GRASS®

NOVA PRO SCALA DRAWER SYSTEM

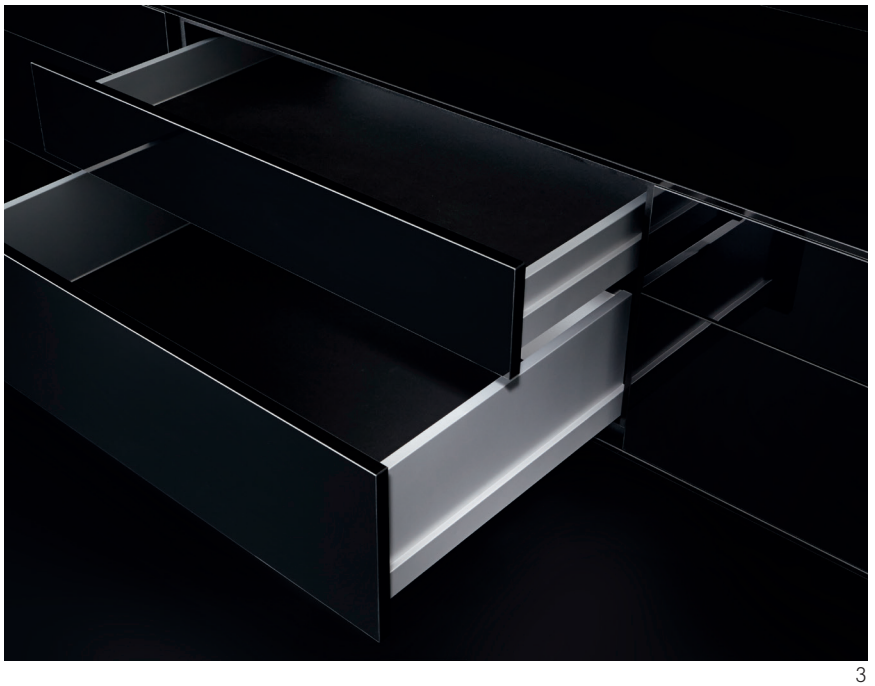
Inspiration in the right angle.
Simple. Clear. Timeless.

Nova Pro was the original. Nova Pro Scala is a step into the future.

Over the years, Nova Pro has become synonymous with double-wall drawer systems.

Proven a million times over in practical use, this drawer system remains unparalleled in terms of quality, stability, and running performance. True to its predecessors' reputation, Nova Pro Scala is designed flawlessly down to the last detail with a performance that exceeds all other drawer systems.

With Nova Pro Scala, an integrated drawer concept was developed as a design and functional solution to meet a wide range of requirements for various markets. Every customer is different, pursues their own philosophy, and has individual requirements, ideas, and needs. Thanks to its modular versatility, Nova Pro Scala can satisfy these varied requests. Whether contemporary or classical, Nova Pro Scala offers each customer a functional, added value product which turns the act of opening and closing drawers into an artistic experience.



NOVA PRO SCALA DRAWER SYSTEM

Versatile. Creative. Concealed.
Nova Pro Scala epitomizes exceptional ease of opening, outstanding running performance, and impressive Soft-closing action.

The outstanding features of the Nova Pro Scala are impressive. The timeless design has an elegant, slim edge that never interrupts the drawer's outline. The construction of the interior double-wall sides offers optimum space utilization with the 90° inside surface.

With a wide range of options in colors, heights, and lengths the Nova Pro Scala is able to satisfy the most discerning of cabinet manufacturers. Three stunning colors in the popular shades of Silver, Stone, and Ice are elegant and represent the modern design of cabinetry. The drawer side heights are offered in 63mm and

90mm as well as deep drawers with heights of 186mm and 250mm. The deep drawers add a new element of variety when working with the system. Other options for a deep drawer are the rectangular railings that have long been a classic solution for adding height to a drawer.

For Nova Pro Scala, a new rectangular railing system has been developed that optimizes all components of the system and has been restyled to create a harmonized look. From the front bracket to the back-panel connector, everything is aligned, snug, and coordinates to provide an elegant impression.

For interior organization, Nova Pro Scala offers the Tavinea Optima system. Both systems are made of steel and have the same powder coating characteristics so that the Tavinea Optima coordinates perfectly with the Nova Pro Scala. The Tavinea Optima system is simple with two frame elements and one divider rail to create the organization you need.

The opening and closing systems that are synonymous with Grass are also present in the Nova Pro Scala. The Soft-close action gently slows the drawer and pulls it to the fully closed position. The Tipmatic Soft-close opening system combines

the advantages of the mechanical opening mechanism with the comfort of the Soft-close damping system. With the push-to-open mechanism, it is possible to incorporate large fronts without handles which open at the lightest touch. With Sensomatic's automatic touch-sensitive function, a gentle push is enough to start the movement of the Nova Pro Scala drawers while a second gentle push closes the drawer with the same smooth action.

Nova Pro Scala

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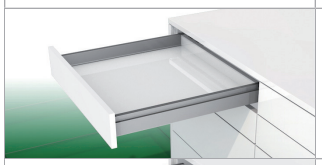
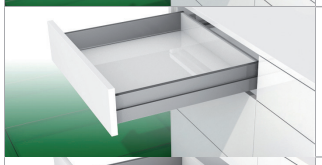
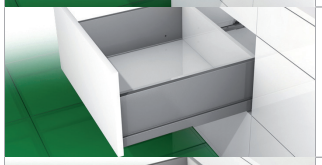
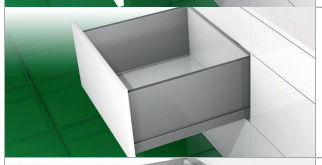
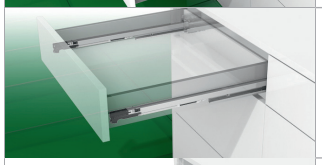
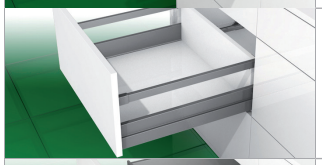
	**Shallow Drawer H63** • Height 63mm (2 1/2") • Integrated 2-dimensional adjustment • Soft-close	• Height adjustment (max ±2.0mm via cam) • Side adjustment (max ±1.5mm)	12
	**Standard Drawer H90** • Height 90mm (3 1/2") • Integrated 2-dimensional adjustment • Soft-close	• Height adjustment (max ±2.0mm via cam) • Side adjustment (max ±1.5mm)	14
	**Deep Drawer H186** • Height 186mm (7 5/16") • Integrated 3-dimensional adjustment • Soft-close	• Height adjustment (max +2.0mm via cam) • Side adjustment (max ±1.5mm) • Tilt adjustment (max +2.0mm)	16
	**Deep Drawer H250** • Height 250mm (9 13/16") • Integrated 3-dimensional adjustment • Soft-close	• Height adjustment (max ±2.0mm via cam) • Side adjustment (max ±1.5mm) • Tilt adjustment (max +2.0mm)	18
	**Nova Pro Cabinet Members** • Full extension • Integrated Soft-close		20
	Tipmatic Soft-close • Tool free assembly • Works with all Nova Pro Scala lengths and heights		22
	**Nova Pro Scala Rectangular Railing** • Complete set packaging • Simple installation		24
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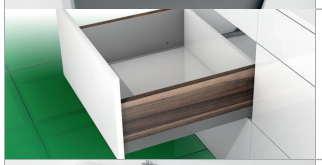	**Designer Options** • Magnetic adhesive tape for custom made panels		28
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Features and Benefits

Nova Pro Scala

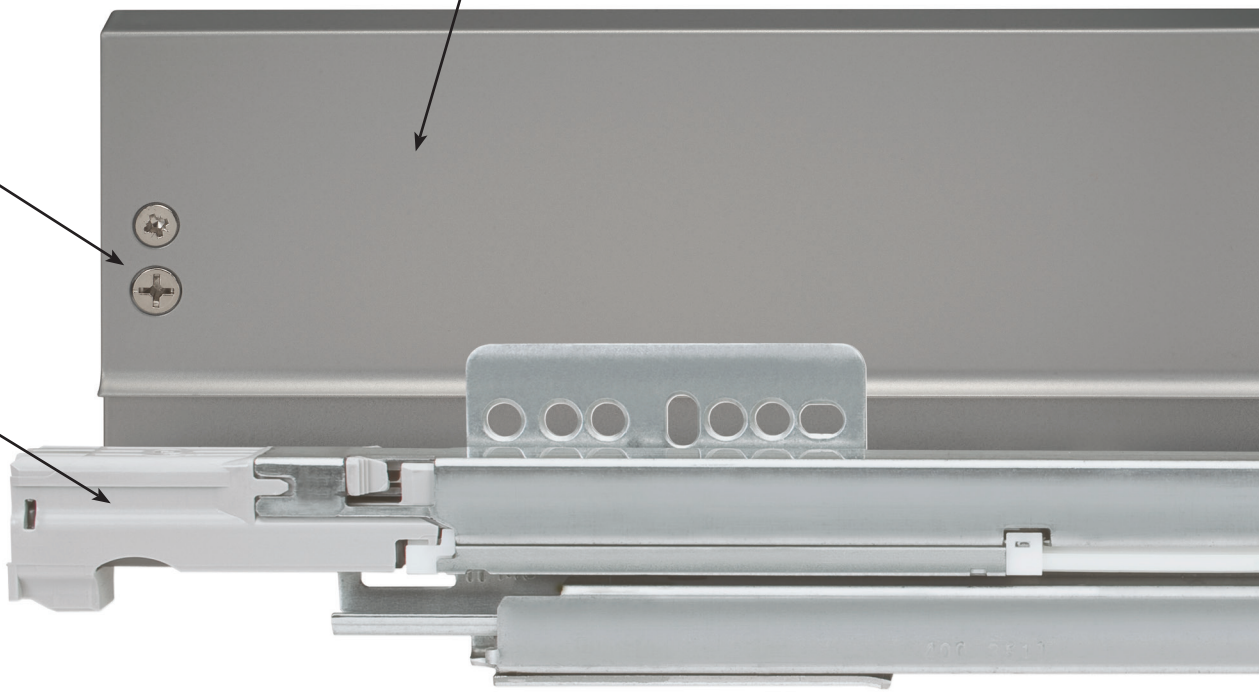
Features

- Elegant continuous design formed from a single piece of high quality steel
- Synchronized full extension drawer slide
- Smooth Soft-closing action with state-of-the-art soft-close technology
- Drawer front can be installed or removed without the use of tools
- Works with Tipmatic Soft-close and Sensomatic touch-to-open systems
- Width of the bottom and back panel is the same
- 2 and 3 dimensional adjustments

Double wall drawer construction
in a single piece

Height adjustment
± 2mm

Integrated Soft-close damper



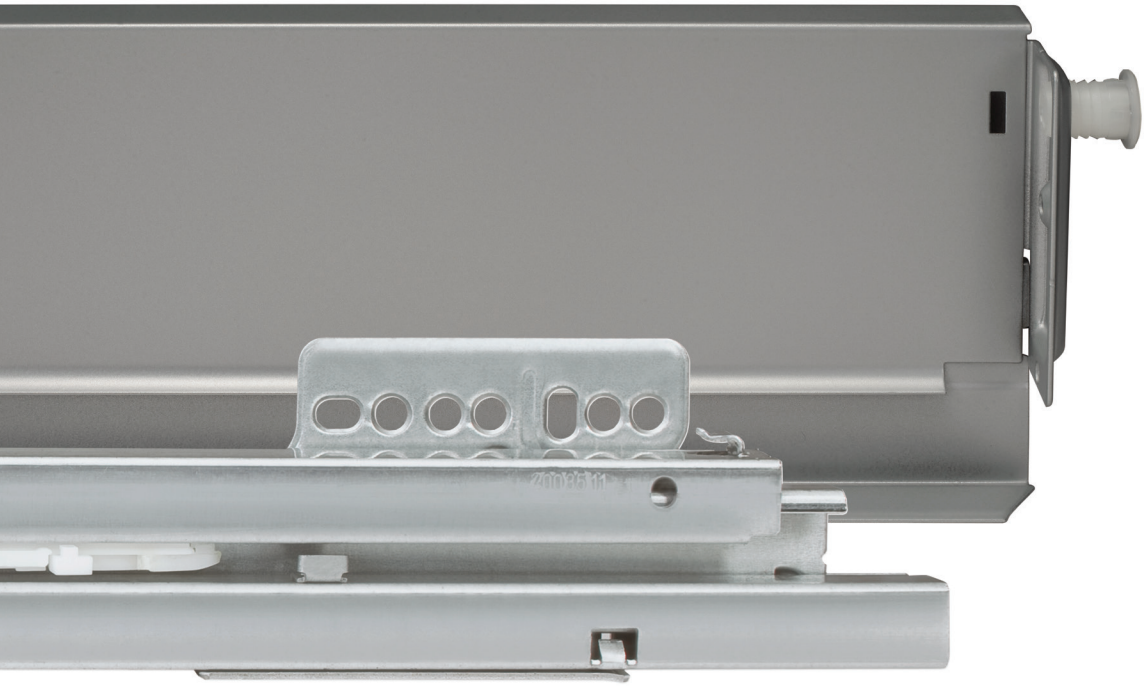
Optimum space
with 90° inside surface

Side adjustment via lever
± 1.5mm

Designer Options
with rectangular railing and custom side panels

Features

- Vertical interior walls for optimum use of interior space
- Available in Silver, Stone, and Ice finishes
- Drawer side heights of 63mm, 90mm, 186mm, 250mm
- Carrying load ratings offered in 88 lb and 154 lb capacities
- Interior organization possible for deep drawers
- Side and divider railing available for all drawer heights
- Designer panels can be added to offer new design possibilities
- Sink back panel holder designed for use underneath sink drain trap
- Assembly aids for easy installation
- Works with Sensomatic (see Online Nova Pro Scala catalog)
- Tilt adjustment on 186mm and 250mm deep drawers



Tipmatic Soft-close
for handle free drawers

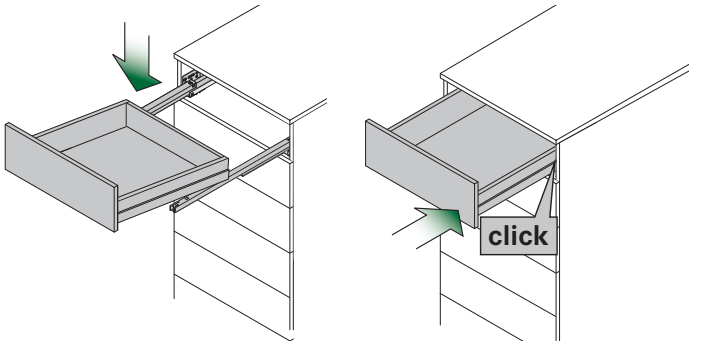
Tavinea Optima
Dividing system for drawer organization

Technical Information

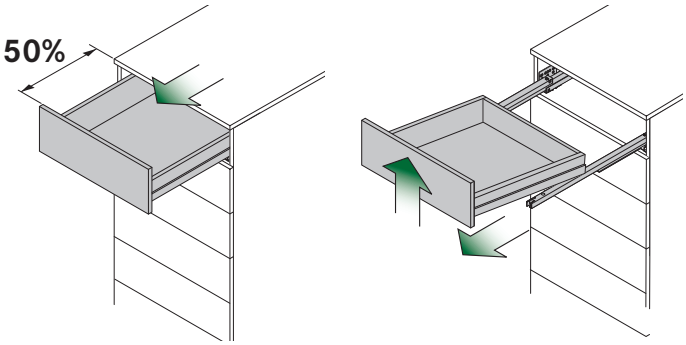
Nova Pro Scala

Inserting Drawer

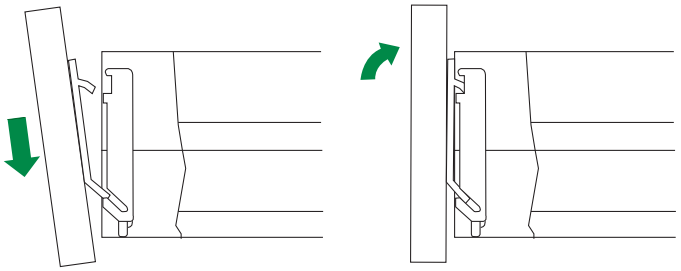
Place drawer on extended Nova Pro slide and push in until it engages audibly



Removing Drawer

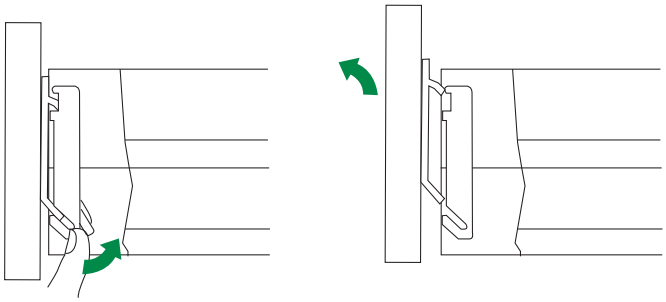


Drawer Front Assembly



Front Assembly

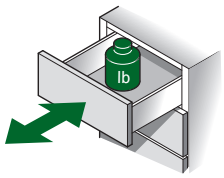
1. Angle the front panel with the installation hooks into the lower slanted slot (0-positioning with the installation hooks).
2. Tilt the front in and...
3. Press down.



