



NOVA PRO



G*GRASS®

NOVA PRO DRAWER SYSTEM

The premier double-wall drawer system that offers innovative functionality, timeless design and maximum efficiency.





The tried and tested Nova Pro Drawer System offers outstanding quality, maximum design freedom and innovative functional solutions for modern cabinet construction.

Expect Excellence

The double-walled steel drawer system is engineered to exceed industry standards for weight capacity and longevity.



NOVA PRO DRAWER SYSTEM

Sophisticated. Intelligent. Advanced.
NOVA PRO. Engineered to the highest standards.

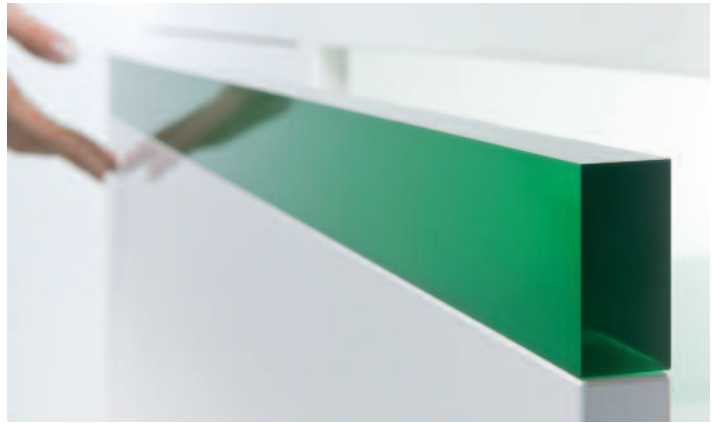
**Stylish design with a variety
of options**

From traditional to modern to every where in between Nova Pro offers finishes that enhance all kitchen designs. Sleek contoured sides are offered in a champagne finish and a metallic finish. The interior vertical walls are designed to drawers can be created with side rails.



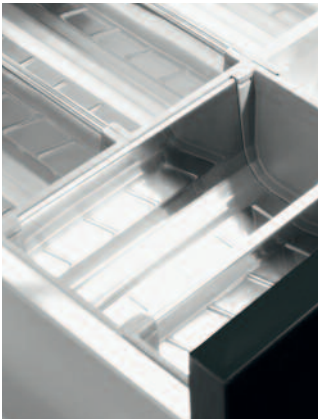
NOVA PRO DRAWER SYSTEM

Nova Pro offers maximum functionality, timeless design and outstanding aesthetic appeal. From the slide to the add-on rails to the electronic opening systems you can see why Nova Pro reigns supreme.



A place for everything and everything in its place.

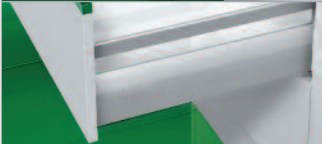
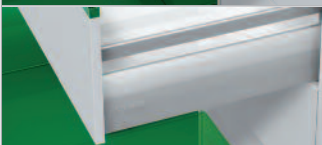
Whether it's food items, beverages, or kitchen utensils, everything can be stored away and instantly retrieved. With Nova Pro's divider systems and drawer organizers this task is easier than ever. And all Nova Pro organization is designed to your specifications.



Synchronization achieves smooth operation without a sound.

Synchronized full-extension drawer slides give a superb gliding action for today's Nova Pro. This mechanical synchronization of each individual slide ensures enhanced comfort and movement without annoying sounds or resistance. And the integrated Soft-close technology gently slows the closing action of the drawer and silently pulls it to the fully closed position.

Table of Content

	Description		Page
	Technical Information		6
	Standard Drawer P920 Series • 90 mm (3 1/2") • Soft-close		10
	Standard Drawer with Railings P920 Series • 90 mm (3 1/2") • Soft-close		12
	Interior Drawer P920 Series • 90 mm (3 1/2") • Soft-close		14
	Deep Drawer P930 Series • 122 mm (4 3/4") • Soft-close		18
	Deep Drawer with Railings P930 Series • 122 mm (4 3/4") • Soft-close		20

Nova Pro

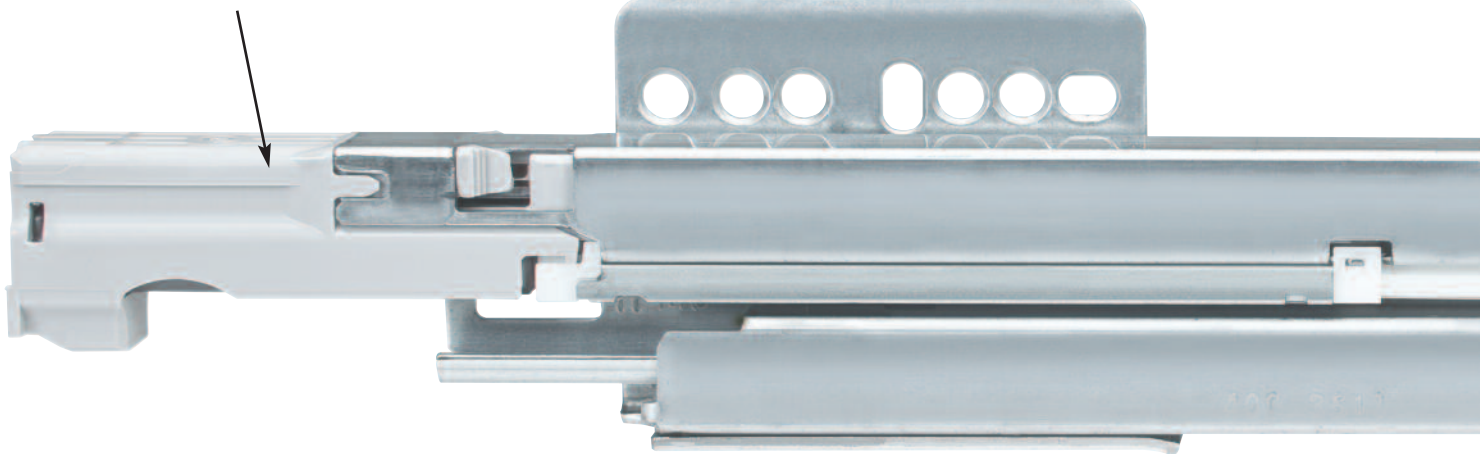
Features and Benefits

Features

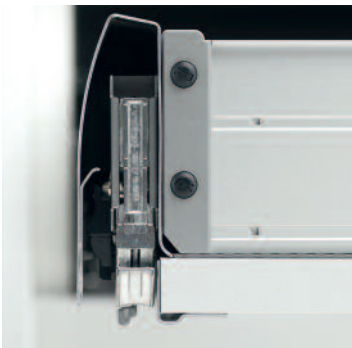


- Synchronized full-extension drawer slide
- Airmatic shock absorber system integrated into the cabinet member slows the momentum of the closing drawer
- 3-dimensional front adjustment for perfect alignment
- Telescoping cabinet profiles provide a smooth extension and reduced side play
- Drawer front can be installed or removed without the use of tools
- Width of the bottom and back panel is the same

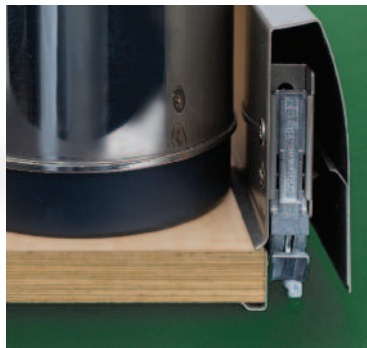
- Airmatic shock absorber system



Double wall sides guarantee optimum lateral stability, synchronized movement and a smooth quiet running action.

