



CABINET HARDWARE SYSTEMS

**DRAWER SYSTEMS
GRASS® NOVA PRO SCALA**

#DSY-NPS

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DRAWER SYSTEMS

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DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM



G*GRASS®



GRASS® NOVA PRO SCALA DRAWER SYSTEM

The new drawer generation.
Inspiration in the right angle.
Simple. Clear. Timeless.



DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM



Nova Pro Scala incorporates
the best of Nova Pro.
And much more besides!

250 millimetres.
**This means an entirely new
dimension in drawer sides.**

The conventional wooden drawer is basically a four-sided box with a front panel. Strictly speaking, we are adopting a back-to-basics approach in offering a 250 mm drawer side for Nova Pro Scala. The new drawer side is high, closed and aesthetic. Sounds good. And it is.



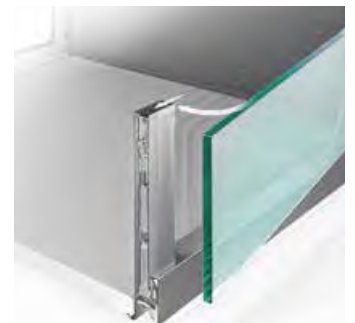
DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM



GRASS® NOVA PRO SCALA DRAWER SYSTEM

Nova Pro epitomises exceptional ease of opening, outstanding running properties, minimal drawer deflection and top reliability. Nova Pro Scala stands for versatility, neutral aesthetics, inspiration and creativity.



Nova Pro Scala has a number of large and small technical improvements.

Extraordinary product solutions evolve as the result of a continuous innovative force and concentration on the needs of our customers. The aim of our developers was to accommodate the track-proven technical features inside the high-tech drawer in the smallest possible space to give the design aspirations of furniture designers literally the greatest possible room for development. The result was an evolution based on the renowned Nova Pro concept: Nova Pro Scala.

The Crystal Plus clip technology ensures simple assembly and removal as well as reliable attachment of the design elements. On Nova Pro Scala all visible plastic parts are covered with steel, eliminating colour differences between the individual parts. Everything is flush-fitting and matches perfectly to provide a harmonious, elegant impression.

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM



Nova Pro Scala
is inspiration in
the right angle.

**Metallic colours, fine structures
and satin finishes – these are
the features of modern design.**

The natural reflection of light and the fine surface structure inspired the colour ICE. STONE as the symbol of eternity was the inspiration for this finish.

The colour SILVER (special request) makes it possible to carry this design principle through to the furniture interior.



DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

Simple. Clear. Timeless.

Neutral, timeless style for ultra-modern, puristic furniture as well as for traditional, classic designs; for kitchens as well as for bathrooms and living areas.



Optimum space utilisation.

A minimum construction width and the 90-degree inside surfaces of the slim Scala drawer sides ensure up to 11 per cent more storage space.

Nova Pro Scala is design reduced to the essence – to clear the design principles on the one hand and to the perfect unity of form and function on the other.

The purist design concept with its striking lines, right angles and small radii gives the double-wall metal drawer sides a timeless, technical and functional look. The special character of Nova Pro is hallmarked by its perfection down to the last detail and the modular system concept. Everything is focused on perfect function, top quality and lasting value – from the precision craftsmanship of every individual part as well as the colour and surface finishes.

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM



Individualisation.
Looking for ways to stand
out from the crowd?

Tavinea Sorto interior accessory system.

The interior accessory system is designed to avoid anything superfluous and to do what it is really aimed at: tidying up the content of drawers. Tavinea Sorto appeals with its sleek design and compelling system that couldn't be less complicated. Two frame elements, one divider rail. That's it. That is all you need.

