



SENSOMATIC



G* GRASS®

SENSOMATIC DRAWER SYSTEM

Electronically assisted opening system





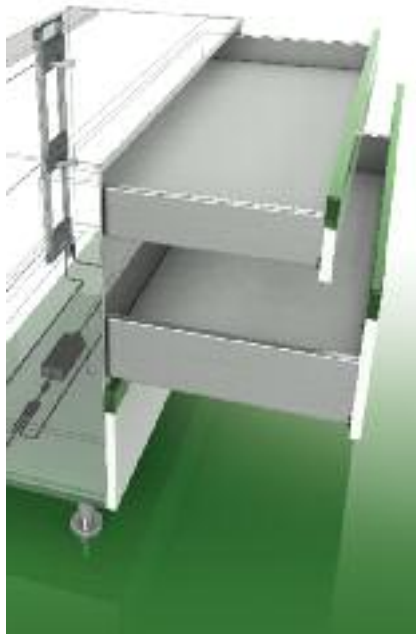
Sensomatic combines handle-free opening with the ever popular Soft-closing action -

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

The Sensomatic works in conjunction with Grass drawer systems, Nova Pro, DWD XP, and Dynapro. A very simple installation process creates a superior drawer system - It's something worth talking about.



Comfort with a fascinating twist:
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 front of the drawer 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 - and you have options of which drawer system you prefer to use - Nova Pro, DWD XP and Dynapro. 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 - Versatile. Efficient. Exciting.

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	<p>Standard cabinet with horizontal wooden stretcher</p> <p>Nova Pro construction</p> <p>DWD XP construction</p> <p>Dynapro construction</p> <p>Assembly</p>	<p>6</p> <p>8</p> <p>10</p> <p>12</p> <p>14</p>
	<p>Standard cabinet with vertical wooden stretcher</p> <p>Nova Pro construction</p> <p>DWD XP construction</p> <p>Dynapro construction</p> <p>Assembly</p>	<p>16</p> <p>18</p> <p>20</p> <p>22</p> <p>24</p>
	<p>Single drawer with top mounting</p> <p>Nova Pro construction</p> <p>DWD XP construction</p> <p>Dynapro construction</p> <p>Assembly</p>	<p>26</p> <p>28</p> <p>30</p> <p>32</p> <p>34</p>
	<p>Single drawer with back panel mounting</p> <p>Nova Pro construction</p> <p>DWD XP construction</p> <p>Dynapro construction</p> <p>Assembly</p>	<p>36</p> <p>38</p> <p>40</p> <p>42</p> <p>44</p>
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General information

Electrical outlet required.

Disconnect the power before installing or removing the system.

For cabinet widths of 1200 mm [47 1/4"] and over Grass recommends the use of 2 opening units. These can be activated simultaneously with the use of the synchronization cable.

Important: do not insert screws in the area of the opening lever.

With each power supply unit it is possible to operate 30 opening units.

Measurements must be calculated in millimeters for correct installation.

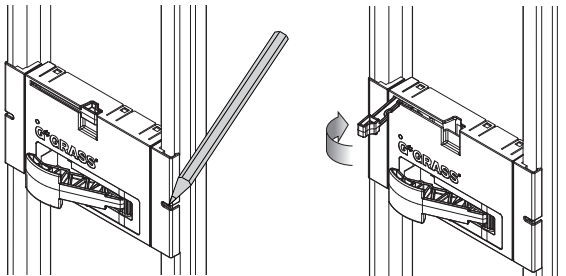
If Sensomatic is used in conjunction with other slide systems, a trial mounting is recommended. Sensomatic is not warranted with use of other systems.

Technical Data

Area of application	Drawer systems	Nova Pro, DWD XP, Dynapro
	Area of application	only in dry, closed rooms
Power supply unit	Power supply	110 V
	Power frequency	50 to 60 Hz
	Max. power output	230 W
Opening Unit	Supply voltage	24 V
Operating conditions	Temperature	32° to 120° F
	Humidity	15% to 90% non-condensing

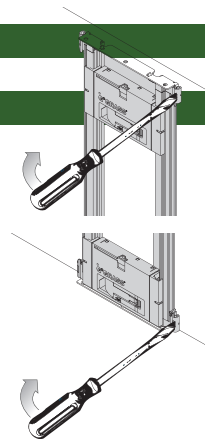
Removing opening unit

1. Disconnect the power before installing or removing the system.



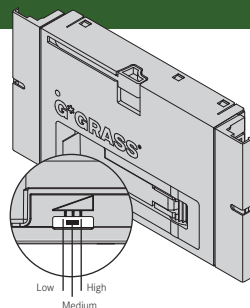
Removing frame sides

1. Insert screwdriver into notches and turn counter clockwise.
2. Remove frame sides.



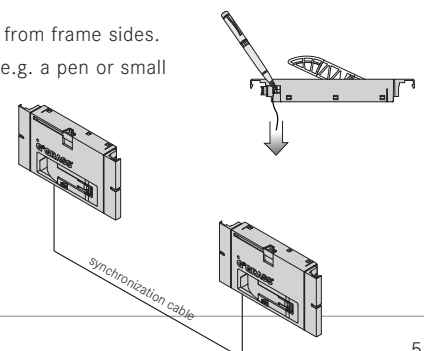
Adjustment

1. The cabinet must be aligned horizontally.



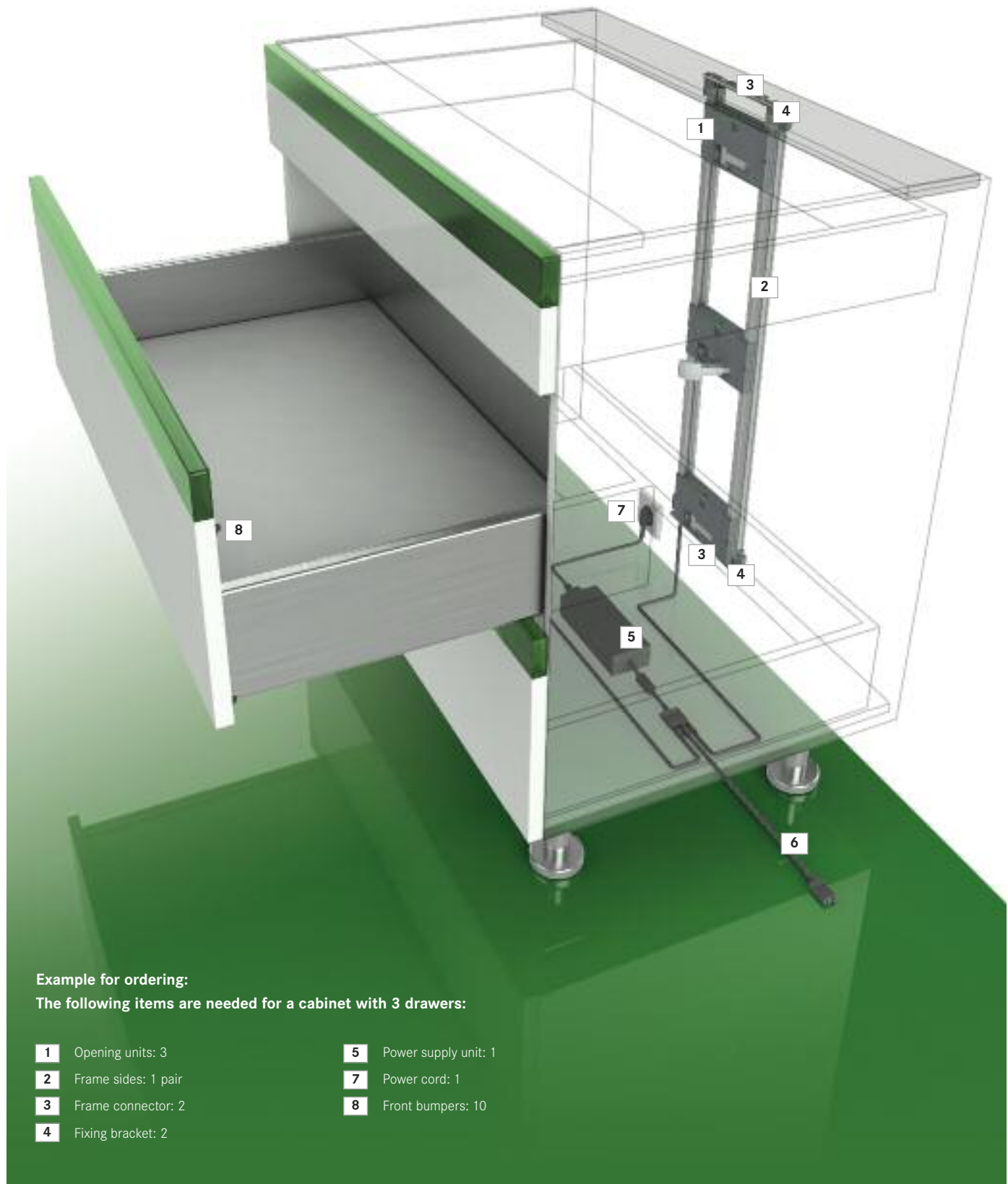
Removing synchronization cable

1. Remove opening units from frame sides.
2. Use a pointed object (e.g. a pen or small screw driver) to push in white spring and take out cable.



Sensomatic

Standard cabinet with horizontal wooden stretcher



1 Opening unit



	Item No.
for Nova Pro and Dynapro	F121100268607
for DWD XP	F121100409607
	PU 10

PU 10 = 10 pieces, individually packaged

2 Frame sides, including frame side cable



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

PU 10 = 10 pairs

3 Frame connector



	Item No.
Frame connector	F121100282211
	PU 20

PU 20 = 20 pieces

4 Fixing bracket



	Item No.
Fixing bracket	F121100270211
	PU 20

PU 20 = 20 pieces

5 Power supply unit



	Item No.
Power supply unit	F121100269607
	PU 10

PU 10 = 10 pieces, individually packaged

6 Connection cable with 2-way-adaptor



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

PU 10 = 10 pieces

7 Power cord, 1,8 m [6']



Type of plug	Item No.
Power cord (USA, CA)	69760-04
without plug	69767-04
	PU 10

PU 10 = 10 pieces

8 Spring-loaded front bumper



Ø 5 mm	Item No.
Front gap 2.2 mm*	F121100294223
Front gap 3 mm	F121100295223
Front gap 4 mm	F121100296223
Ø 8 mm	Item No.
Front gap 2.2 mm*	F121100297223
Front gap 3 mm	F121100298223
Front gap 4 mm	F121100299223
	PU 100

PU 100 = 100 pieces, *for Nova Pro and Dynapro

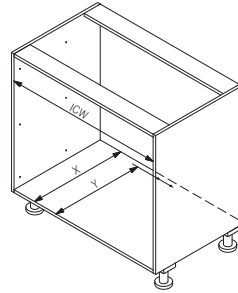
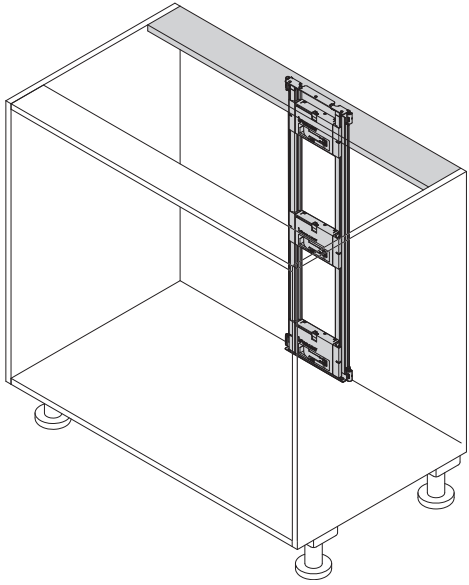
PU = Packing unit

Subject to technical modifications without notice.

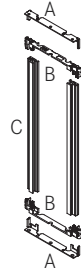
Standard cabinet with horizontal wooden stretcher

Nova Pro drawer system

Overview



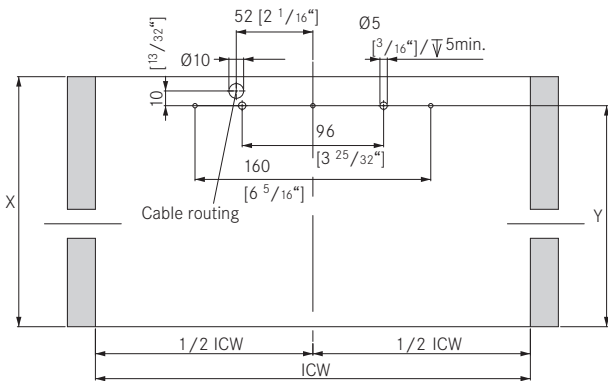
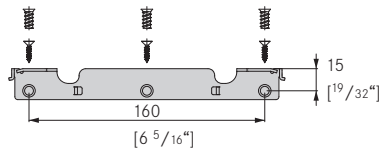
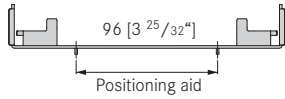
X = min. installation depth
 Y = depth of hole pattern
 ICW = inside cabinet width



A = Fixing brackets used at top and bottom
 B = Frame connector
 C = Frame sides

Mounting dimensions

Fixing brackets positioned at top and bottom



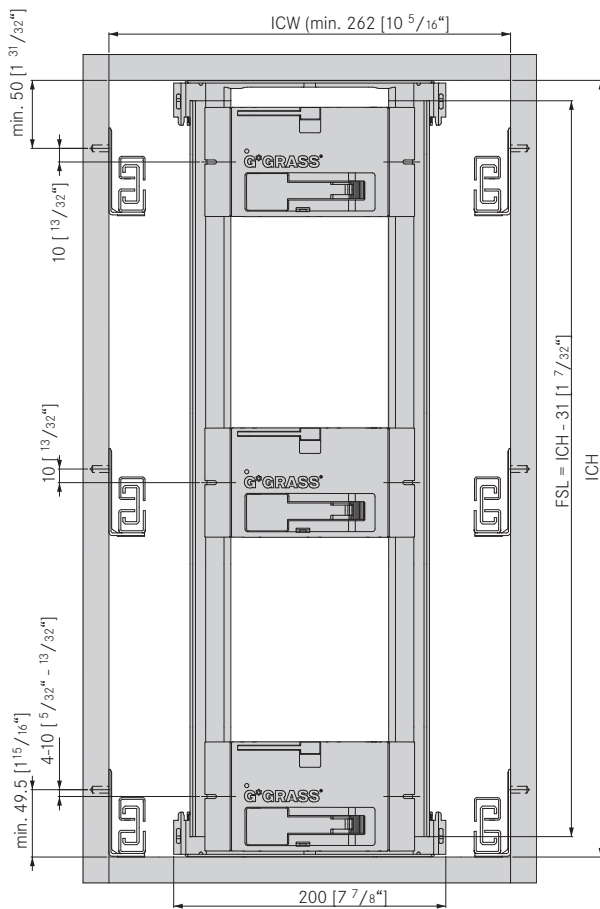
Mounting dimensions Nova Pro

	X	Y
Steel back panel	NL + 18 [²³ / ₃₂ "]	NL + 3 [¹ / ₈ "]
Wood back panel	NL + 20 (+1) [²⁵ / ₃₂ "] (+ ¹ / ₃₂ ")	NL + 5 (+1) [³ / ₁₆ "] (+ ¹ / ₃₂ ")

NL = nominal length of cabinet slide

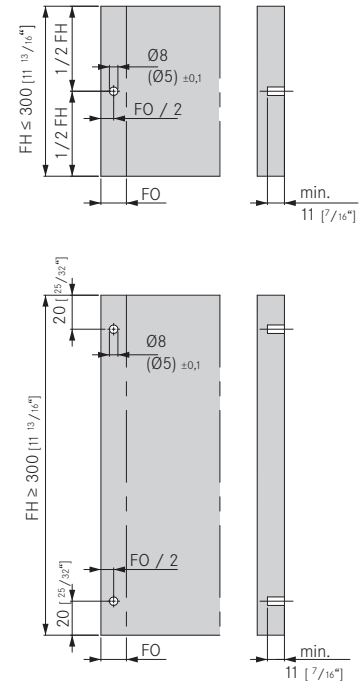
Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for Nova Pro



ICH = Inside cabinet height
 FSL = Frame side length
 ICW = Inside cabinet width

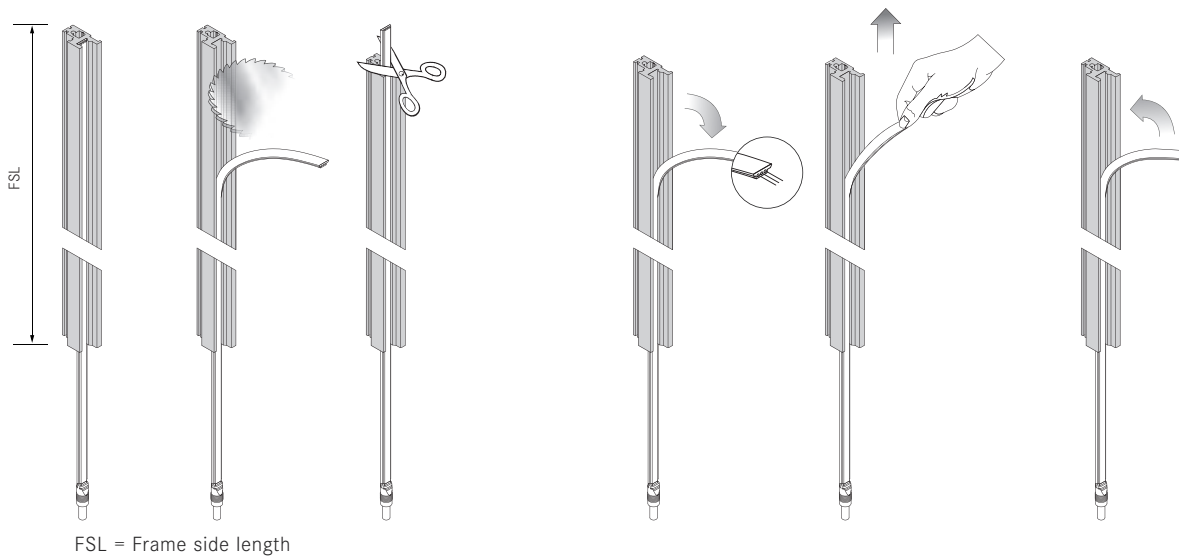
Position of front bumper



When mounting the heavy-duty slide (154 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
 FO = front overlay

Cutting frame side



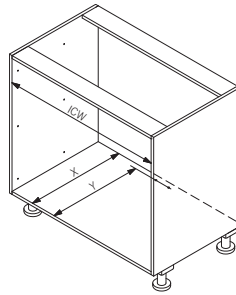
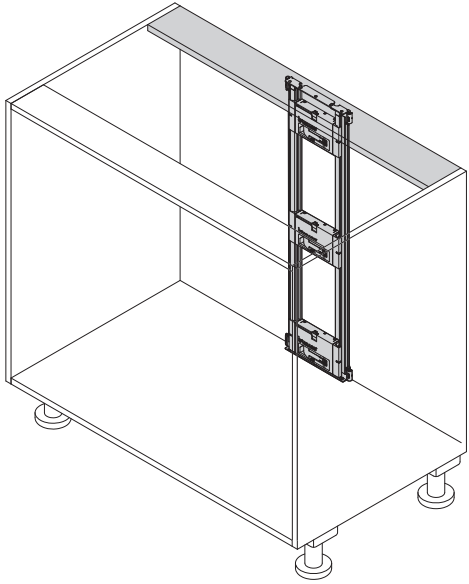
FSL = Frame side length

Subject to technical modifications without notice.