Front Removal

1. Press the lever
2. Remove front panel.

Weight Capacities per Pair of Slides

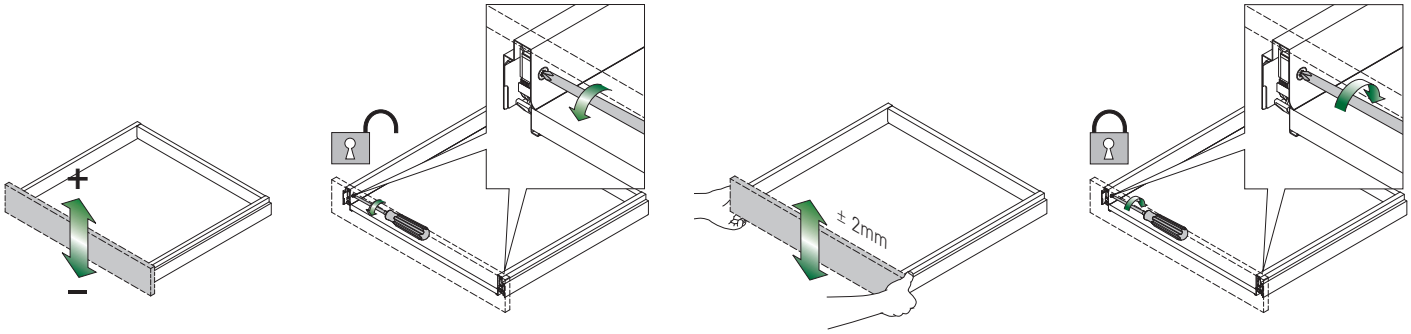


Nova Pro Scala is available in two load ratings: **88 lb and 154 lb dynamic load rating**

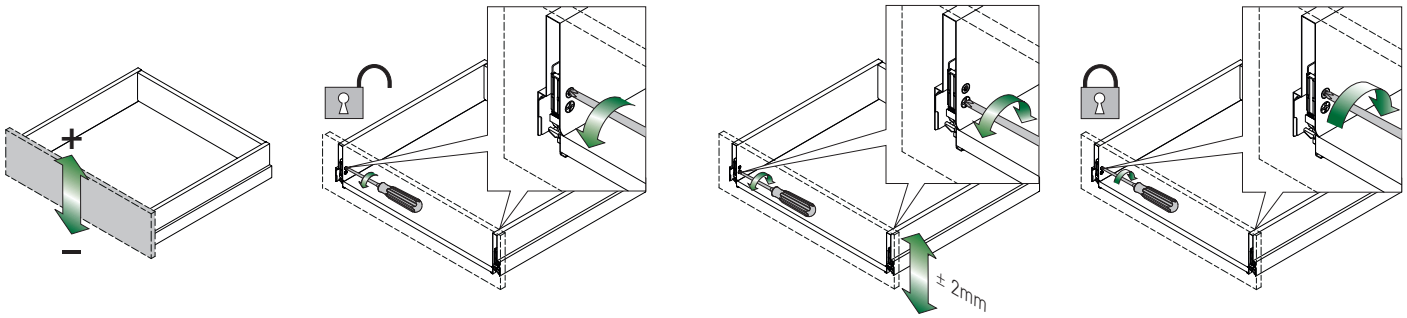
Nova Pro Scala meets and exceeds the minimum requirements of ANSI/BHMA A156.9 Standard, Grade 1

Height Adjustment ±2mm

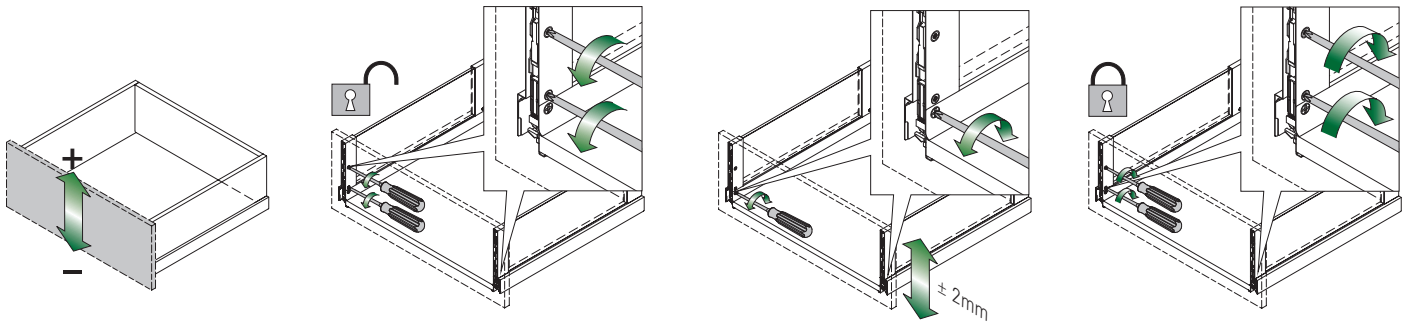
H63



H90



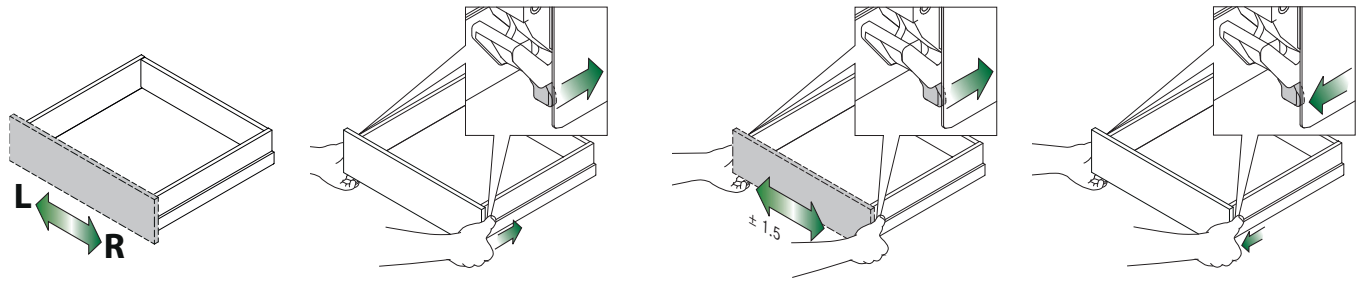
H186 & H250



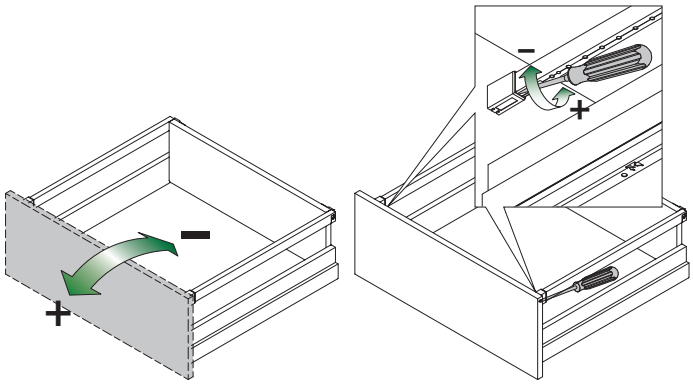
Technical Information

Nova Pro Scala

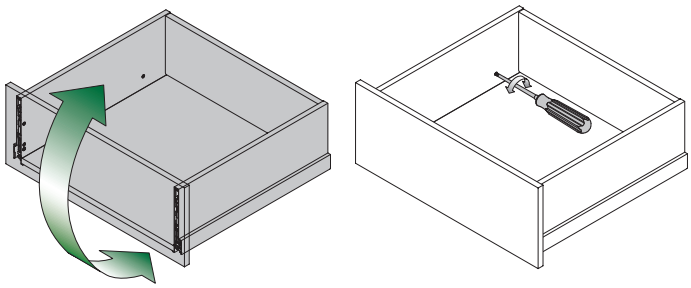
Side Adjustment ±1.5mm



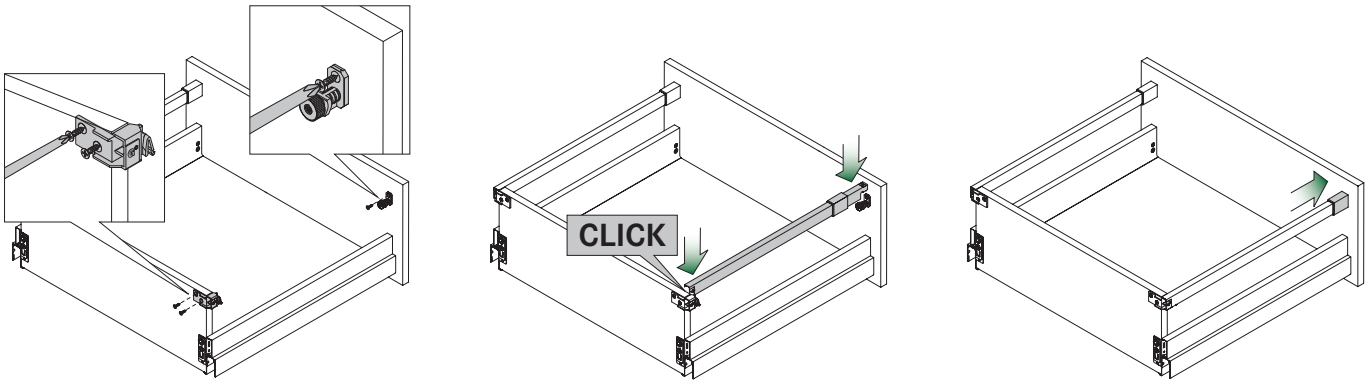
Tilt Adjustment - H90 with Rectangular Railing



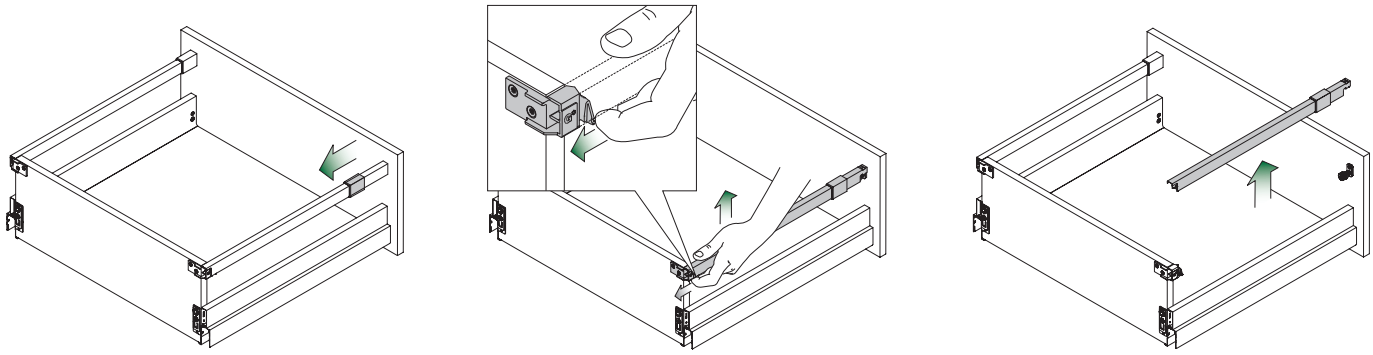
Tilt Adjustment - H186 and H250 +2mm



Rectangular Railing Installation

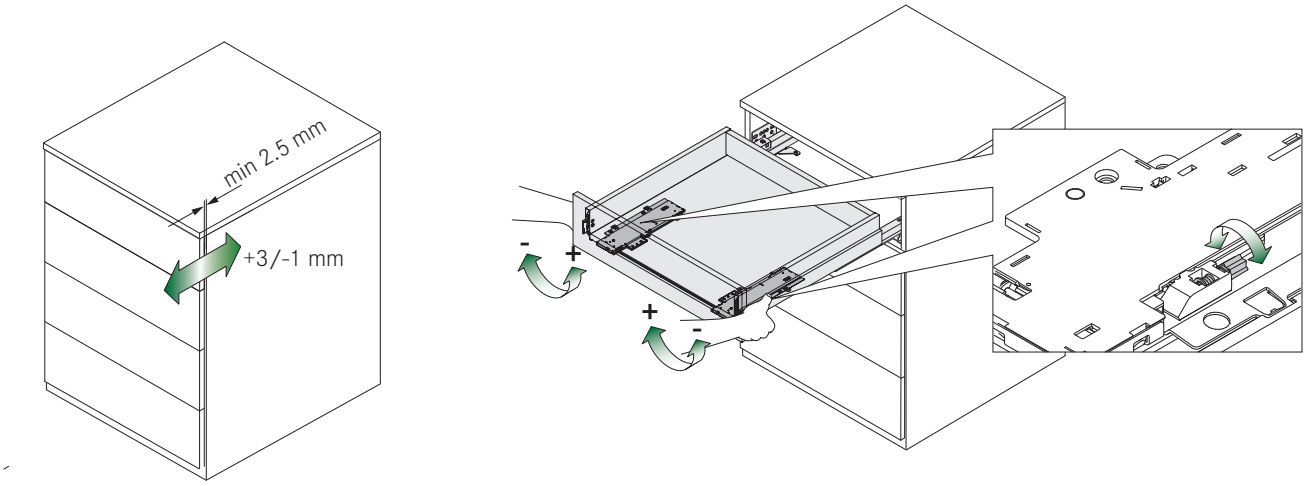


Rectangular Railing Dismounting

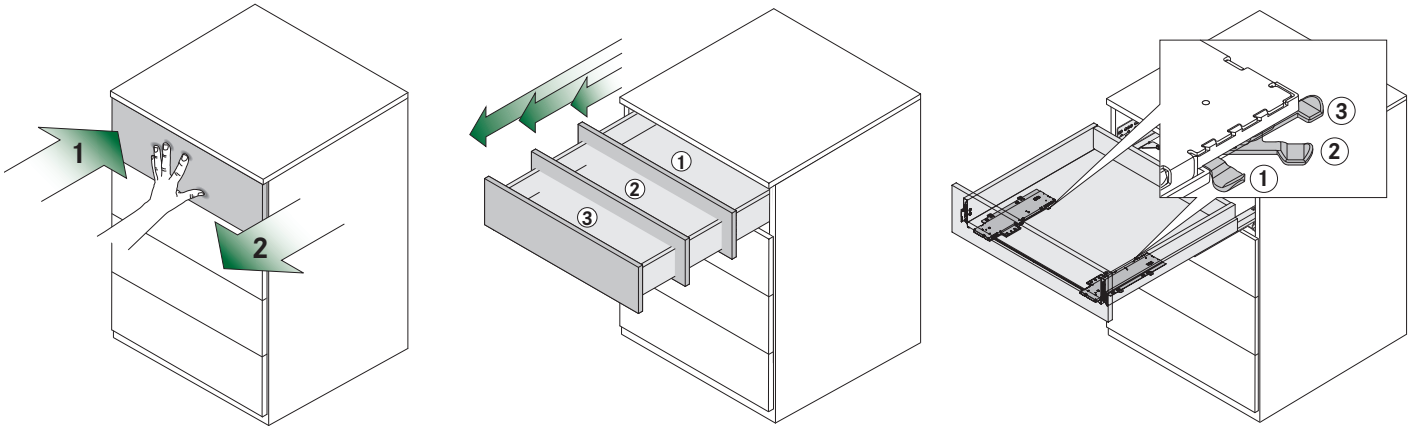


Tipmatic Soft-close Installation and Adjustment

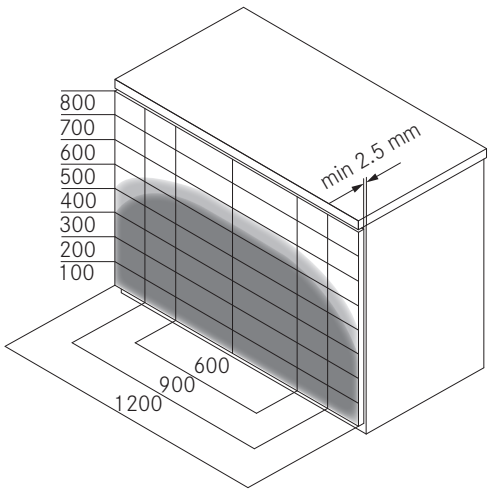
Front Gap Adjustment (+3mm/-1mm)



Opening Force Adjustment



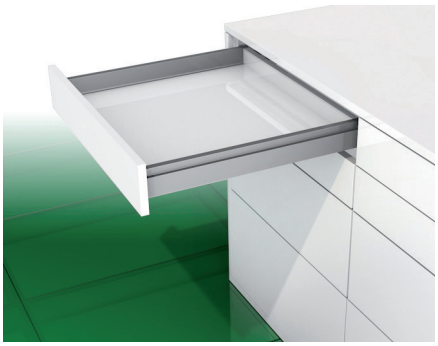
Tipmatic Activation Range



All measurements are in millimeters

Nova Pro Scala, Shallow Drawer

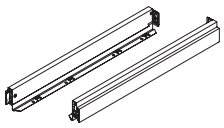
H63 Series - 63mm (2 1/2") side height drawer system



- Extremely shallow drawer for limited heights
- Full extension for maximum access to drawer contents
- Integrated height and side adjustment
- Compatible with Tipmatic Soft-close
- Tool-free drawer front removal and installation
- Available load capacities: 88 lb (40kg) and 154 lb (70kg) dynamic
- Fully-synchronized slide technology
- Soft-close damping system

Drawer Member Set

A



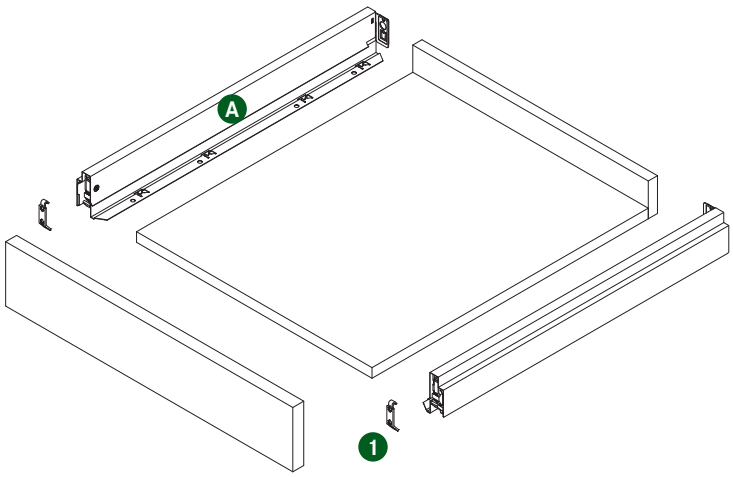
	Description	Slide Length	Item No. Stone	Item No. Ice	Item No. Silver	PU
A	Nova Pro Scala H63/400 Drawer Member Set	400 (16")	**F100**103**009**211	**F100**103**036**211	**F100**103**063**211	10
	Nova Pro Scala H63/450 Drawer Member Set	450 (18")	**F100**103**012**211	**F100**103**039**211	**F100**103**066**211	10
	Nova Pro Scala H63/500 Drawer Member Set	500 (20")	**F100**103**015**211	**F100**103**042**211	**F100**103**069**211	10
	Nova Pro Scala H63/550 Drawer Member Set	550 (22")	**F100**103**018**211	**F100**103**045**211	**F100**103**072**211	10

Front Brackets

1

	Description	Item No.	PU
1	Screw-on H63 Bracket	**F102**038**330**123	100
	Dowelled H63 Bracket, 10mm	**F102**038**331**123	100

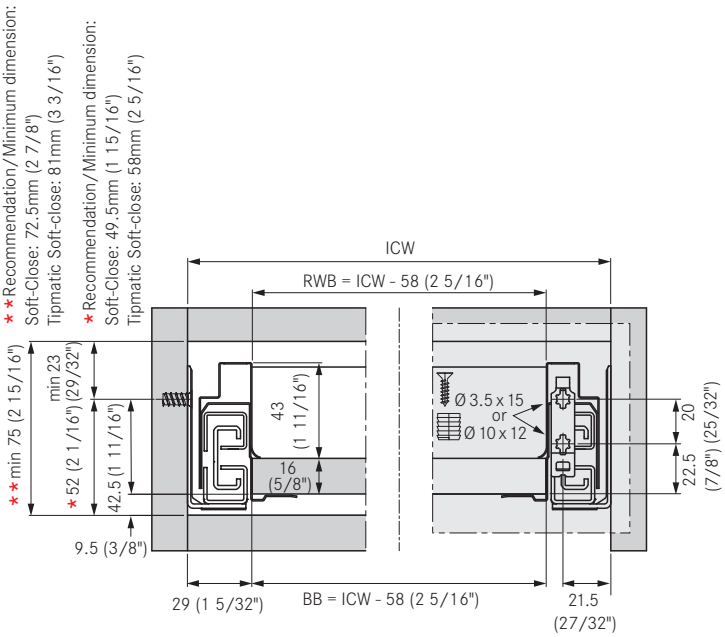
Note: Two brackets are required per drawer



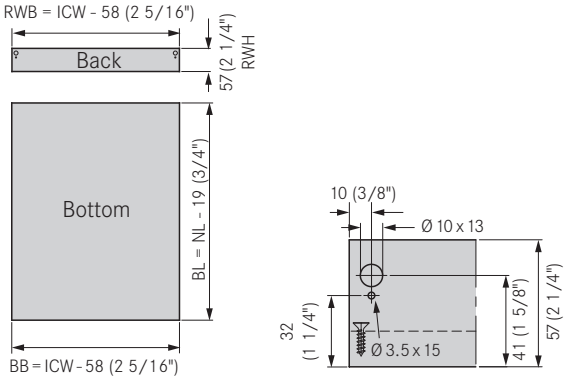
PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