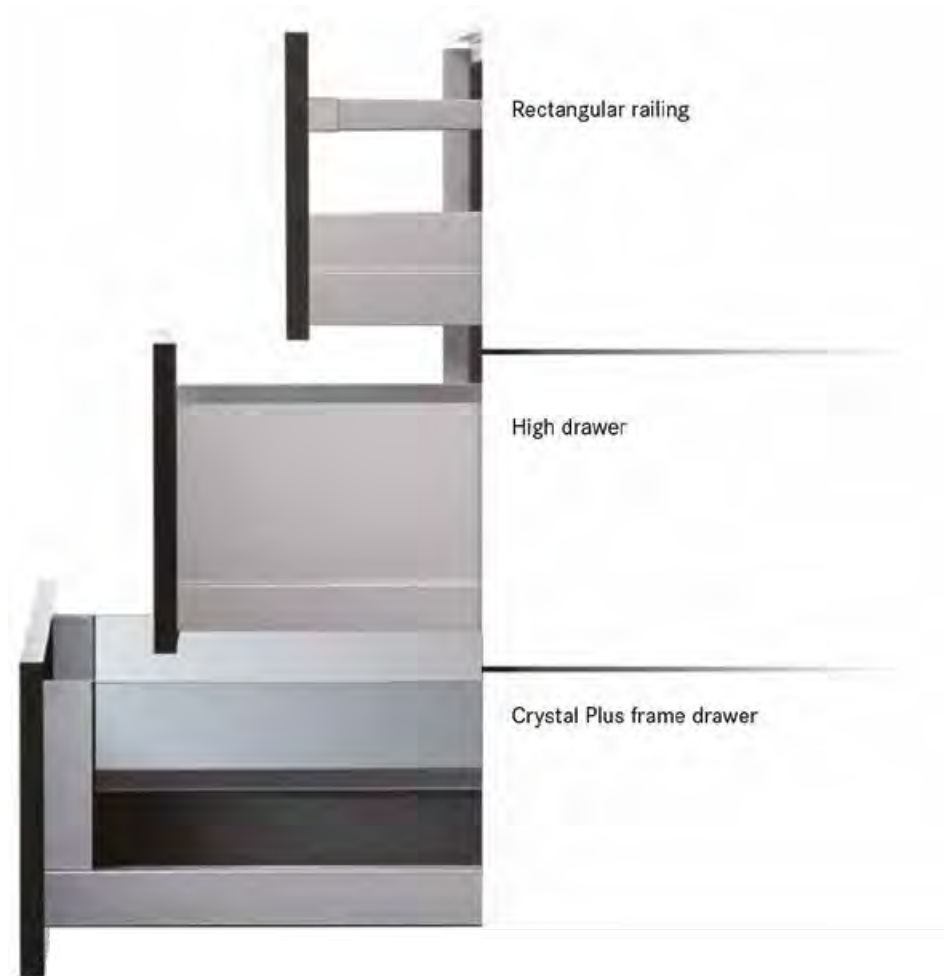


DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

Individual designs.

Flush-fitting designer panels make Scala the most variable drawer system of its time.



Differentiation.

Nova Pro Scala enables the creation of styles, functions and values that make that decisive difference.

**Anyone who wants to be successful must be able to set themselves apart.
This simple rule applies equally to all products.**

To the kitchen, living room and bathroom furniture of our customers as well as to the GRASS movement systems. This made it all the more important for us to develop Nova Pro Scala as a drawer system which provides our customers with a fantastic way to make their products stand out from the crowd.

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM



Good to know the movement is not only technically functional, but also extremely comfortable. Because that makes every opening action an experience.

Opening drawers has never offered such comfort. And closing them has never been such a satisfying experience. The GRASS comfort systems and Nova Pro Scala complement each other to form a harmonious multi-functional unit. We aim to combine the advantages of handle-free opening with the elegance of damped closing. Because the combination of these outstanding functions guarantees the highest level of operating comfort.

It's good to find things that were simply made for each other.