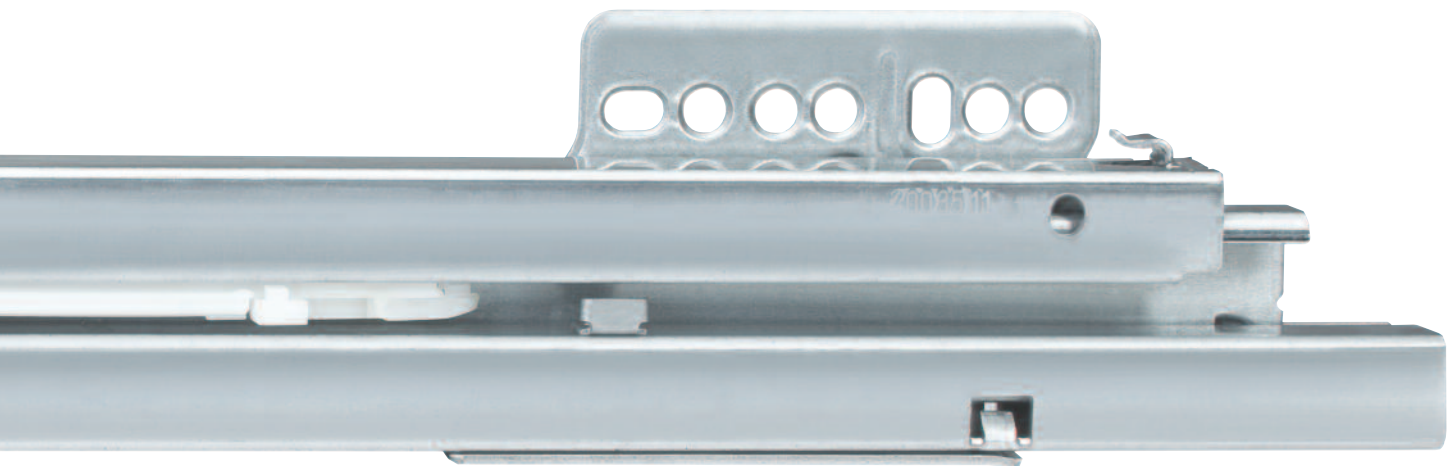


Flat interior side walls provide maximum storage.



Features

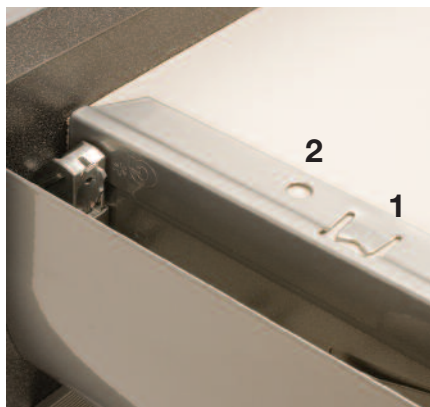
- Vertical interior walls designed for maximum storage
- Color choices of Champagne or Metallic
- Drawer side height of 90mm (3 1/2") and 122mm (4 3/4")
- High load carrying capacities of 84 lbs. and 154 lbs.
- Side and divider railings for personal organization
- Tilt angle adjustment integrated in drawer slide



Three innovative opening systems for handle free drawers, Sensotronic, Sensomatic and Tipmatic Plus



Installation & Removal



Drawer bottom can be secured in 2 ways:

- 1 By depressing barbed tabs with a manual punch.
- 2 With wood screws.

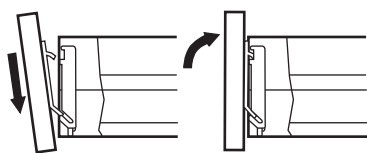


Front brackets are attached to the drawer front with screws or dowels. Position the drawer front in place, push down. Spring loaded catches secure the front to the drawer sides.



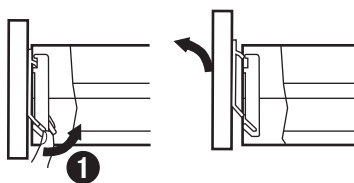
The Nova Pro drawers can be installed or removed with just one movement. No levers to press.

Drawer Front Assembly



Assembly

- 1 Angle the front panel with the installation hooks into the lower slanted slot.
(0-positioning with the installation hooks).
- 2 Tilt the front in and...
- 3 ...Press down.



Removing

- 1 Press the catch 1 and ...
- 2 ...Remove front panel.

Side Railing and Divider Railing



1. Side railing and divider railing installation and removal are tool-free



2. Side railings provide tilt adjustment - tool-free or with screwdriver.



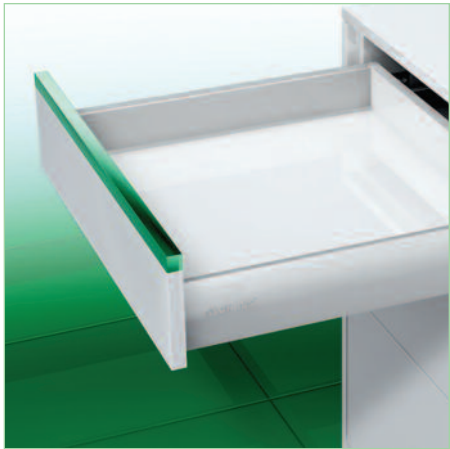
3. Dividers are moved by depressing the tabs on the end caps which index into holes underneath the side rails.

Adjustment

Height adjustment with eccentric screw	Side adjustment	Front tilt angle adjustment
- Height adjustment: slightly release screw 2 and move front to the desired height position using eccentric screw 3. Adjustment range $\pm 2\text{mm}$ - Tighten screw 2	- Side adjustment: slightly push clamping lever 1 towards the back, lift front slightly and move across serration, adjustment range $\pm 1.5\text{ mm}$ - Release clamping lever	New for drawer sides height 122 - Tilt adjustment is easily accessible on the inside of the drawer. Tilt angle adjustment is achieved by changing the position of the drawer.