Drawer Installation Dimensions



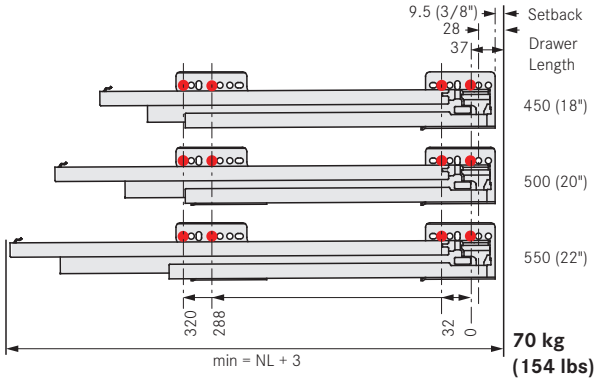
Drawer Back and Bottom Measurements

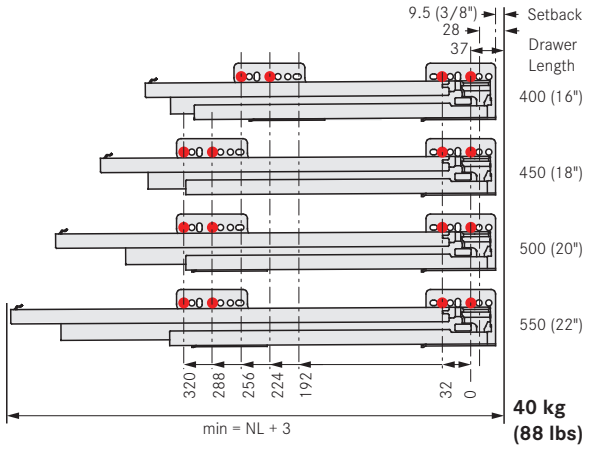


Note: Cutting dimensions for back and bottom based on 16mm material

Cabinet Boring Specifications

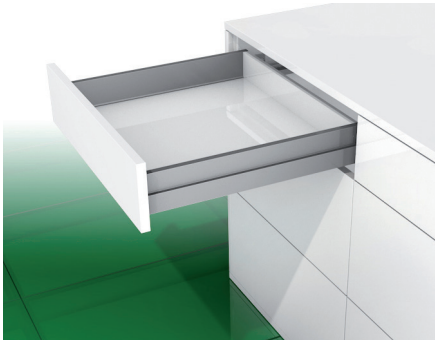
BB = bottom panel width
BL = bottom panel length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
RWB = back panel width
RWH = back panel height





Nova Pro Scala, Standard Drawer

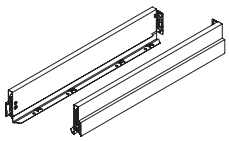
H90 Series - 90mm (3 1/2") side height drawer system



- The practical standard drawer for all applications
- Full extension for maximum access to drawer contents
- Integrated height and side adjustment
- Compatible with Tipmatic Soft-close
- Tool-free drawer front removal and installation
- Available load capacities: 88 lb (40kg) and 154 lb (70kg) dynamic
- Fully-synchronized slide technology
- Soft-close damping system

Drawer Member Set

A



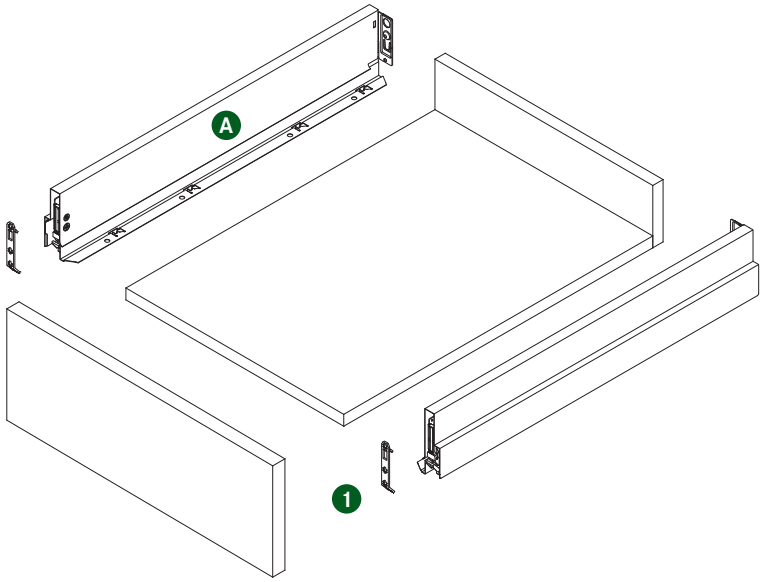
	Description	Slide Length	Item No. Stone	Item No. Ice	Item No. Silver	PU
A	Nova Pro Scala H90/270 Drawer Member Set	270 (11")	**F100**103**108**211	**F100**103**135**211	**F100**103**162**211	10
	Nova Pro Scala H90/300 Drawer Member Set	300 (12")	**F100**103**111**211	**F100**103**138**211	**F100**103**165**211	10
	Nova Pro Scala H90/350 Drawer Member Set	350 (14")	**F100**103**114**211	**F100**103**141**211	**F100**103**168**211	10
	Nova Pro Scala H90/400 Drawer Member Set	400 (16")	**F100**103**117**211	**F100**103**144**211	**F100**103**171**211	10
	Nova Pro Scala H90/450 Drawer Member Set	450 (18")	**F100**103**120**211	**F100**103**147**211	**F100**103**174**211	10
	Nova Pro Scala H90/500 Drawer Member Set	500 (20")	**F100**103**123**211	**F100**103**150**211	**F100**103**177**211	10
	Nova Pro Scala H90/550 Drawer Member Set	550 (22")	**F100**103**126**211	**F100**103**153**211	**F100**103**180**211	10
	Nova Pro Scala H90/600 Drawer Member Set	600 (24")	**F100**103**129**211	**F100**103**156**211	**F100**103**183**211	10
	Nova Pro Scala H90/650 Drawer Member Set	650 (26")	**F100**103**132**211	**F100**103**159**211	**F100**103**186**211	10

Front Brackets

1

	Description	Item No.	PU
1	Screw-on Bracket	**F102**021**855**123	100
	Dowelled Bracket, 10mm	**F102**021**854**123	100

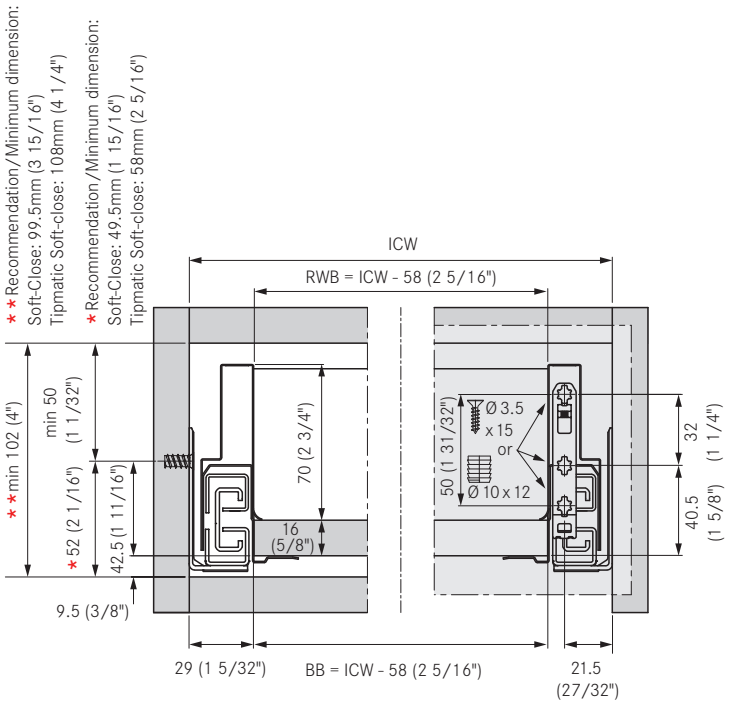
Note: Two brackets are required per drawer



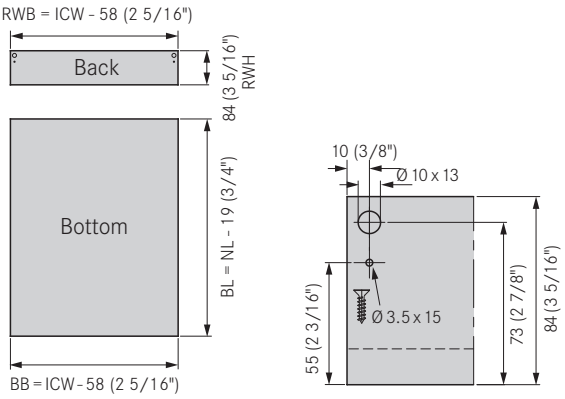
PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

Drawer Installation Dimensions



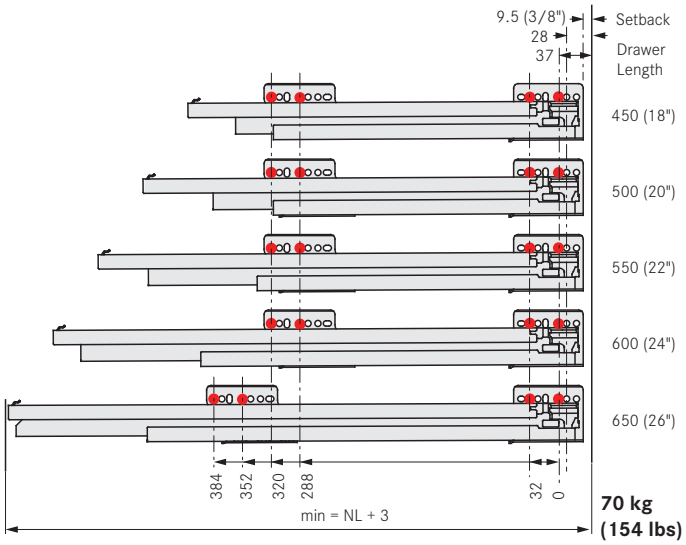
Drawer Back and Bottom Measurements

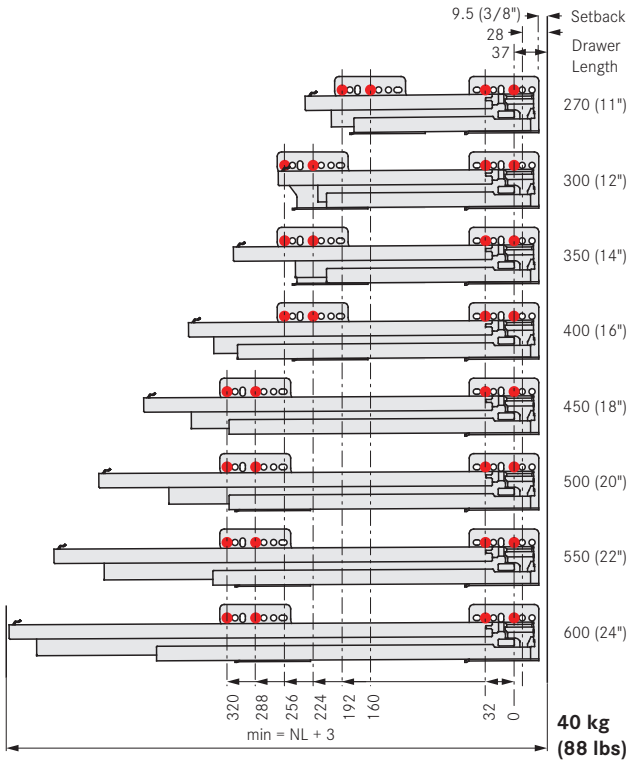


Note: Cutting dimensions for back and bottom based on 16mm material

Cabinet Boring Specifications

BB = bottom panel width
BL = bottom panel length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
RWB = back panel width
RWH = back panel height



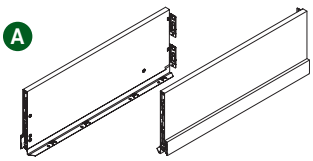


Nova Pro Scala, Deep Drawer

H186 Series - 186mm (7 5/16") side height drawer system

- Slim, deep drawer side
- High stability up to a front height of 780mm (30 11/16")
- Full extension for maximum access to drawer contents
- Integrated height, side and tilt adjustment
- Compatible with Tipmatic Soft-close
- Tool-free drawer front removal and installation
- Available load capacities: 88 lb (40kg) and 154 lb (70kg) dynamic
- Fully-synchronized slide technology
- Soft-close damping system

Drawer Member Set

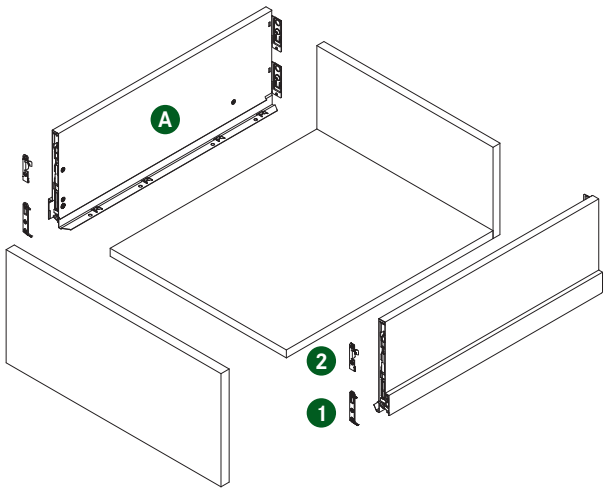


	Description	Slide Length	Item No. Stone	Item No. Ice	Item No. Silver	PU
A	Nova Pro Scala H186/270 Drawer Member Set	270 (11")	**F100**103**300**211	**F100**103**327**211	**F100**103**354**211	10
	Nova Pro Scala H186/300 Drawer Member Set	300 (12")	**F100**103**303**211	**F100**103**330**211	**F100**103**357**211	10
	Nova Pro Scala H186/350 Drawer Member Set	350 (14")	**F100**103**306**211	**F100**103**333**211	**F100**103**360**211	10
	Nova Pro Scala H186/400 Drawer Member Set	400 (16")	**F100**103**309**211	**F100**103**336**211	**F100**103**363**211	10
	Nova Pro Scala H186/450 Drawer Member Set	450 (18")	**F100**103**312**211	**F100**103**339**211	**F100**103**366**211	10
	Nova Pro Scala H186/500 Drawer Member Set	500 (20")	**F100**103**315**211	**F100**103**342**211	**F100**103**369**211	10
	Nova Pro Scala H186/550 Drawer Member Set	550 (22")	**F100**103**318**211	**F100**103**345**211	**F100**103**372**211	10
	Nova Pro Scala H186/600 Drawer Member Set	600 (24")	**F100**103**321**211	**F100**103**348**211	**F100**103**375**211	10
	Nova Pro Scala H186/650 Drawer Member Set	650 (26")	**F100**103**324**211	**F100**103**351**211	**F100**103**378**211	10

Front Brackets

	Description	Item No.	PU
1	Screw-on Bracket	**F102**021**855**123	100
	Dowelled Bracket, 10mm	**F102**021**854**123	100
2	Screw-on Front Clip	**F102**104**833**123	100
	Dowelled Front Clip, 10mm	**F102**104**834**123	100

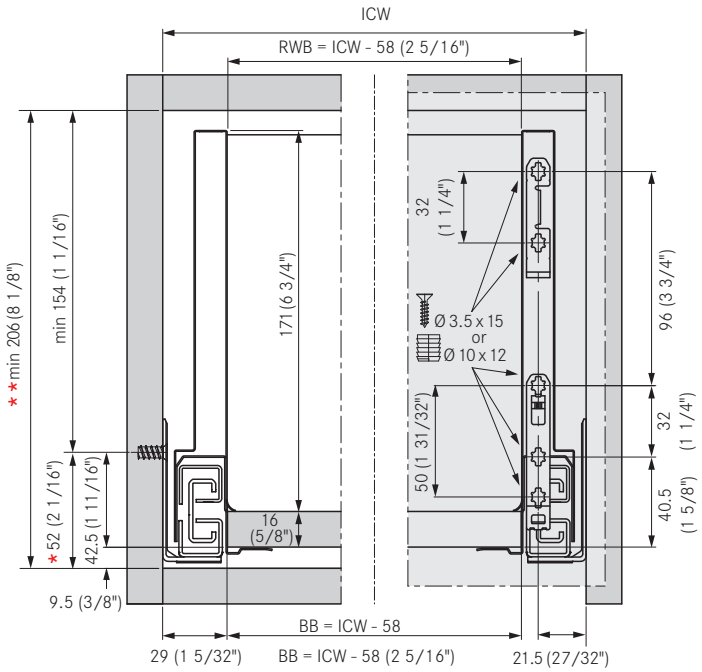
Note: Two brackets are required per drawer



PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

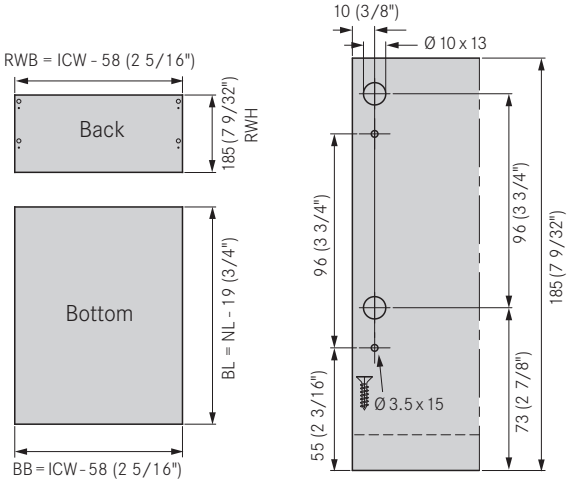
Drawer Installation Dimensions



**Recommendation/Minimum dimension:
Soft-Close: 203.5mm (8")
Tipmatic Soft-close: 212mm (8 3/8")

*Recommendation/Minimum dimension:
Soft-Close: 49.5mm (1 15/16")
Tipmatic Soft-close: 58mm (2 5/16")

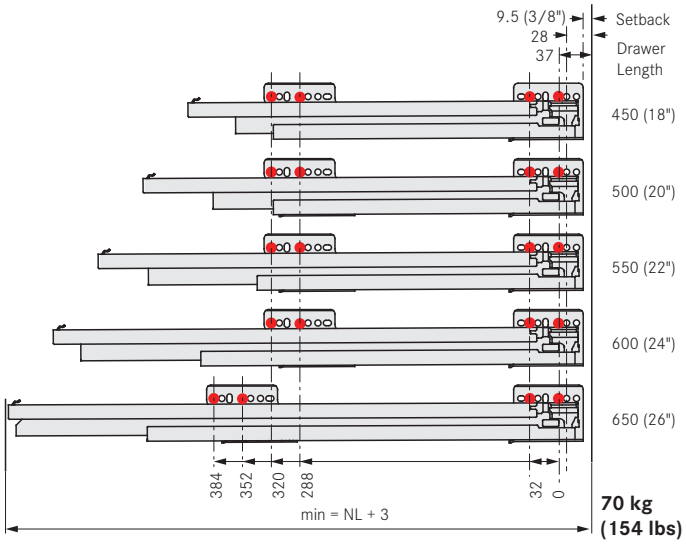
Drawer Back and Bottom Measurements

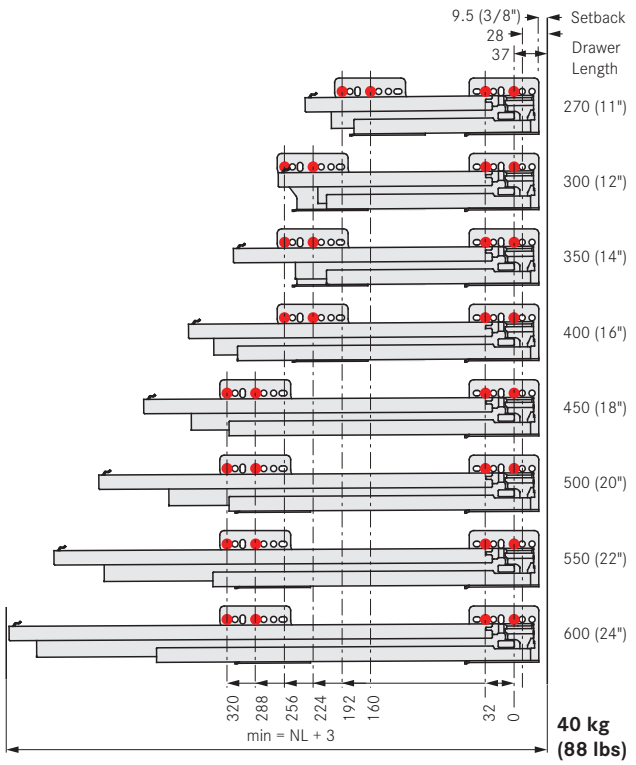


Note: Cutting dimensions for back and bottom based on 16mm material

Cabinet Boring Specifications

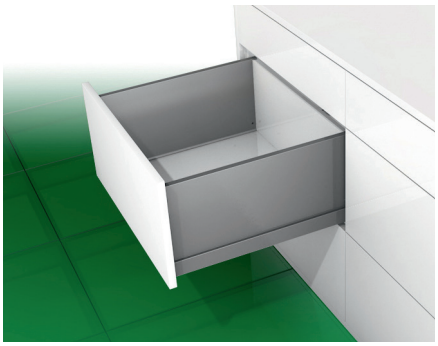
BB = bottom panel width
BL = bottom panel length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
RWB = back panel width
RWH = back panel height