DRAWER SYSTEMS

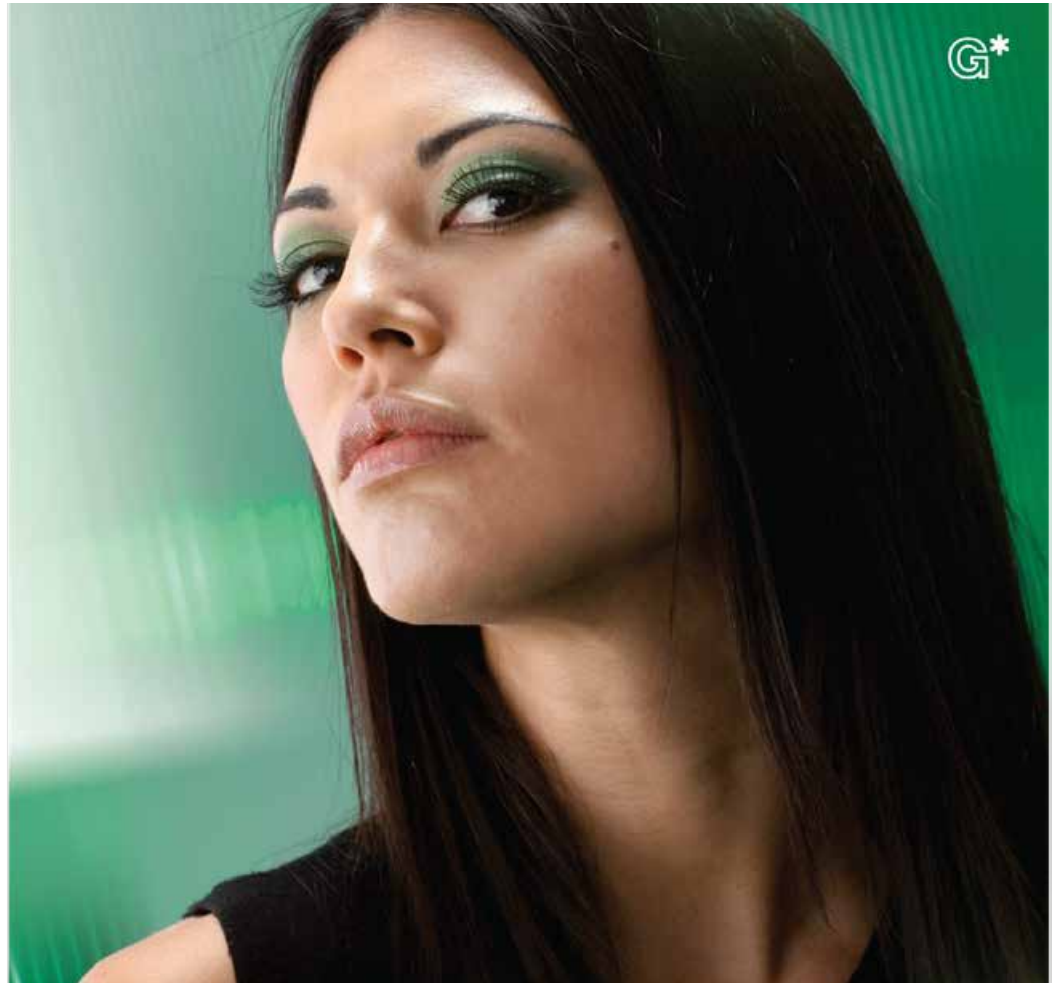
GRASS® NOVA PRO SCALA DRAWER SYSTEM

TIPMATIC SOFT-CLOSE OPENING SYSTEM

Handle-free opening and gentle closing of drawers and pull-outs.

Tipmatic Soft-close is an ideal option for distinctively designed furniture. Thanks to the touch-activated mechanism, it is possible to incorporate large fronts without handles which open at the lightest touch.

The new Tipmatic Soft-close opening system combines the advantages of the mechanical opening mechanism with the comfort of the tried and tested Soft-close damping system and, with its adjustable 3-stage pull-out force, ensures extremely smooth movement – irrespective of the weight and size of the furniture fronts.



SOFT-CLOSE DAMPING SYSTEM

With the GRASS Soft-close damping concept, each movement becomes an experience. Closing Nova Pro Scala drawers with Soft-close is something special. Soft-close gently slows the fronts and pulls them to the fully closed position.

With the very low pull-out forces, slender handles are also possible.

DRAWER SYSTEMS

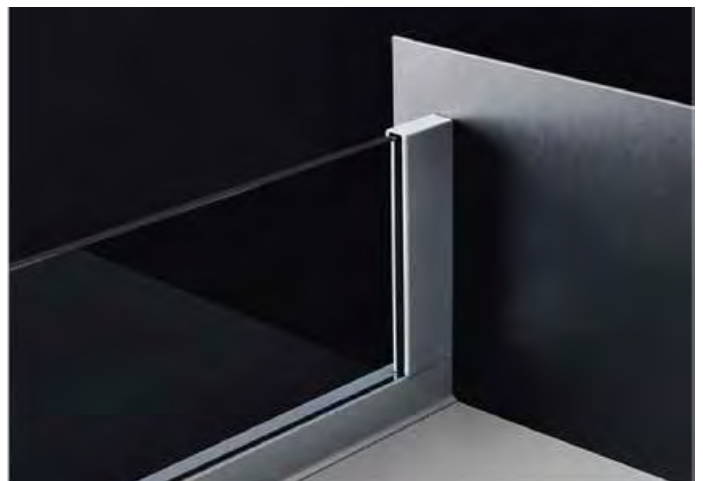
GRASS® NOVA PRO SCALA DRAWER SYSTEM



Modern furniture shows what it is made of. With this in mind Nova Pro Scala offers the Crystal Plus system.