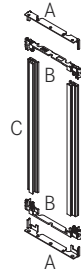
Standard cabinet with horizontal wooden stretcher

DWD XP drawer system

Overview



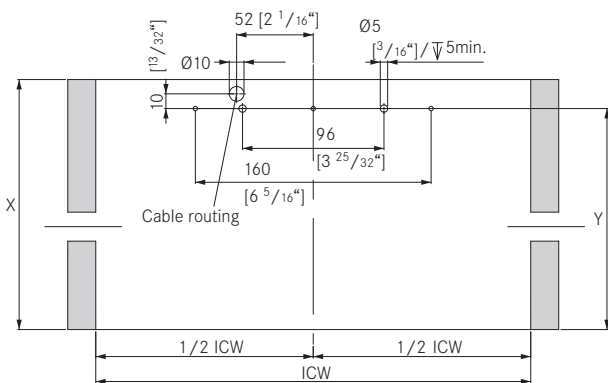
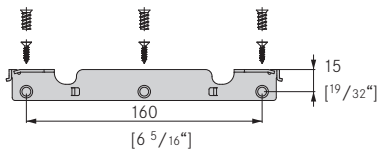
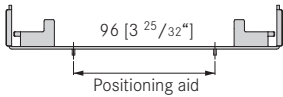
X = min. installation depth
Y = depth of hole pattern
ICW = inside cabinet width



A = Fixing brackets used at top and bottom
B = Frame connector
C = Frame sides

Mounting dimensions

Fixing brackets positioned at top and bottom



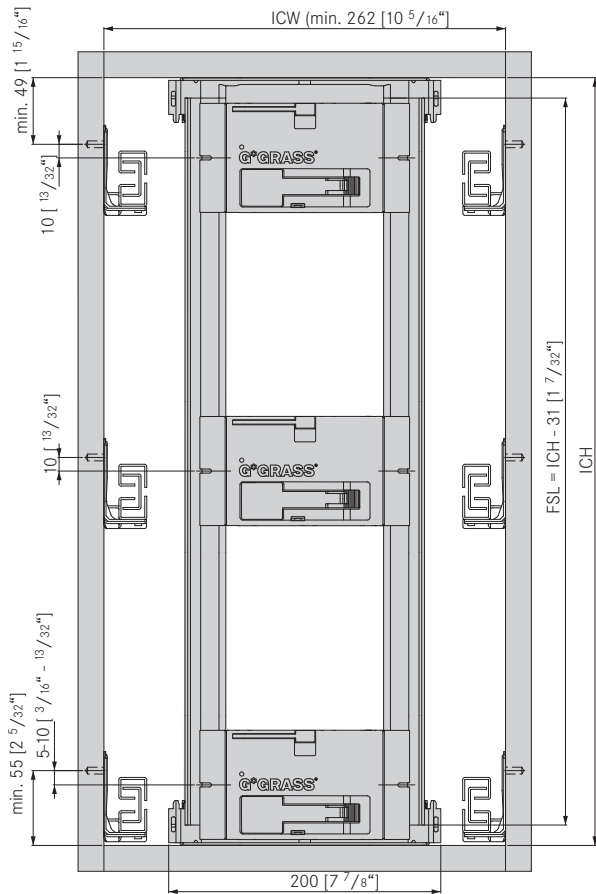
Mounting dimensions DWD XP

	X	Y
Steel back panel	NL + 13 [$\frac{1}{2}$ "]	NL - 2 [$\frac{1}{2}$ "]
Wood back panel	NL + 15 [$\frac{19}{32}$ "]	NL

NL = nominal length of cabinet slide

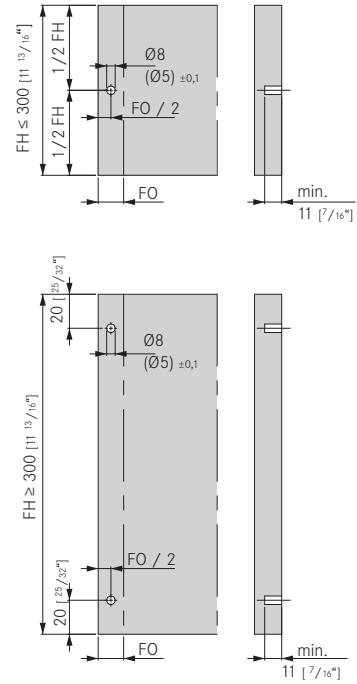
Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for DWD XP



ICH = Inside cabinet height
 FSL = Frame side length
 ICW = Inside cabinet width

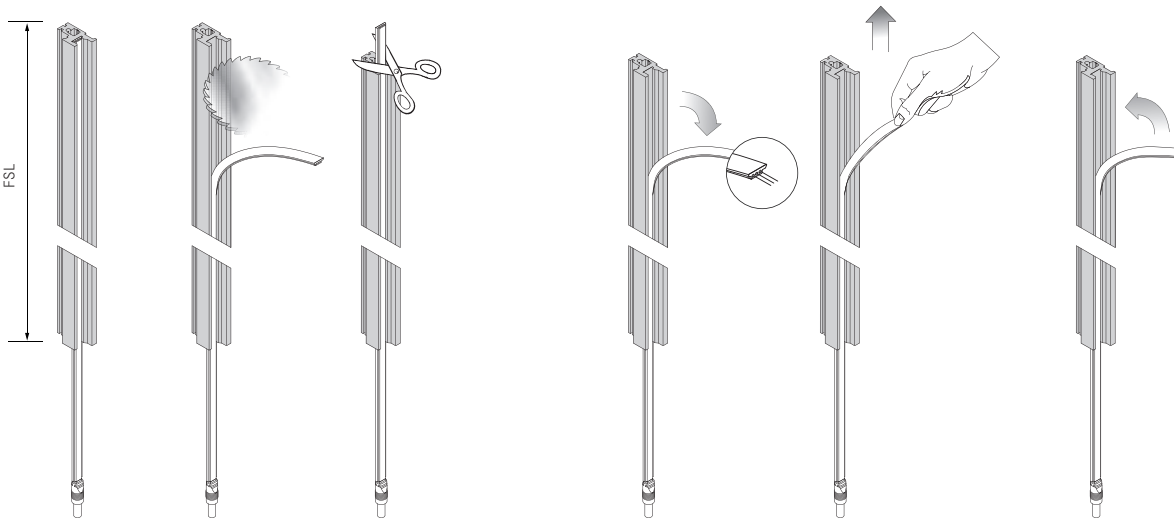
Position of front bumper



When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front.
 Do not drive in or glue front bumpers.

FH = front height
 FO = front overlay

Cutting frame side

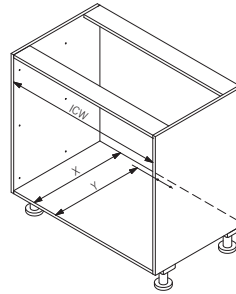
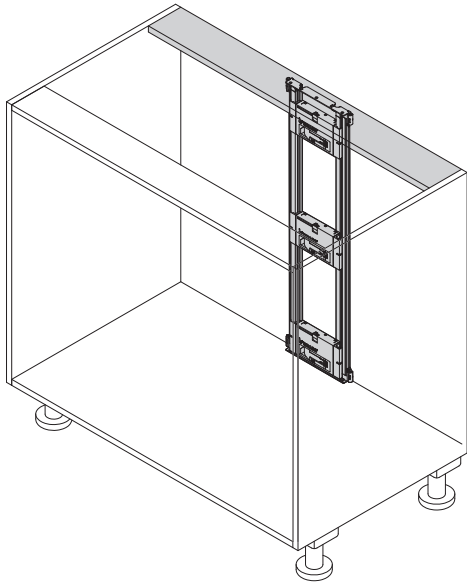


FSL = Frame side length

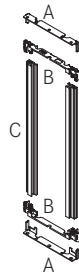
Standard cabinet with horizontal wooden stretcher

Dynapro slide system

Overview



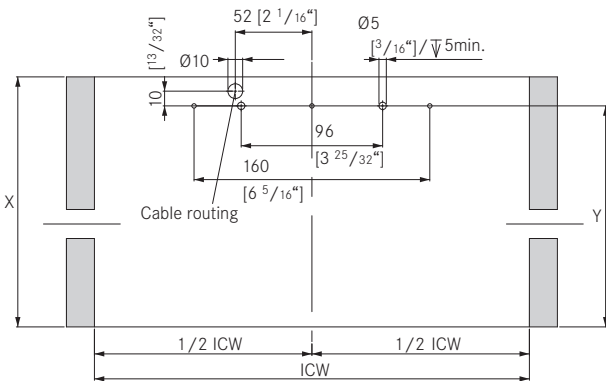
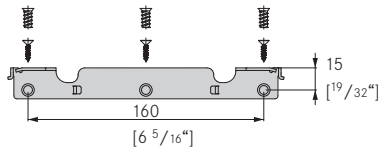
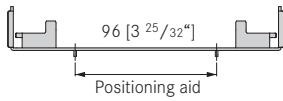
X = min. installation depth
 Y = depth of hole pattern
 ICW = inside cabinet width



A = Fixing brackets used at top and bottom
 B = Frame connector
 C = Frame sides

Mounting dimensions

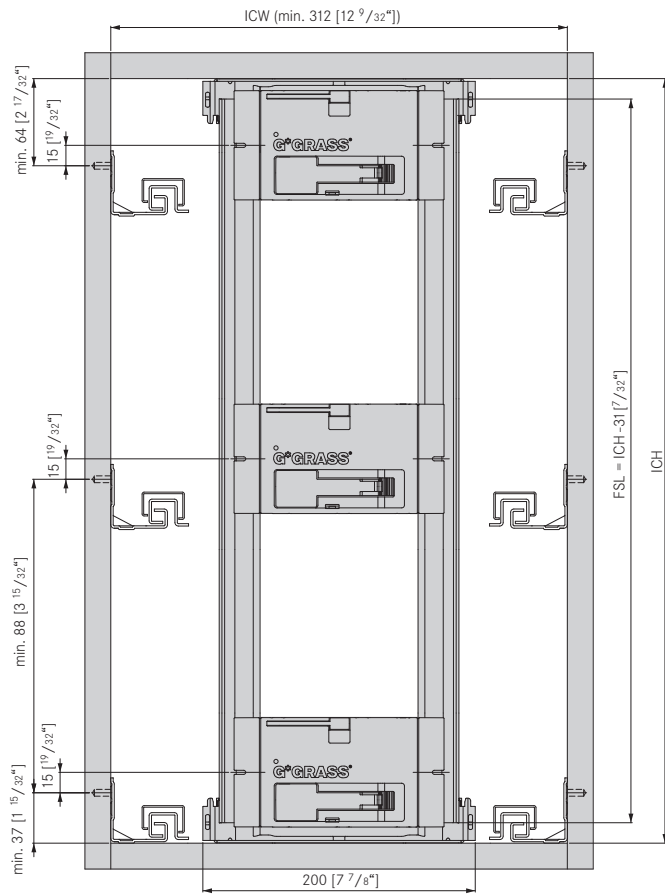
Fixing brackets positioned at top/bottom



Mounting dimensions Dynapro	X	Y	
	NL + 15 [$\frac{19}{32}$ "]	NL	NL = nominal length of cabinet slide

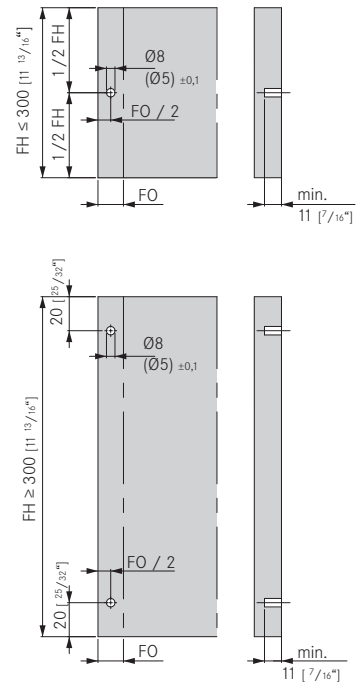
Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for Dynapro



ICH = Inside cabinet height
 FSL = Frame side length
 ICW = inside cabinet width

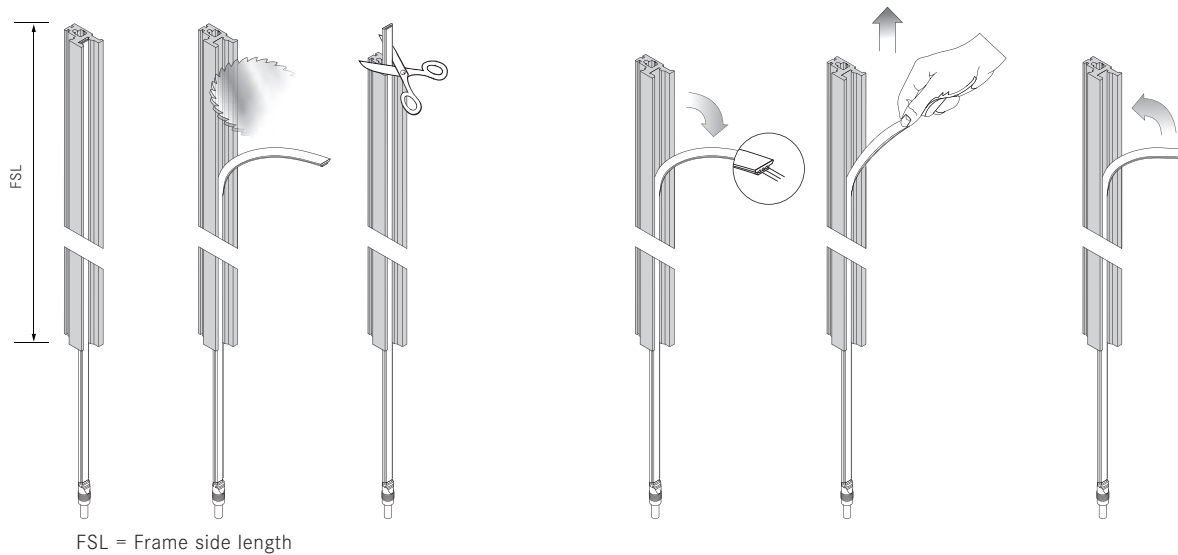
Position of front bumper



When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
 FO = front overlay

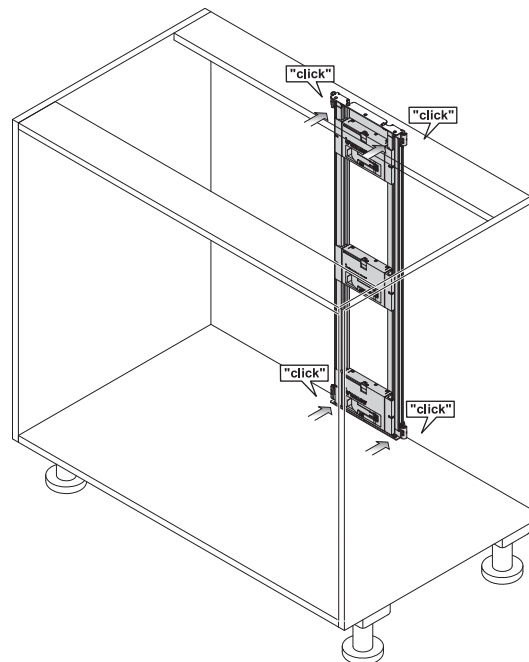
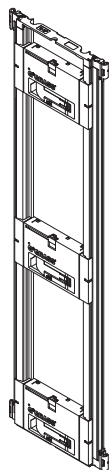
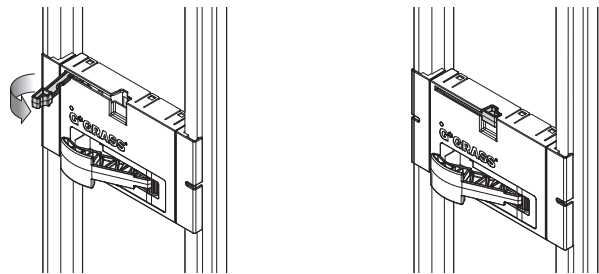
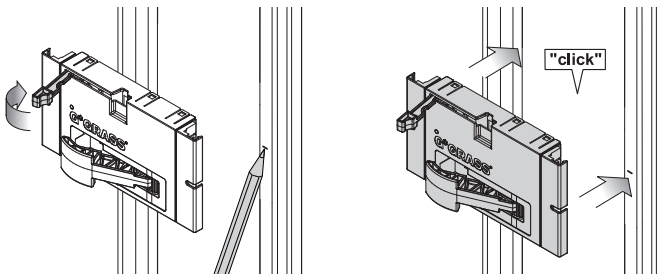
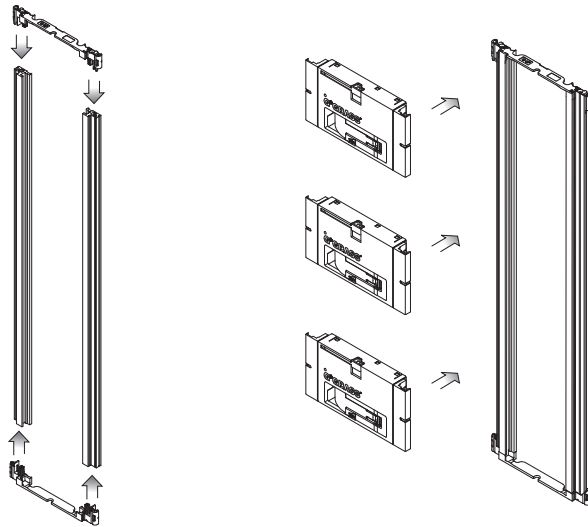
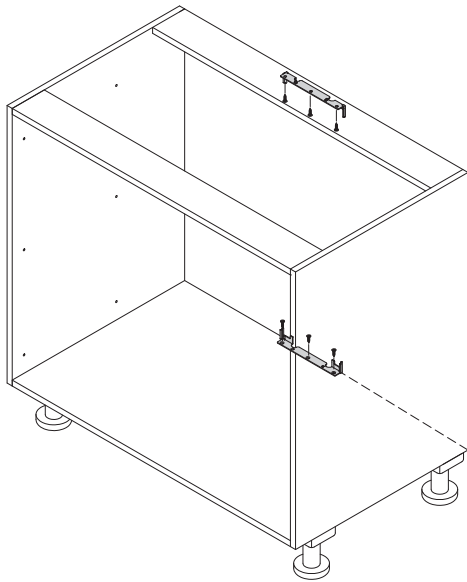
Cutting frame side



Standard cabinet with horizontal wooden stretcher

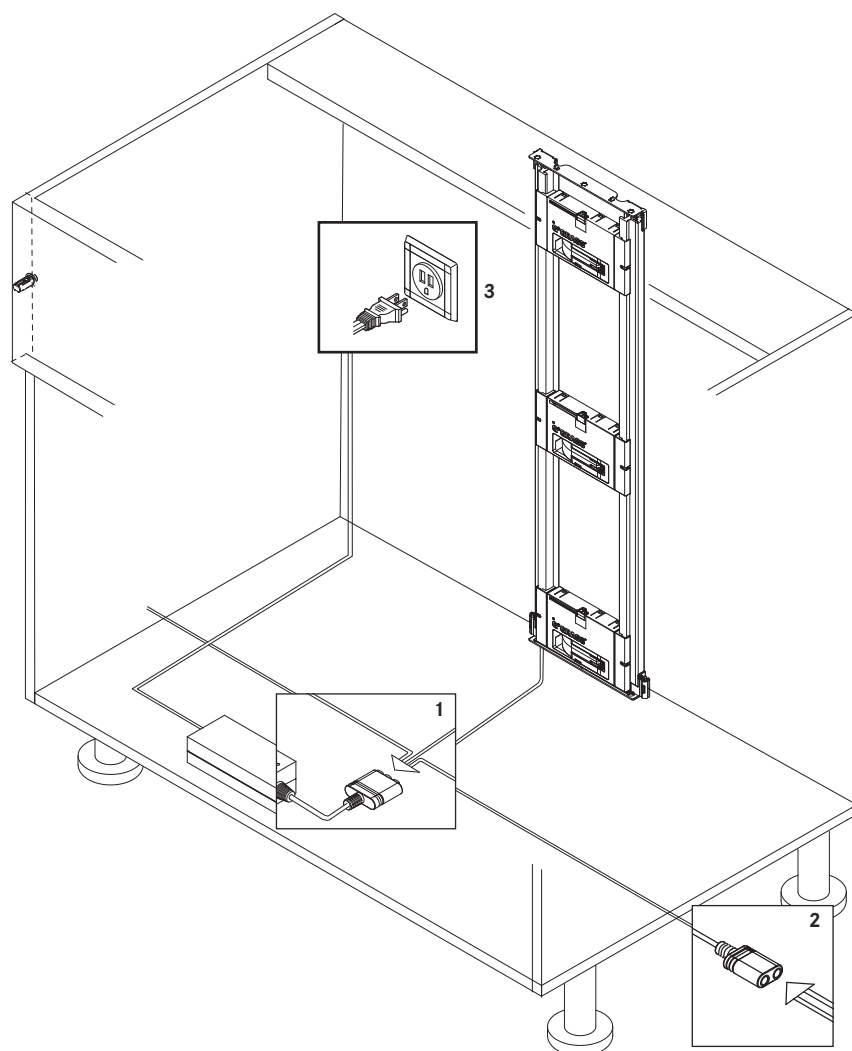
for Nova Pro, DWD XP and Dynapro

Assembly



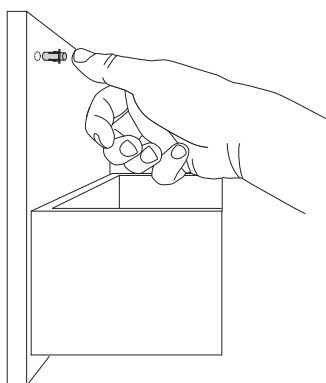
Installation in millimeters is required. (Fractional inch equivalents as noted)