Nova Pro Standard Drawer

P920 series - 90mm [3 1/2"] side height



The foundation drawer of the Nova Pro system.

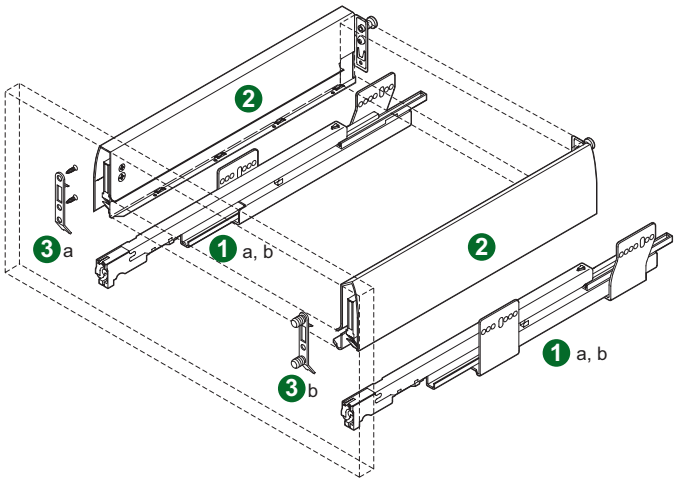
- Full extension for maximum access to drawer contents
- Available load capacities: 40kg [88 lbs.] and 70kg [154 lbs.] dynamic
- Exclusive Airmatic controlled closing
- Tool-free drawer front removal and installation
- Cam height adjustment and tool-free side adjustment of drawer front
- Available in high gloss Champagne or Metallic finish

How to specify hardware:

1. Select cabinet member set - options are length and load capacity
2. Select matching drawer member set - options are Champagne or Metallic finish
3. Select front brackets - options are screw-on or dowelled (for press-in installation)

Components

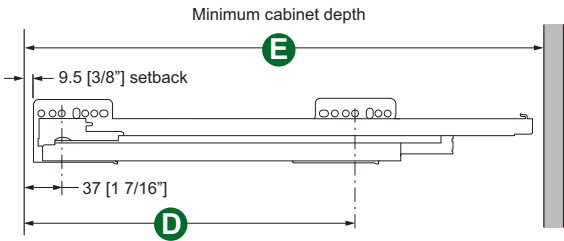
ID	Description	Length *	Reference No.	Item No.	PU
1a	Cabinet member set 40 kg. [88 lb.] dynamic capacity	270 [11"]	P904-270	63663-04	10
		350 [14"]	P904-350	63665-04	10
		400 [16"]	P904-400	63666-04	10
		450 [18"]	P904-450	63667-04	10
		500 [20"]	P904-500	63668-04	10
		550 [22"]	P904-550	63669-04	10
1b	Cabinet member set 70 kg. [154 lb.] dynamic capacity	450 [18"]	P907-450	63711-04	10
		500 [20"]	P907-500	63714-04	10
		550 [22"]	P907-550	63717-04	10
3a	Screw-on bracket	2 req'd. per drawer	7600-SCR-PB	21855-87	100
3b	Dowelled bracket		7600-DWL-PB	21854-87	100
			7600-DWL	21854-42	100



ID	Description	Length*	Metallic		PU
2	Drawer member set 90mm [3 1/2"]	270 [11"]	P920-270-R9006	65000-04	10
		350 [14"]	P920-350-R9006	65006-04	10
		400 [16"]	P920-400-R9006	65009-04	10
		450 [18"]	P920-450-R9006	65012-04	10
		500 [20"]	P920-500-R9006	65015-04	10
		550 [22"]	P920-550-R9006	65018-04	10
2a	U-cover cap (1)	All	7600-CAP-R9006	25821-41	50

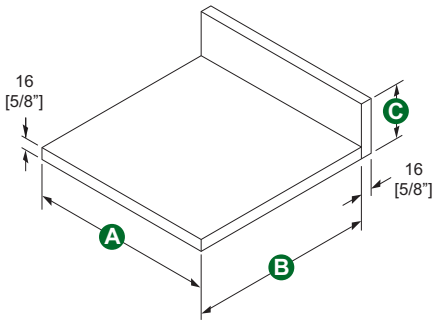
Champagne		PU
P920-270-G0028	68549-04	10
P920-350-G0028	68552-04	10
P920-400-G0028	68555-04	10
P920-450-G0028	68558-04	10
P920-500-G0028	68561-04	10
P920-550-G0028	68564-04	10

Drawer parts				
Qty.	Part	A - width	B - length	C - height
1	Bottom	Inside cabinet width - 58 [2 5/16"]	See chart	
1	Back	Inside cabinet width - 58 [2 5/16"]		84 [3 5/16"]



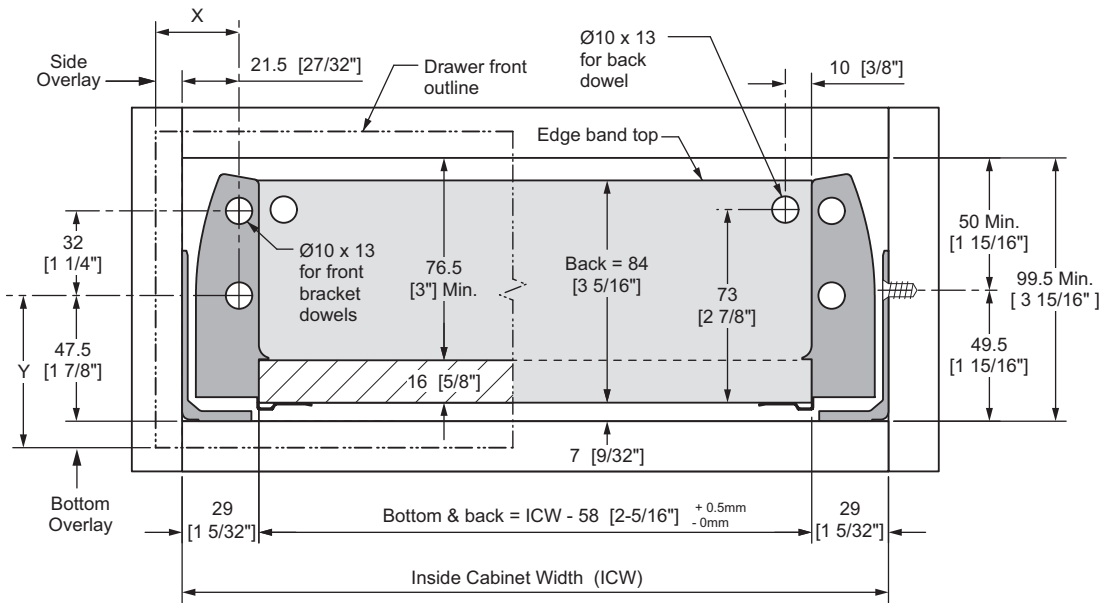
Attach with 13mm [1/2"] long Euro screws or #7 x 5/8" wood screw. Use 4 screws per side on 70kg [154 lb.] slides.