The absolute minimum for the technical elements, a strong holder at the front and back – let the fun begin!

Individual taste then decides whether glass or another material is used as a design element. The special advantage of the new Crystal Plus frame drawer is the newly developed clip technology. It ensures safe and strong bracing of large design elements without having to prepare them in any way.



DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM



Nova Pro Scala – thanks to its modular system, it offers everything desired of furniture.

A modular system requires standards that can be combined.

In the case of Nova Pro Scala, these are five drawer side heights. Starting with 63 mm for a shallow drawer side via the classic 90 mm, through to the intermediate height of 122 mm, and 186 and 250 mm for drawers with particularly high closed sides, a drawer with a rectangular railing and last but not least, the Crystal Plus frame drawer.



DRAWER SYSTEMS

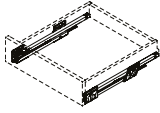
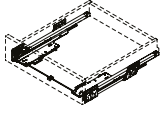
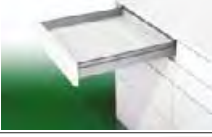
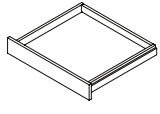
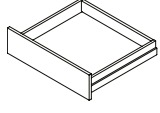
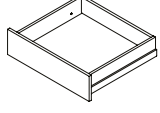
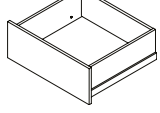
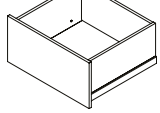
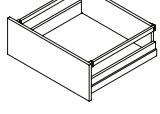
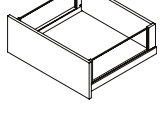
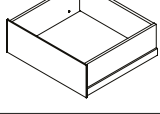
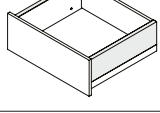
GRASS® NOVA PRO SCALA DRAWER SYSTEM

Nova Pro Scala enables the creation of styles, functions and values which make all the difference.

	NOVA PRO TIPMATIC SOFT-CLOSE Mechanical opening system for handle-free fronts.	18
	NOVA PRO SCALA The new drawer generation is a perfect combination of form and function and opens up a wide range of differentiation options.	20
	DIVIDING AND ORGANISING SYSTEMS Organising, dividing, fitting out – useful aids for organising storage space.	40
	ASSEMBLY TECHNOLOGY Installation and assembly aids. Track-proven, tried and tested technology for professional efficiency.	53

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GRASS® NOVA PRO SCALA DRAWER SYSTEM

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	Pot Drawer H90 with Rectangular Railing - Snug-fitting rectangular railing - Flush-fitting back panel adapter - Minimum plastic parts		30
	Crystal Plus Frame Drawer for Large Slide-in Elements - Patented clip technology makes it easy to slide the elements in - No additional clips or cover caps - High level of stability, also without front and slide-in elements		32
	F8 Inset Drawers - Colour-coordinated aluminium front panel profile - Same dimensions as for standard drawers (inside depth) - Available in the heights H90 and H186		34
	Designer Panels Installation information for designer panels H63, H90, H122, H186 and H250		49

DRAWER SYSTEMS

GRASS® NOVA PRO SOFT-CLOSE

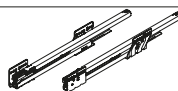
► Full Extension Slide 40/70kg



- Excellent running characteristics
- Fully-synchronised slide technology
- Soft-close damping system
- End stop damper
- Utmost lateral stability
- Minimum drawer deflection
- Suitable for all Nova Pro Scala drawer sides



1 Nova Pro full extension slide Soft-close
Set: One left, one right

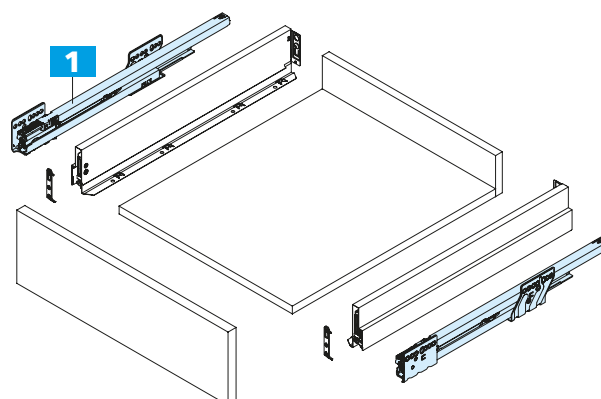


NL	40 kg	70kg
270	F101108261 507	
300	F101108264 507	
350	F101108267 507	
400	F101108270 507	
450	F101108273 507	
500	F101108276 507	F101108288 507
550	F101108279 507	F101108291 507
600	F101108282 507	F101108294 507
650		F101108297 507

A 900mm wide pot drawer with a 600mm tall front panel alone can weigh up to 15kg, leaving only 25kg effective load capacity when using a 40kg runner.