Nova Pro Scala, Deep Drawer

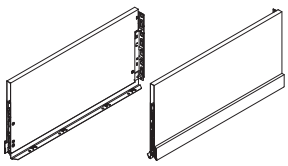
H250 Series - 250mm (9 13/16") side height drawer system



- Slim, deep drawer side
- High stability up to a front height of 780mm (30 11/16")
- Full extension for maximum access to drawer contents
- Integrated height and side adjustment
- Compatible with Tipmatic Soft-close
- Tool-free drawer front removal and installation
- Available load capacities: 88 lb (40kg) and 154 lb (70kg) dynamic
- Fully-synchronized slide technology
- Soft-close damping system

Drawer Member Set

A



	Description	Slide Length	Item No. Stone	Item No. Ice	Item No. Silver	PU
A	Nova Pro Scala H250/400 Drawer Member Set	400 (16")	**F100**131**037**207	**F100**131**064**207	**F100**131**091**207	5
	Nova Pro Scala H250/450 Drawer Member Set	450 (18")	**F100**131**040**207	**F100**131**067**207	**F100**131**094**207	5
	Nova Pro Scala H250/500 Drawer Member Set	500 (20")	**F100**131**043**207	**F100**131**070**207	**F100**131**097**207	5
	Nova Pro Scala H250/550 Drawer Member Set	550 (22")	**F100**131**046**207	**F100**131**073**207	**F100**131**100**207	5
	Nova Pro Scala H250/600 Drawer Member Set	600 (24")	**F100**131**049**207	**F100**131**076**207	**F100**131**103**207	5

Front Brackets

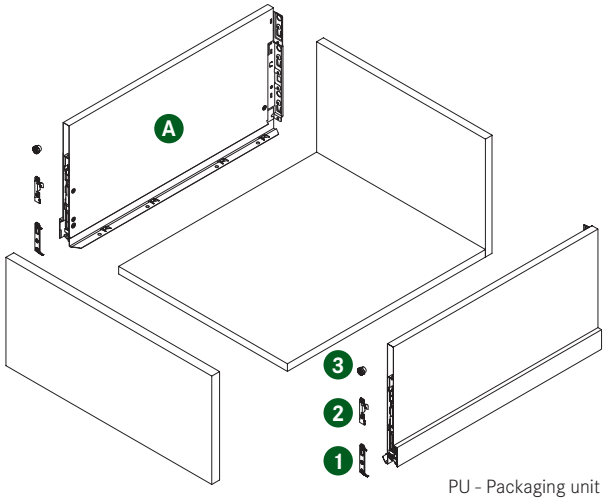
1

2

3

	Description	Item No.	PU
1	Screw-on Bracket	**F102**021**855**123	100
	Dowelled Bracket, 10mm	**F102**021**854**123	100
2	Screw-on Front Clip	**F102**104**833**123	100
	Dowelled Front Clip, 10mm	**F102**104**834**123	100
3	Front Stabilizer	**F102**109**564**123	100

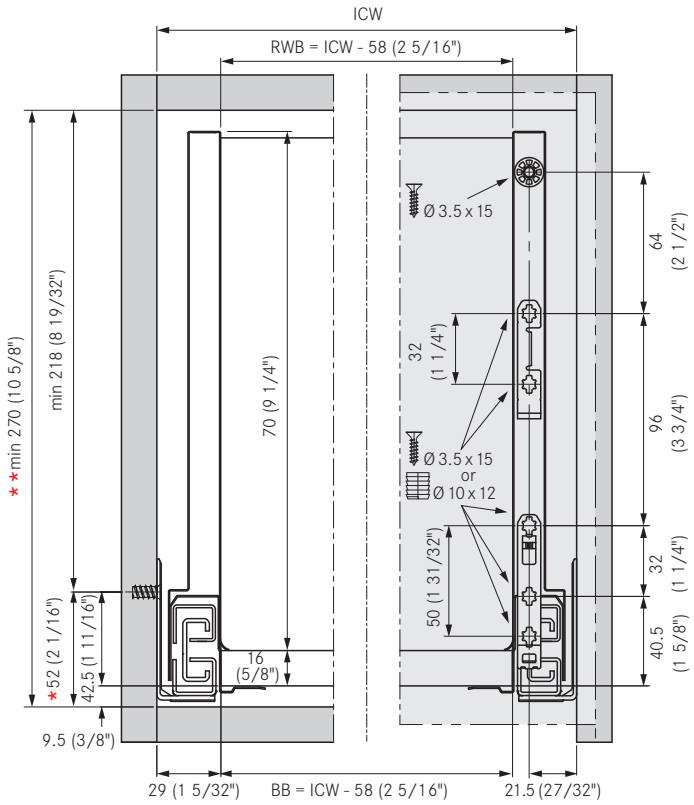
Note: Two brackets are required per drawer



PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

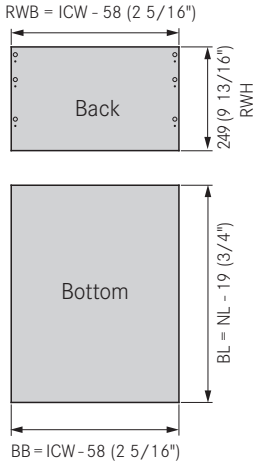
Drawer Installation Dimensions

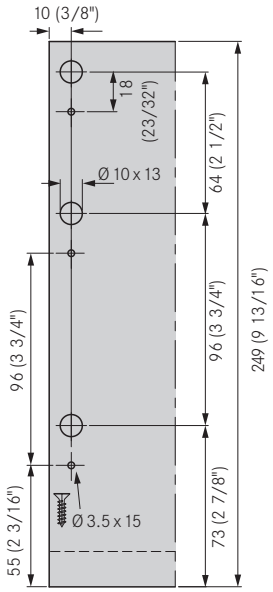


**Recommendation/Minimum dimension:
Soft-Close: 267.5mm (10 9/16")
Tipmatic Soft-close: 276mm (10 7/8")

*Recommendation/Minimum dimension:
Soft-Close: 49.5mm (1 15/16")
Tipmatic Soft-close: 58mm (2 5/16")

Drawer Back and Bottom Measurements

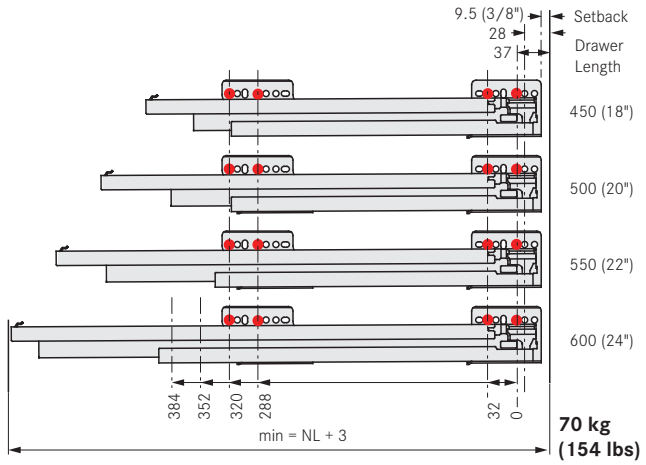


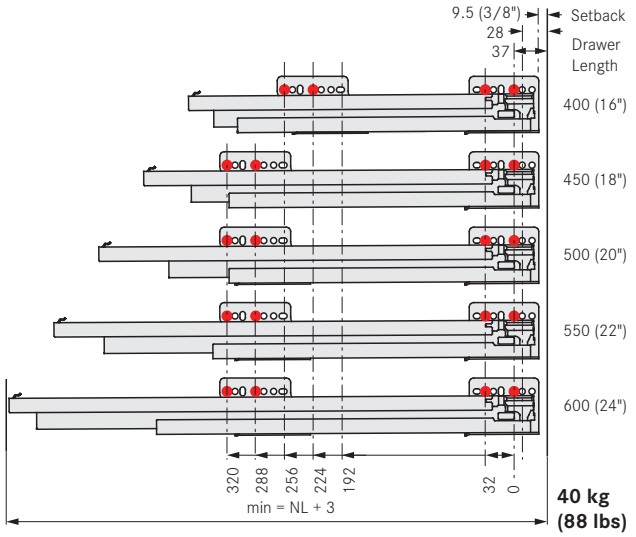


Note: Cutting dimensions for back and bottom based on 16mm material

Cabinet Boring Specifications

BB = bottom panel width
BL = bottom panel length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
RWB = back panel width
RWH = back panel height



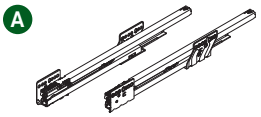


Nova Pro Scala, Cabinet Members, Soft-Close

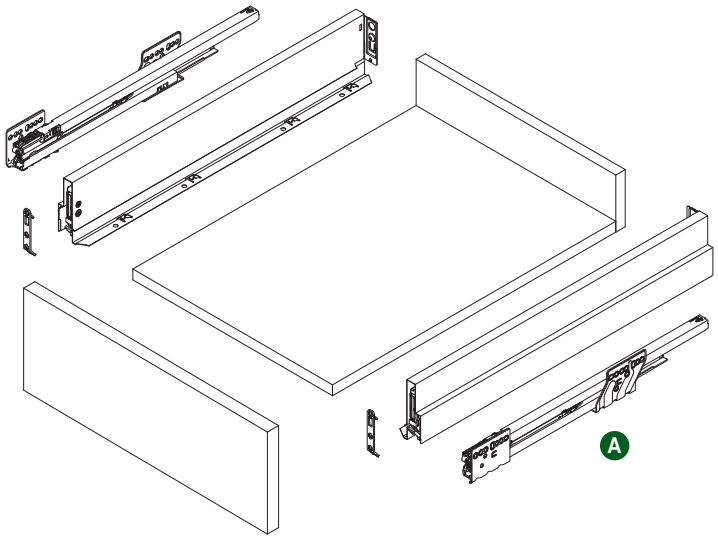
Full extension slide 88/154 lb (40/70kg)

- The practical standard drawer slide for all applications
- Full extension for maximum access to drawer contents
- Available load capacities: 88 lb (40kg) and 154 lb (70kg) dynamic
- Fully-synchronized slide technology
- Soft-close damping system

Cabinet Member Set



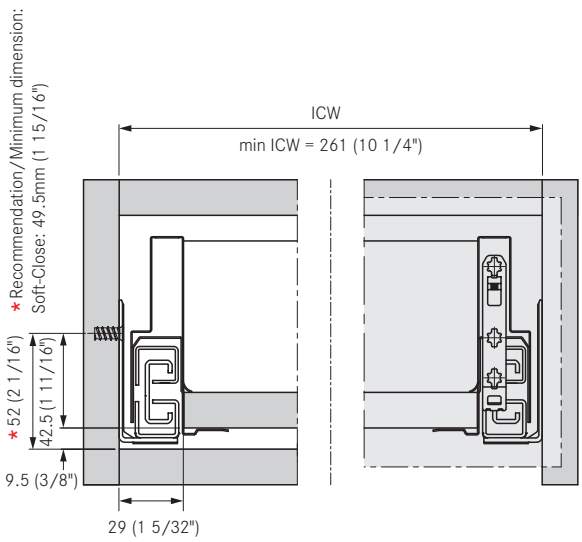
Description	Length	40kg (88 lb) capacity	70kg (154 lb) capacity	PU
A Nova Pro Scala Cabinet Member Set	270 (11")	**F101**108**261**507	-	5
Nova Pro Scala Cabinet Member Set	300 (12")	**F101**108**264**507	-	5
Nova Pro Scala Cabinet Member Set	350 (14")	**F101**108**267**507	-	5
Nova Pro Scala Cabinet Member Set	400 (16")	**F101**108**270**507	-	5
Nova Pro Scala Cabinet Member Set	450 (18")	**F101**108**273**507	**F101**108**285**507	5
Nova Pro Scala Cabinet Member Set	500 (20")	**F101**108**276**507	**F101**108**288**507	5
Nova Pro Scala Cabinet Member Set	550 (22")	**F101**108**279**507	**F101**108**291**507	5
Nova Pro Scala Cabinet Member Set	600 (24")	**F101**108**282**507	**F101**108**294**507	5
Nova Pro Scala Cabinet Member Set	650 (26")	-	**F101**108**297**507	5
Nova Pro Scala Cabinet Member Set	270 (11")	**F101**108**261**211	-	10
Nova Pro Scala Cabinet Member Set	300 (12")	**F101**108**264**211	-	10
Nova Pro Scala Cabinet Member Set	350 (14")	**F101**108**267**211	-	10
Nova Pro Scala Cabinet Member Set	400 (16")	**F101**108**270**211	-	10
Nova Pro Scala Cabinet Member Set	450 (18")	**F101**108**273**211	-	10
Nova Pro Scala Cabinet Member Set	500 (20")	**F101**108**276**211	-	10
Nova Pro Scala Cabinet Member Set	550 (22")	**F101**108**279**211	-	10
Nova Pro Scala Cabinet Member Set	600 (24")	**F101**108**282**211	-	10



PU - Packaging unit

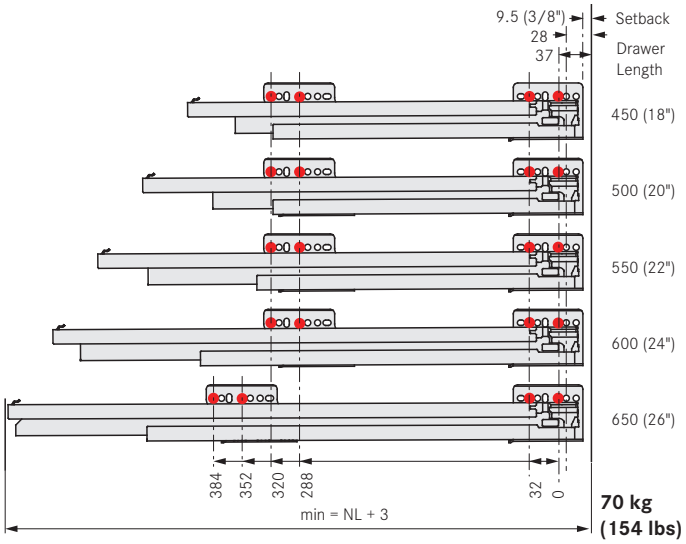
Dimensions in millimeters, fractional inch equivalents as noted.

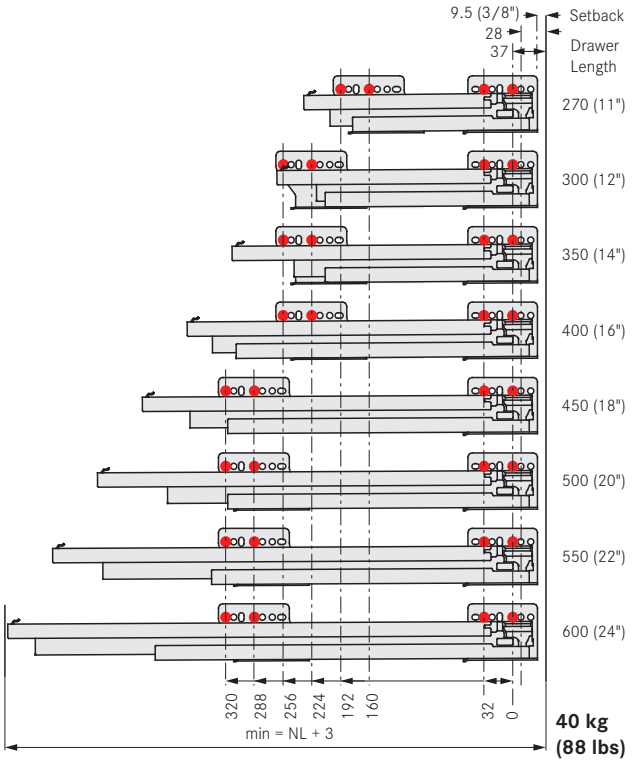
Drawer Installation Dimensions



Cabinet Boring Specifications

BB = bottom panel width
BL = bottom panel length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
RWB = back panel width
RWH = back panel height



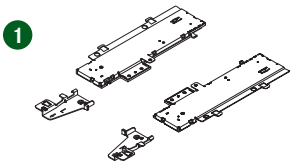


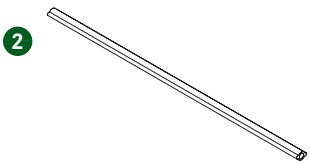
Nova Pro Scala Tipmatic Soft-close

Tipmatic full extension with soft-close action

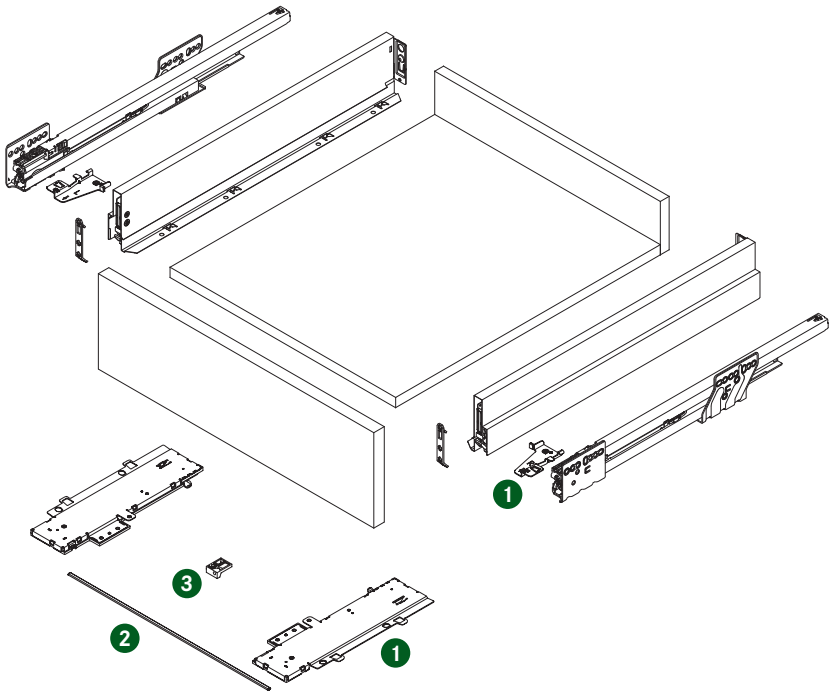
- Mechanical opening system for handle-free fronts
- Combines Tipmatic function with Soft-close damping
- Tool-free assembly of the Tipmatic Soft-close unit
- One unit for all Nova Pro Scala lengths and weight classes
- 3 tier adjustment for the opening force
- Wide activation zone due to synchronization bar