Drawer bottom length B	
Slide length	Bottom length
270 [11"]	251 [9 7/8"]
350 [14"]	331 [13 1/16"]
400 [16"]	381 [15"]
450 [18"]	431 [16 15/16"]
500 [20"]	481 [18 15/16"]
550 [22"]	531 [20 7/8"]



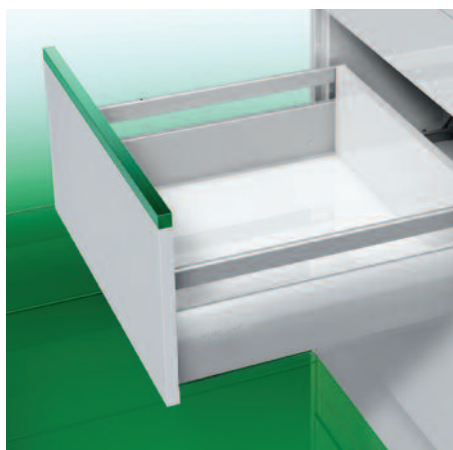
Slide Length	D	E
270 [11"]	197 [7 3/4"]	275 [10 13/16"]
350 [14"]	261 [10 1/4"]	355 [14"]
400 [16"]	261 [10 1/4"]	405 [15 15/16"]
450 [18"]	325 [12 13/16"]	455 [17 15/16"]
500 [20"]	325 [12 13/16"]	505 [19 7/8"]
550 [22"]	325 [12 13/16"]	555 [21 7/8"]

Assembly Details



Nova Pro Standard Drawer with Railings

P920 series - 90mm [3 1/2"] side height



Adding a railing kit to the Standard Drawer increases height and enables organization with Nova Pro divider railing kits.

- Full extension for maximum access to drawer contents
- Available load capacities: 40kg [88 lbs.] and 70kg [154 lbs.] dynamic
- Tool-free drawer front, rail and divider removal and installation
- Cam height adjustment and tool-free side adjustment of drawer front
- Railings provide tilt adjustment of the drawer front

How to specify hardware:

1. Select cabinet member set - options are length and load capacity
2. Select matching length drawer member set - options are Champagne or Metallic finish
3. Select front brackets - options are screw-on or dowelled (for press-in installation)
4. Select corresponding length railing set
5. Select divider set that is equal to or less than overall cabinet width

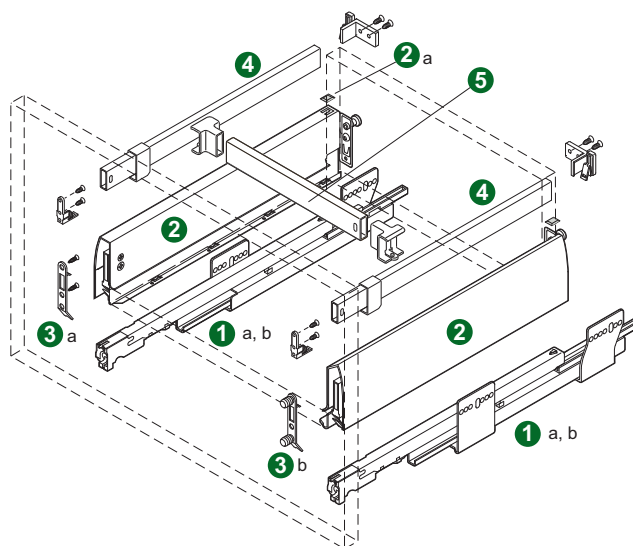
Components

ID	Description	Length*	Reference No.	Item No.	PU
1a	Cabinet member set 40 kg. [88 lb.] dynamic capacity	400 [16"]	P904-400	63666-04	10
		450 [18"]	P904-450	63667-04	10
		500 [20"]	P904-500	63668-04	10
		550 [22"]	P904-550	63669-04	10

1b	Cabinet member set 70 kg. [154 lb.] dynamic capacity	450 [18"]	P907-450	63711-04	10
		500 [20"]	P907-500	63714-04	10
		550 [22"]	P907-550	63717-04	10

3a	Screw-on bracket	2 req'd. per drawer	7600-SCR-PB	21855-87	100
3b	Dowelled bracket		7600-DWL-PB	21854-87	100
			7600-DWL	21854-42	100

ID	Description	Length*	Metallic		PU
2	Drawer member set 90mm [3 1/2"]	400 [16"]	P920-400-R9006	65009-04	10
		450 [18"]	P920-450-R9006	65012-04	10
		500 [20"]	P920-500-R9006	65015-04	10
		550 [22"]	P920-550-R9006	65018-04	10
2a	U-cover cap (1)	All	7600-CAP-R9006	25821-41	50
4	Side railing set with tilt adjustment	400 [16"]	7607-400-R9006	45860-04	10
		450 [18"]	7607-450-R9006	45861-04	10
		500 [20"]	7607-500-R9006	45862-04	10
		550 [22"]	7607-550-R9006	45863-04	10
5	Divider railing set Select by overall cabinet width	610 [24"]	7602-610-R9006	68814-04	10
		914 [36"]	7602-914-R9006	69151-04	10
		1200 [47"]	7602-1200-R9006	51661-04	10



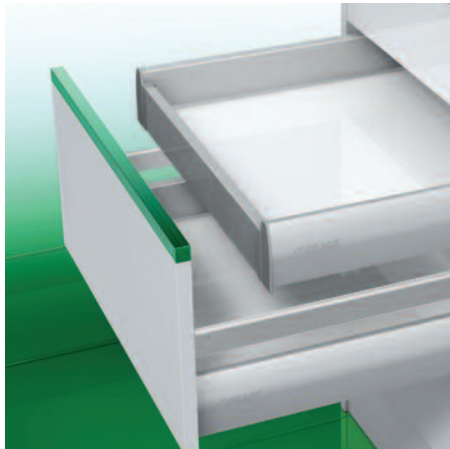
Champagne		PU
P920-400-G0028	68555-04	10
P920-450-G0028	68558-04	10
P920-500-G0028	68561-04	10
P920-550-G0028	68564-04	10

7607-400-G0028	68579-04	10
7607-450-G0028	68581-04	10
7607-500-G0028	68582-04	10
7607-550-G0028	68583-04	10

7602-610-G0028	68585-04	10
7602-914-G0028	68587-04	10
7602-1200-G0028	68590-04	10

Nova Pro Interior Drawer

P920 series - 90mm [3 1/2"] side height



Adding an aluminum front panel and coordinated brackets converts a Standard Drawer into an Interior Roll Out Drawer.

