	100

Ø 8mm	Item No.	PU
Front gap 2.2mm	F121100297223	100
Front gap 3mm	F121 100 298 223	100

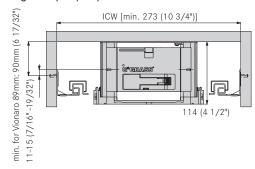
PU - Packaging unit

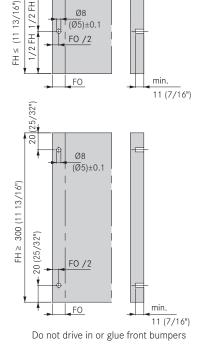


Mounting Dimensions Back wall cabling 96 (3 25/32") Positioning aid 5min. Ø10 52 (2 1/16") Cabinet base Ø5(3/16")/ ∓5min. 1 # # * * 32 (1 1/4") 60 (2 3/8") 96 (3 25/32") 160 (6 5/16") Frame for top mounting Y-11 160 (6 5/16") Y-11 is for Vionaro Installation applications 1/2 ICW 1/2 ICW ICW 96 (3 25/32") Height 120 (4 23/32") Positioning aid Min ICW **Mounting dimensions Dynapro** X (inside) Υ 114 (4 1/2") 273 (10 3/4") Wood back panel NL + 15 (19/32") NL

Legend Position of Opening Unit for Dynapro Position of Front Bumper

Height 120 (4 23/32")





X = min. installation depth

Y = depth of hole pattern

ICW = inside cabinet width

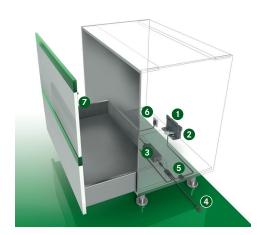
NL = nominal length of cabinet slide

FH = front height

FO = front overlay

Sensomatic for Vionaro/Dynapro

Waste bin cabinet with bottom panel frame mounting



Sensomatic is an electro-mechanical opening system that can be activated by a light touch.

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

1 Opening Unit



	Item No.	PU
For Dynapro	F121 100 268 607	10

PU - 10 Pieces, individually packaged

2 Base Frame



	Item No.	PU
for Dynapro	F121 100 271 207	10

3 Power Supply Unit



	Item No.	PU
Power supply unit	F121 100 269 607	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	F121 100 289 207	10
1600mm	F121 100 290 207	10
2000mm	F121100291207	10

5 4-way-adapter



Type of plug	Item No.	PU
4-way-adapter	F121 100 293 207	10

Power Cord, 1.8 m (6')



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

7 Spring-loaded Front Bumper



Ø 5mm	Item No.	PU
Front gap 2.2mm	F121 100 294 223	100
Front gap 3mm	F121 100 295 223	100

Ø 8mm	Item No.	PU
Front gap 2.2mm	F121 100 297 223	100
Front gap 3mm	F121100298223	100

Sensomatic Kit



Set includes:

Opening unit: 1 Power cord: 1

Base frame: 1 Front bumpers: 4

Power supply unit: 1 (F121100294223)

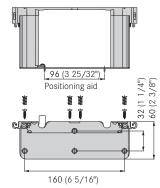
	Item No.	PU
For Dynapro	F121 100 697 201	1

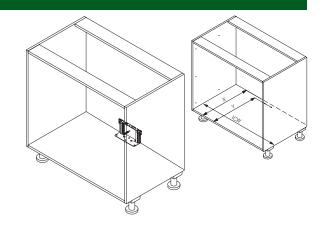
PU = 1 set

PU - Packaging unit

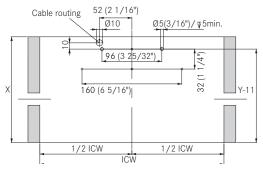


Mounting Dimensions





Base mounting

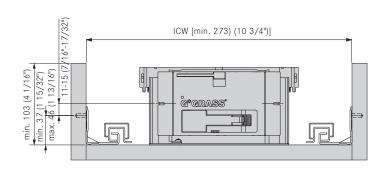


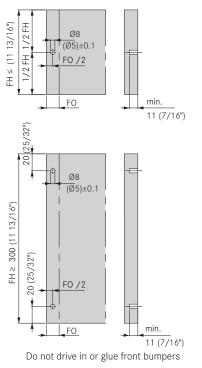
Y-11 is for Vionaro Installation applications



Mounting dimensions Dynapro	X (inside)	Υ	Min ICW
Wood back panel	NL + 15 (19/32")	NL	273 (10 3/4")

Legend Position of Opening Unit for Dynapro Position of Front Bumper





X = min. installation depth

Y = depth of hole pattern

ICW = inside cabinet width

NL = nominal length of cabinet slide

FH = front height

FO = front overlay

Accessories and Assembly Aids

Vionaro

Tecmator

- Pneumatic table-top device for Vionaro
- The ZMV-TP can be used to assemble drawers for external cabinet widths of up to 1200mm
- Easy and straightforward handling
- Sturdy construction
- For small series production
- Pneumatic control system
- High performance



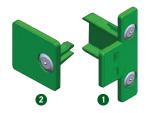
Note: Product lead time approximately 14 weeks

Marking Jig

For exact marking of the drilled holes for the Vionaro front adapter

1 set contains:

- 1 marking jig for front connector
- 2 1 marking jig for front stabilizer



Description	Item No.	PU
Marking jig	F146 100 545 513	1

F146116212299

Tecmator ZMV-TP2 1200

Drilling Jig

Front drilling jig for Vionaro front adapter



Description	Item No.	PU
Drilling jig	F146 100 562 201	1

Punching Tool for Vionaro Front Stabilizer



Description	Item No.	PU
Front stabilizer punching tool	F146 116 216 299	1

Punching Tool for Vionaro Bottom Spike



Description	Item No.	PU
Bottom spike punching tool	F146 116 217 299	1

Drill Bits for Aluminum Front Pull Outs



Description	Item No.	PU
Drill bit, 3mm, RH, for Vionaro	00156-01	1
Drill bit, 8mm, RH, for Vionaro	00158-01	1

PU - Packaging unit

Accessories and Assembly Aids



Dynapro

Drilling Template for Drawer

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



Description	Item No.	PU
Drilling template	F146 109 874 299	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
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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
20.0 20.01. 10.1111 (17 2) 1 021	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	300

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

Notes

Notes

G*GRASS®

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