Tipmatic Soft-close





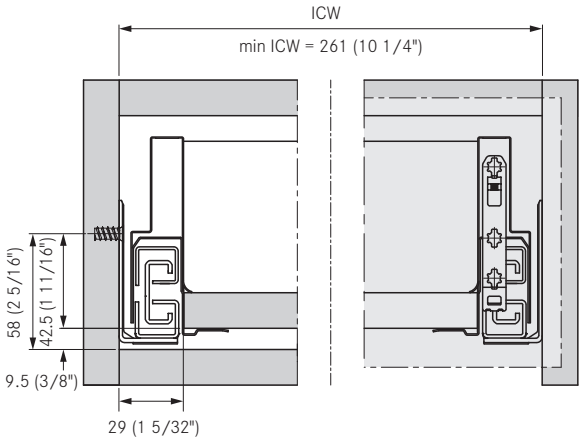
	Description	Item No.	PU
	(Must order separately)		
1	Tipmatic Soft-close set, unit and activator	**F102**109**293**607	10
2	Tipmatic synchronization bar - cut to length, 962mm (37 7/8")	**F102**109**393**207	10
3	Tipmatic synchronization bar support - Screw-on	**F102**108**021**207	10



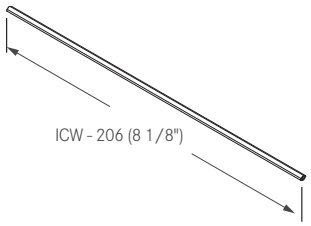
PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

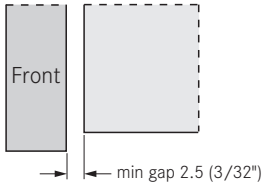
Drawer Installation Dimensions



Synchronization Bar



Minimum Front Gap



Cabinet Boring Specifications

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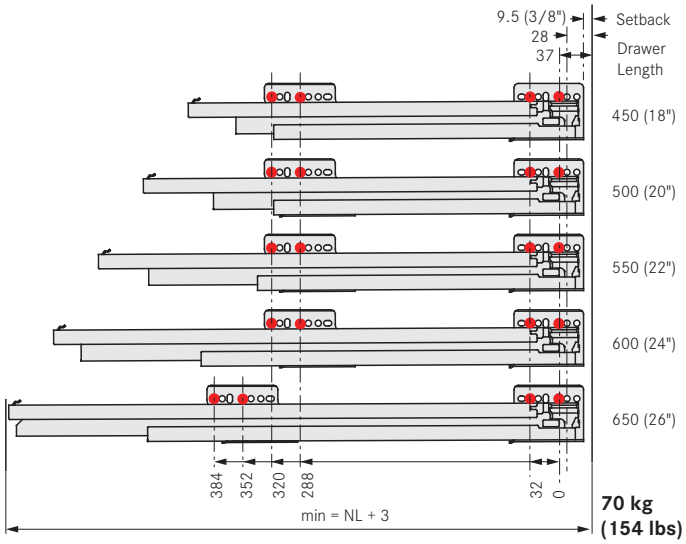
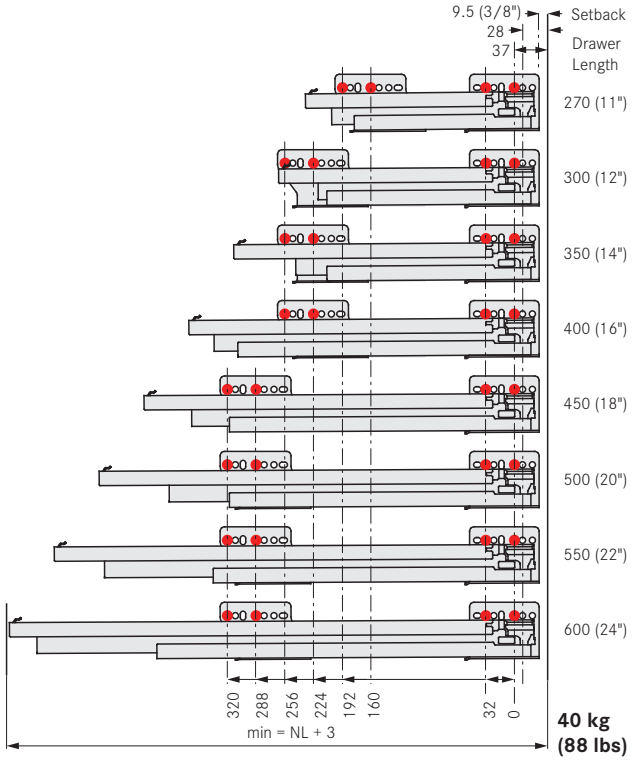
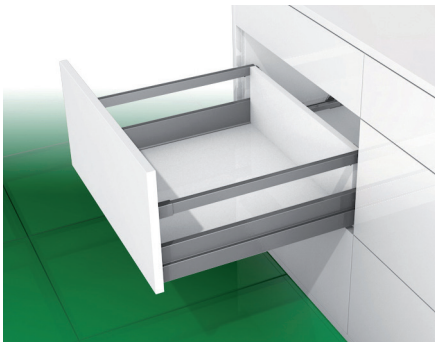
BL = bottom panel length
ICW = inside cabinet width
IDW = inside drawer width
NL = nominal length
RWB = back panel width
RWH = back panel height



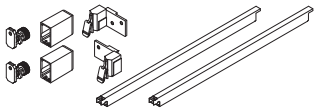


Nova Pro Scala Rectangular Railing



- Snug-fitting rectangular railing
- Flush-fitting back panel adapter
- Easy installation
- Easy tilt adjustment
- For use with Nova Pro Scala drawer sides
- Complete set packaging

Rectangular Railing Set



1 Set consists of:

2 Railings

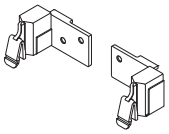
2 Cover caps

Railing bracket front left & right

Railing bracket back left & right

Description	Slide Length	Item No. Stone	Item No. Ice	Item No. Silver	PU
Nova Pro Scala 270 Railing Set	270 (11")	**F102**103**516**507	**F102**103**525**507	**F102**103**534**507	10
Nova Pro Scala 300 Railing Set	300 (12")	**F102**103**517**507	**F102**103**526**507	**F102**103**535**507	10
Nova Pro Scala 350 Railing Set	350 (14")	**F102**103**518**507	**F102**103**527**507	**F102**103**536**507	10
Nova Pro Scala 400 Railing Set	400 (16")	**F102**103**519**507	**F102**103**528**507	**F102**103**537**507	10
Nova Pro Scala 450 Railing Set	450 (18")	**F102**103**520**507	**F102**103**529**507	**F102**103**538**507	10
Nova Pro Scala 500 Railing Set	500 (20")	**F102**103**521**507	**F102**103**530**507	**F102**103**539**507	10
Nova Pro Scala 550 Railing Set	550 (22")	**F102**103**522**507	**F102**103**531**507	**F102**103**540**507	10
Nova Pro Scala 600 Railing Set	600 (24")	**F102**103**523**507	**F102**103**532**507	**F102**103**541**507	10
Nova Pro Scala 650 Railing Set	650 (26")	**F102**103**524**507	**F102**103**533**507	**F102**103**542**507	10

Rectangular Railing Components

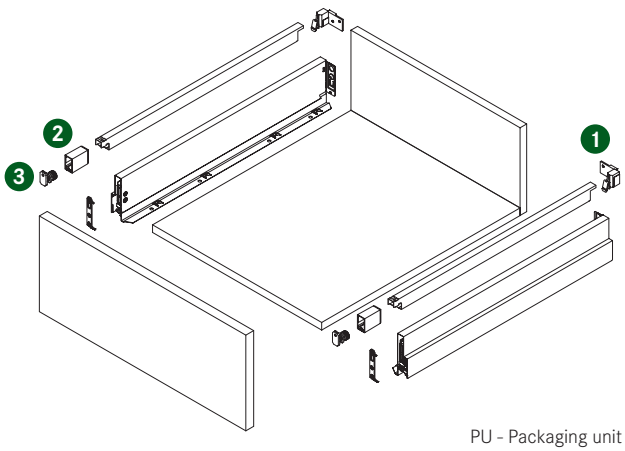
1 

2

3

Description	Item No. Stone	Item No. Ice	Item No. Silver	PU
1 Railing Clip - back panel - Left	**F102**104**670**223	**F102**104**681**223	**F102**104**692**223	100
Railing Clip - back panel - Right	**F102**104**671**223	**F102**104**682**223	**F102**104**693**223	100
2 Railing cover cap	**F102**104**676**233	**F102**104**687**233	**F102**104**698**233	100

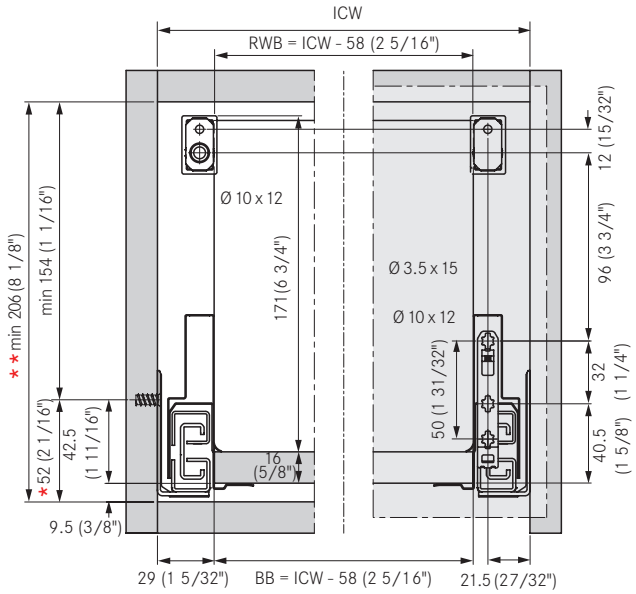
Description	Item No.	PU
3 Railing Clip - front panel - Screw-on	**F102**104**668**133	200
Railing Clip - front panel - Dowelled, 10mm	**F102**104**669**133	200



PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

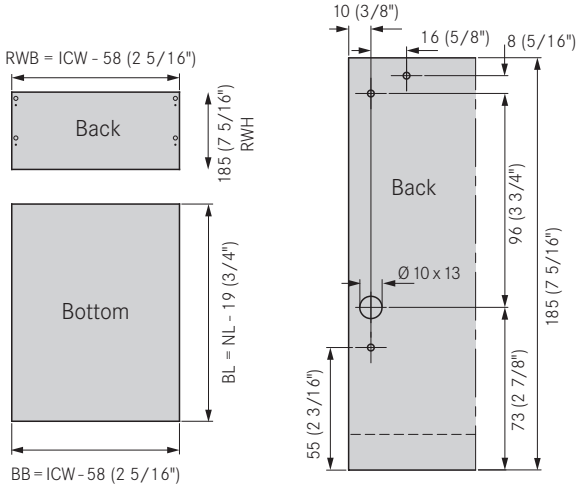
Drawer Installation Dimensions



** Recommendation/Minimum dimension:
Soft-Close: 203.5mm (8")
Tipmatic Soft-close: 212mm (8 3/8")

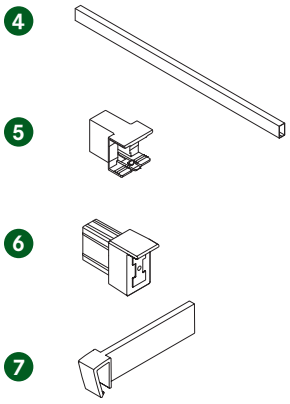
* Recommendation/Minimum dimension:
Soft-Close: 49.5mm (1 15/16")
Tipmatic Soft-close: 58mm (2 5/16")

Drawer Back and Bottom Measurements



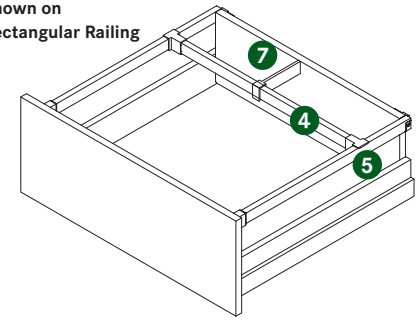
Note: Cutting dimensions for back and bottom based on 16mm material

Divider Railing Components for Rectangular Railing

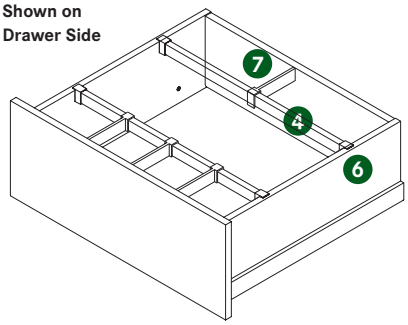


	Description	Item No. Stone	Item No. Ice	Item No. Silver	PU
4	Divider Railing, can be cut to length - 1150mm (45 1/2")	**F102**108**653**207	**F102**108**654**207	**F102**108**655**207	100
5	Divider Railing Clip - for railing	**F102**104**677**233	**F102**104**688**233	**F102**104**699**233	100
6	Divider Railing Clip - for drawer side	**F102**108**835**233	**F102**108**834**233	**F102**108**836**233	100
7	Cross Divider for Railing	**F102**109**962**233	**F102**109**963**233	**F102**109**964**233	100

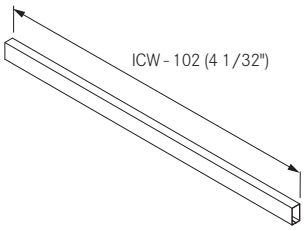
Shown on Rectangular Railing



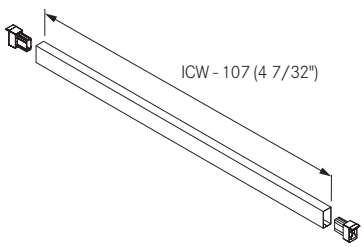
Shown on Drawer Side



Cutting Dimensions for Divider Railing on Rectangular Railing



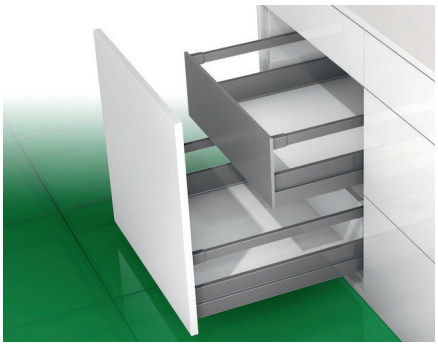
Cutting Dimensions for Divider Railing on Drawer Side



PU - Packaging unit

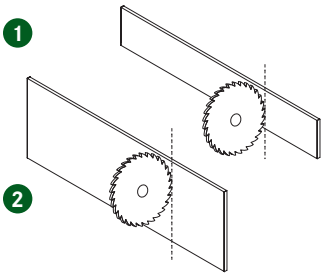
Nova Pro Scala Inset Drawer System

H90 or H186/H90 with railing



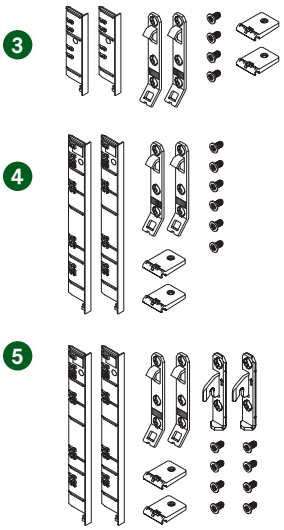
- Color-coordinated aluminum front panel profile
- 90mm (3 1/2") and 186mm (7 5/16") side heights

Inset Panels - Cut to Length



	Description	Length	Item No. Stone	Item No. Ice	Item No. Silver	PU
1	Inset Panel H90	1160 (45 11/16")	**F102**101**371**511	**F102**105**357**511	**F102**105**069**511	20
2	Inset Panel H186 or H90 with railing	1160 (45 11/16")	**F102**101**379**507	**F102**105**358**507	**F102**105**070**507	10

Accessory Sets



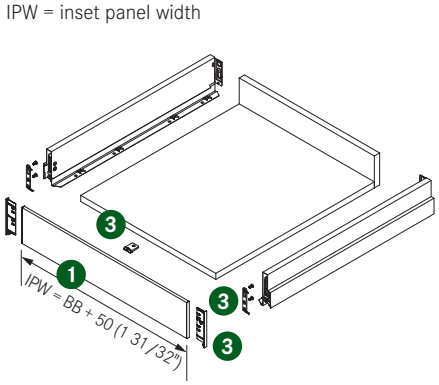
	Description	Item No. Stone	Item No. Ice	Item No. Silver	PU
3	Accessory set - Inset Panel H90	**F102**109**510**517	**F102**109**511**517	**F102**109**512**517	50
4	Accessory set - Inset Panel H90 with railing	**F102**109**516**517	**F102**109**517**517	**F102**109**518**517	50
5	Accessory set - Inset Panel H186	**F102**109**513**517	**F102**109**514**517	**F102**109**515**517	50

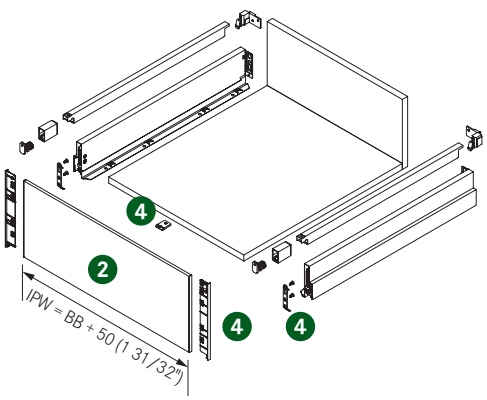
H90 Accessory Set consists of:
2 Cover Caps
2 Installation hooks
4 Special screws
2 front-bottom connectors

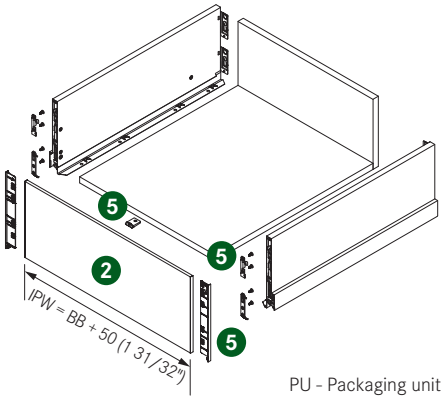
H186/H90 with Railing Accessory Set consists of:
2 Cover Caps
2 Installation hooks
6 Special screws
2 front-bottom connectors

H186 Set consists of:
2 Cover Caps
2 Installation hooks
2 Front Clips
8 Special screws
2 front-bottom connectors

BB = bottom panel width
IPW = inset panel width







PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

Tavinea Optima

Dividing System for Nova Pro Scala

- Dividing system for Nova Pro Scala deep drawers
- Organizes storage space for better drawer utilization
- Tool-free and adjustable for a variety of storage space arrangements
- Can be retrofitted at any time
- Color-coordinated with the drawer side
- Tavinea Optima also works with Vionaro drawer system

Tavinea Optima Profile Clip

1

Description	Item No. Graphite/Stone	Item No. White/Ice	Item No. Silver Grey	PU
Profile Clip (Left or Right)	**F007**130**228**511	**F007**130**229**511	**F007**130**230**511	20

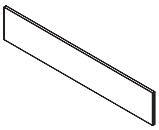
Tavinea Optima Smartboard

2

Description	Item No. Graphite/Stone	Item No. White/Ice	Item No. Silver Grey	PU
Smartboard	**F007**130**245**211	**F007**130**246**211	**F007**130**247**211	20