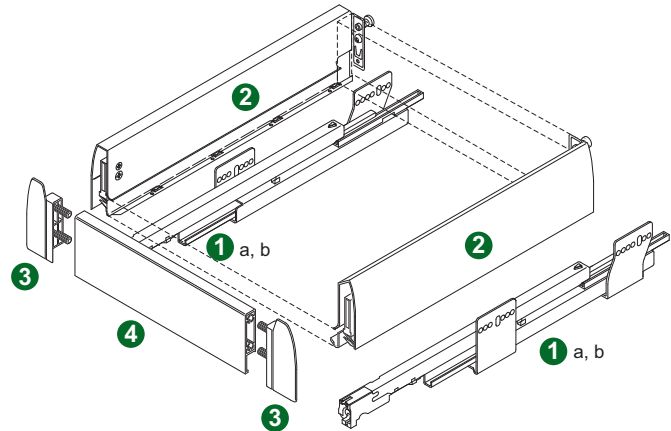
- Full extension for maximum access to drawer contents
- Available load capacities: 40kg [88 lbs.] and 70kg [154 lbs.] dynamic
- Exclusive Airmatic controlled closing
- Tool-free front removal and installation
- Available in high gloss Champagne or Metallic finish

How to specify hardware:

1. Select cabinet member set - options are length and load capacity
2. Select matching drawer member set - options are Champagne or Metallic finish
3. Select panel holder set
4. Select front panel that is equal to or less than overall cabinet width

Components

ID	Description	Length*	Reference No.	Item No.	PU
1a	Cabinet member set 40 kg. [88 lb.] dynamic capacity	270 [11"]	P904-270	63663-04	10
		350 [14"]	P904-350	63665-04	10
		400 [16"]	P904-400	63666-04	10
		450 [18"]	P904-450	63667-04	10
		500 [20"]	P904-500	63668-04	10
		550 [22"]	P904-550	63669-04	10
1b	Cabinet member set 70 kg. [154 lb.] dynamic capacity	450 [18"]	P907-450	63711-04	10
		500 [20"]	P907-500	63714-04	10
		550 [22"]	P907-550	63717-04	10

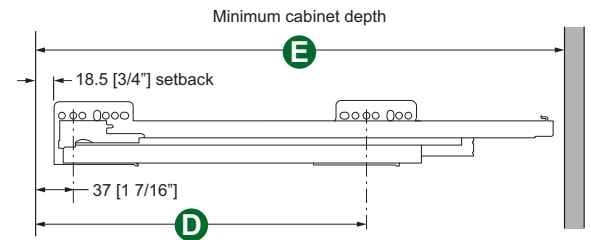


ID	Description	Length*	Metallic	PU
2	Drawer member set 90mm [3 1/2"]	270 [11"]	P920-270-R9006	65000-04
		350 [14"]	P920-350-R9006	65006-04
		400 [16"]	P920-400-R9006	65009-04
		450 [18"]	P920-450-R9006	65012-04
		500 [20"]	P920-500-R9006	65015-04
		550 [22"]	P920-550-R9006	65018-04
2a	U-cover cap (1)	All	7600-CAP-R9006	25821-41
3	Panel holder set	All	P620-R7016	66500-03
7	Front panel Select by overall cabinet width	610 [24"]	7620-610-R9006	68813-03
		914 [36"]	7620-914-R9006	69153-03
		1200 [47"]	7620-1200-R9006	51147-03

Champagne	PU
P920-270-G0028	68549-04
P920-350-G0028	68552-04
P920-400-G0028	68555-04
P920-450-G0028	68558-04
P920-500-G0028	68561-04
P920-550-G0028	68564-04
P620-R7006	68591-03
7620-610-G0028	68614-03
7620-914-G0028	68616-03
7620-1200-G0028	68618-03

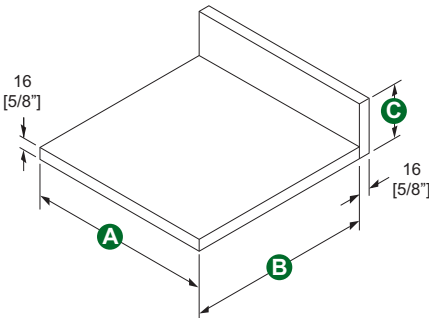
Drawer parts				
Qty.	Part	A - width(*)	B - length	C - height
1	Bottom	Inside cabinet width - 58 [2 5/16"]	See chart	
1	Back	Inside cabinet width - 58 [2 5/16"]		84 [3 5/16"]
1	Front	Inside cabinet width - 85 [3 3/8"]		Fixed

(*) If drawer member spacers are used, deduct their thickness from the inside cabinet width.



Attach with 13mm [1/2"] long Euro screws or #7 x 5/8" wood screw. Use 4 screws per side on 70kg [154 lb.] slides.

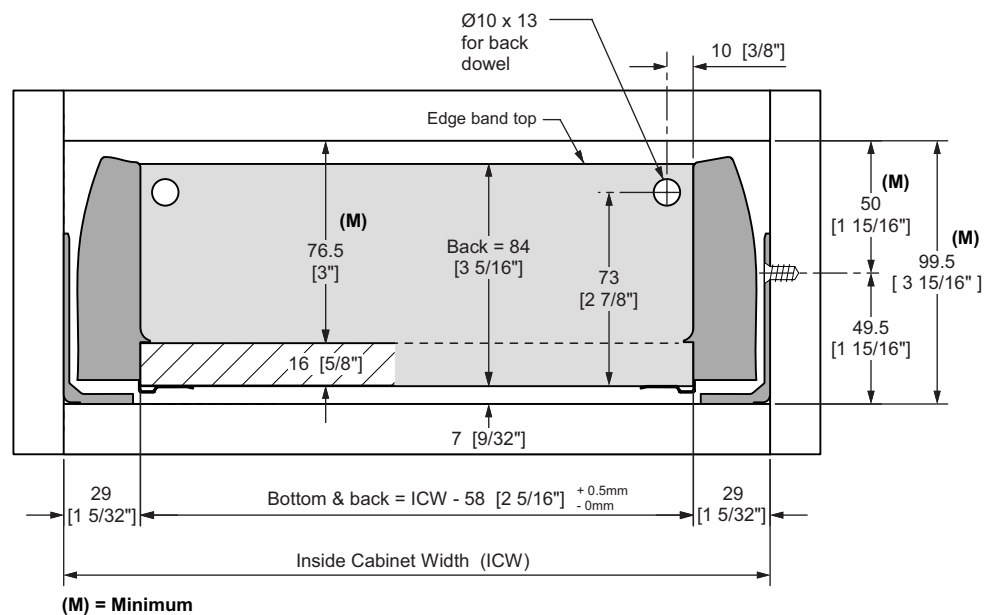
Drawer bottom length B	
Slide length	Bottom length
270 [11"]	251 [9 7/8"]
350 [14"]	331 [13 1/16"]
400 [16"]	381 [15"]
450 [18"]	431 [16 15/16"]
500 [20"]	481 [18 15/16"]
550 [22"]	531 [20 7/8"]