Upgrading to a pair of 70kg runners ensures that the pot drawer can easily carry the weight of a collection of cast-iron cookware, for example.

70kg Nova Pro Soft-Close runners are designed to support large capacity Nova Pro Scala H186 and H250 drawers.



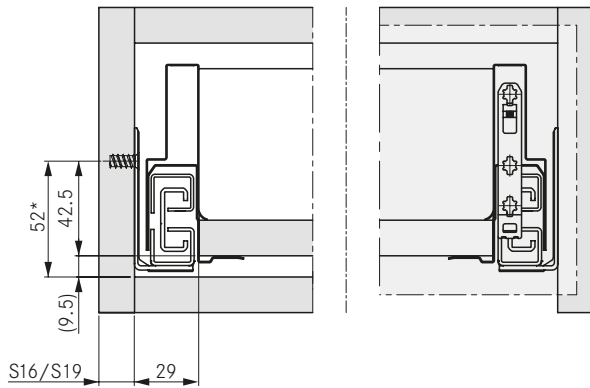
DRAWER SYSTEMS

GRASS® NOVA PRO SOFT-CLOSE

► Planning Dimensions

All dimensions in millimetres

Slide installation dimensions

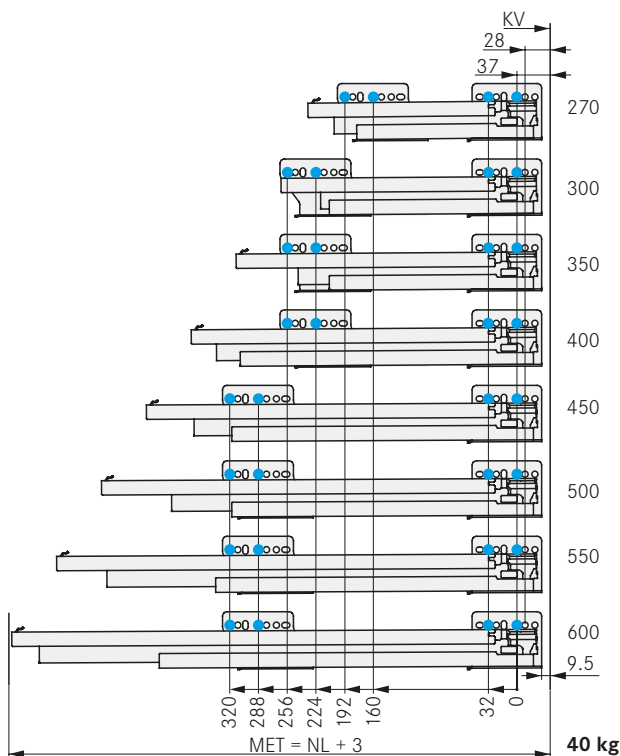
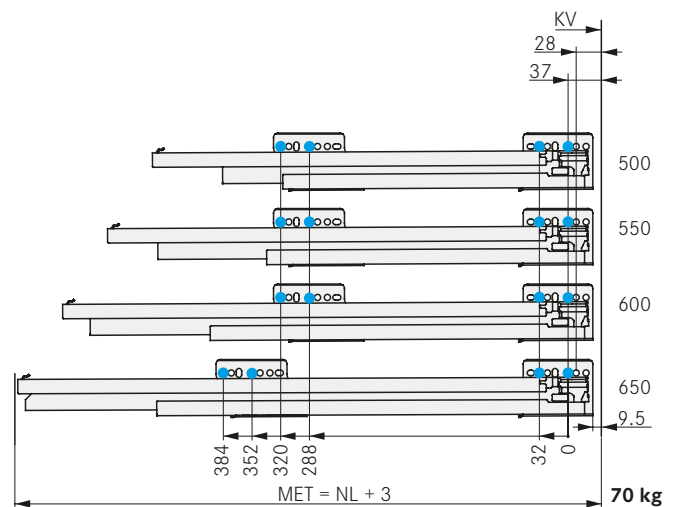


* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm

Fixing positions for full extension slide



Euro screw Ø 6 x 13 mm



Legend

B	Bottom panel	FST	Front overlay	NL	Nominal length
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet	RW	Back panel
EB	Construction width	LWK	Inside cabinet width	RWB	Width of back panel
FAS	Front overlay, side	MET	Minimum installation depth	RWH	Height of back panel

DRAWER SYSTEMS

GRASS® NOVA PRO TIPMATIC SOFT-CLOSE

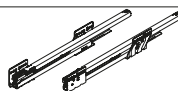
► Touch-to-Open System



- Mechanical opening system for handle-free fronts
- Combines Tipmatic function with Soft-close damping
- Simple assembly of the Tipmatic Soft-close unit
- Can be used for Nova Pro Soft-close full extension slides
- One unit for all nominal lengths and weight classes
- 3-stage adjustment of the opening force
- Large activation area with the synchronisation rod

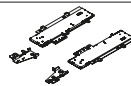


- 1** Nova Pro full extension slide Soft-close
Set: one left, one right



NL	40kg	70kg
270	F101108261 507	
300	F101108264 507	
350	F101108267 507	
400	F101108270 507	
450	F101108273 507	
500	F101108276 507	F101108288 507
550	F101108279 507	F101108291 507
600	F101108282 507	F101108294 507
650		F101108297 507

- 2** Nova Pro Tipmatic Soft-close
Set: unit and activator, one on each side left/right



Description	Part Number
For screw fixing	F102109293 607

- 3** Synchronisation rod for Nova Pro
Tipmatic Soft-close
Single item: for cutting to length