Wiring



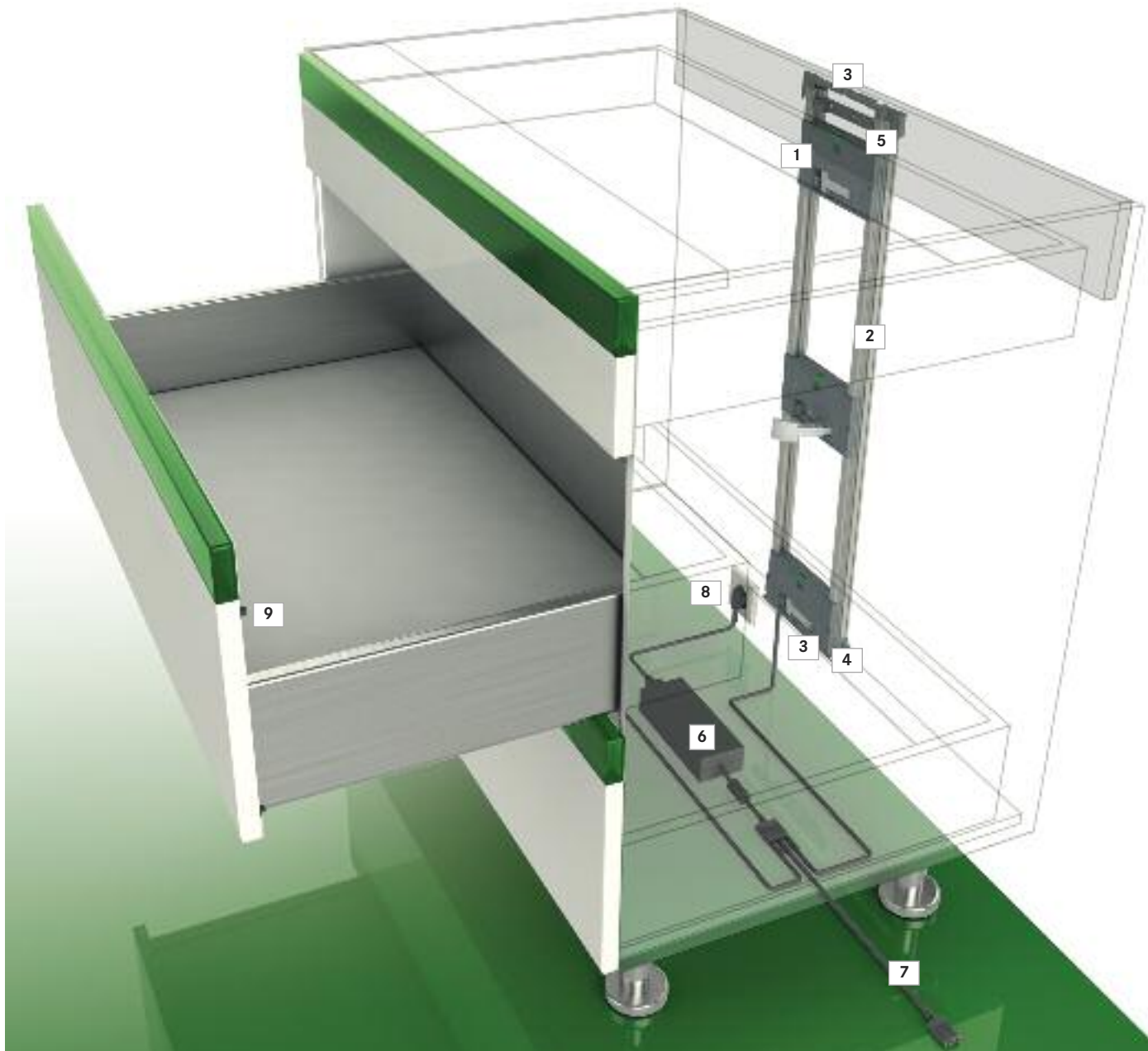
Inserting front bumpers

Do not drive in or glue front bumpers.



Sensomatic

Standard cabinet with vertical wooden stretcher



Example for ordering:

The following items are needed for a cabinet with 3 drawers:

- | | | | |
|----------|---------------------|----------|------------------------------|
| 1 | Opening units: 3 | 5 | Rear-mount fixing bracket: 1 |
| 2 | Frame sides: 1 pair | 6 | Power supply unit: 1 |
| 3 | Frame connector: 2 | 8 | Power cord: 1 |
| 4 | Fixing bracket: 1 | 9 | Front bumpers: 10 |

1 Opening unit



	Item No.
for Nova Pro and Dynapro	F121100268607
for DWD XP	F121100409607
	PU 10

PU 10 = 10 pieces, individually packaged

2 Frame sides, including frame side cable



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

PU 10 = 10 pairs

3 Frame connector



	Item No.
Frame connector	F121100282211
	PU 20

PU 20 = 20 pieces

4 Fixing bracket



	Item No.
Fixing bracket	F121100270211
	PU 20

PU 20 = 20 pieces

5 Rear-mount fixing brackets



Frame set	Item No.
flush mount	F121100275207
	PU 10
back mount	F121100276207
	PU 10

PU 10 = 10 pieces

6 Power supply unit



	Item No.
Power supply unit	F121100269607
	PU 10

PU 10 = 10 pieces, individually packaged

7 Connection cable with 2-way-adapter



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

PU 10 = 10 pieces

8 Power cord, 1.8 m [6']



	Item No.
Power cord (USA, CA)	69760-04
without plug	69767-04
	PU 10

PU 10 = 10 pieces

9 Spring-loaded front bumper



Ø 5 mm	Item No.
Front gap 2.2 mm*	F121100294223
Front gap 3 mm	F121100295223
Front gap 4 mm	F121100296223
Ø 8 mm	Item No.
Front gap 2.2 mm*	F121100297223
Front gap 3 mm	F121100298223
Front gap 4 mm	F121100299223
	PU 100

PU 100 = 100 pieces

*for Nova Pro and Dynapro

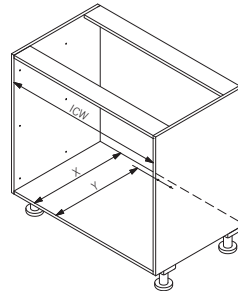
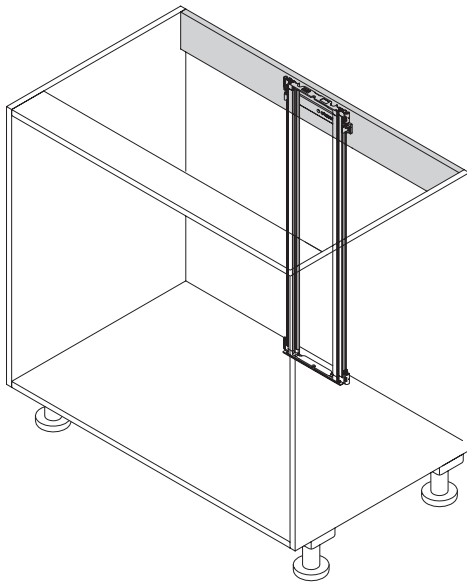
PU = Packing unit

Subject to technical modifications without notice.

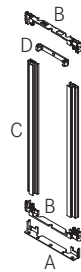
Standard cabinet with vertical wooden stretcher

Nova Pro drawer system

Overview



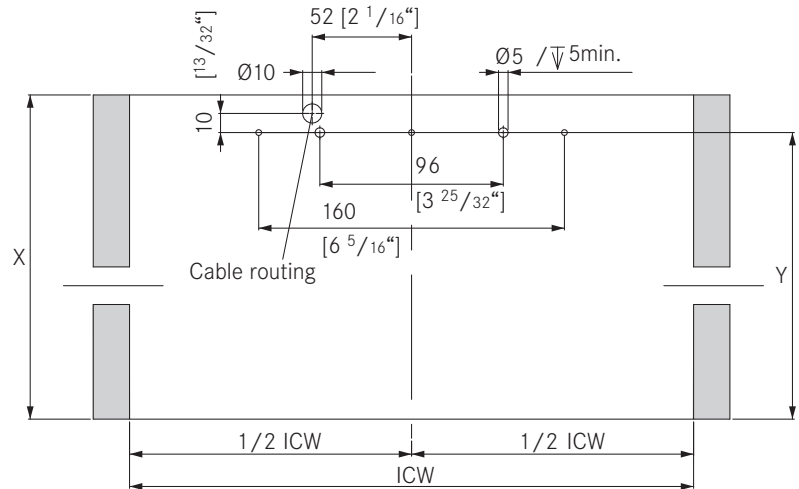
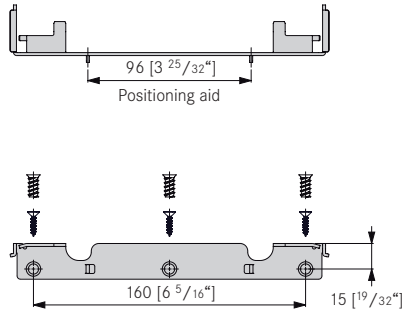
X = min. installation depth
Y = depth of hole pattern
ICW = inside cabinet width



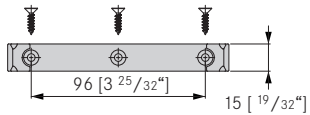
A = Fixing bracket used at bottom
B = Frame connector
C = Frame sides
D = Rear mount fixing bracket
flush mount or back mount

Mounting dimensions

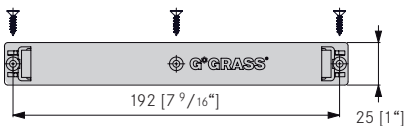
Fixing bracket positioned at bottom



Rear-mount fixing bracket (flush mount)



Rear-mount fixing bracket (back mount)



Mounting dimensions Nova Pro

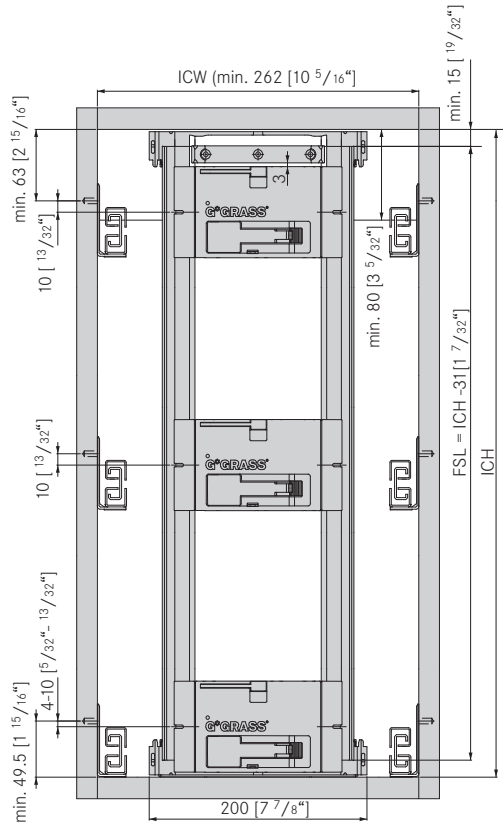
	X	Y
Steel back panel	NL + 18 [23/32"]	NL + 3 [1/8"]
Wood back panel	NL + 20 (+1) [29/32" (+1/32")]	NL + 5 (+1) [3/16" (+1/32")]

NL = nominal length of cabinet slide

Installation in millimeters is required. (Fractional inch equivalents as noted)

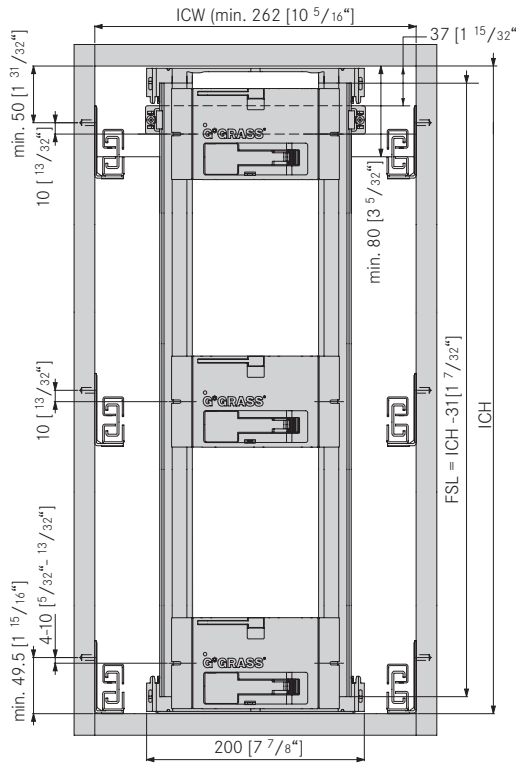
Position opening unit for Nova Pro

inside mounted

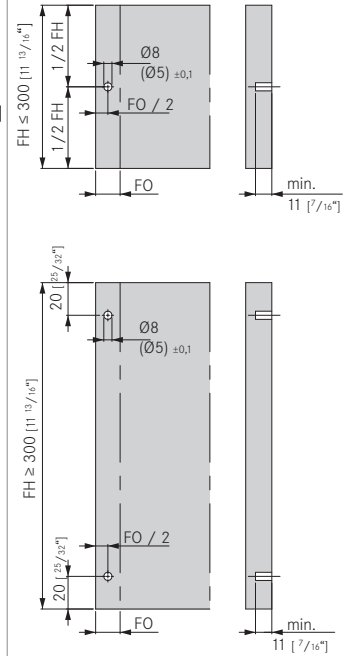


ICH = Inside cabinet height
 FSL = Frame side length
 ICW = Inside cabinet width

back mounted



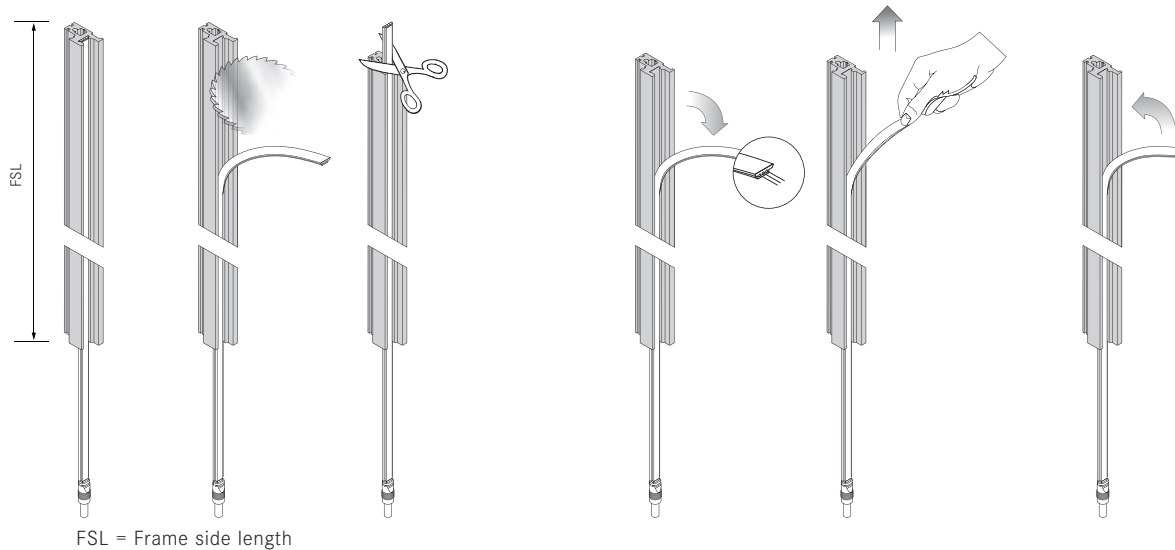
Position of front bumper



When mounting the heavy-duty slide (154 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
 FO = front overlay

Cutting frame side

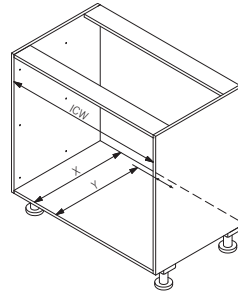
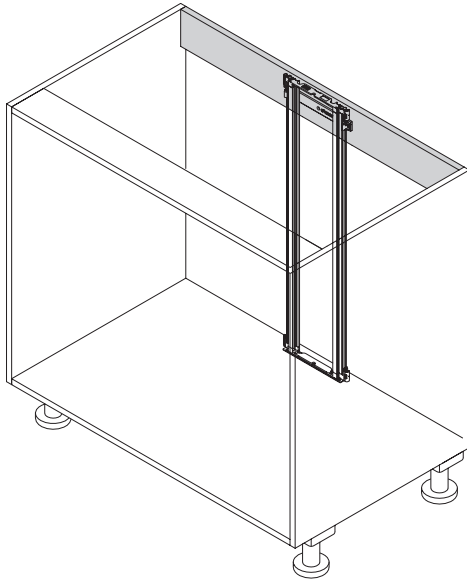


FSL = Frame side length

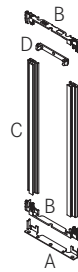
Standard cabinet with vertical wooden stretcher

DWD XP drawer system

Overview



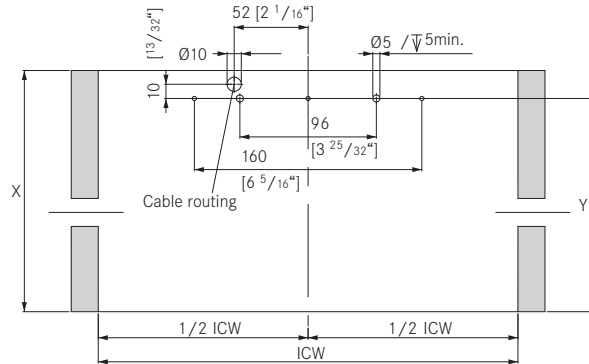
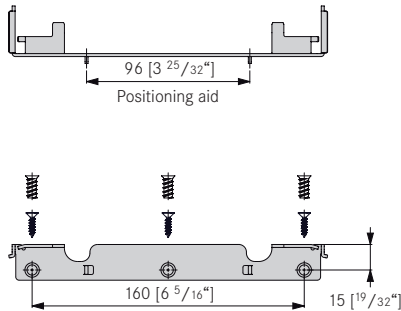
X = min. installation depth
 Y = depth of hole pattern
 ICW = inside cabinet width



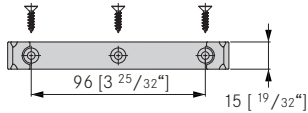
A = Fixing bracket used at bottom
 B = Frame connector
 C = Frame sides
 D = Rear-mount fixing bracket, flush mount or back mount

Mounting dimensions

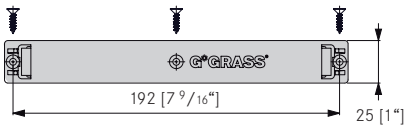
Fixing bracket positioned at bottom



Rear-mount fixing bracket (flush mount)



Rear-mount fixing bracket (back mount)



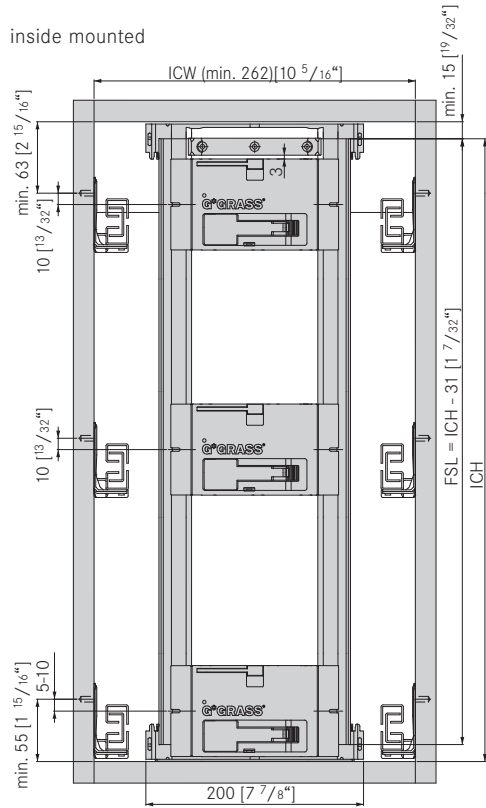
Mounting dimensions DWD XP

	X (inside)	X (back)	Y
Steel back panel	NL + 13 [1/2"]	NL + 18 [29/32"]	NL - 2 [3/32"]
Wood back panel	NL + 15 [1 1/32"]	NL + 20 [25/32"]	NL

NL = nominal length of cabinet slide

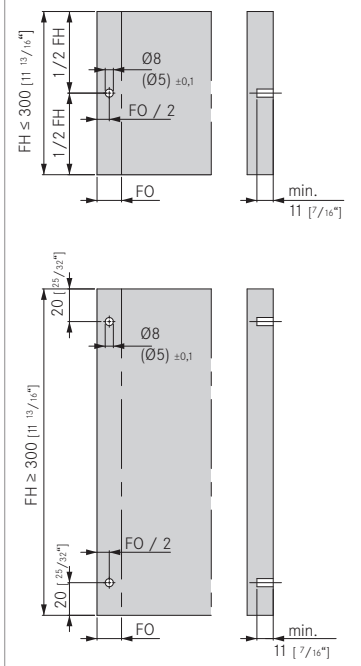
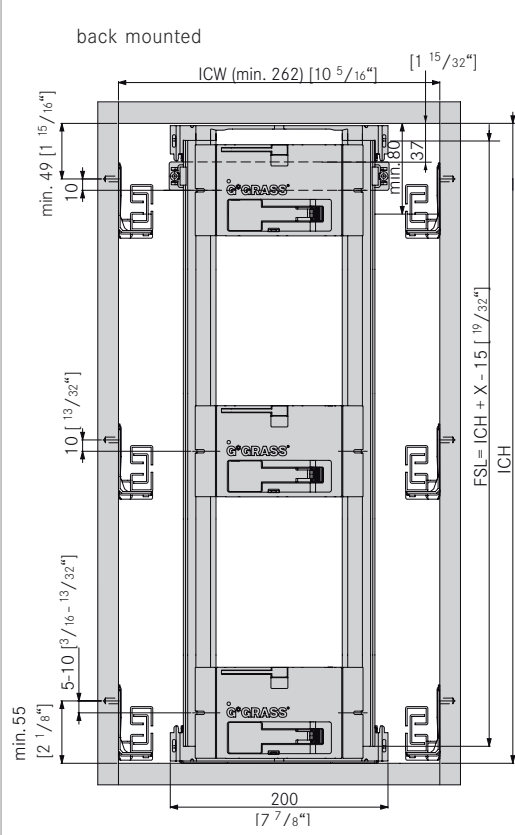
Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for DWD XP