(1) If drawer member spacers are used, deduct their thickness from the inside cabinet width

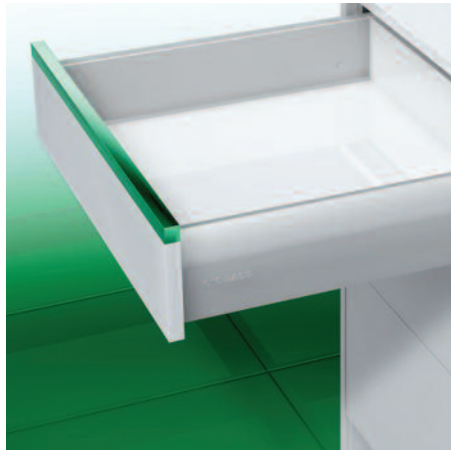
Slide Length	D	E
270 [11"]	197 [7 3/4"]	284 [11 3/16"]
350 [14"]	261 [10 1/4"]	364 [14 5/16"]
400 [16"]	261 [10 1/4"]	414 [16 5/16"]
450 [18"]	325 [12 13/16"]	464 [18 1/4"]
500 [20"]	325 [12 13/16"]	514 [20 1/4"]
550 [22"]	325 [12 13/16"]	564 [22 3/16"]

Assembly Details



Nova Pro Deep Drawer

P930 series - 122mm [4 ¾"] side height



The Deep Drawer is 32mm [1 1/4"] taller than the Standard Drawer adding more storage capacity.

- Full extension for maximum access to drawer contents
- Available load capacities: 40kg [88 lbs.] and 70kg [154 lbs.] dynamic
- Exclusive Airmatic controlled closing
- Tool-free drawer front removal and installation
- Cam height adjustment and tool-free side adjustment of drawer front
- Exclusive cam tilt adjustment for drawer front
- Available in high gloss Champagne or Metallic finish

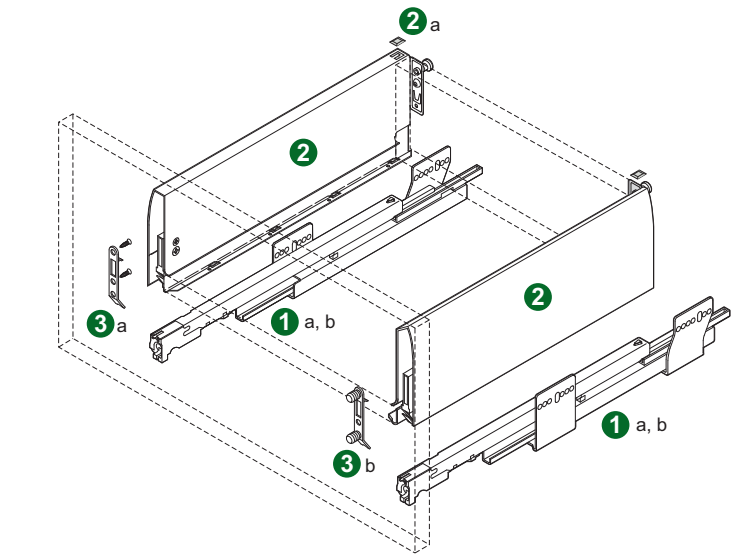
How to specify hardware:

1. Select cabinet member set - options are length and load capacity
2. Select matching drawer member set - options are Champagne or Metallic finish
3. Select front brackets - options are screw-on or dowelled (for press-in installation)

Components

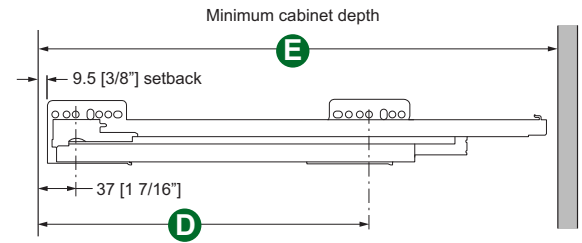
ID	Description	Length*	Reference No.	Item No.	PU
1a	Cabinet member set 40 kg. [88 lb.] dynamic capacity	400 [16"]	P904-400	63666-04	10
		450 [18"]	P904-450	63667-04	10
		500 [20"]	P904-500	63668-04	10
		550 [22"]	P904-550	63669-04	10
1b	Cabinet member set 70 kg. [154 lb.] dynamic capacity	450 [18"]	P907-450	63711-04	10
		500 [20"]	P907-500	63714-04	10
		550 [22"]	P907-550	63717-04	10
3a	Screw-on bracket	2 req'd. per drawer	7600-SCR-PB	21855-87	100
3b	Dowelled bracket		7600-DWL-PB	21854-87	100
			7600-DWL	21854-42	100

ID	Description	Length*	Metallic	PU
2	Drawer member set 122mm [4 3/4"]	400 [16"]	P930-400-R9006	65156-04
		450 [18"]	P930-450-R9006	65159-04
		500 [20"]	P930-500-R9006	65162-04
		550 [22"]	P930-550-R9006	65165-04
2a	U-cover cap (1)	All	7600-CAP-R9006	25821-41



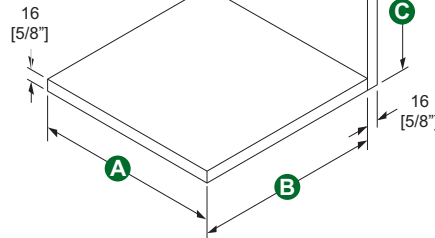
Champagne	PU
P930-400-G0028	68567-04
P930-450-G0028	68570-04
P930-500-G0028	68573-04
P930-550-G0028	68576-04

Drawer parts				
Qty.	Part	A - width	B - length	C - height
1	Bottom	Inside cabinet width - 58 [2 5/16"]	See chart	
1	Back	Inside cabinet width - 58 [2 5/16"]		116 [4 9/16"]