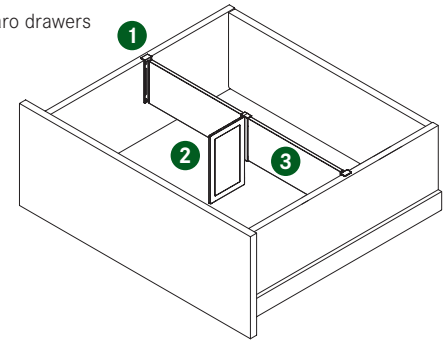
Tavinea Optima Divider, cut to length

3

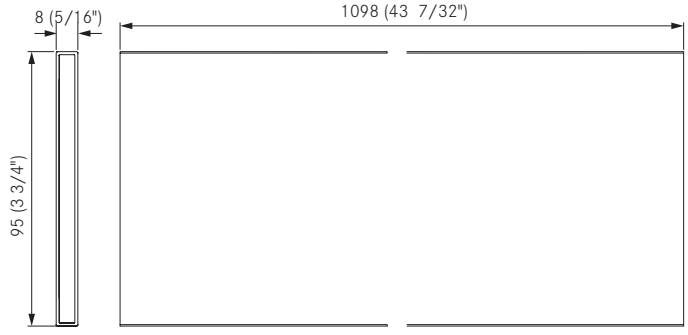


Description	Length	Item No. Stone	Item No. Ice	Item No. Silver	PU
Divider	1098 (43 7/32")	**F007**130**234**507	**F007**130**235**507	**F007**130**236**507	10

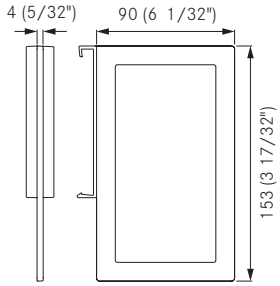
Note: Tavinea Optima colors coordinate with Nova Pro Scala and Vionaro drawers

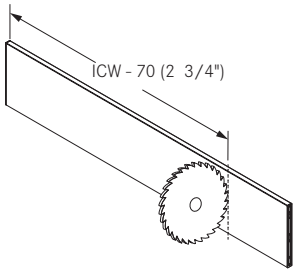


Divider Dimensions



Cutting Dimensions of divider profile



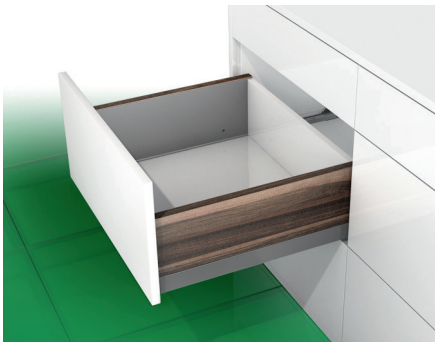


ICW = inside cabinet width

PU - Packaging unit

Nova Pro Scala, Designer Options

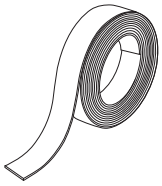
Magnetic Adhesive Tape for Panels



- Magnetic adhesive tape is used to affix custom designer panels onto Nova Pro Scala
- The designer panels are fitted with either magnetic tape or adhesive bonding
- Panels can be attached after the production process
- Tape Roll is 3/4" wide x 131' long

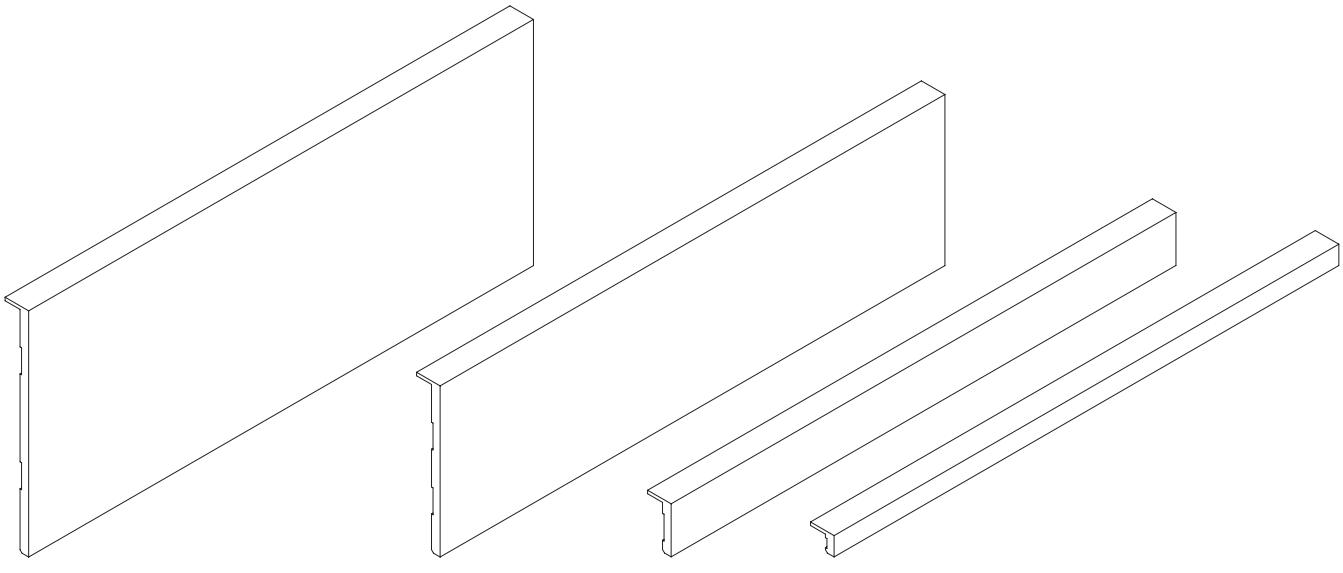
Note: Designer panels are not available from Grass

Designer Panel Magnetic Adhesive Tape



Description	Item No.	PU
Magnetic adhesive tape - Roll	**F102**108**509**501	1

Note: For designer panel H63 the magnetic tape must be halved to 3/8" wide.



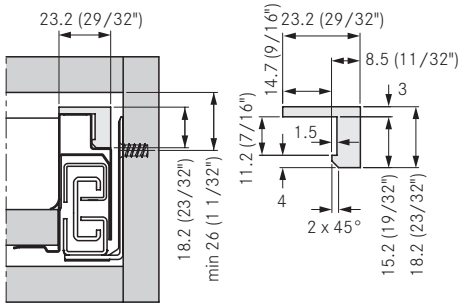
H250 **H186** **H90** **H63**

PU - Packaging unit

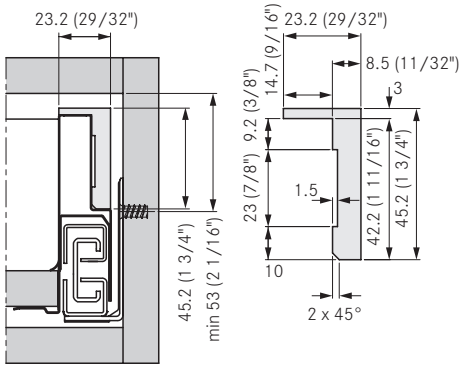
Dimensions in millimeters, fractional inch equivalents as noted.

Designer Panel Installation Dimensions

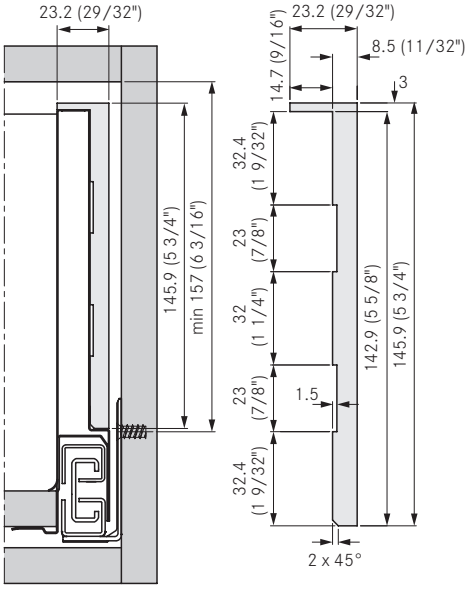
H63



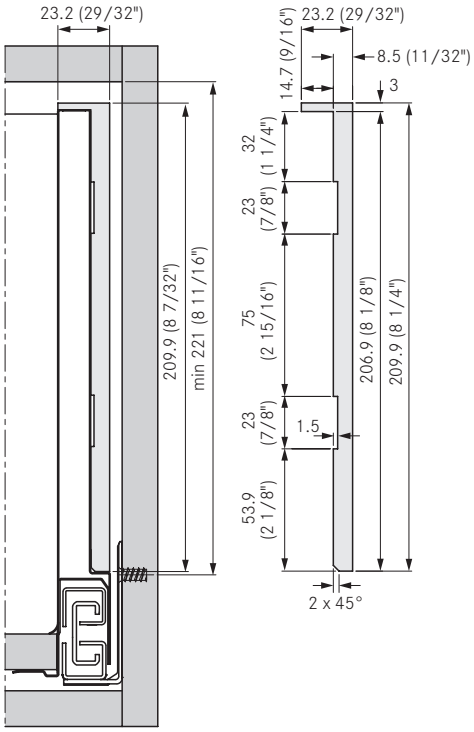
H90



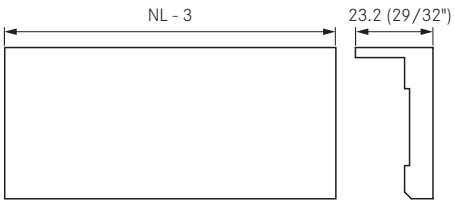
H186



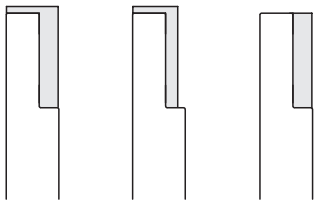
H250



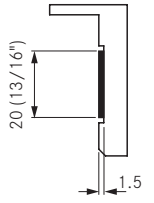
Drawer Measurements



Design Options



Magnetic Tape

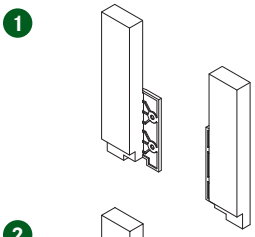


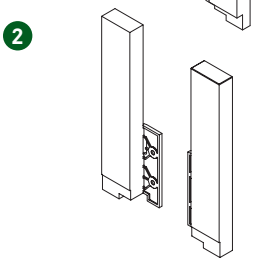
Nova Pro Scala, Sink Back Panel Holder

H90 with railing or H186

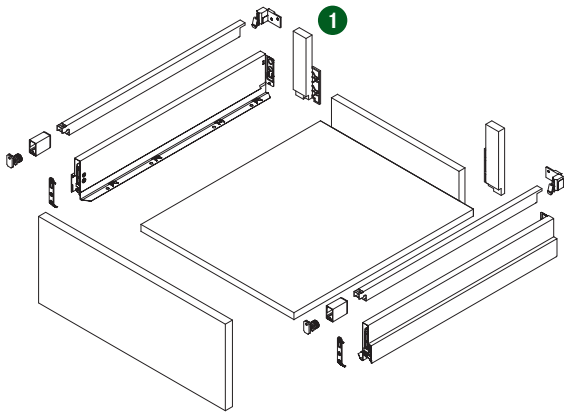
- Sink back panel holder for Nova Pro Scala H90 with rectangular railing and H186 drawer sides
- Easy and quick production of drawers
- Provides a trap cut-out using rectangular wooden back panel
- Color-coordinated with all Nova Pro Scala drawer sides

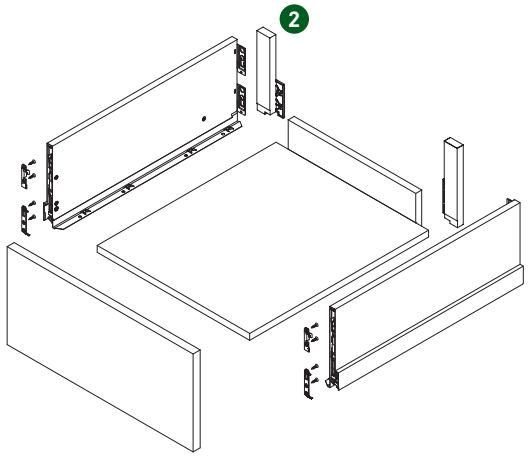
Sink Back Panel Holders





	Description	Item No. Stone	Item No. Ice	Item No. Silver	PU
1	Sink back panel holder for H90 with railing - left	**F102**130**601**217	**F102**131**199**217	**F102**131**201**217	50
	Sink back panel holder for H90 with railing - right	**F102**130**602**217	**F102**131**200**217	**F102**131**202**217	50
2	Sink back panel holder for H186 - set	**F102**131**004**507	**F102**131**006**507	**F102**131**005**507	10

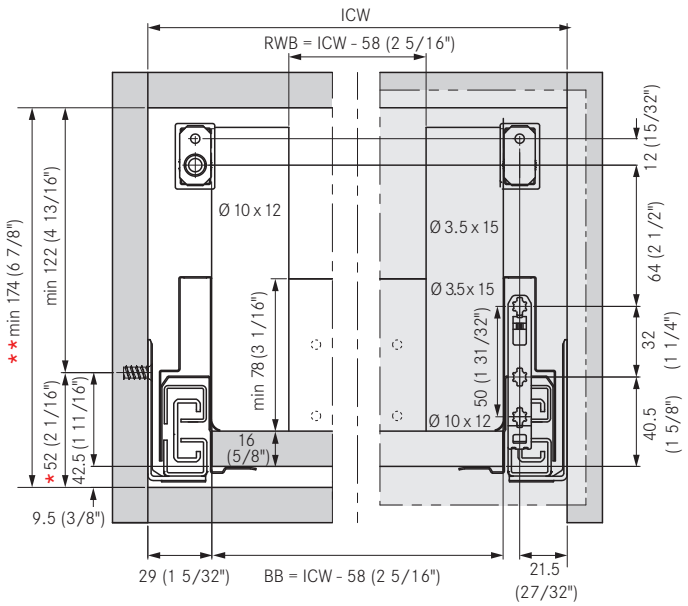




PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

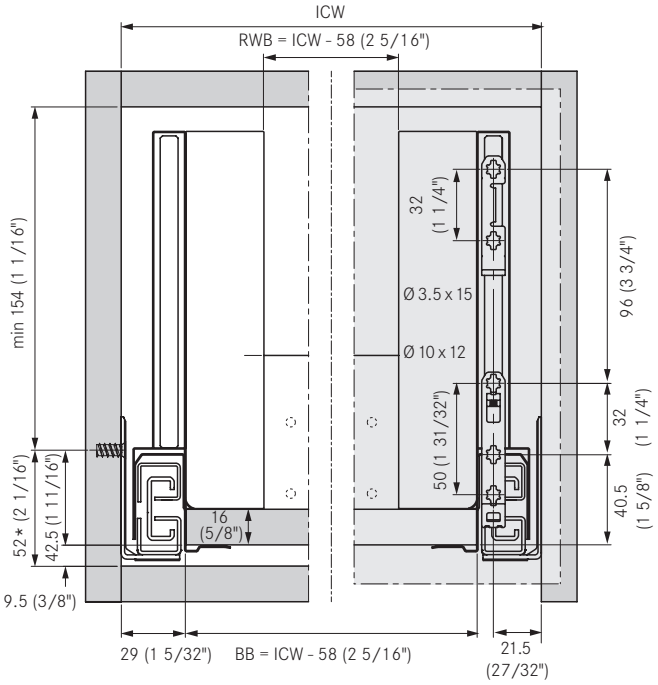
H90 with Railing Front Installation Dimensions



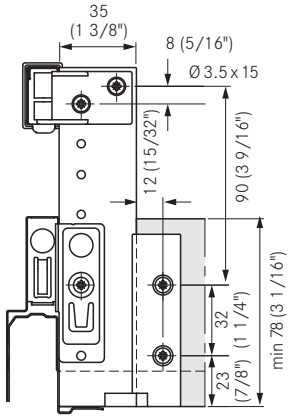
**Recommendation/Minimum dimension:
Soft-Close: 171.5mm (6 3/4")
Tipmatic Soft-close: 180mm (7 1/16")

*Recommendation/Minimum dimension:
Soft-Close: 49.5mm (1 15/16")
Tipmatic Soft-close: 58mm (2 5/16")

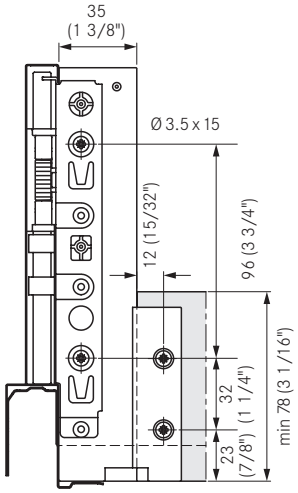
H186 Front Installation Dimensions



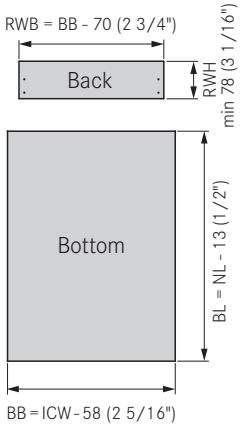
Back Panel H90 Dimensions



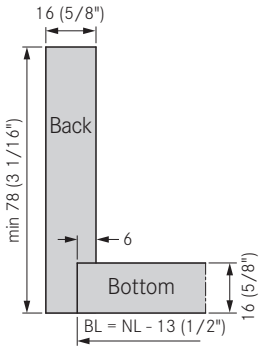
Back Panel H186 Dimensions



Back Bottom Dimensions



Back Panel Rebate application



Accessories

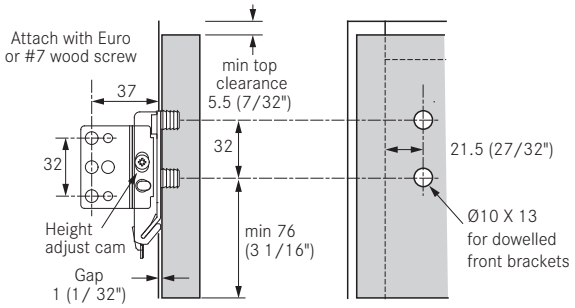
Nova Pro Scala

Blind Panel Snap-on Bracket

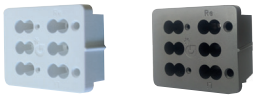
- For mounting blind panels to the cabinet side
- Snap-on quick mounting and removal of the front
- Side adjustment +/-1.5 mm
- Height adjustment +/- 2 mm
- Depth adjustment +/- 1.5 mm
- Uses Nova Pro Front brackets, screw-on or dowelled (order separately)

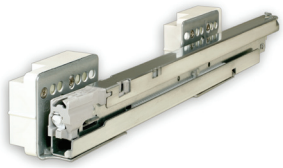
Note: If a cross rail beneath the false front is used, clearance for release triggers must be provided.

Description	Item No.	PU
Blind Panel Snap-on Bracket	**F102**108**430**217	50



Cabinet Member Spacer

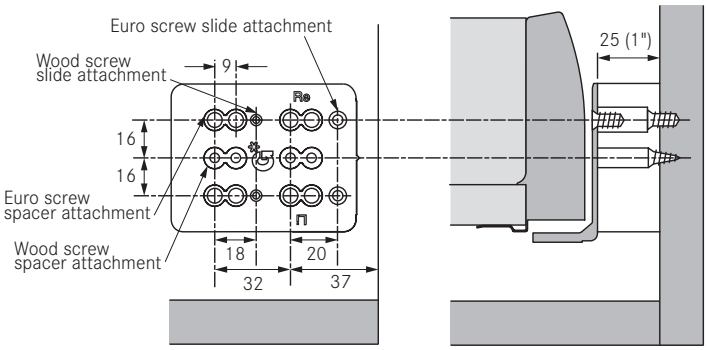




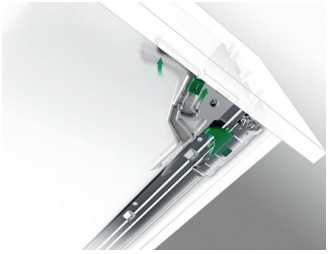
Used to space slides away from the cabinet sides for interior drawer applications.

- Thickness 25 mm (1")
- Universal, non-handed
- Can be mounted with Euro or wood screws
- Use (2) per side

Description	Item No.	PU
Nova Pro Spacer - White	**F102**062**616**211	20
Nova Pro Spacer - Stone	**F102**131**359**211	20



Child Lock



When the child lock is activated the drawer opening is limited to a small gap. By releasing the lock's lever the drawer opens fully.