ICH = Inside cabinet height
 FSL = Frame side length
 ICW = Inside cabinet width

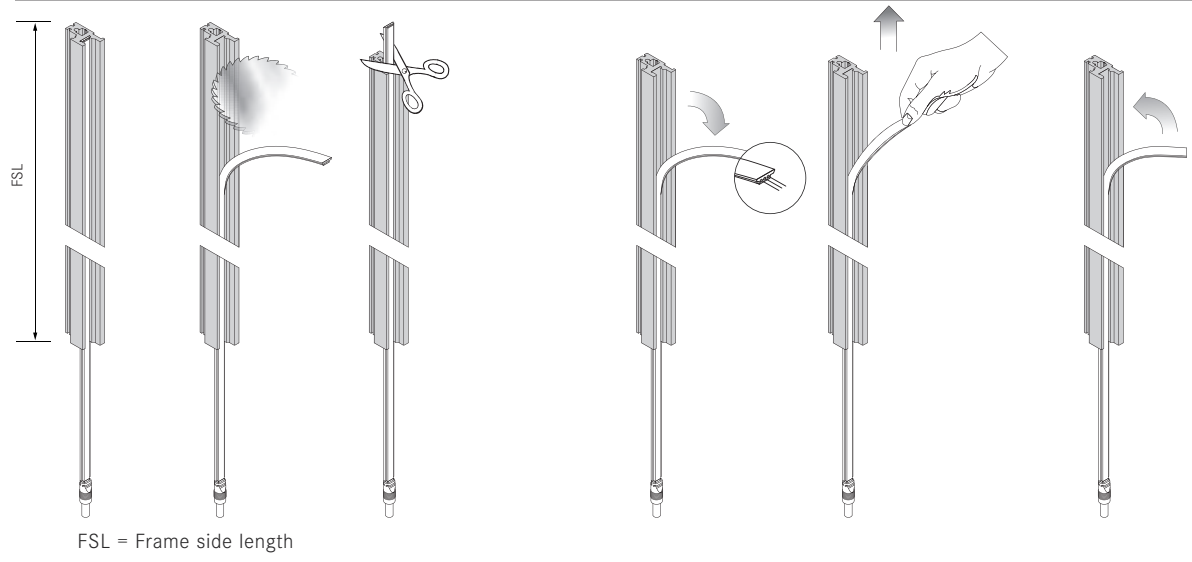
Position of front bumper



When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
 FO = front overlay

Cutting frame side

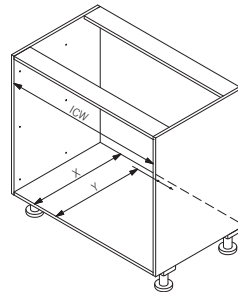
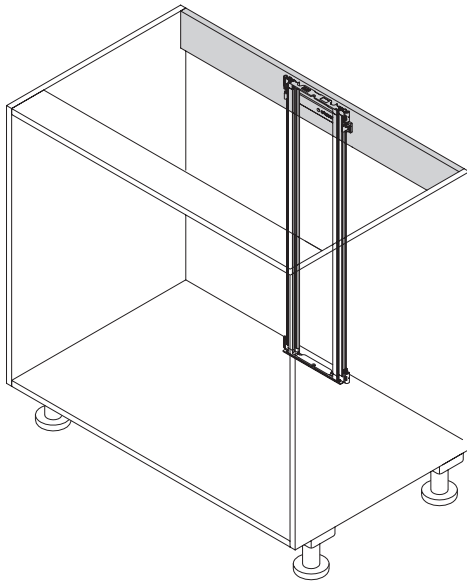


Subject to technical modifications without notice.

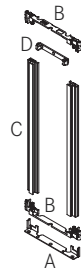
Standard cabinet with vertical wooden stretcher

Dynapro slide system

Overview



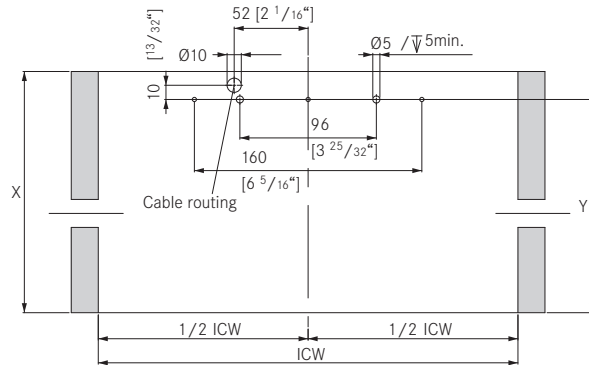
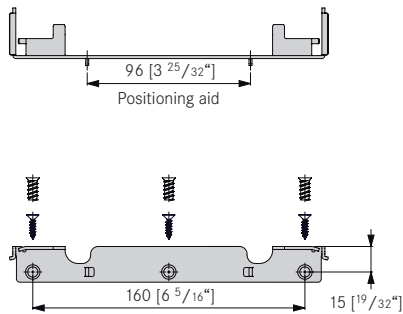
X = min. installation depth
Y = depth of hole pattern
ICW = inside cabinet width



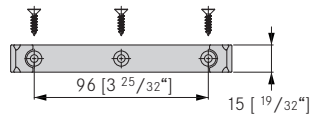
A = Fixing bracket used at bottom
B = Frame connector
C = Frame sides
D = Rear mount fixing bracket, flush mount or back mount

Mounting dimensions

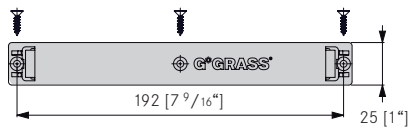
Fixing bracket positioned at bottom



Rear-mount fixing bracket (flush mount)



Rear-mount fixing bracket (back mount)



Mounting dimensions for Dynapro

	X (inside)	X (back)	Y
Wood back panel	NL + 15 [1 1/2\"/>		

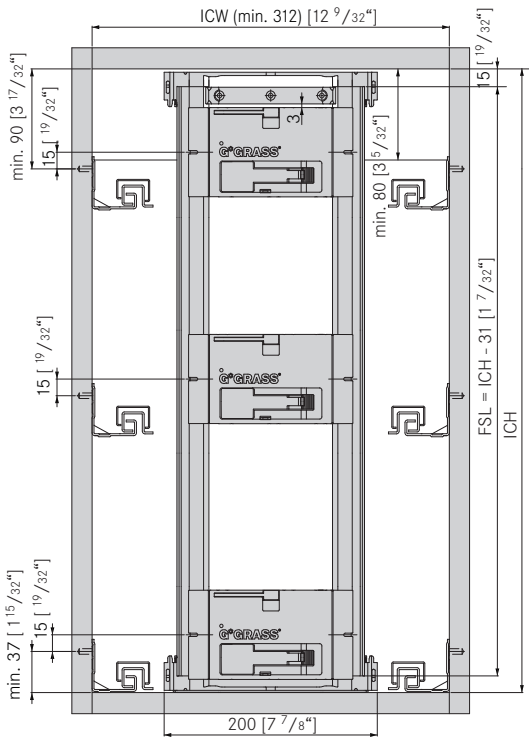
NL = nominal length of cabinet slide

Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for Dynapro

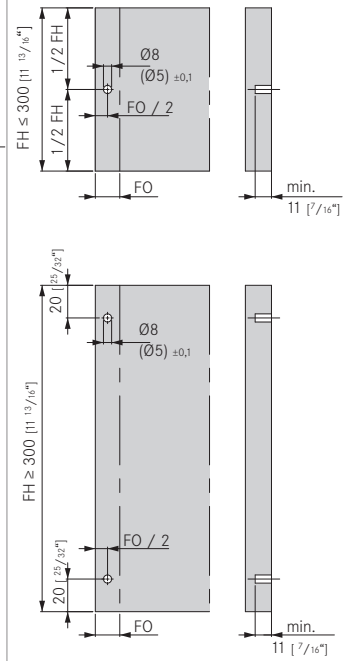
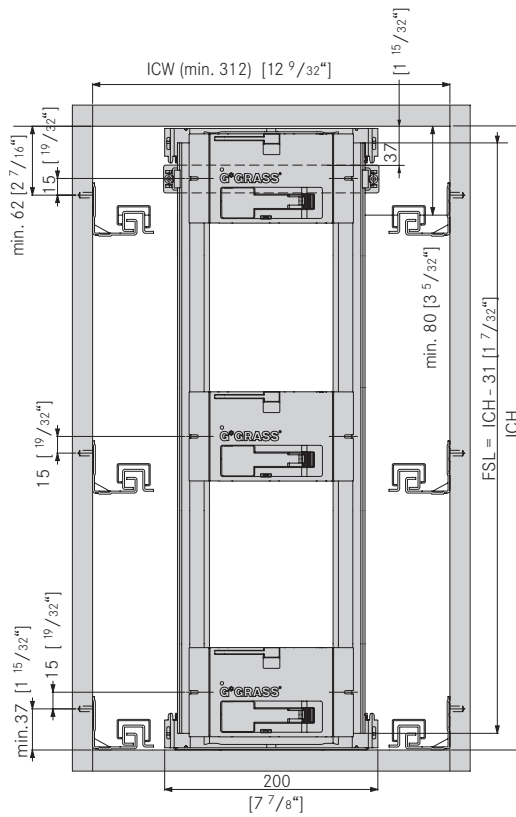
Position of front bumper

inside mounted



ICH = Inside cabinet height
 FSL = Frame side length
 ICW = Inside cabinet width

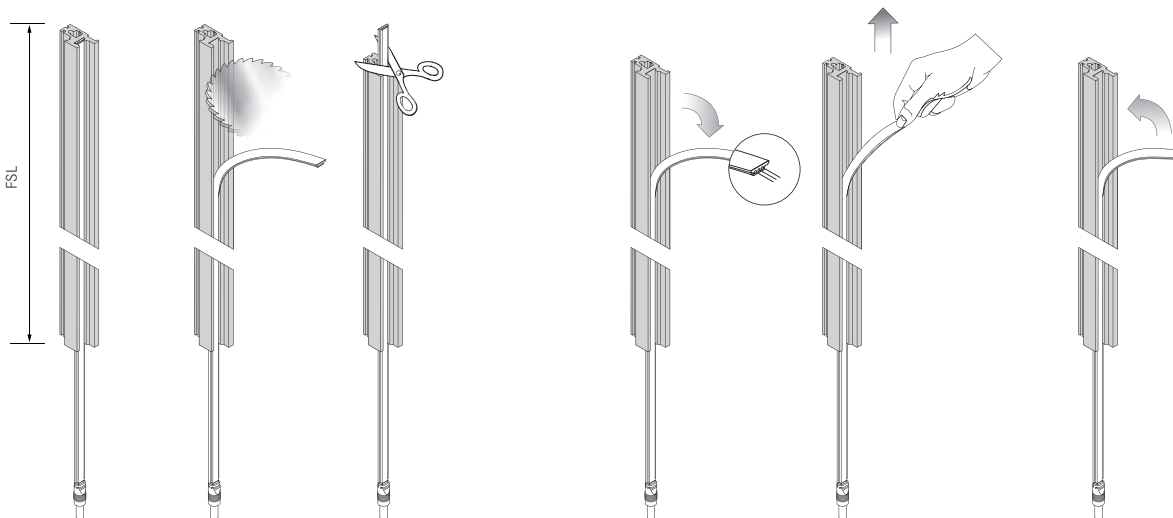
back mounted



When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
 FO = front overlay

Cutting frame side

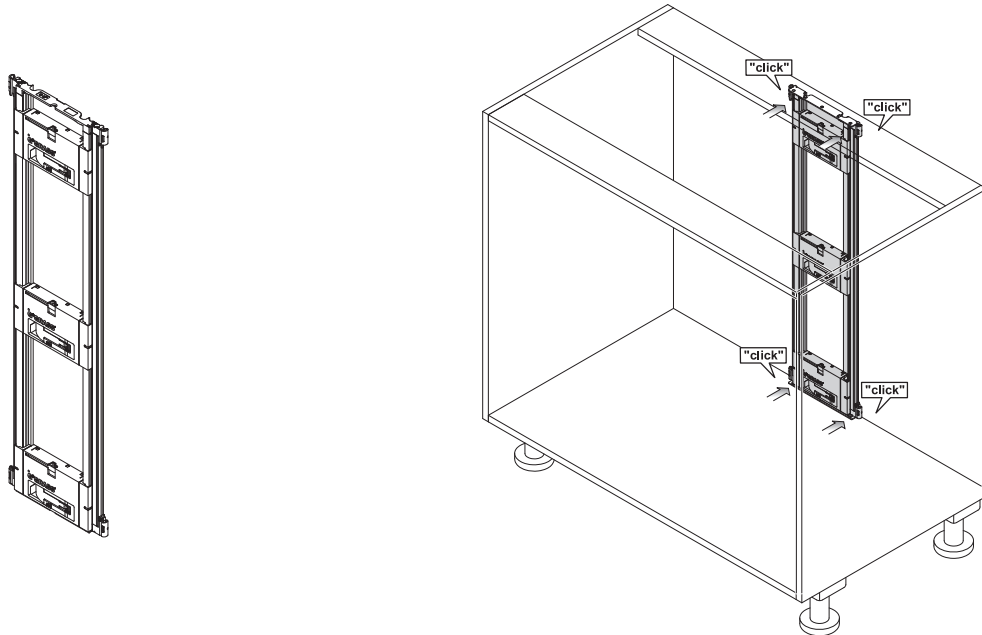
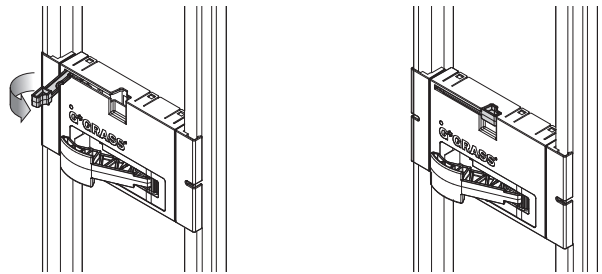
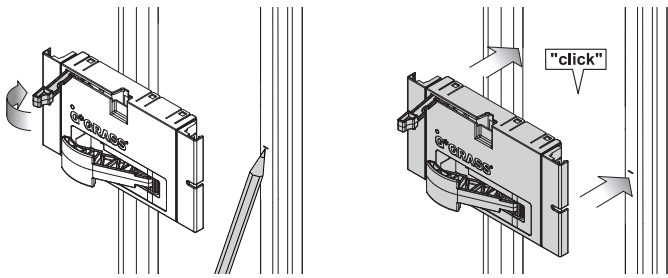
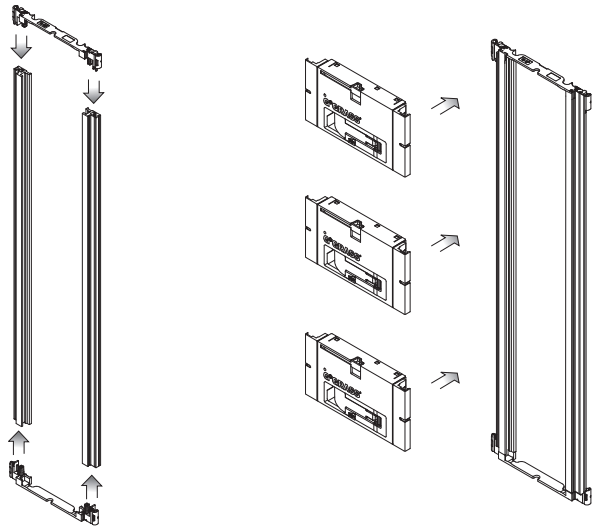
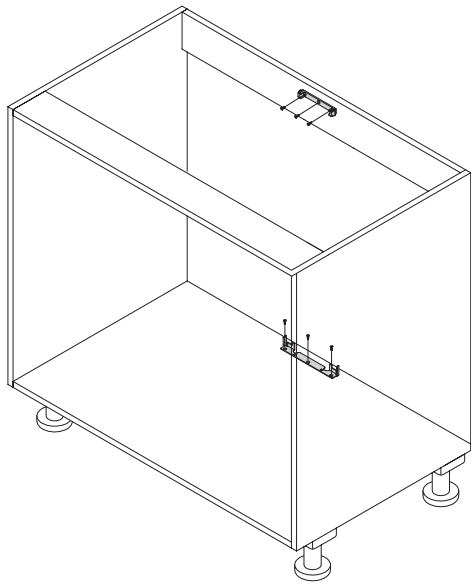


FSL = Frame side length

Standard cabinet with vertical wooden stretcher

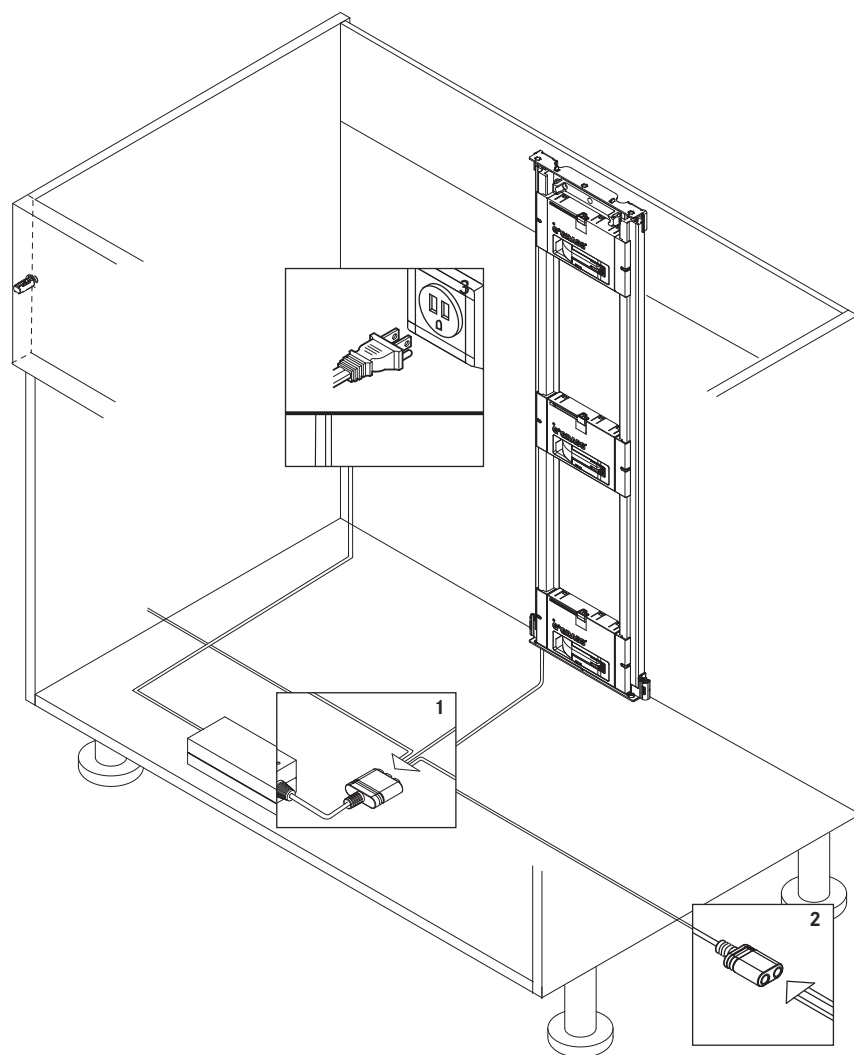
for Nova Pro, DWD XP and Dynapro

Assembly



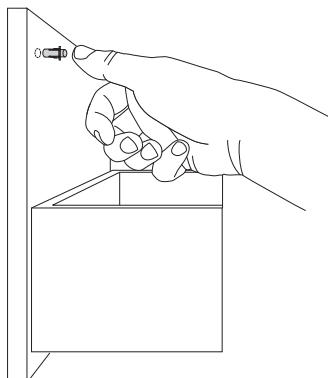
Installation in millimeters is required. (Fractional inch equivalents as noted)