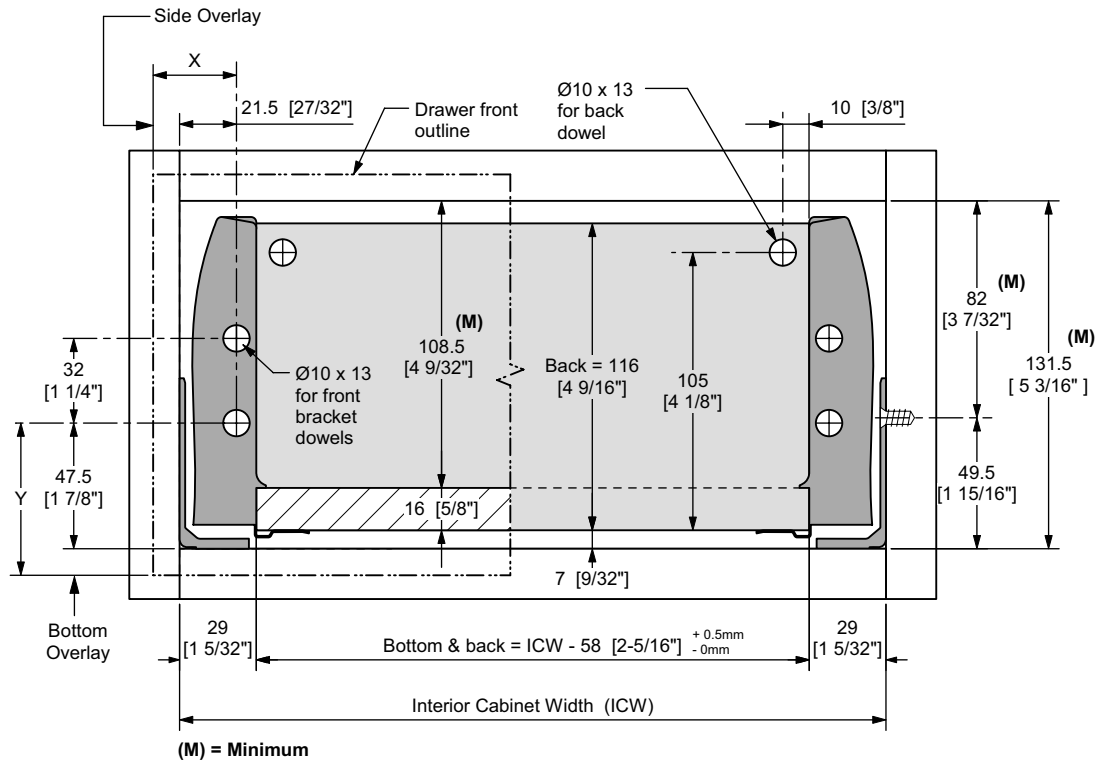
Attach with 13mm [½"] long Euro screws or #7 x ¾" wood screw. Use 4 screws per side on 70kg [154 lb.] slides.

Drawer bottom length B	
Slide length	Bottom length
400 [16"]	381 [15"]
450 [18"]	431 [16 15/16"]
500 [20"]	481 [18 15/16"]
550 [22"]	531 [20 7/8"]



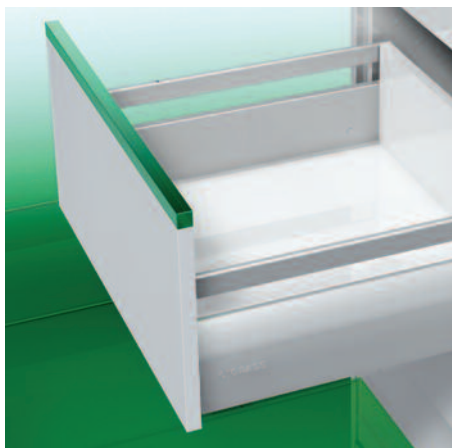
Slide Length	D	E
400 [16"]	261 [10 1/4"]	405 [15 15/16"]
450 [18"]	325 [12 13/16"]	455 [17 15/16"]
500 [20"]	325 [12 13/16"]	505 [19 7/8"]
550 [22"]	325 [12 13/16"]	555 [21 7/8"]

Assembly Details



Nova Pro Deep Drawer with Railings

P930 series - 122mm [4 ¾"] side height



Adding a railing kit to the Deep Drawer provides more storage area and enables organization with Nova Pro divider railing kits.

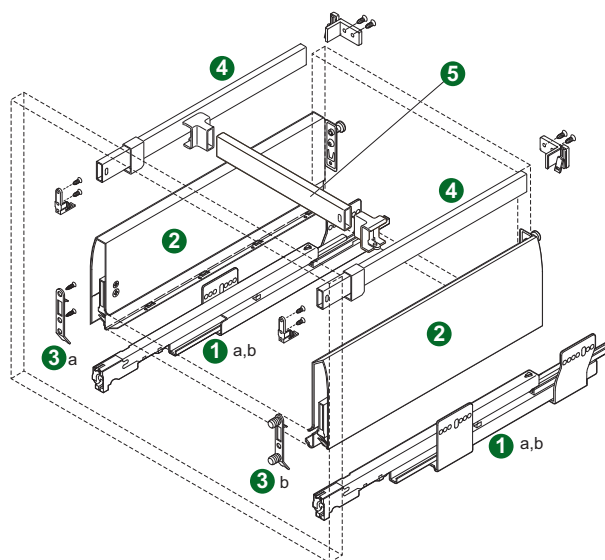
- Full extension for maximum access to drawer contents
- Available load capacities: 40kg [88 lbs.] and 70kg [154 lbs.] dynamic
- Tool-free railing, divider and drawer front removal and installation
- Cam height adjustment and tool-free side adjustment of drawer front
- Exclusive cam tilt adjustment for drawer front
- Railings provide drawer front tilt adjustment as well

How to specify hardware:

1. Select cabinet member set - options are length and load capacity
2. Select matching drawer member set - options are Champagne or Metallic finish
3. Select front brackets - options are screw-on or dowelled (for press-in installation)
4. Select corresponding length railing set
5. Select divider set that is equal to or less than overall cabinet width

Components

ID	Description	Length *	Reference No.	Item No.	PU
1a	Cabinet member set 40 kg. [88 lb.] dynamic capacity	400 [16"]	P904-400	63666-04	10
		450 [18"]	P904-450	63667-04	10
		500 [20"]	P904-500	63668-04	10
		550 [22"]	P904-550	63669-04	10
1b	Cabinet member set 70 kg. [154 lb.] dynamic capacity	450 [18"]	P907-450	63711-04	10
		500 [20"]	P907-500	63714-04	10
		550 [22"]	P907-550	63717-04	10
3a	Screw-on bracket	2 req'd. per drawer	7600-SCR-PB	21855-87	100
3b	Dowelled bracket		7600-DWL-PB	21854-87	100
			7600-DWL	21854-42	100



ID	Description	Length*	Metallic		PU
2	Drawer member set 122mm [4 ¾"]	400 [16"]	P930-400-R9006	65156-04	10
		450 [18"]	P930-450-R9006	65159-04	10
		500 [20"]	P930-500-R9006	65162-04	10
		550 [22"]	P930-550-R9006	65165-04	10
2a	U-cover cap (1)	All	7600-CAP-R9006	25821-41	50
4	Side railing set with tilt adjustment	400 [16"]	7607-400-R9006	45860-04	10
		450 [18"]	7607-450-R9006	45861-04	10
		500 [20"]	7607-500-R9006	45862-04	10
		550 [22"]	7607-550-R9006	45863-04	10
5	Divider railing set Select by overall cabinet width	610 [24"]	7602-610-R9006	68814-04	5
		914 [36"]	7602-914-R9006	69151-04	5
		1200 [47"]	7602-1200-R9006	51661-04	5