- Use of the drawer storage space is unrestricted
- Can also be retrofitted
- Can be deactivated without tools
- Unit is fitted to the bottom panel and it can be used with all Nova Pro Scala add-on systems

Description	Item No.	PU
Nova Pro Scala Child Lock	**F102**108**857**523	100

Note: Cannot be used in combination with Tipmatic Soft-close

PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

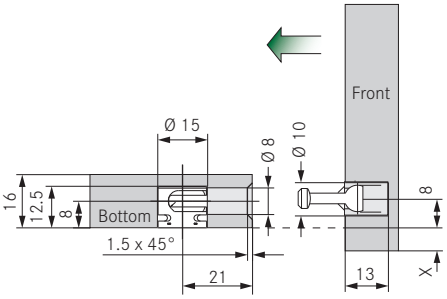
Accessories

Nova Pro Scala

Front-Bottom Connector

For wide drawers with a cabinet width of over 800 mm.

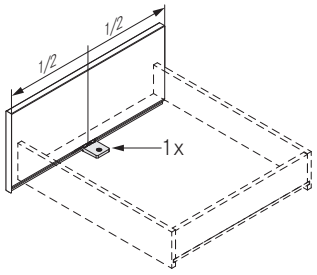
Description	Item No.	PU
Front-Bottom Connector	**F148**026**744**107	10

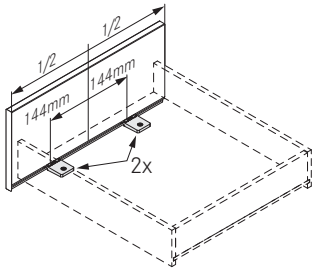


Front-Bottom Connector for Inset Panel

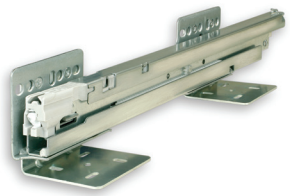
For wide drawers with a cabinet width of over 600 mm.

Description	Item No.	PU
Front-Bottom Connector for Inset Panel	**F145**117**993**223	200





Interior Drawer Bracket Kit



Used to mount slides to a cabinet bottom or shelf for interior roll out trays.

Description	Item No.	PU
Interior drawer bracket	00443-40	25

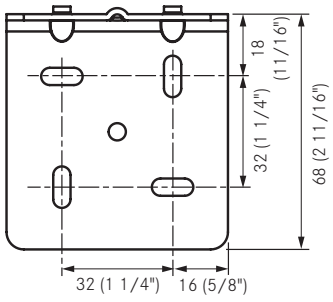
Kit consists of:

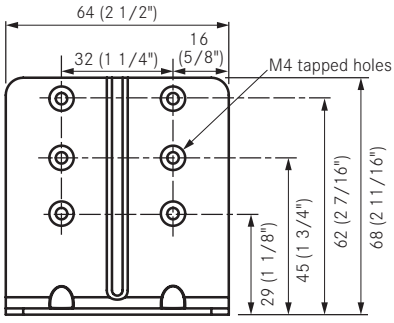
4 non-handed zinc plated steel brackets

8 M4 screws to attach slides to brackets

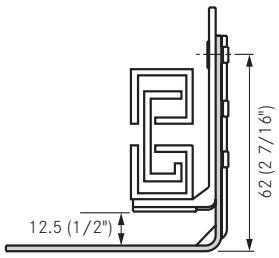
8 #8 x 5/8" truss head screws to mount brackets to cabinet

Top





Front



PU - Packaging unit

Machinery

Tecmator for Nova Pro Scala

Tecmator ZP-N-E2

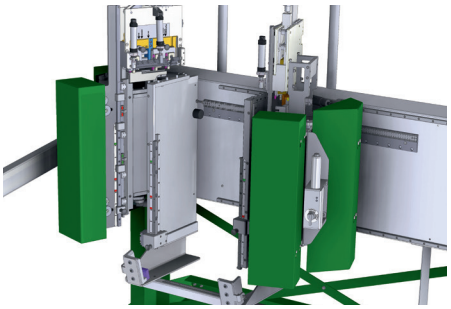
- Nova Pro Scala drawers can be assembled in 10 seconds
- Suitable for assembling Nova Pro Scala drawers – without having to change the press-in brackets
- Suitable for assembling wooden back panels
- Can be used to assemble wooden back panels with Nova Pro Scala H250 (3 dowels)
- Easy handling of parts on the machine
- Sturdy frame construction
- Any drawer width up to 1200 mm can be selected
- Flexible adjustment of the drawer width using the wooden back panel template (as standard or can also be retrofitted)
- The width is easily adjustable using pneumatic clamping
- Fast operating sequences

Standard equipment:

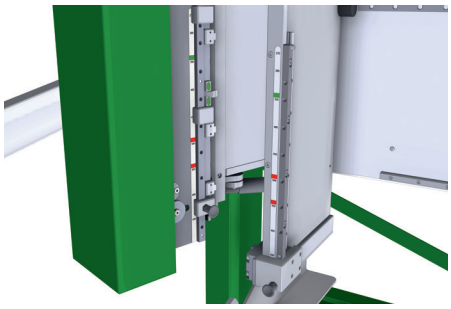
- Bottom claw pressing for all nominal lengths
- Stop set for KB 250 – 1200 (50 mm increments)
- Stops for four wooden back panel heights

Description	Item No.	PU
Tecmator ZP-N-E2, type 1.2 m	**F146**131**003**299	1

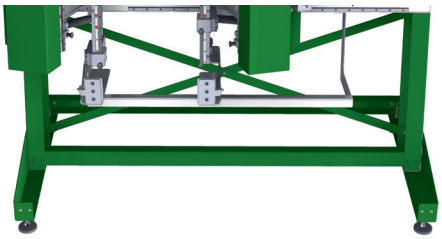
Tecmator Features



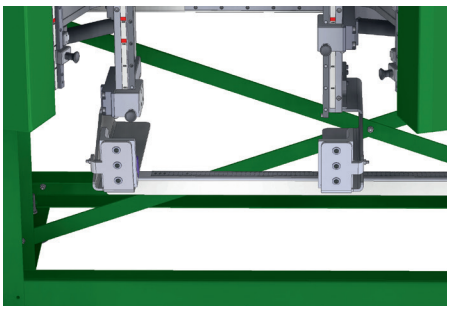
Easy width adjustment due to pneumatic clamping



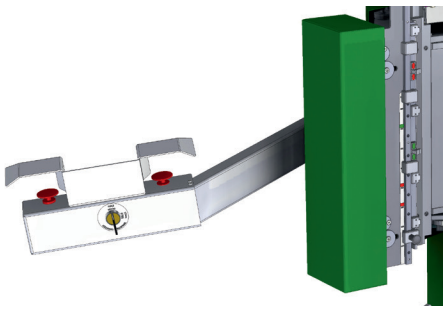
The individual components of the machine can be easily handled



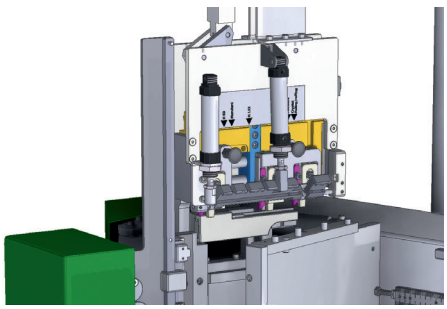
The frame structure ensures excellent stability



Customized KB settings possible via the wooden back panel



Maximum safety based on two-handed switching



Press aggregate for wooden back panels up to H250 with up to 3 dowels per side

PU - Packaging unit

Dimensions in millimeters, fractional inch equivalents as noted.

Assembly Aids

Nova Pro Scala

Marking Jig Set

For exact marking of the drill holes for the Nova Pro Scala front brackets.

Description	Item No.	PU
Nova Pro Scala H63	**F146**094**036**513	1
Nova Pro Scala H90	**F146**092**050**513	1
Nova Pro Scala H186/H250	**F146**101**908**513	1

Front Drilling Jig

Front drilling jig for Nova Pro Scala front fastening, railing and add-on systems:

- Can be used for drilling drawer sides of all heights
- High-quality aluminum construction

Description	Item No.	PU
Front Drilling Jig	**F146**130**983**201	1

Punch-In Tool for Front Brackets

Position and install the front brackets for the Nova Pro Scala H63, H90, and H186.

Description	Item No.	PU
Nova Pro Scala H63	**F146**094**035**501	1
Nova Pro Scala H90/H186	**F146**091**555**501	1

Punch-In Tool for Front Clip

Position and install the front clip for Nova Pro Scala H186.

Description	Item No.	PU
Punch-in tool for front clip	**F146**102**472**101	1

Punch-In Tool for Front-Bottom Connector

Position and install the front-bottom connector.

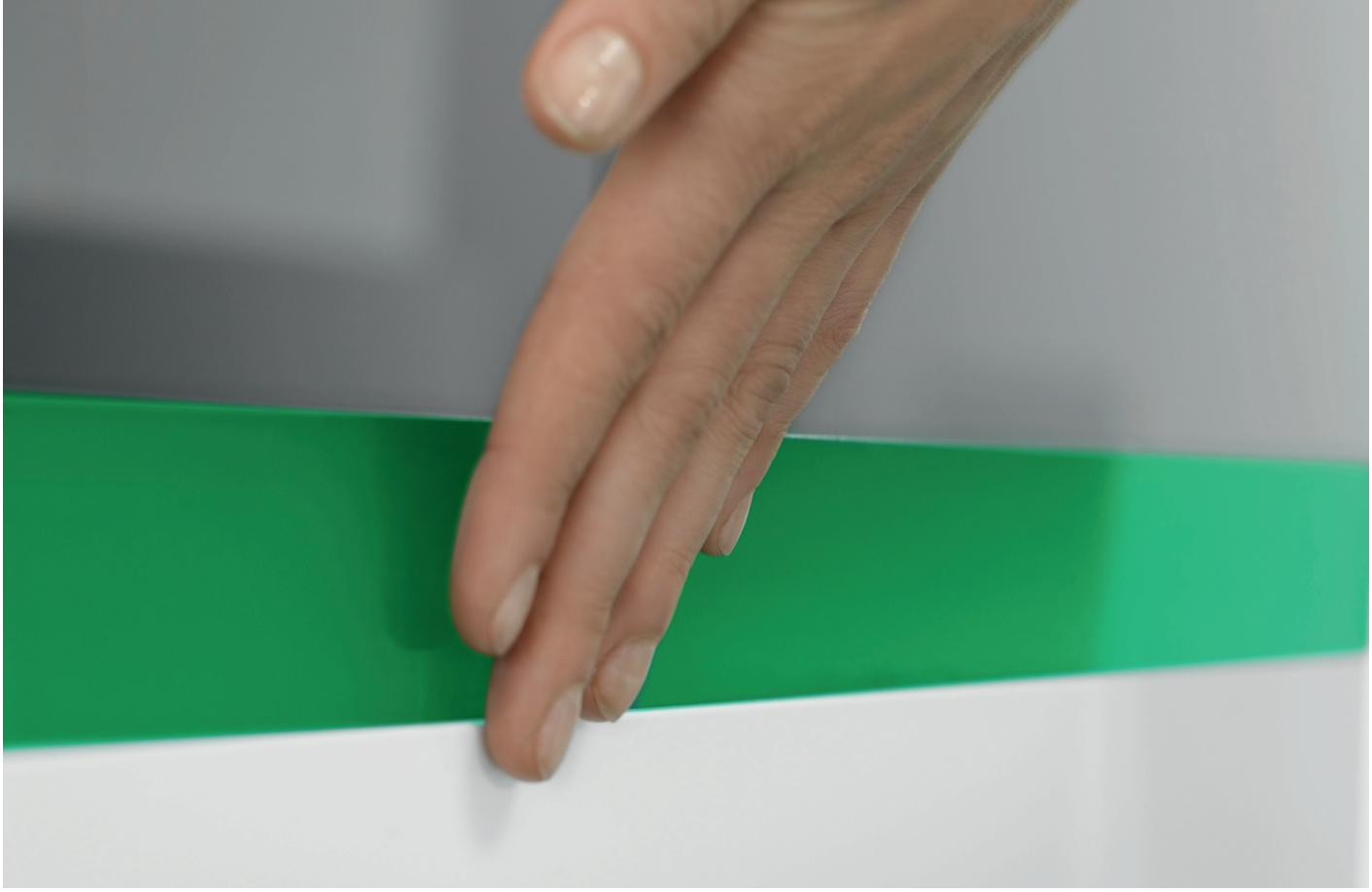
Description	Item No.	PU
Punch-in tool for front-bottom connector	**F146**083**271**101	1

Insertion Die for Dowelled Front Brackets

- For use with Nova Pro Scala Front Brackets
- Works with Grass Ecopress machine

Description	Item No.	PU
Insertion Die for dowelled front brackets	94488-01	1

PU - Packaging unit

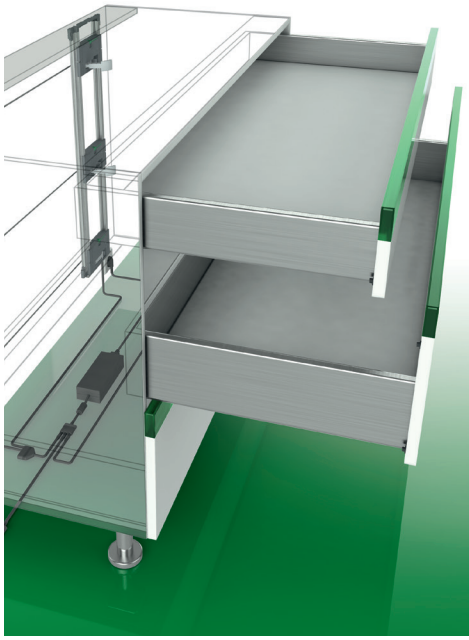


Sensomatic combines handle-free opening with the ever popular Soft-closing action

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

The Sensomatic is an electro-mechanical opening system that works with the Nova Pro Scala Drawer system. A simple installation process creates a superior drawer system.

Versatile. Efficient. Exciting.
Sensomatic combines handle-free opening with the ever popular Soft-closing action.
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.

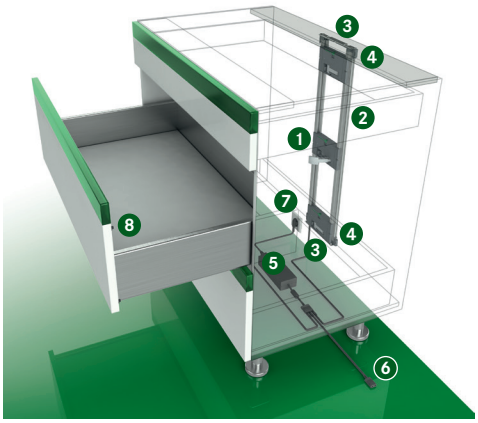
A simple installation process creates a superior drawer system. The action is steady, precise and ingenious. The perfect movement for today's functional requirements.

Sensomatic is extremely efficient in regard to power consumption and occupied space. The Sensomatic needs only one drive unit for cabinet widths up to 48" (1219mm) 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 Nova Pro Scala

Standard cabinet with horizontal wooden stretcher



- Electro-mechanical opening system
- Sensomatic works with any Nova Pro Scala drawer design
- Activated by a light touch anywhere on the drawer front
- One drive unit for cabinets widths up to 48" (1219mm)
- 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 Nova Pro Scala	**F121**100**268**607	10

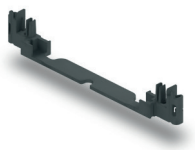
PU - 10 Pieces, individually packaged

2 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

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

7 Power Cord, 1.8 m (6')

Type of plug	Item No.	PU
Power cord (USA, CA)	**F120**069**760**207	10

8 Spring-loaded Front Bumper

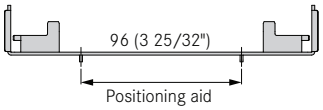
Ø 5mm	Item No.	PU
Front gap 2.2mm	**F121**100**294**223	100
Front gap 3mm	**F121**100**295**223	100

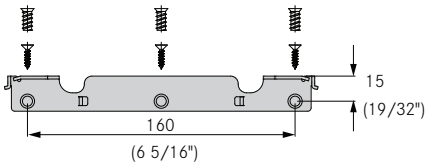
PU - Packaging unit

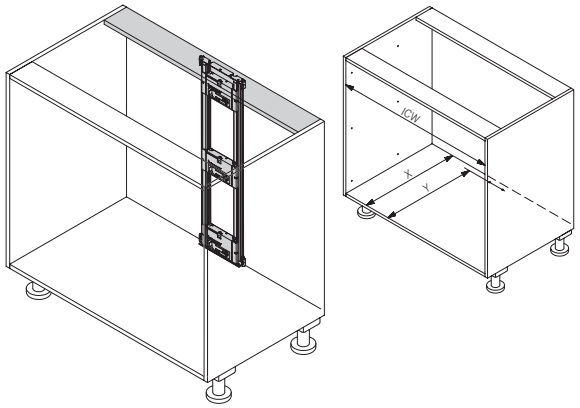
Dimensions in millimeters, fractional inch equivalents as noted.

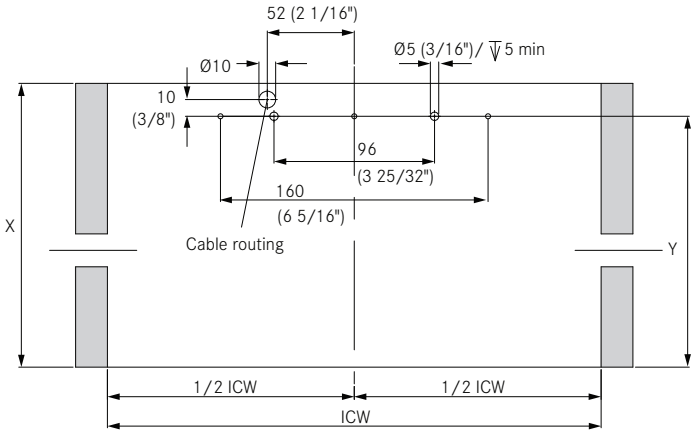
Mounting Dimensions

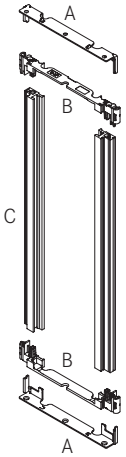
Fixing brackets positioned at top and bottom











Mounting dimensions Nova Pro Scala	X	Y	Min ICW
Wood back panel + 3mm bumper	NL + 20 (25/32")	NL + 5 (3/16")	262 (10 5/16")
Wood back panel + 2.2mm bumper	NL + 21 (13/16")	NL + 6 (1/4")	262 (10 5/16")

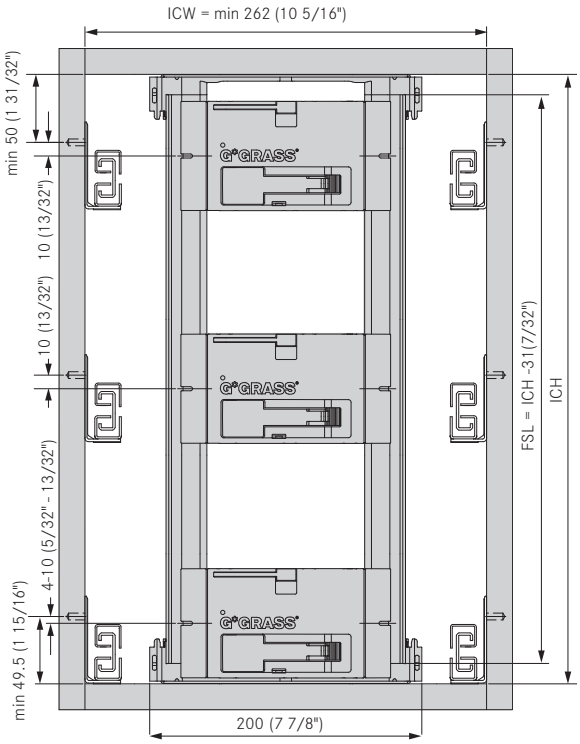
Legend

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

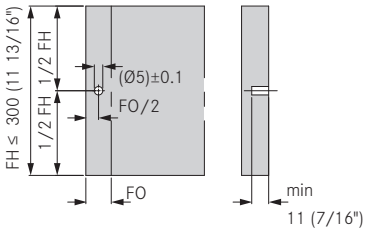
FSL = frame side length
ICH = inside cabinet height

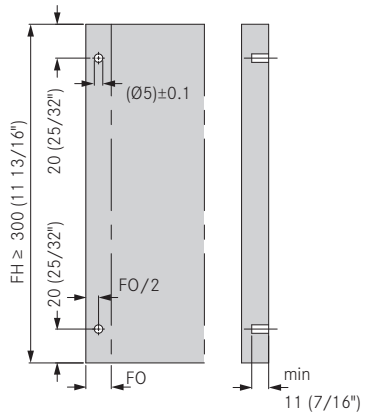
FH = front height
FO = front overlay

Position of Opening Unit for Nova Pro Scala



Position of Front Bumper



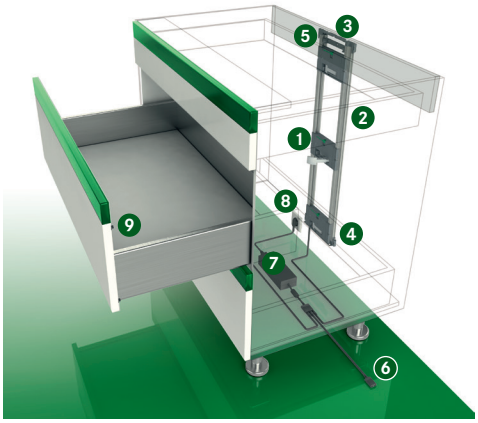


When mounting the heavy-duty slide (154 lb), it is necessary to insert 4 front bumpers into the drawer front.