Wiring



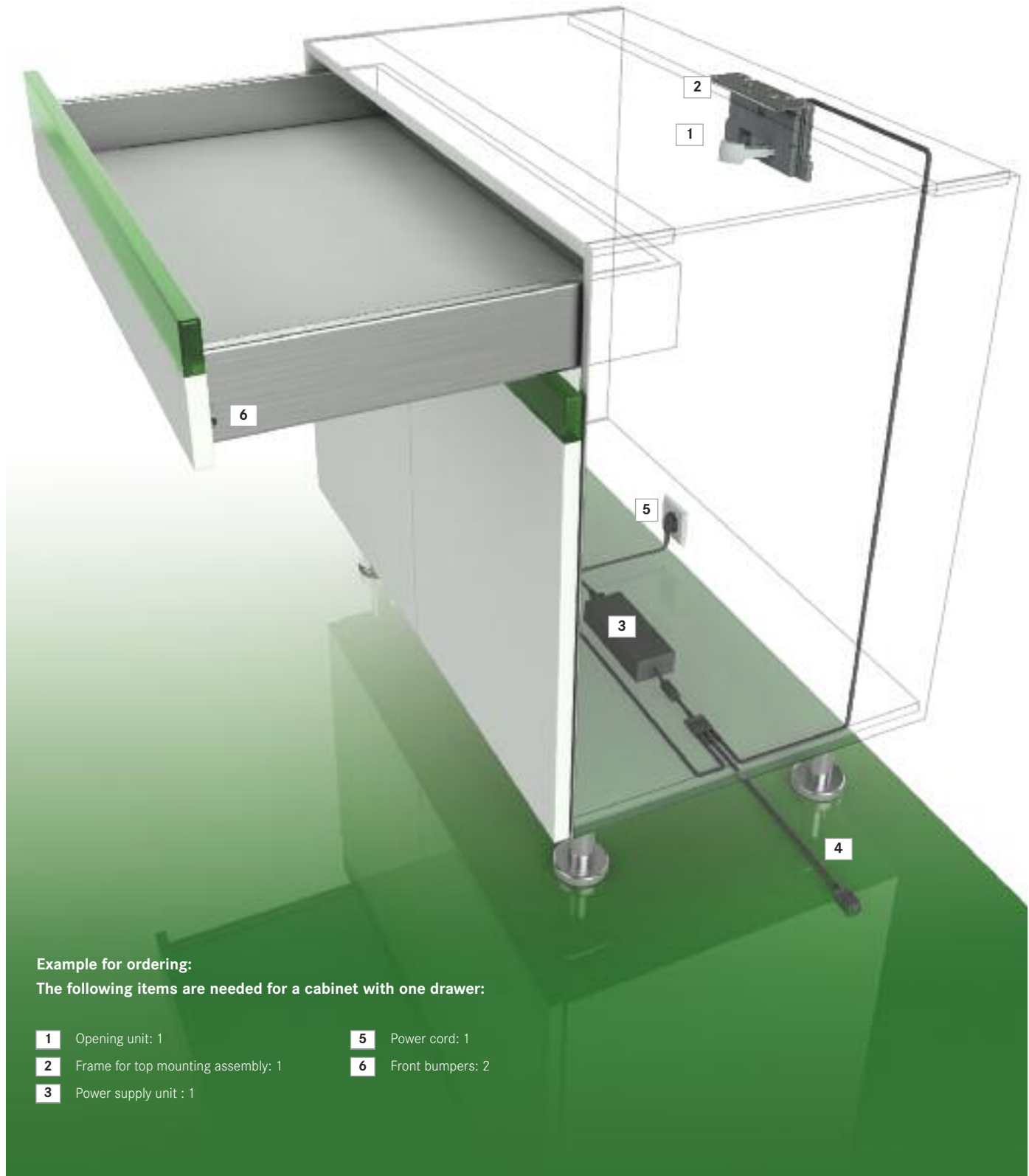
Inserting front bumpers

Do not drive in or glue front bumpers.



Sensomatic

Single drawer with top mounting



Example for ordering:

The following items are needed for a cabinet with one drawer:

- | | | | |
|----------|------------------------------------|----------|------------------|
| 1 | Opening unit: 1 | 5 | Power cord: 1 |
| 2 | Frame for top mounting assembly: 1 | 6 | Front bumpers: 2 |
| 3 | Power supply unit : 1 | | |

1 Opening unit



	Item No.
for Nova Pro and Dynapro	F121100268607
for DWD XP	F121100409607
	PU 10

PU 10 = 10 pieces, individually packaged

2 Frame for top assembly



	Item No.
Height 120 mm [4 23/32"]	F121100272207
Height 170 mm [6 11/16"]	F121100273207
	PU 10

PU 10 = 10 pieces

3 Power supply unit



	Item No.
Power supply unit	F121100269607
	PU 10

PU 10 = 10 pieces, individually packaged

4 Connection cable with 2-way-adapter



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

PU 10 = 10 pieces

5 Power cord, 1.8 m [6']



	Item No.
Power cord (USA, CA)	69760-04
without plug	69767-04
	PU 10

PU 10 = 10 pieces

6 Spring-loaded front bumper



Ø 5 mm	Item No.
Front gap 2.2 mm*	F121100294223
Front gap 3 mm	F121100295223
Front gap 4 mm	F121100296223
Ø 8 mm	Item No.
Front gap 2.2 mm*	F121100297223
Front gap 3 mm	F121100298223
Front gap 4 mm	F121100299223
	PU 100

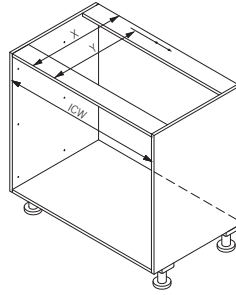
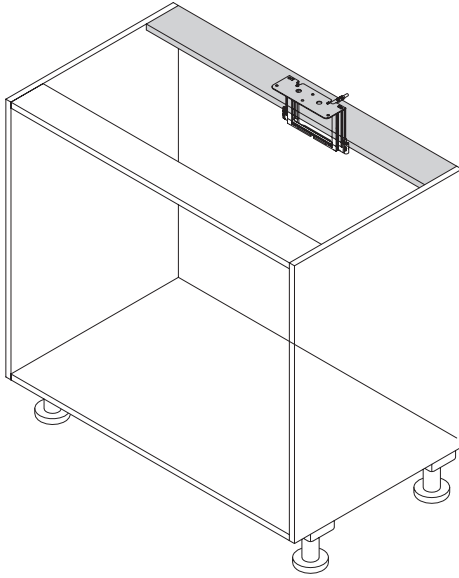
PU 100 = 100 pieces

*for Nova Pro and Dynapro

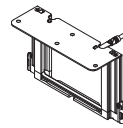
Single drawer with top mounting

Nova Pro drawer system

Overview

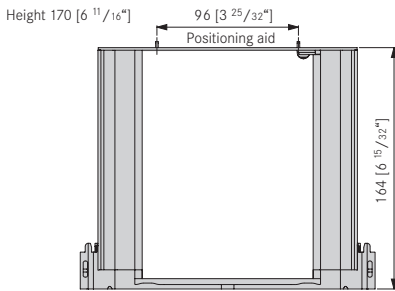


X = min. installation depth
Y = depth of hole pattern
ICW = inside cabinet width

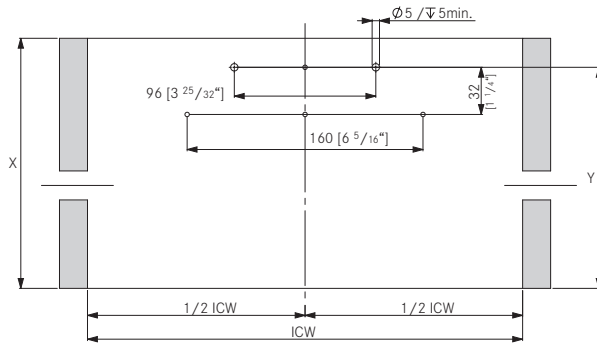
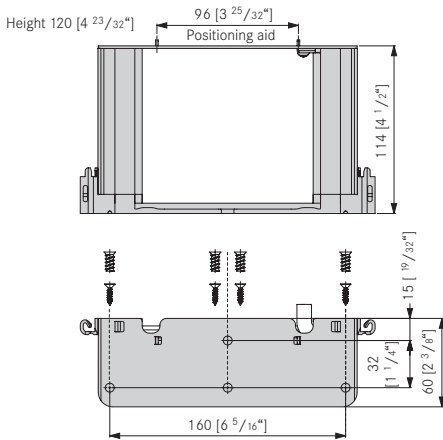
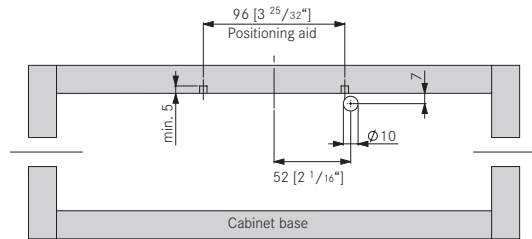


Frame for top mounting

Mounting dimensions



Back wall cabling



Mounting dimensions for Nova Pro X

Y

Steel back panel	NL + 18 [²³ / ₃₂ "]	NL + 3 [¹ / ₈ "]
Wood back panel	NL + 20 [²⁵ / ₃₂ "](+ 1)	NL + 5 [³ / ₁₆ "](+ 1)

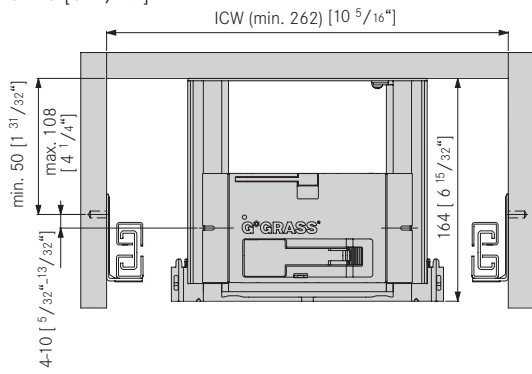
NL = nominal length of cabinet slide

Installation in millimeters is required. (Fractional inch equivalents as noted)

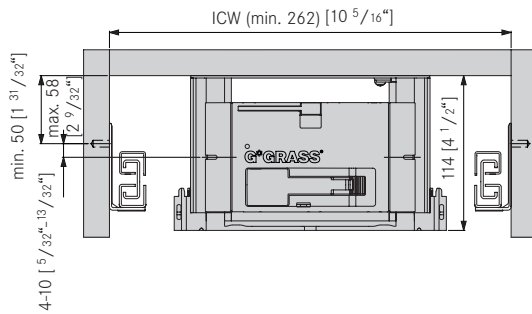
Position of opening unit for Nova Pro

Position of front bumper

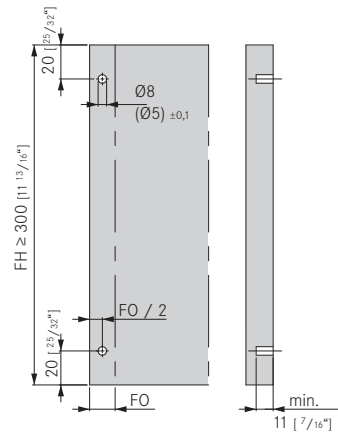
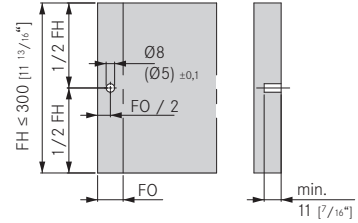
Height 170 [6 11/16"]



Height 120 [4 23/32"]



ICW = inside cabinet width



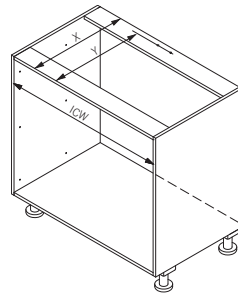
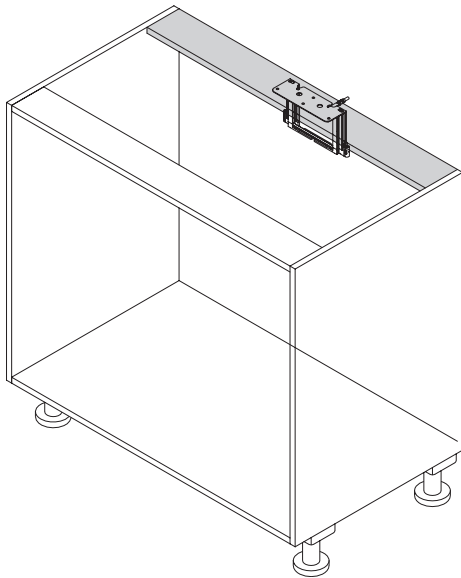
When mounting the heavy-duty slide (154 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
FO = front overlay

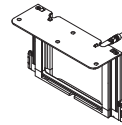
Single drawer with top mounting

DWD XP drawer system

Overview

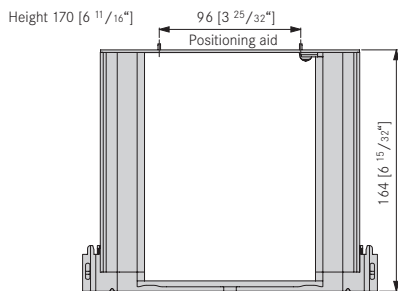


X = min. installation depth
Y = depth of hole pattern
ICW = inside cabinet width

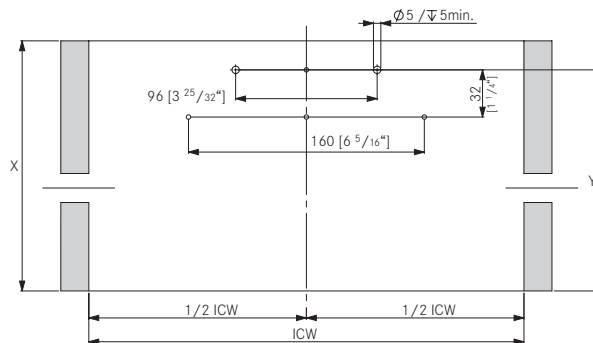
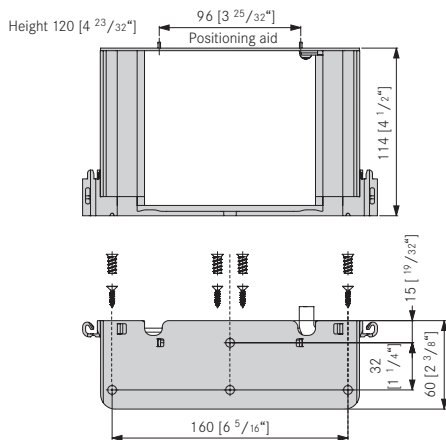
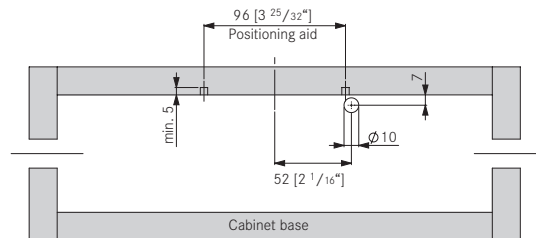


Frame for top mounting

Mounting dimensions



Back wall cabling



Mounting dimensions DWD XP

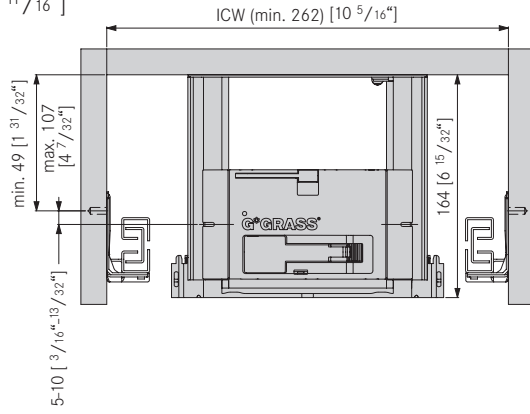
	X	Y
Steel back panel	NL + 13 [½"]	NL - 2 [½"]
Wood back panel	NL + 15 [1 9/32"]	NL

NL = nominal length of cabinet slide

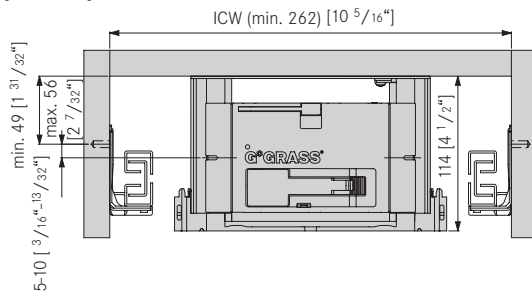
Position of opening unit for DWD XP

Position of front bumper

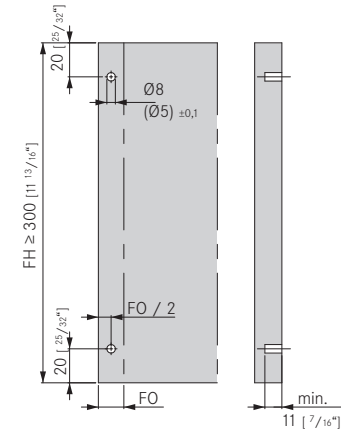
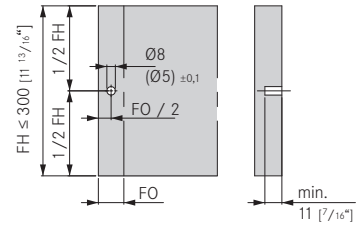
Height 170 [6 11/16"]



Height 120 [4 23/32"]



ICW = inside cabinet width



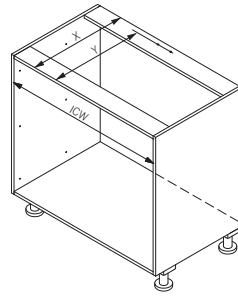
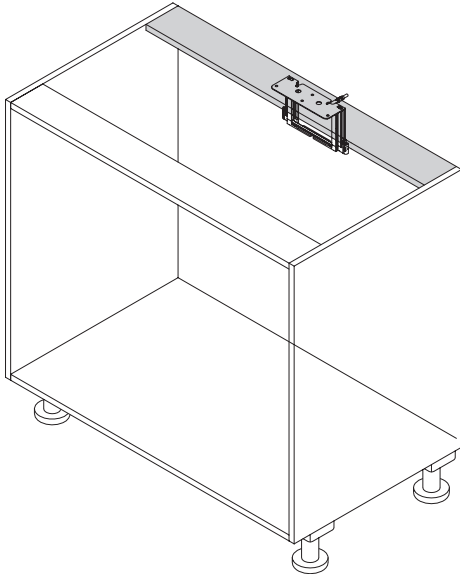
When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
FO = front overlay

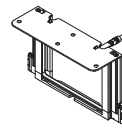
Single drawer with top mounting

Dynapro slide system

Overview

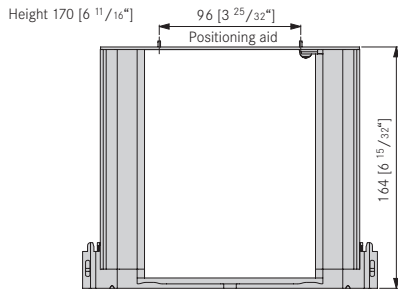


X = min. installation depth
Y = depth of hole pattern
ICW = inside cabinet width

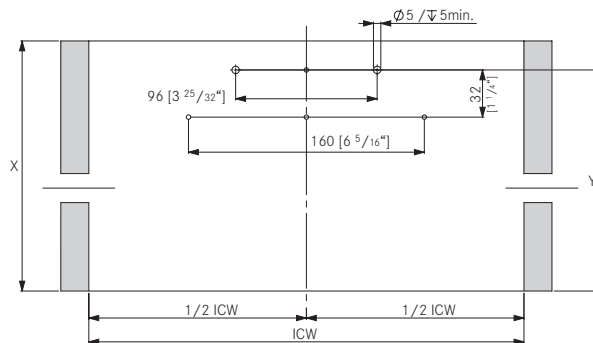
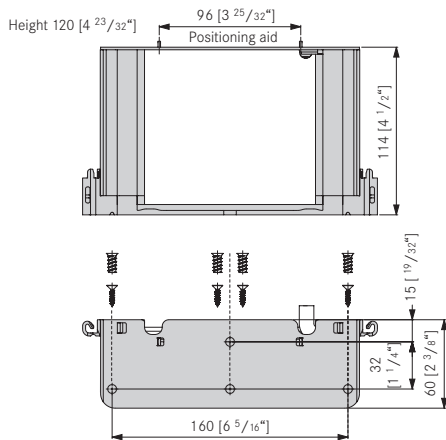
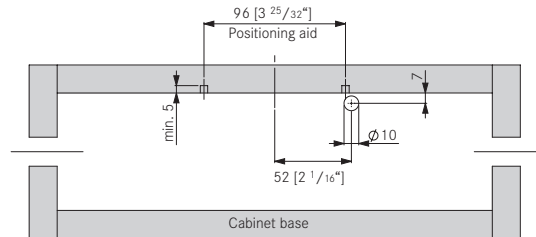


Frame for top mounting

Mounting dimensions



Back wall cabling



Mounting dimensions for Dynapro

Wood back panel

X

NL + 15 [1 9/32"]

Y

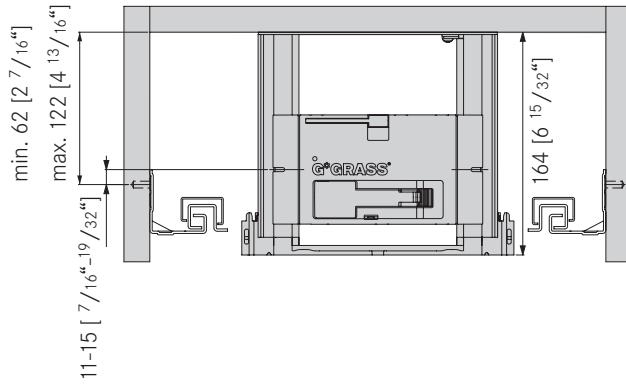
NL

NL = nominal length of cabinet slide

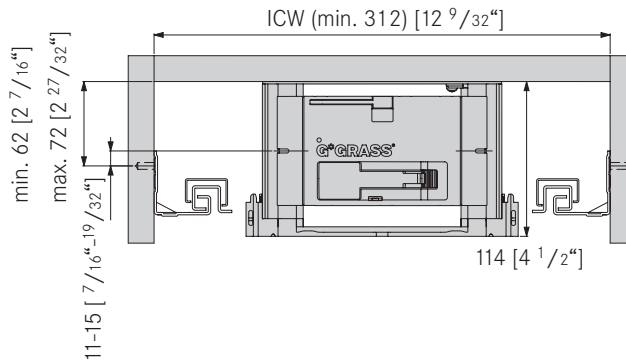
Position of opening unit for Dynapro

Position of front bumper

Height 170 [6 11/16"]

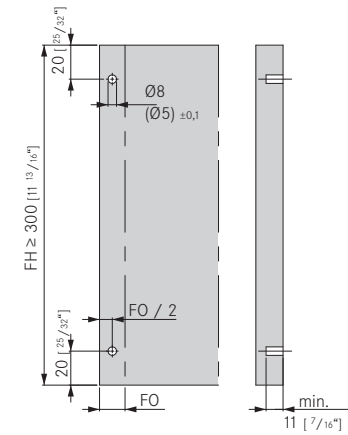
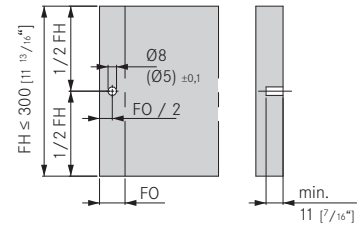


Height 120 [4 23/32"]



ICW = inside cabinet width

ICW (min. 312) [12 9/32"]



When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front.
Do not drive in or glue front bumpers.