Champagne		PU
P930-400-G0028	68567-04	10
P930-450-G0028	68570-04	10
P930-500-G0028	68573-04	10
P930-550-G0028	68576-04	10
7607-400-G0028	68579-04	10
7607-450-G0028	68581-04	10
7607-500-G0028	68582-04	10
7607-550-G0028	68583-04	10
7602-610-G0028	68585-04	10
7602-914-G0028	68587-04	10
7602-1200-G0028	68590-04	10

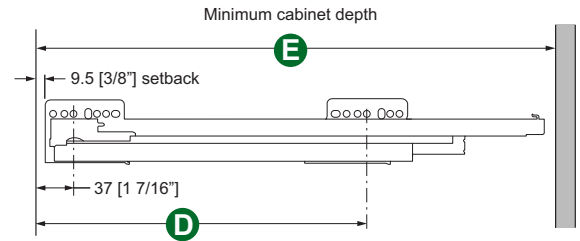
*Inch equivalent length is nominal

(1) Applicable to metallic drawer members only

PB = (20) Brackets per polybag

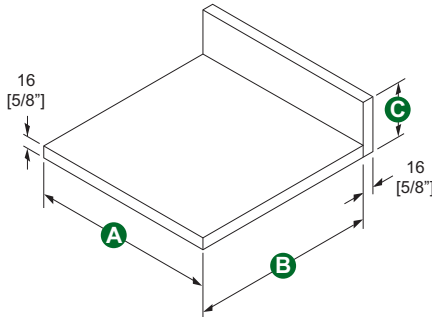
PU = Packing Unit

Drawer parts				
Qty.	Part	A - width	B - length	C - height
1	Bottom	Inside cabinet width - 58 [2 5/16"]	See chart	
1	Back	Inside cabinet width - 58 [2 5/16"]		181 [7 1/8"]



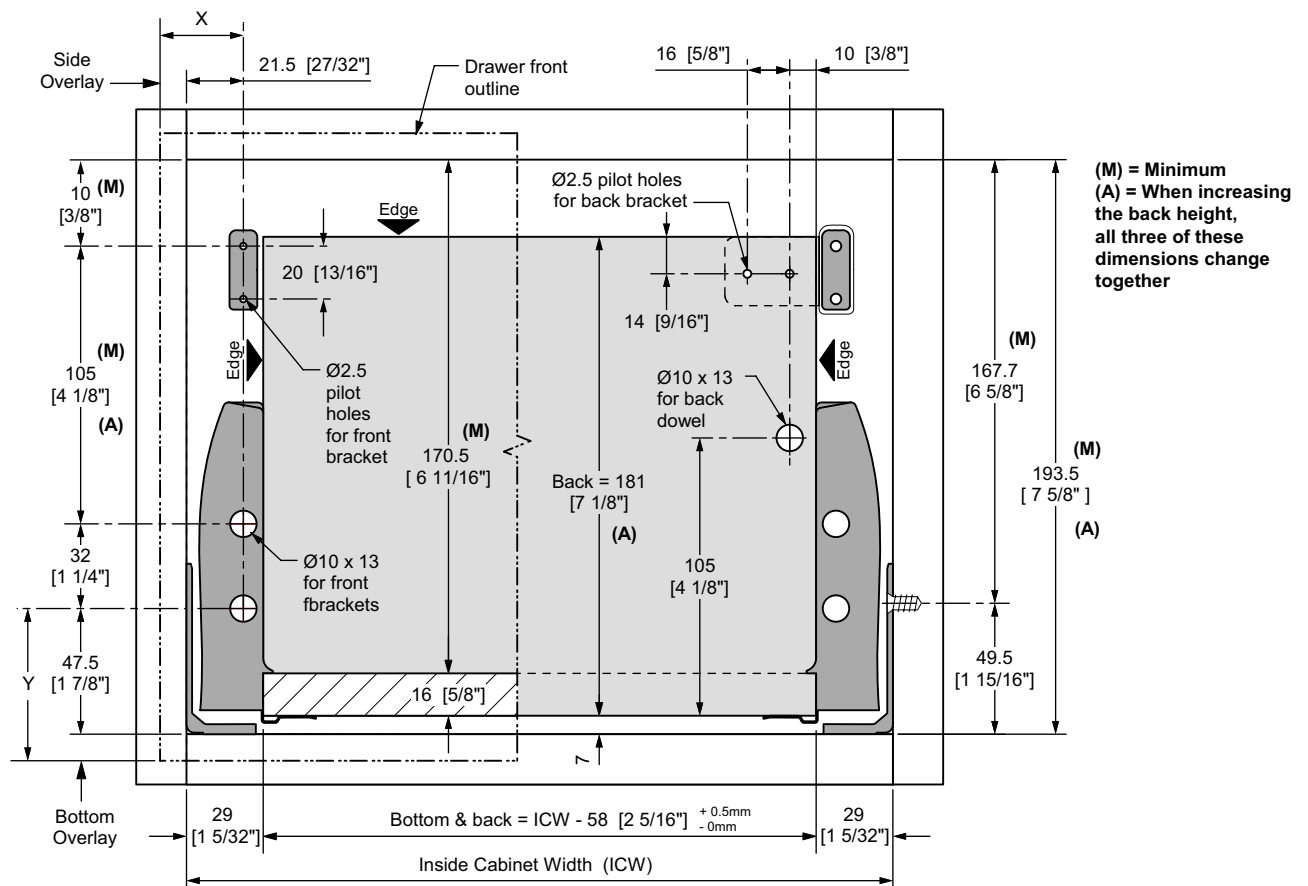
Attach with 13mm [½"] long Euro screws or #7 x ⅝" wood screw. Use 4 screws per side on 70kg [154 lb.] slides.

Drawer bottom length B	
Slide length	Bottom length
400 [16"]	381 [15"]
450 [18"]	431 [16 15/16"]
500 [20"]	481 [18 15/16"]
550 [22"]	531 [20 7/8"]



Slide Length	D	E
400 [16"]	261 [10 1/4"]	405 [15 15/16"]
450 [18"]	325 [12 13/16"]	455 [17 15/16"]
500 [20"]	325 [12 13/16"]	505 [19 7/8"]
550 [22"]	325 [12 13/16"]	555 [21 7/8"]

Assembly Details





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

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

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

www.grassusa.com

Grass Canada Inc.
475 Finchdene Square, Unit 9
Toronto, ON M1X 1B7

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

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