Do not drive in or glue front bumpers

Sensomatic for Nova Pro Scala

Standard cabinet with vertical wooden stretcher



- Electro-mechanical opening system
- Sensomatic works with any Nova Pro Scala drawer design
- Activated by a light touch anywhere on the drawer front
- One drive unit for cabinets widths up to 48" (1219mm)
- 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 Nova Pro Scala	**F121**100**268**607	10

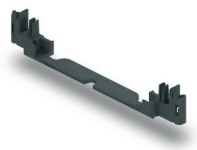
PU - 10 Pieces, individually packaged

2 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 Rear-mount Fixing Brackets

	Item No.	PU
Flush mount	**F121**100**275**207	10

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

7 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

8 Power Cord, 1.8 m (6')

Type of plug	Item No.	PU
Power cord (USA, CA)	**F120**069**760**207	10

9 Spring-loaded Front Bumper

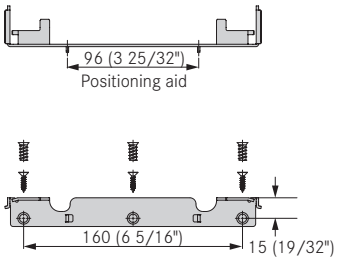
Ø 5mm	Item No.	PU
Front gap 2.2mm	**F121**100**294**223	100
Front gap 3mm	**F121**100**295**223	100

PU - Packaging unit

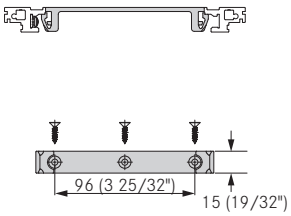
Dimensions in millimeters, fractional inch equivalents as noted.

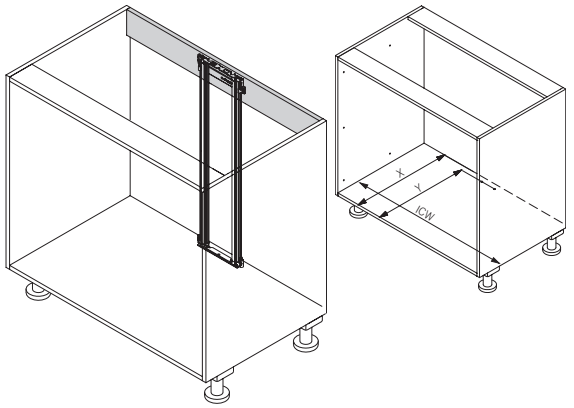
Mounting Dimensions

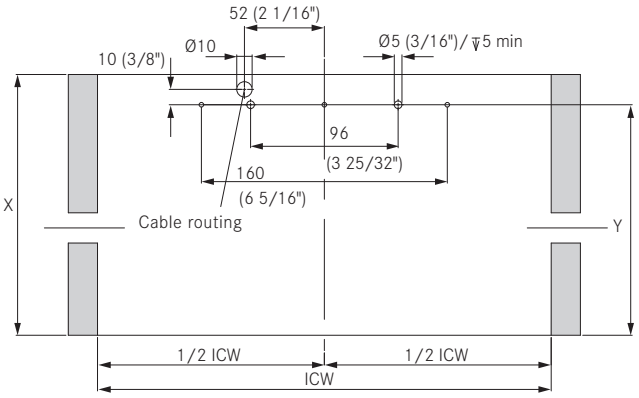
Fixing bracket positioned at bottom

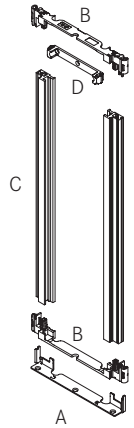


Rear-mount fixing bracket (flush mount)









Mounting dimensions Nova Pro Scala	X	Y	Min ICW
Wood back panel + 3mm bumper	NL + 20 (25/32")	NL + 5 (3/16")	262 (10 5/16")
Wood back panel + 2.2mm bumper	NL + 21 (13/16")	NL + 6 (1/4")	262 (10 5/16")

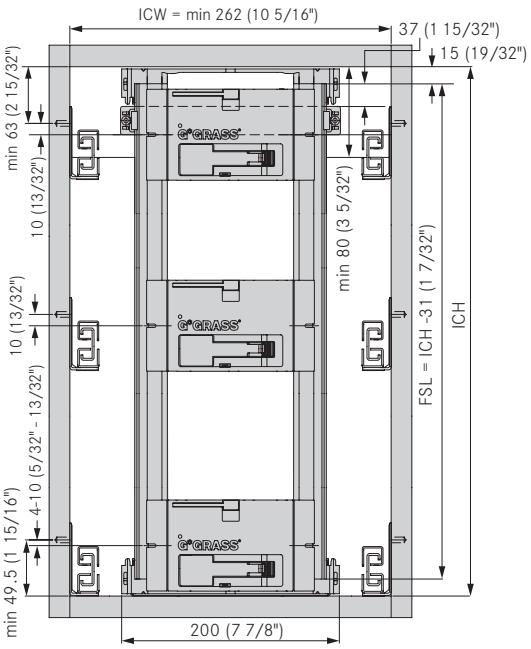
Legend

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

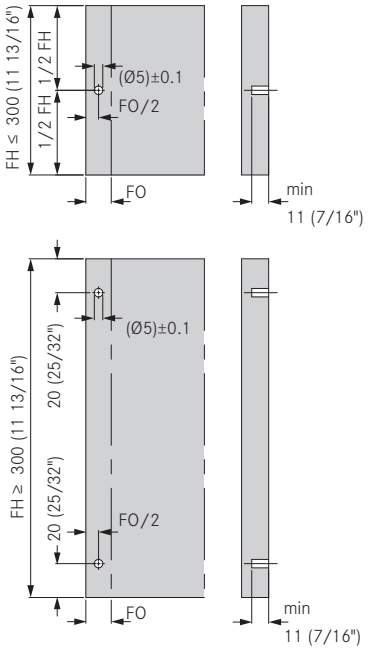
FSL = frame side length
ICH = inside cabinet height

FH = front height
FO = front overlay

Position of Opening Unit for Nova Pro Scala



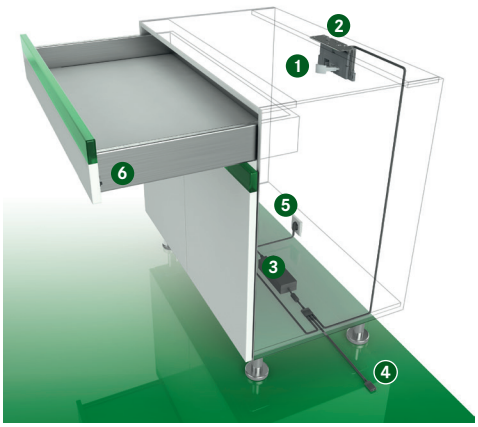
Position of Front Bumper



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

Sensomatic for Nova Pro Scala

Single drawer with top mounting



- Electro-mechanical opening system
- Sensomatic works with any Nova Pro Scala drawer design
- Activated by a light touch anywhere on the drawer front
- One drive unit for cabinets widths up to 48" (1219mm)
- 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 Nova Pro Scala	**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	**F121**100**291**207	10

5 Power Cord, 1.8 m (6')

Type of plug	Item No.	PU
Power cord (USA, CA)	**F120**069**760**207	10

6 Spring-loaded Front Bumper

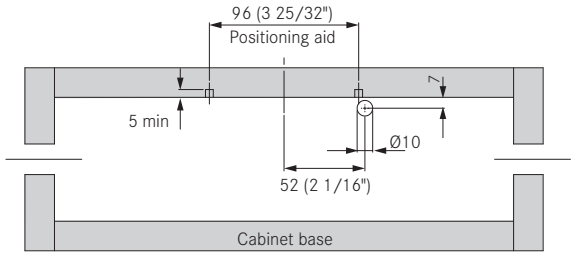
Ø 5mm	Item No.	PU
Front gap 2.2mm	**F121**100**294**223	100
Front gap 3mm	**F121**100**295**223	100

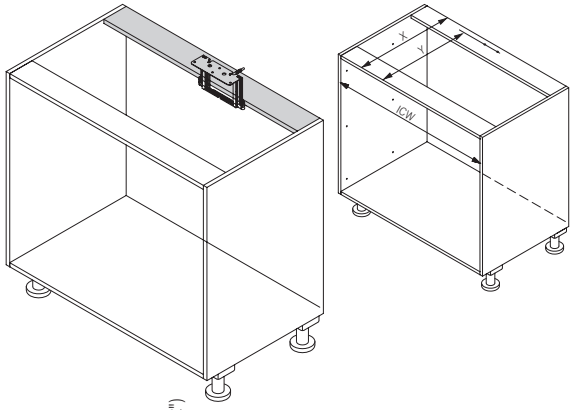
PU - Packaging unit

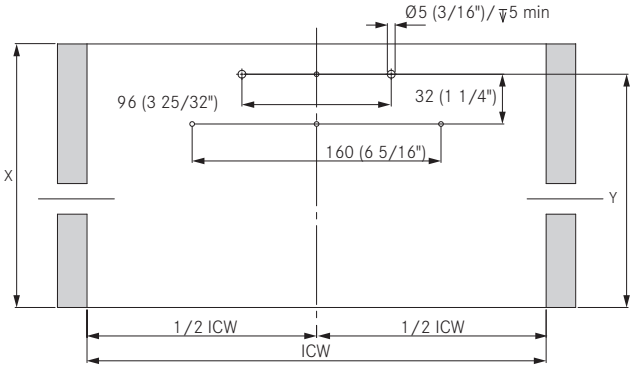
Dimensions in millimeters, fractional inch equivalents as noted.

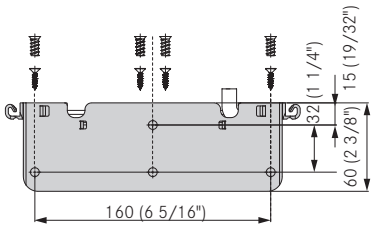
Mounting Dimensions

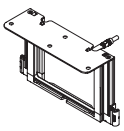
Back wall cabling



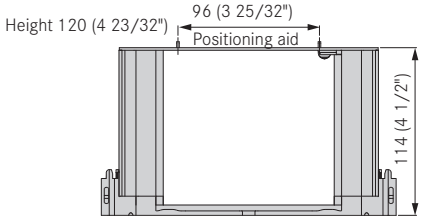








Frame for top mounting



Mounting dimensions Nova Pro Scala	X	Y	Min ICW
Wood back panel + 3mm bumper	NL + 20 (25/32")	NL + 5 (3/16")	262 (10 5/16")
Wood back panel + 2.2mm bumper	NL + 21 (13/16")	NL + 6 (1/4")	262 (10 5/16")

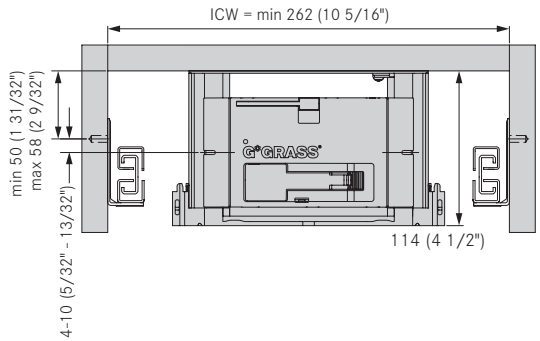
Legend

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

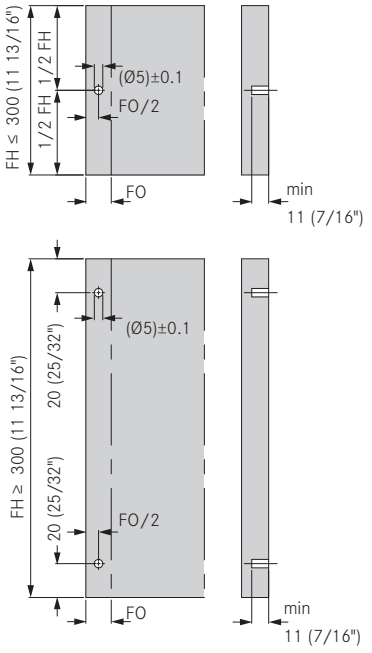
FH = front height
FO = front overlay

Position of Opening Unit for Nova Pro Scala

Height 120 (4 23/32")



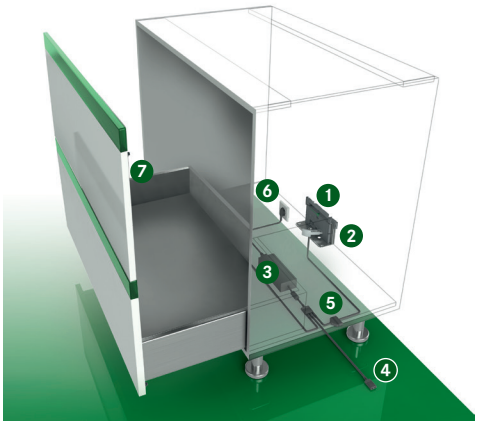
Position of Front Bumper



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

Sensomatic for Nova Pro Scala

Waste bin cabinet with bottom panel frame mounting



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- 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 Nova Pro Scala	**F121**100**268**607	10

PU - 10 Pieces, individually packaged

2 Base Frame

	Item No.	PU
for Nova Pro Scala	**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	**F121**100**291**207	10

5 4-way-adapter

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

6 Power Cord, 1.8 m (6')

Type of plug	Item No.	PU
Power cord (USA, CA)	**F120**069**760**207	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

Sensomatic Kit

Set includes:

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

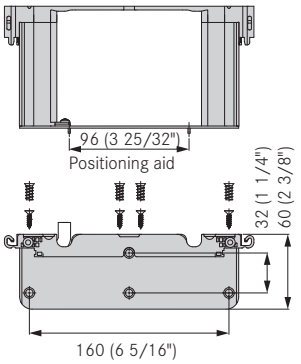
	Item No.	PU
For Nova Pro Scala	**F121**100**697**201	1

PU = 1 set

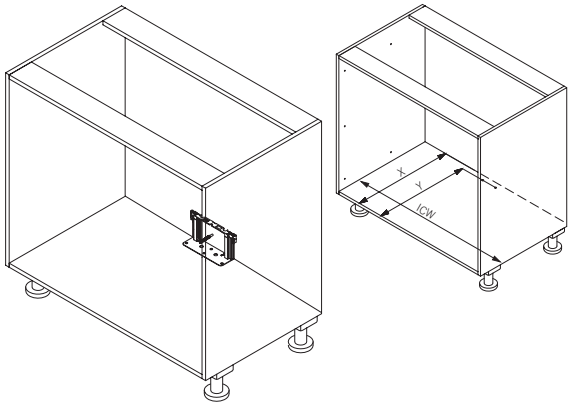
PU - Packaging unit

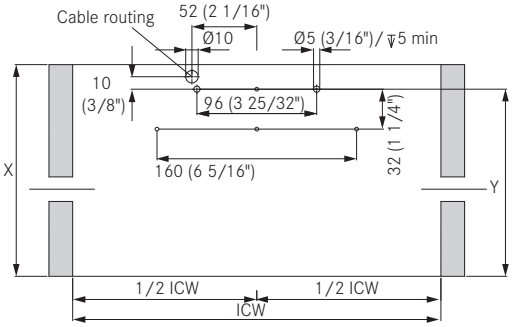
Dimensions in millimeters, fractional inch equivalents as noted.

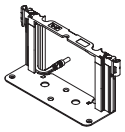
Mounting Dimensions



Base mounting







Base frame

Mounting dimensions Nova Pro Scala	X	Y	Min ICW
Wood back panel + 3mm bumper	NL + 20 (25/32")	NL + 5 (3/16")	262 (10 5/16")
Wood back panel + 2.2mm bumper	NL + 21 (13/16")	NL + 6 (1/4")	262 (10 5/16")

Legend

ICW = inside cabinet width

NL = nominal length of cabinet slide

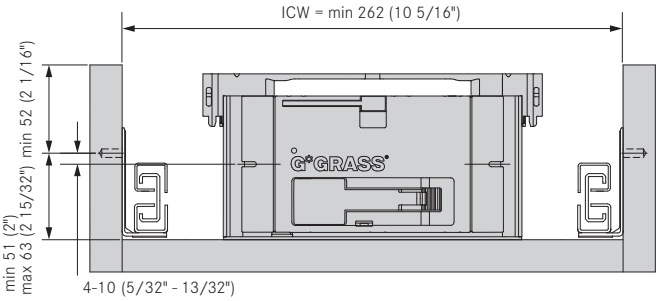
X = min installation depth

Y = depth of hole pattern

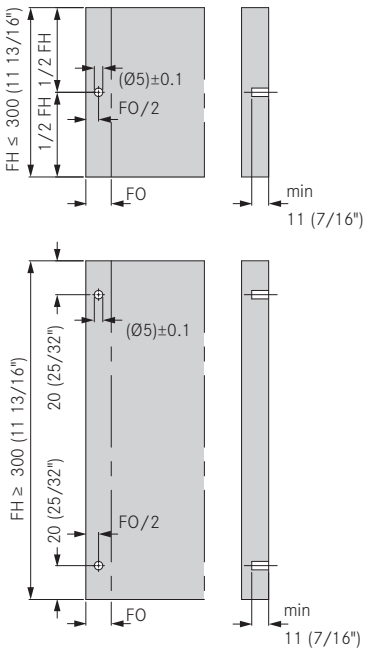
FH = front height

FO = front overlay

Position of Opening Unit for Nova Pro Scala



Position of Front Bumper



When mounting the heavy-duty slide (154 lb), it is necessary to insert 4 front bumpers into the drawer front.

Do not drive in or glue front bumpers

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