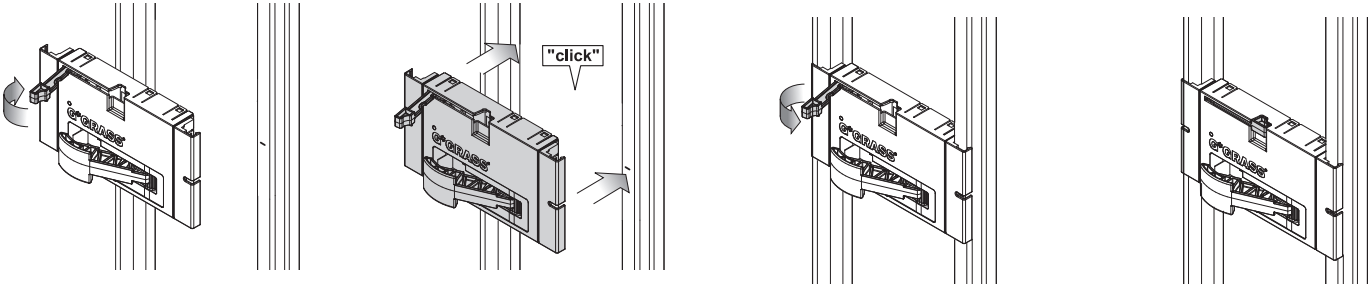
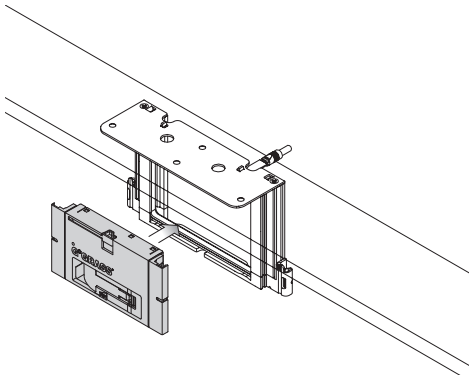
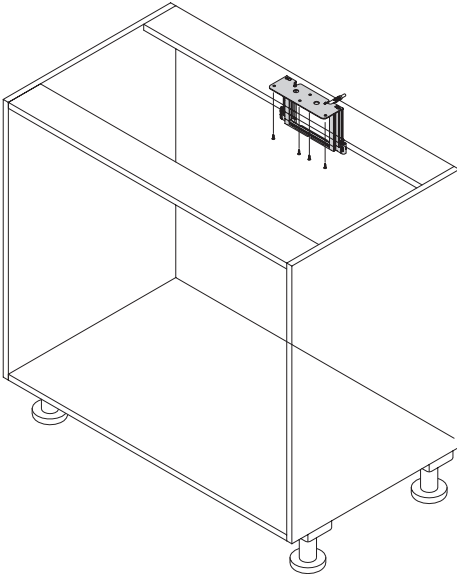
FH = height of front

FO = front overlay

Single drawer with top mounting

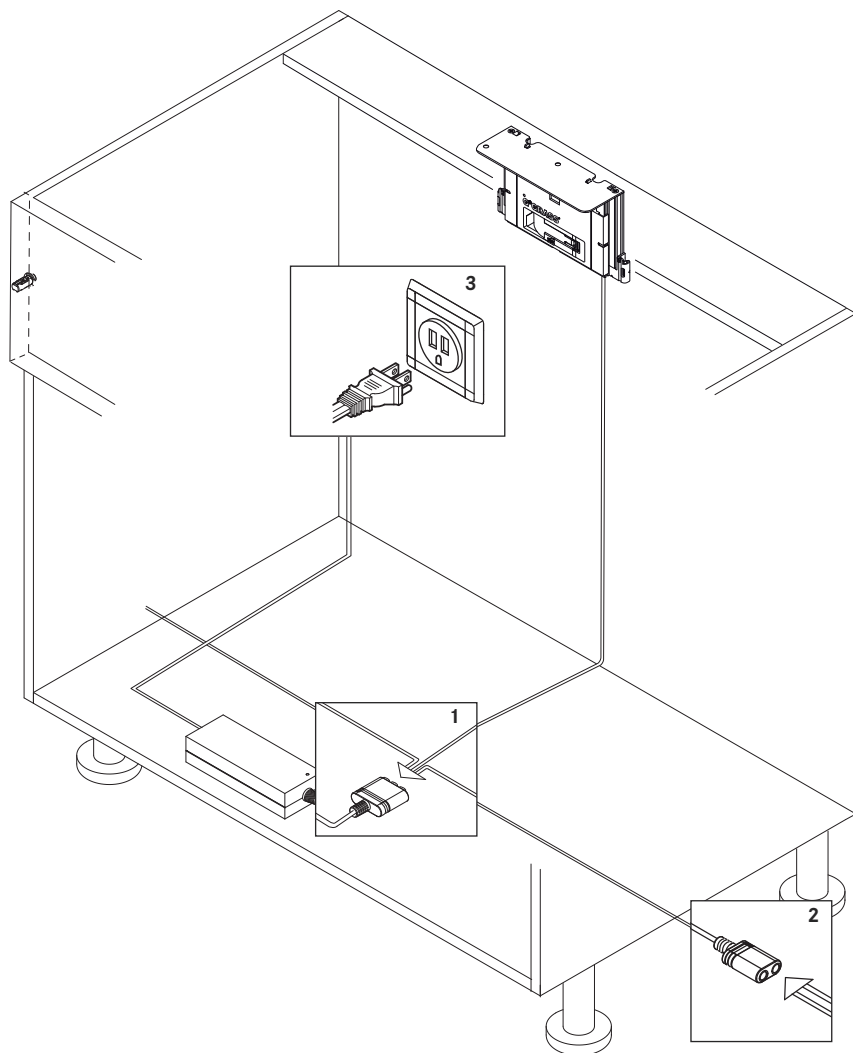
for Nova Pro, DWD XP and Dynapro

Assembly



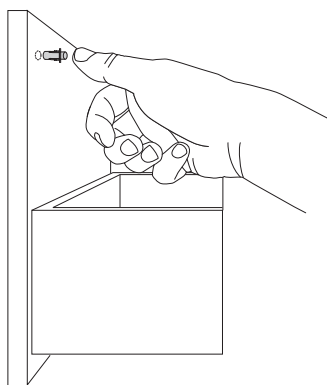
Installation in millimeters is required. (Fractional inch equivalents as noted)

Wiring



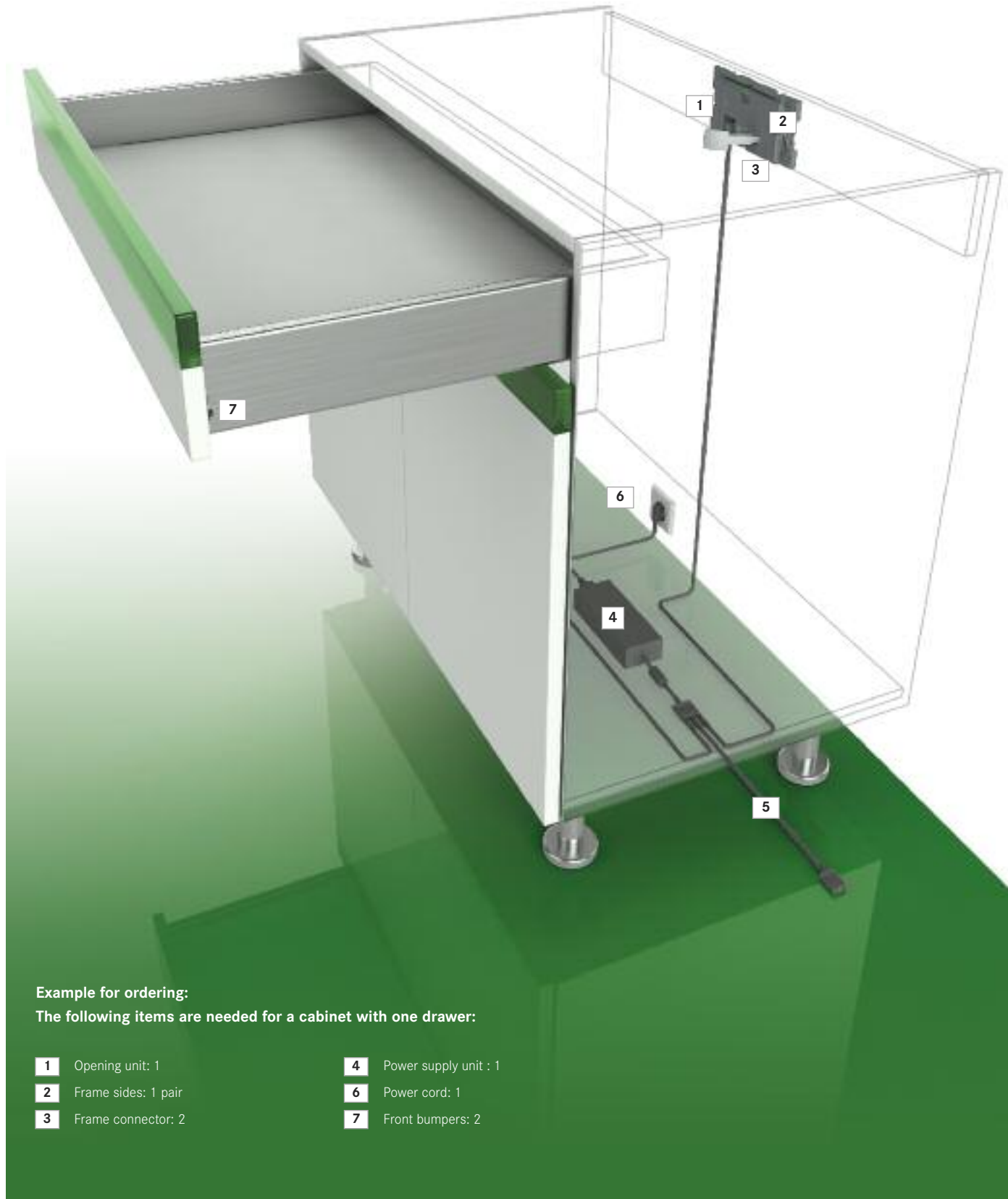
Inserting front bumper

Do not drive in or glue front bumpers.



Sensomatic

Single drawer with back panel mounting



Example for ordering:

The following items are needed for a cabinet with one drawer:

- | | |
|------------------------------|--------------------------------|
| 1 Opening unit: 1 | 4 Power supply unit : 1 |
| 2 Frame sides: 1 pair | 6 Power cord: 1 |
| 3 Frame connector: 2 | 7 Front bumpers: 2 |

1 Opening unit



	Item No.
for Nova Pro and Dynapro	F121100268607
for DWD XP	F121100409607
	PU 10

PU 10 = 10 pieces, individually packaged

2 Frame sides, including frame side cable



Frame side, pair	Item No.
for 1 Opening unit including hole drilling	F121100283207
	PU 10

PU 10 = 10 pairs

3 Frame connector



	Item No.
Frame connector	F121100282211
	PU 20

PU 20 = 20 pieces

4 Power supply unit



	Item No.
Power supply unit	F121100269607
	PU 10

PU 10 = 10 pieces, individually packaged

5 Connection cable with 2-way-adapter



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

PU 10 = 10 pieces

6 Power cord, 1.8 m [6']



	Item No.
Power cord (USA, CA)	69760-04
without plug	69767-04
	PU 10

PU 10 = 10 pieces

7 Spring-loaded front bumper



Ø 5 mm	Item No.
Front gap 2.2 mm*	F121100294223
Front gap 3 mm	F121100295223
Front gap 4 mm	F121100296223
Ø 8 mm	Item No.
Front gap 2.2 mm*	F121100297223
Front gap 3 mm	F121100298223
Front gap 4 mm	F121100299223
	PU 100

PU 100 = 100 pieces

*for Nova Pro and Dynapro

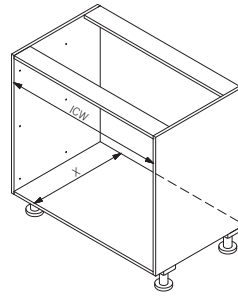
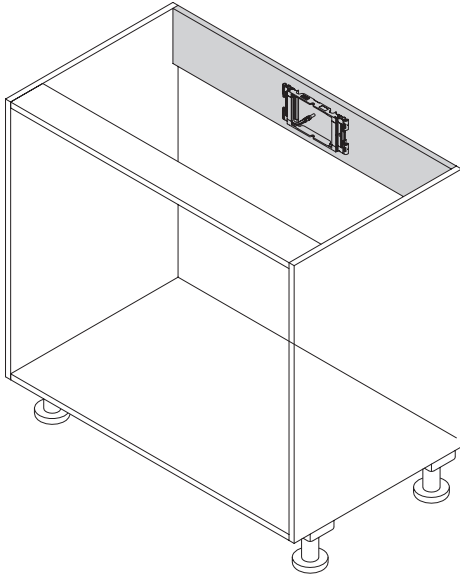
PU = Packing unit

Subject to technical modifications without notice.

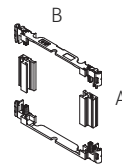
Single drawer with back mounting

Nova Pro drawer system

Overview

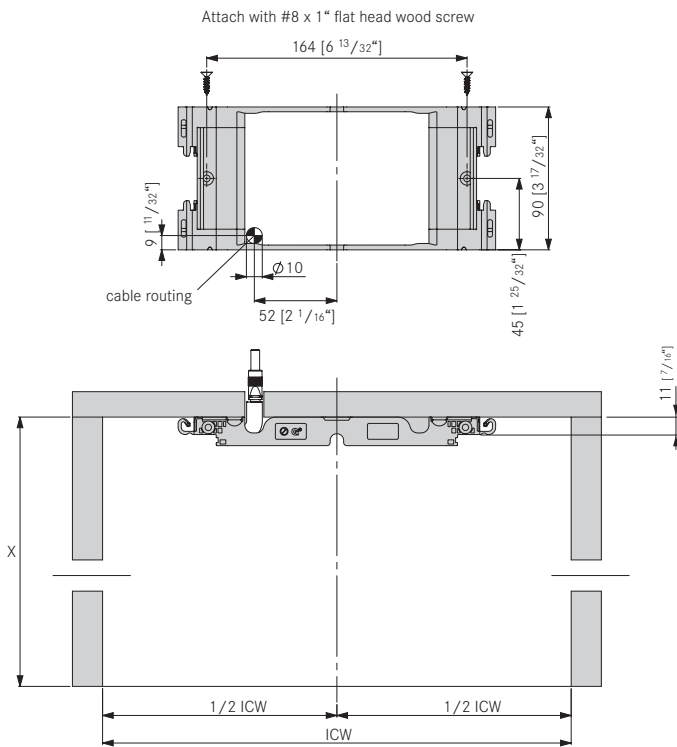


X = min. installation depth
ICW = inside cabinet width



A = Frame sides
B = Frame connector

Mounting dimensions



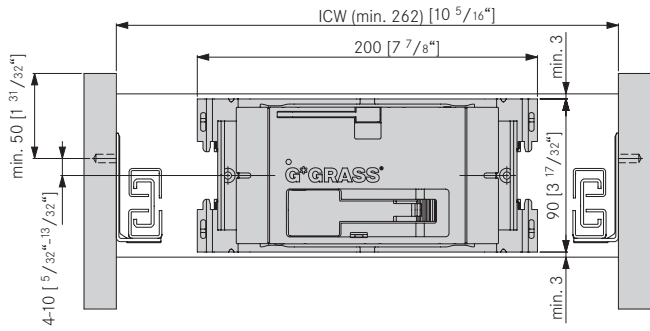
Mounting dimensions for Nova Pro X

Steel back panel	NL + 18 [23/32"]
Wood back panel	NL + 20 [25/32"] (+1)

NL = nominal length of cabinet slide

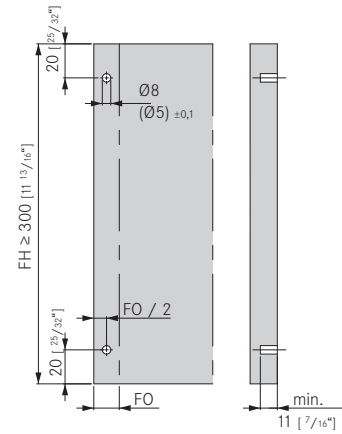
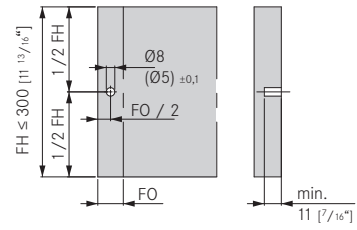
Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for Nova Pro



ICW = inside cabinet width

Position of front bumper



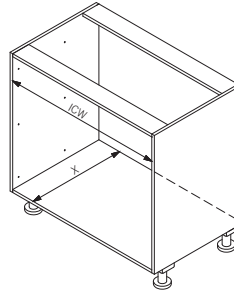
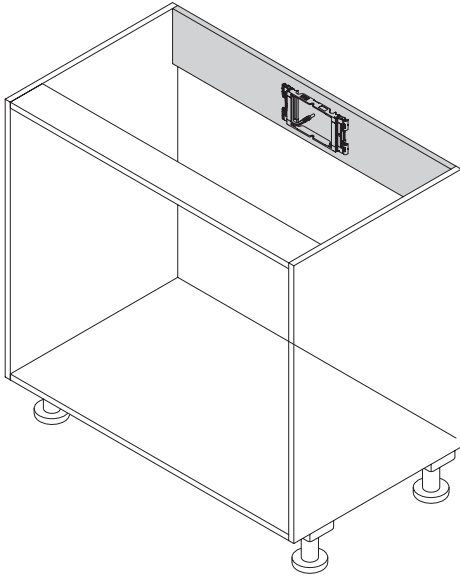
When mounting the heavy-duty slide (154 lbs.), it is necessary to insert 4 front bumpers into the drawer front.
Do not drive in or glue front bumpers.

FH = front height
FO = front overlay

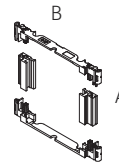
Single drawer with back mounting

DWD XP drawer system

Overview

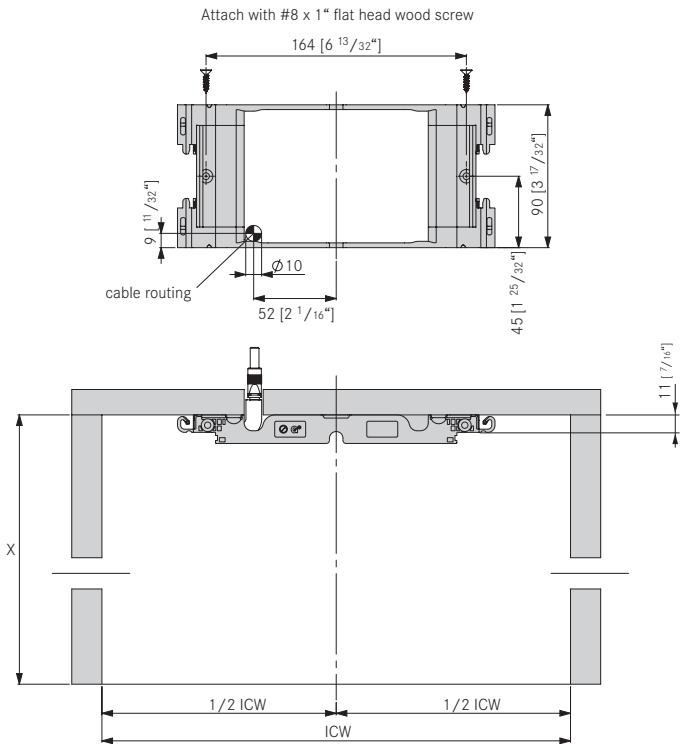


X = min. installation depth
ICW = inside cabinet width



A = Frame sides
B = Frame connector

Mounting dimensions



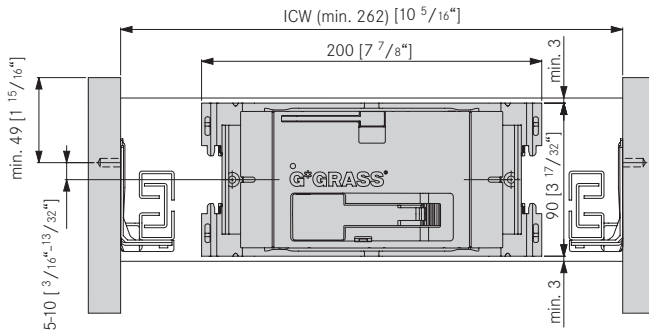
Mounting dimensions for DWD XP	X
Steel back panel	NL + 13 [1/2"]
Wood back panel	NL + 15 [1 1/32"]

NL = nominal length of cabinet slide

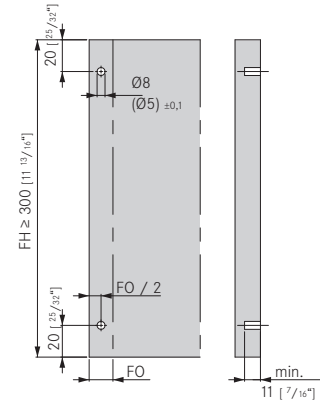
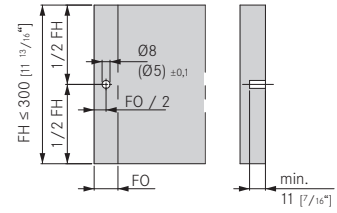
Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for DWD XP

Position of front bumper



ICW = inside cabinet width



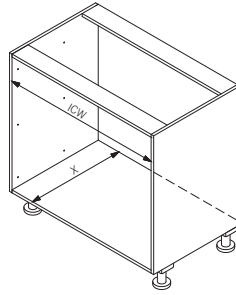
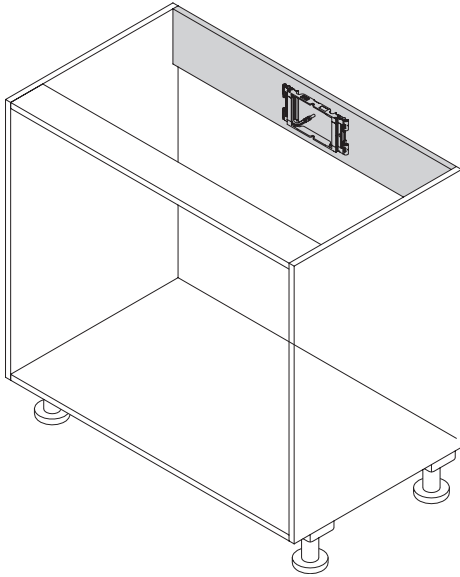
When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
FO = front overlay

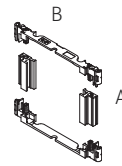
Single drawer with back mounting

Dynapro slide system

Overview

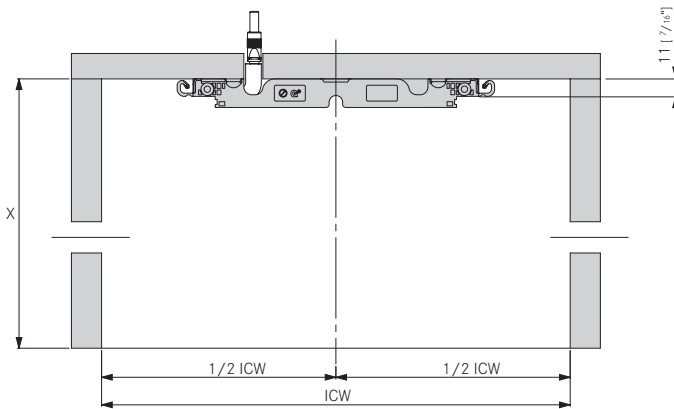
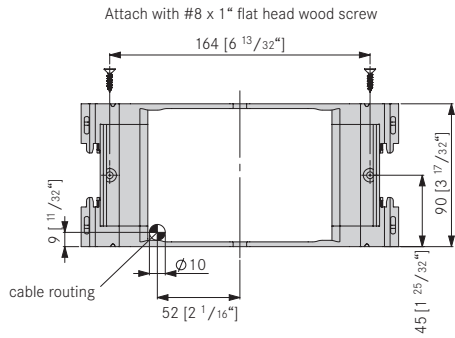


X = min. installation depth
ICW = inside cabinet width



A = Frame sides
B = Frame connector

Mounting dimensions



Mounting dimensions for Dynapro

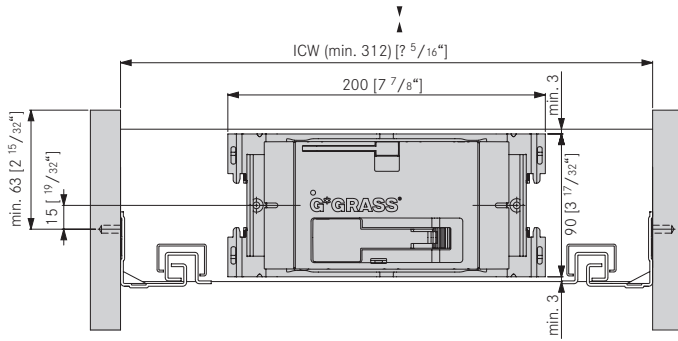
X

NL = nominal length of cabinet slide

Wood back panel

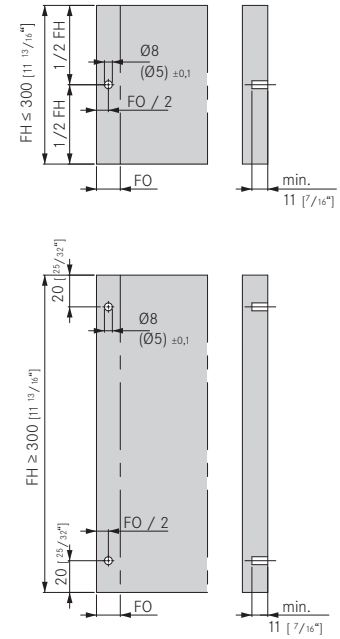
NL + 15 [1 1/2"]

Position of opening unit for Dynapro



ICW = inside cabinet width

Position of front bumper



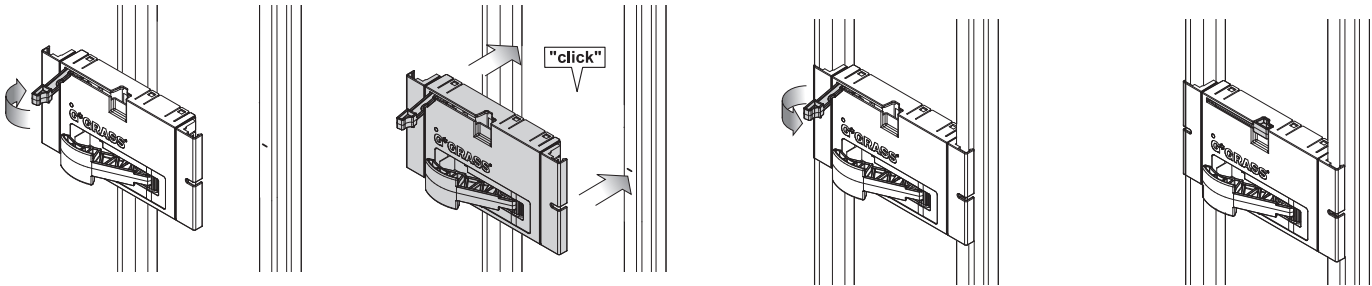
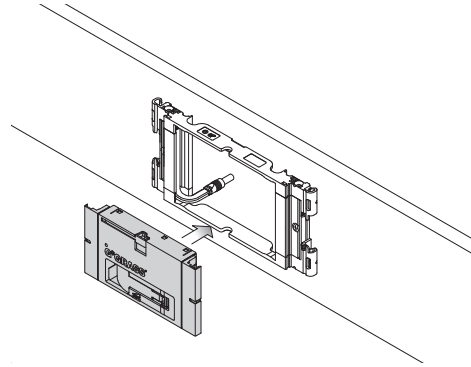
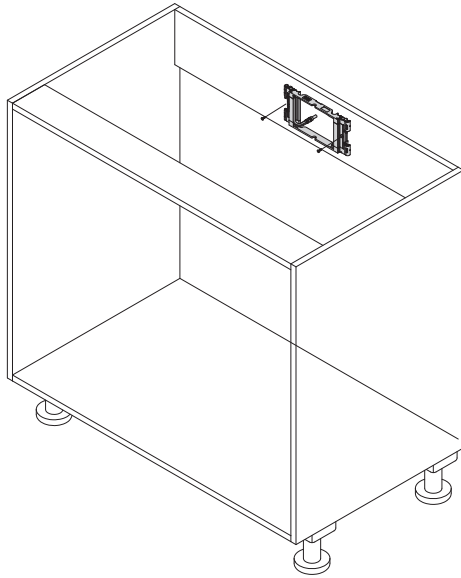
When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front.
Do not drive in or glue front bumpers.

FH = height of front
FO = front overlay

Single drawer with back mounting

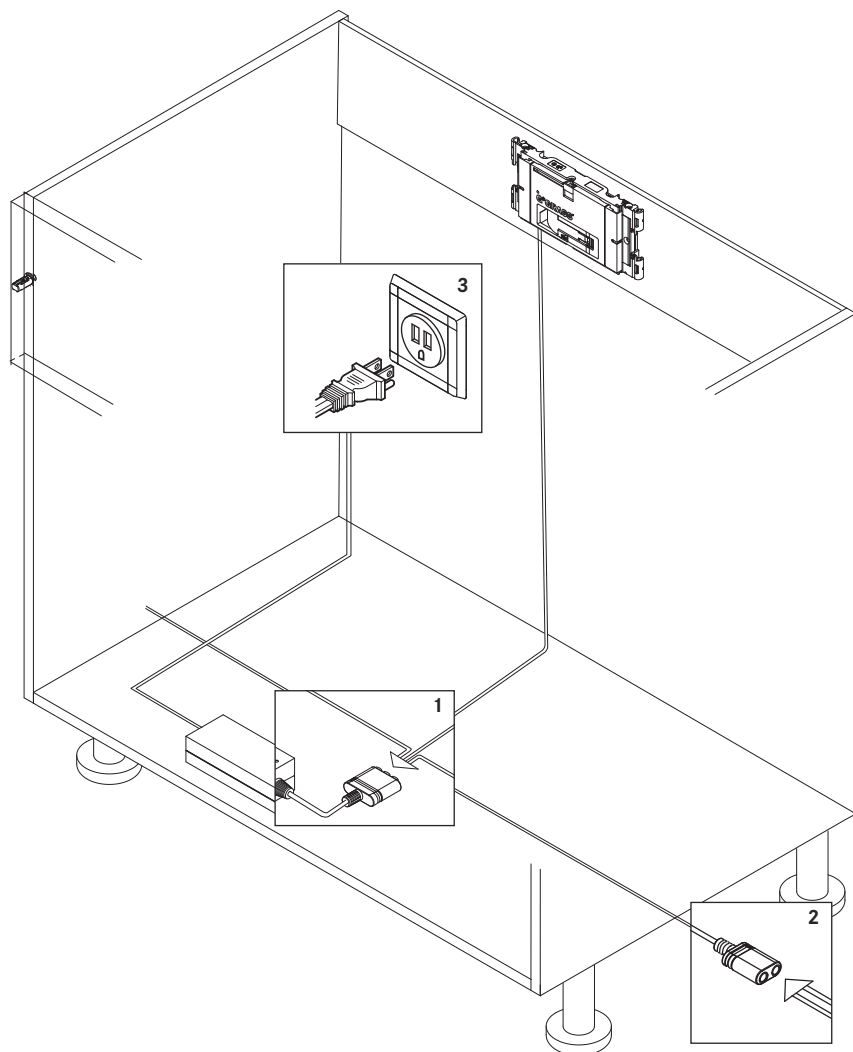
for Nova Pro, DWD XP and Dynapro

Assembling



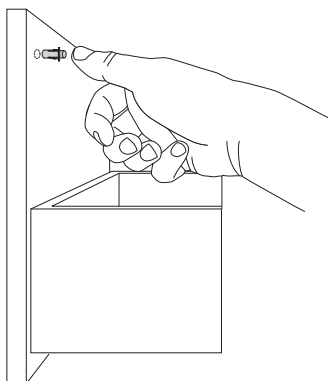
Installation in millimeters is required. (Fractional inch equivalents as noted)

Wiring



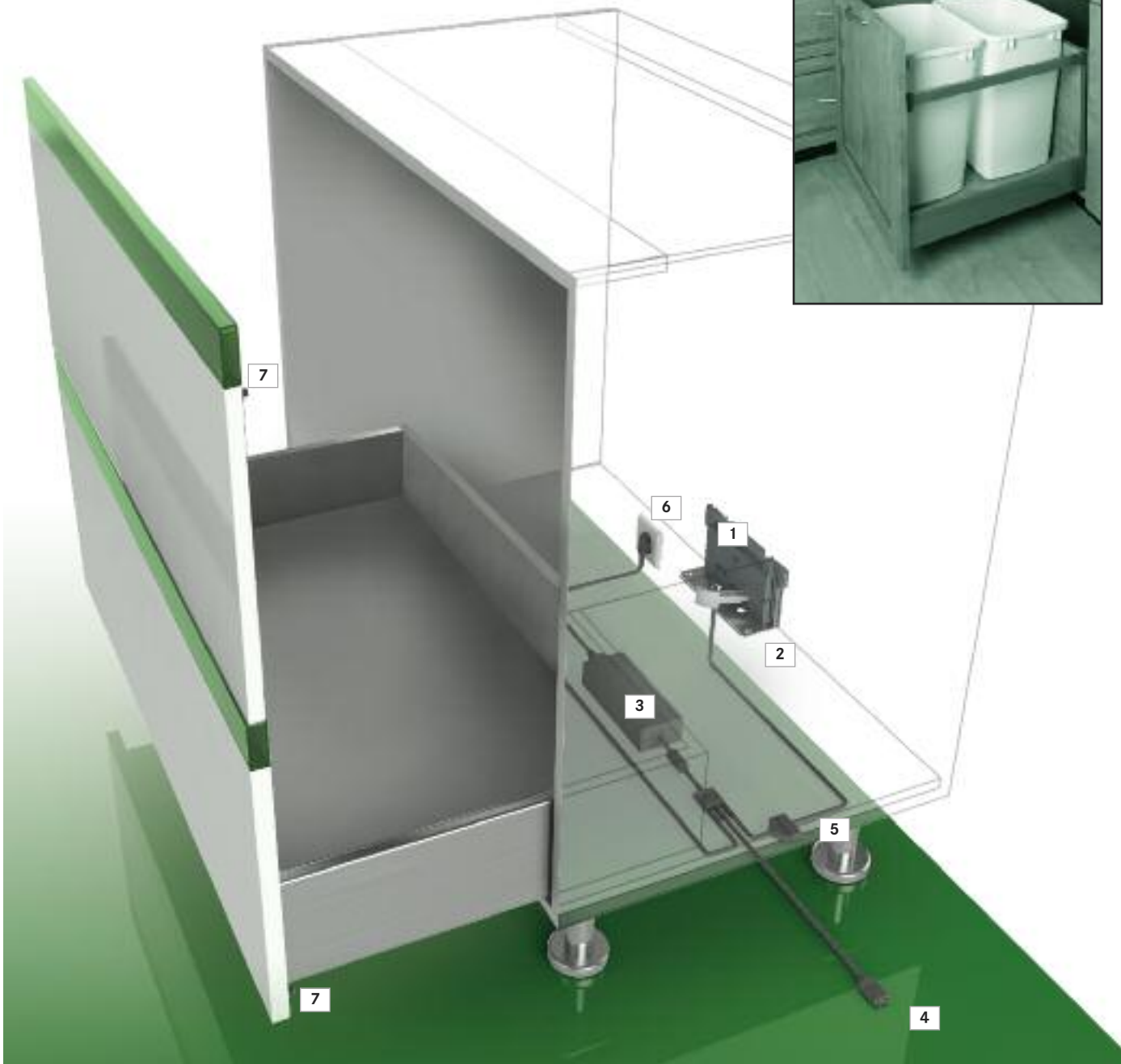
Inserting front bumper

Do not drive in or glue front bumpers.



Sensomatic

Waste bin cabinet with bottom panel frame mounting



Example for ordering:

The following items are needed for a cabinet with 1 drawer:

- | | |
|--------------------------------|---------------------------|
| 1 Opening units: 1 | 6 Power cord: 1 |
| 2 Base frame: 1 | 7 Front bumpers: 4 |
| 3 Power supply unit : 1 | |

1 Opening unit



	Item No.
for Nova Pro and Dynapro	F121100268607
for DWD XP	F121100409607
	PU 10

PU 10 = 10 pieces, individually packaged

2 Base frame



	Item No.
	F121100271207
	PU 10

PU 10 = 10 pieces

3 Power supply unit



	Item No.
Power supply unit	F121100269607
	PU 10

PU 10 = 10 pieces, individually packaged

4 Connection cable with 2-way-adapter



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

PU 10 = 10 pieces

5 4-way-adapter



	Item No.
4-way-adapter	F121100293207
	PU 10

PU 10 = 10 pieces

6 Power cord, 1.8 m [6']



	Item No.
Power cord (USA, CA)	69760-04
without plug	69767-04
	PU 10

PU 10 = 10 pieces

7 Spring-loaded front bumper



Ø 5 mm	Item No.
Front gap 2.2 mm*	F121100294223
Front gap 3 mm	F121100295223
Front gap 4 mm	F121100296223
Ø 8 mm	Item No.
Front gap 2.2 mm*	F121100297223
Front gap 3 mm	F121100298223
Front gap 4 mm	F121100299223
	PU 100

PU 100 = 100 pieces

*for Nova Pro and Dynapro

Sensomatic Kit



Kit includes:

Opening unit: 1
 Base frame: 1
 Power supply unit : 1
 Power cord: 1
 Front bumpers (F121100296223): 4

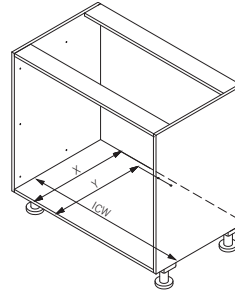
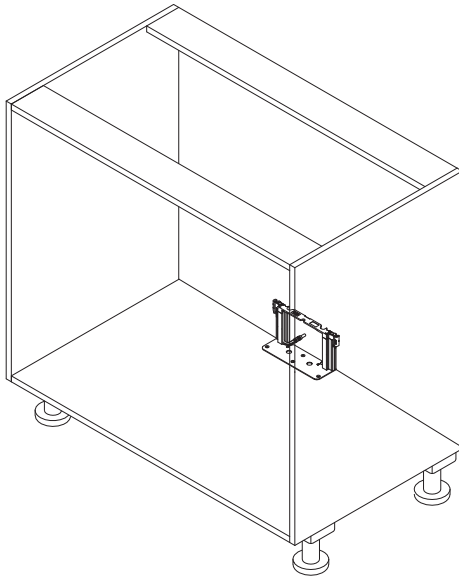
	Item No.
For Nova Pro and Dyna Pro	F121100697201
For DWD XP	F121100698201
	PU 1

PU 1 = 1 set

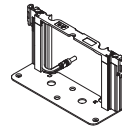
Waste bin cabinet with bottom panel frame mounting

Nova Pro drawer system

Overview

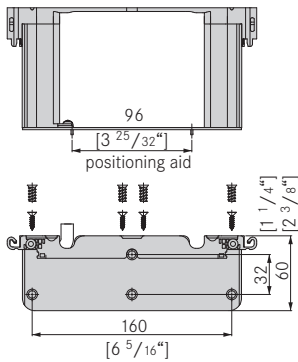


X = min. installation depth
 Y = depth of hole pattern
 ICW = internal width of cabinet

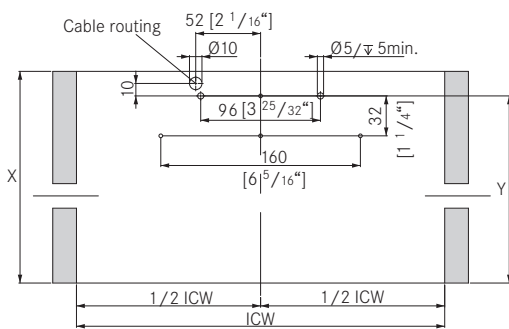


Base frame

Mounting dimensions



Base mounting

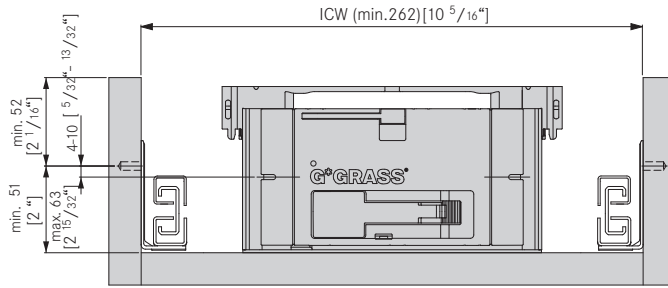


Mounting dimensions Nova Pro	X	Y
Steel back panel	NL + 18 [3 ²³ / ₃₂ "]	NL + 3 [1 ¹ / ₈ "]
Wood back panel	NL + 20 (+1) [2 ²⁵ / ₃₂ "](+1 ¹ / ₃₂ "]	NL + 5 (+1) [3 ¹⁶ / ₁₆ "](+1 ¹ / ₃₂ "]

NL = nominal length of cabinet slide

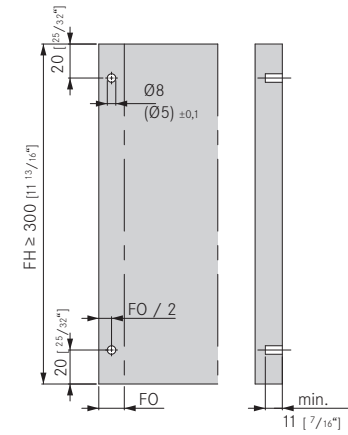
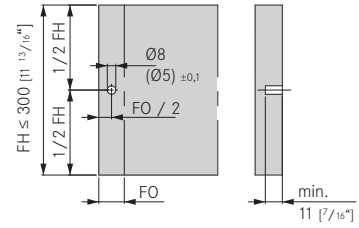
Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for Nova Pro



ICW = inside cabinet width

Position of front bumper



When mounting the heavy-duty slide (154 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

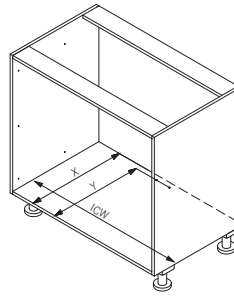
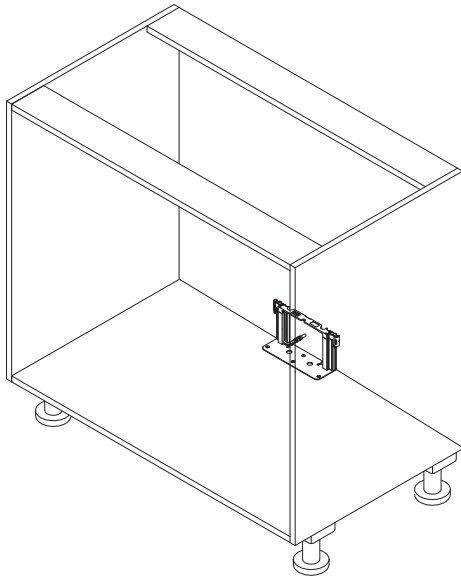
FH = front height

FO = front overlay

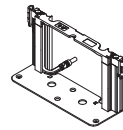
Waste bin cabinet with bottom panel frame mounting

DWD XP drawer system

Overview

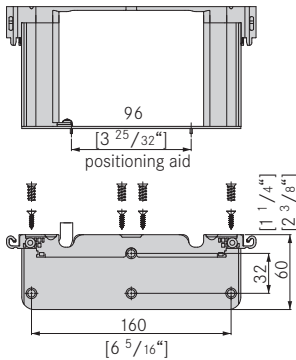


X = min. installation depth
Y = depth of hole pattern
ICW = inside cabinet width

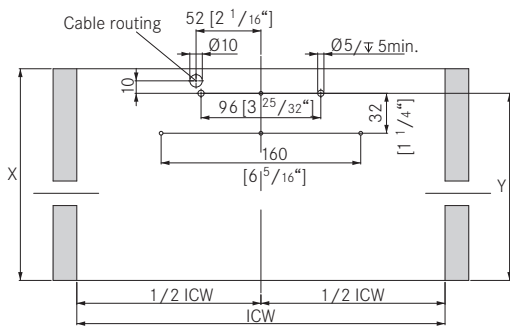


Base frame

Mounting dimensions



Base mounting



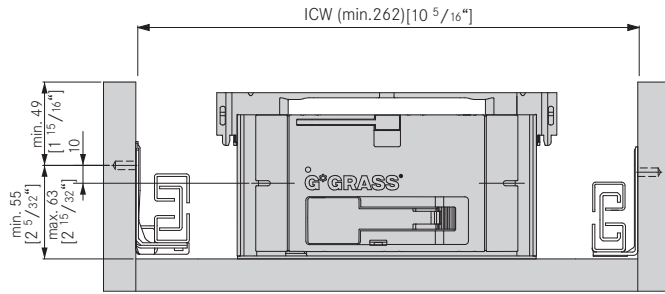
Mounting dimensions DWD XP

	X	Y
Steel back panel	NL + 13 [1/2"]	NL - 2 [3/32"]
Wood back panel	NL + 15 [19/32"]	NL

NL = nominal length of cabinet slide

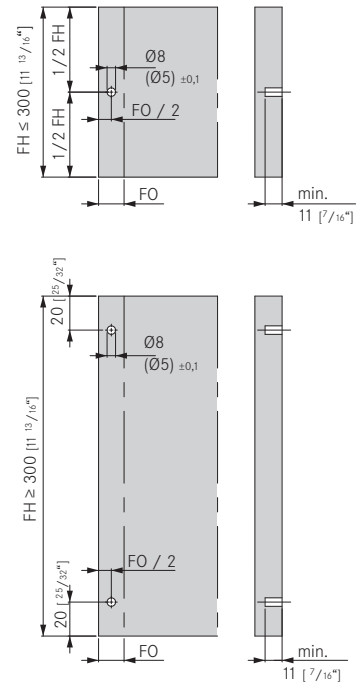
Installation in millimeters is required. (Fractional inch equivalents as noted)

Position of opening unit for DWD XP



ICW = inside cabinet width

Position of front bumper



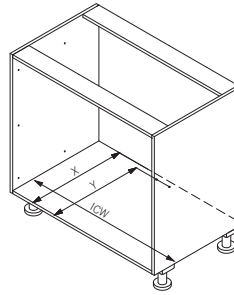
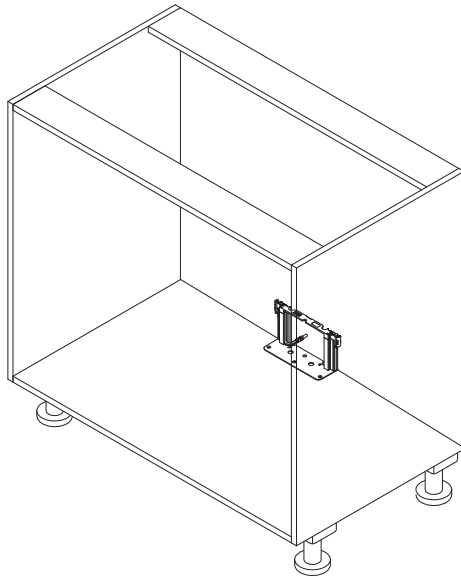
When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

FH = front height
FO = front overlay

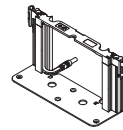
Waste bin cabinet with bottom panel frame mounting

Dynapro slide system

Overview

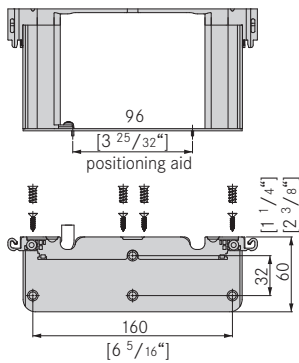


X = min. installation depth
Y = depth of hole pattern
ICW = inside cabinet width

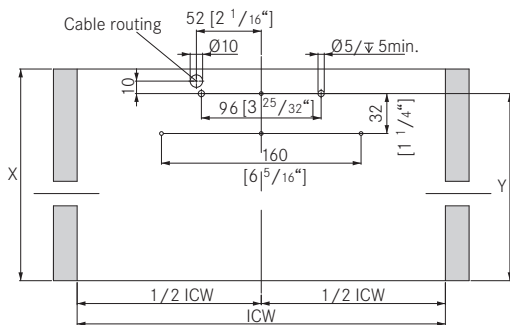


Base frame

Mounting dimensions



Base mounting

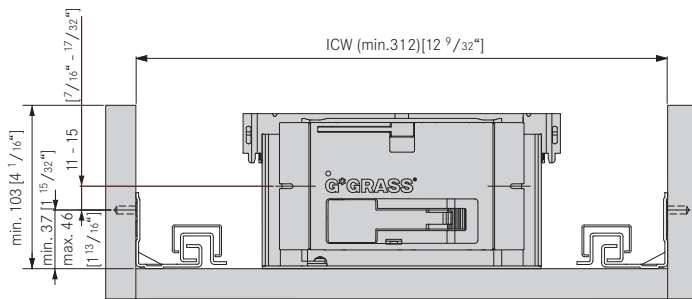


Assembly dimensions for Dynapro

	X	Y
Wood back panel	NL + 15 [1 1/32"]	NL

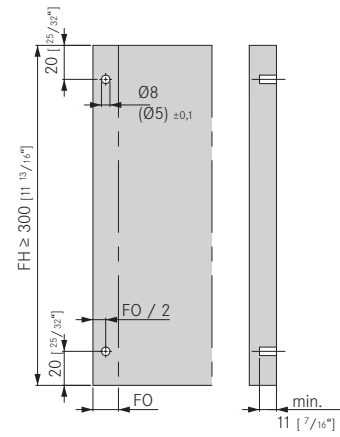
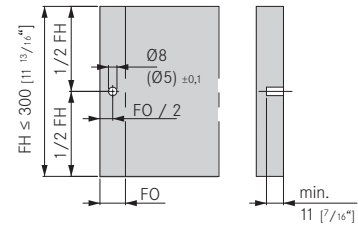
NL = nominal length of cabinet slide

Position of opening unit for Dynapro



ICW = inside cabinet width

Position of front bumper



When mounting the heavy-duty slide (135 lbs.), it is necessary to insert 4 front bumpers into the drawer front. Do not drive in or glue front bumpers.

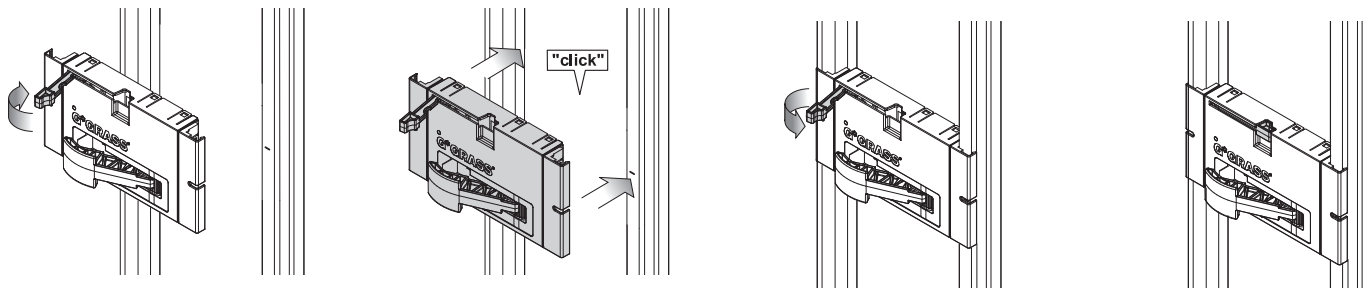
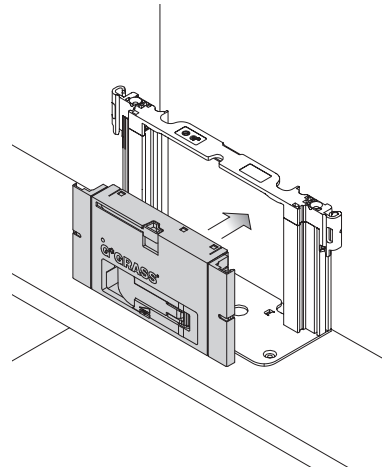
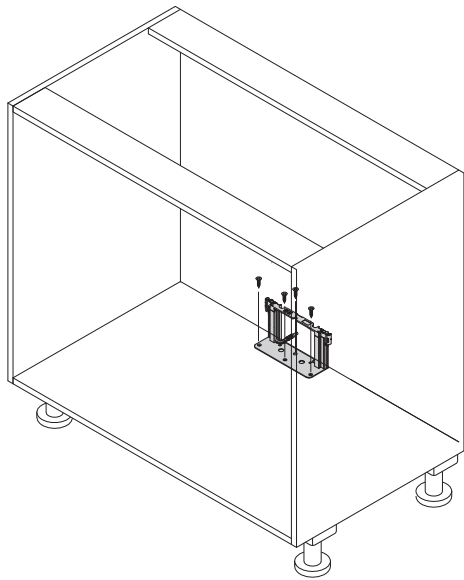
FH = front height

FO = front overlay

Waste bin cabinet with bottom panel frame mounting

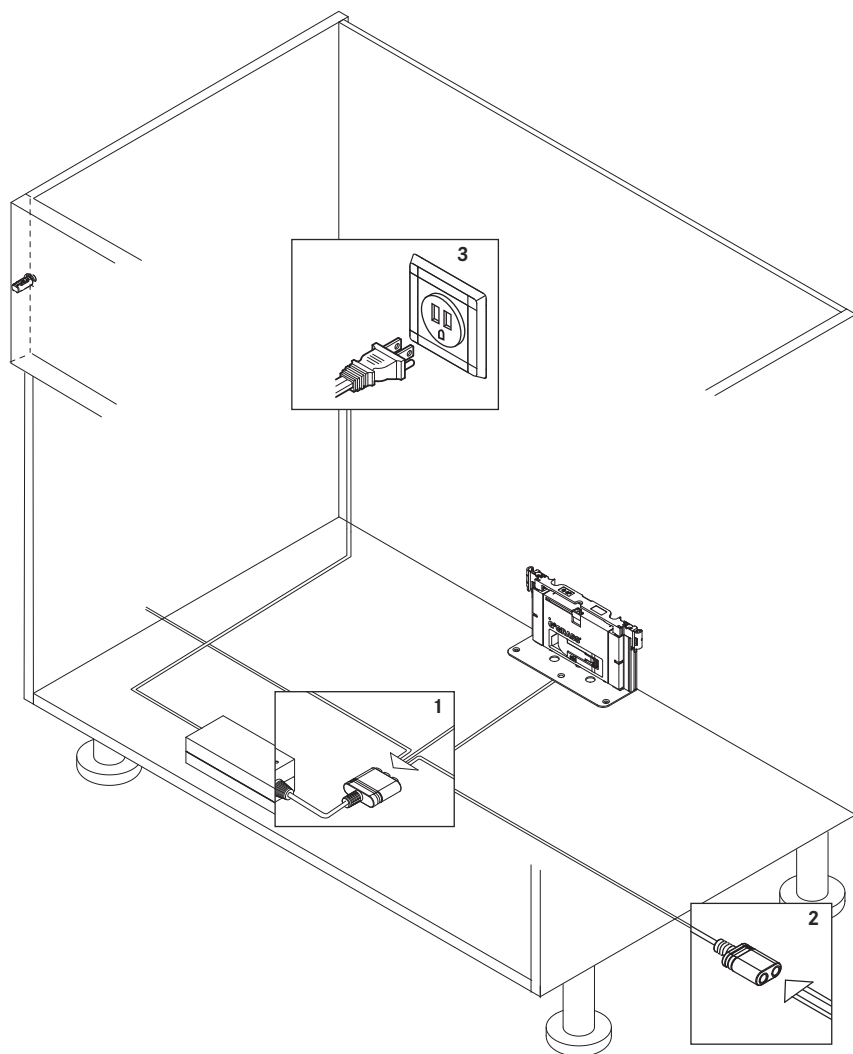
Nova Pro, DWD XP and Dynapro

Assembly



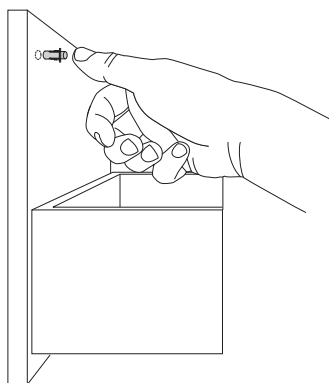
Installation in millimeters is required. (Fractional inch equivalents as noted)

Wiring



Inserting front bumper

Do not drive in or glue front bumpers.



Accessories

Synchronization cable



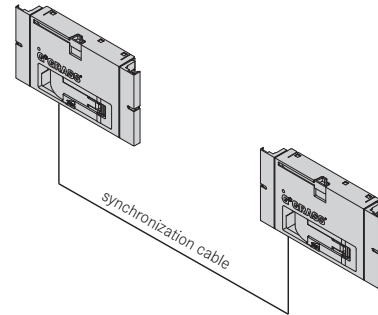
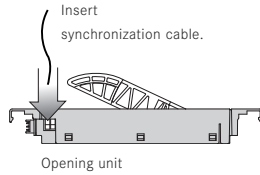
Strip synchronization cable.



	Item No.
10 m [32' 3/8"]	F121100287207
	PU 10

PU 10 = 10 pieces

Up to three opening units can be activated at the same time if they are connected using the synchronization cable.



4-way-adapter



	Item No.
4-way-adapter	F121100293207
	PU 10

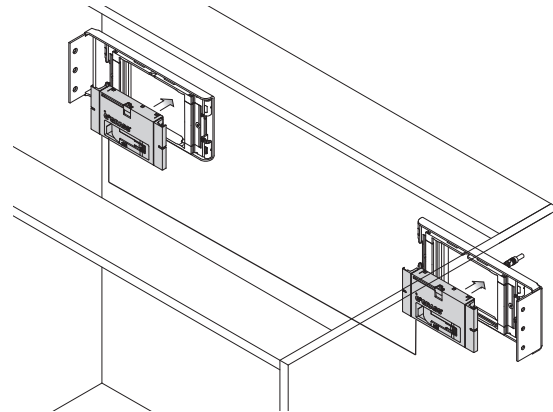
PU 10 = 10 pieces

Side frame mount bracket for wide drawers



	Item No.
side mount bracket	F121100274207
	PU 10

PU 10 = 10 pieces

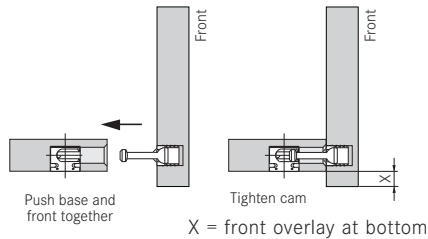
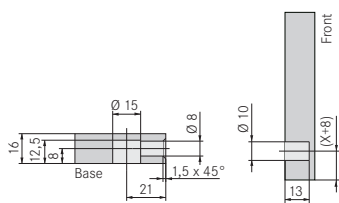


Front-bottom connector for wide drawers



	Item No.	Item No.
front-bottom connector	26744-38	26744-09
	PU 10	PU 100

PU 10 = 10 pieces, PU 100 = 100 pieces



For a cabinet width of 900 mm [35"] and above, Grass recommends the use of a front/bottom connector.

For a cabinet height of 450mm [18"] and above, the front bottom connector is recommended.

Drilling template



	Item No.
Drilling template	F146109850299
	PU 10

PU 10 = 10 pieces





The perfect combination.
Senomatic, the electro-mechanical opening system
combined with the Soft-close drawer closing action.

G*GRASS®





SENSOMATIC OPENING SYSTEM

FOR NOVA PRO, DWD XP, AND DYNAPRO



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E-Mail: info@grassusa.com

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Fax 1-416-335-5907

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

www.grassusa.com