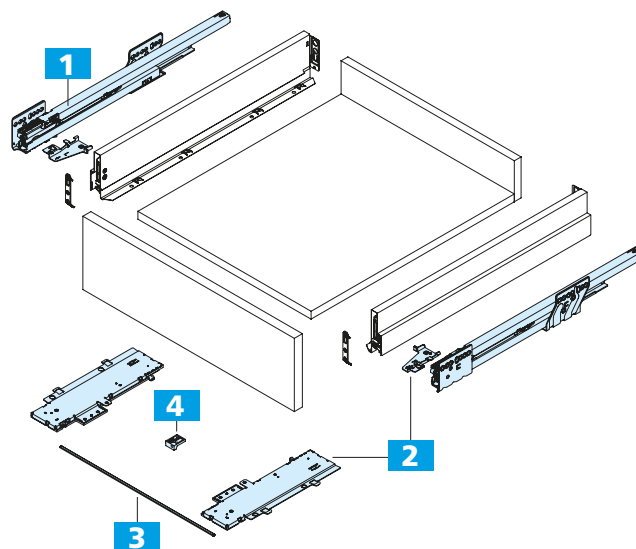


Description	Part Number
Length: 962mm	F102109393 207

- 4** Support for synchronisation rod
Single item: for screw fixing



Description	Part Number
From KB 800mm	F102108021 223



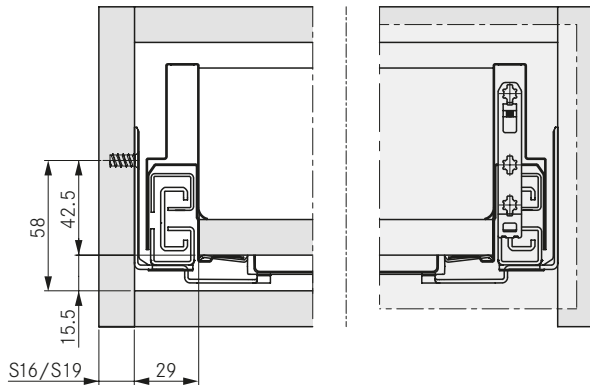
DRAWER SYSTEMS

GRASS® NOVA PRO TIPMATIC SOFT-CLOSE

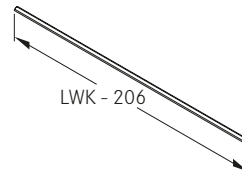
► Planning Dimensions

All dimensions in millimetres

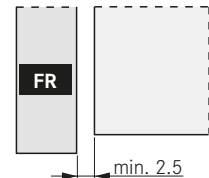
Slide installation dimensions



Synchronisation rod cutting dimension



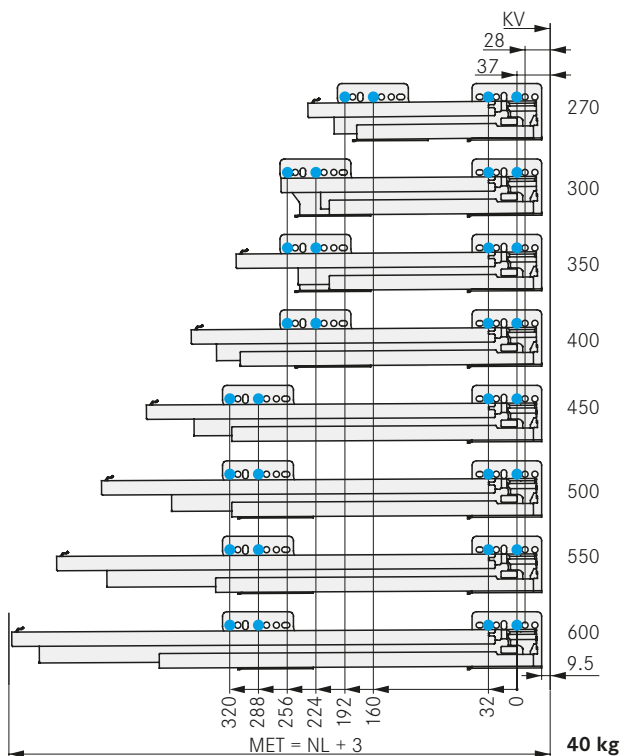
Minimum front gap



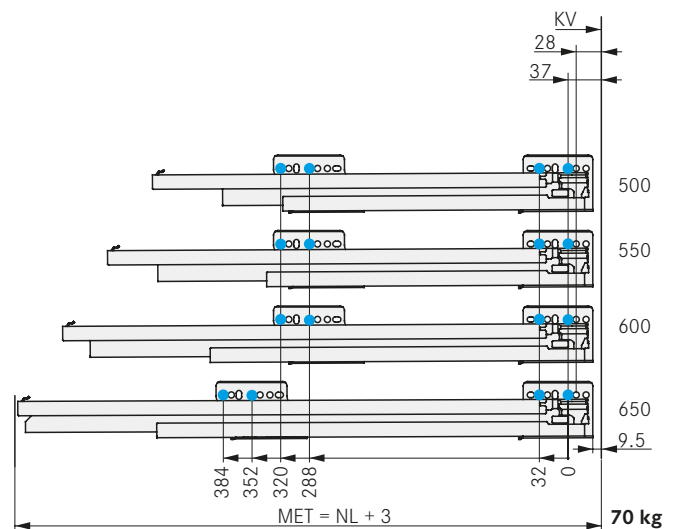
Fixing positions for full extension slide



Euro screw Ø 6 x 13 mm



40 kg



70 kg

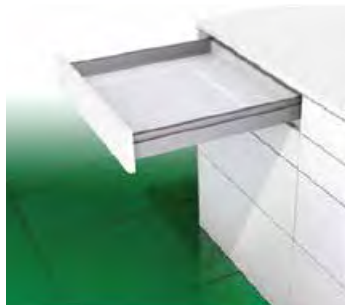
Legend

B	Bottom panel	FST	Front overlay	NL	Nominal length
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet	RW	Back panel
EB	Construction width	LWK	Inside cabinet width	RWB	Width of back panel
FAS	Front overlay, side	MET	Minimum installation depth	RWH	Height of back panel

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

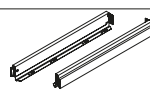
► Drawer H63



- Extremely low drawer for limited heights
- Can be personalised with designer panels
- Integrated height and side adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Robust design and high level of stability
- Tool-free installation and removal of the front
- Width of bottom and back panel is the same
- Bottom panel machining not required



- 1** Nova Pro Scala drawer sides H63
Set: One left, one right

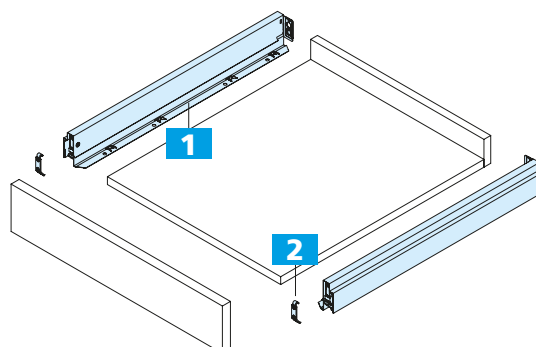


NL	Stone	Ice
500	F100103015 201	F100103042 201
550	F100103018 201	F100103045 201

- 2** Installation hook
Single item: Can be used on left/right



	Description	Part Number
	Expansion dowel	F102117716 540
	For press fitting	F102038331 123
	For screw fixing	F102038330 123



DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

► Planning Dimensions

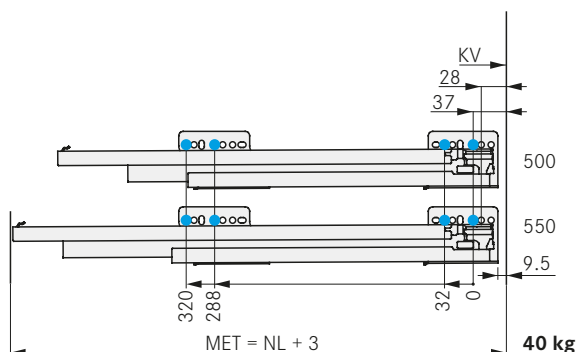
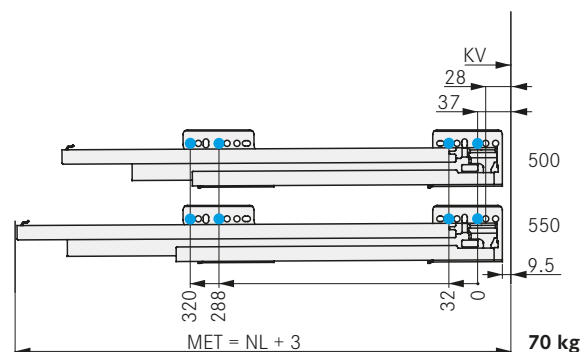
All dimensions in millimetres

Front installation dimensions	Back panel installation dimensions	Cutting Dimensions for 16mm chipboard								
* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm										
<table><tr><th colspan="2">Slide</th></tr><tr><td>S</td><td>16 / 19</td></tr><tr><td>EB</td><td>29</td></tr><tr><td>A</td><td>21.5</td></tr></table>			Slide		S	16 / 19	EB	29	A	21.5
Slide										
S	16 / 19									
EB	29									
A	21.5									

Fixing positions for full extension slide



Euro screw Ø 6 x 13 mm



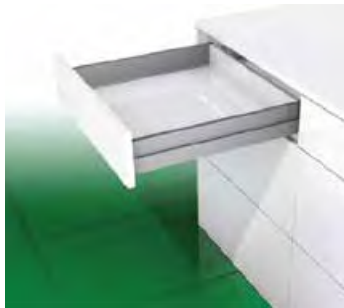
Legend

B	Bottom panel	FST	Front overlay	NL	Nominal length
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet	RW	Back panel
EB	Construction width	LWK	Inside cabinet width	RWB	Width of back panel
FAS	Front overlay, side	MET	Minimum installation depth	RWH	Height of back panel

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

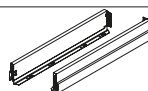
► Drawer H90



- The practical standard drawer for all applications
- Can be personalised with designer panels
- Integrated height and side adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Robust design and high level of stability
- Tool-free installation and removal of the front
- Width of bottom and back panel is the same
- Bottom panel machining not required



- 1** Nova Pro Scala drawer sides H90
Set: One left, one right

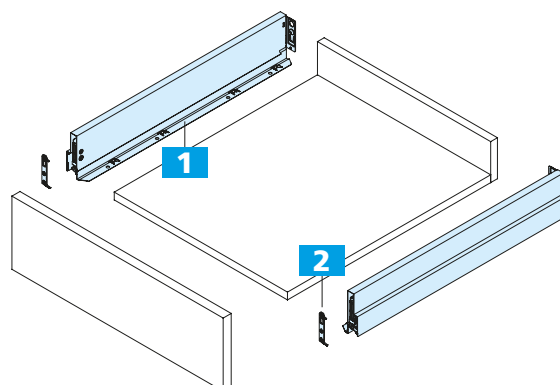


NL	Stone	Ice
270	F100103108 201	F100103135 201
300	F100103111 201	F100103138 201
350	F100103114 201	F100103141 201
400	F100103117 201	F100103144 201
450	F100103120 201	F100103147 201
500	F100103123 201	F100103150 201
550	F100103126 201	F100103153 201
600	F100103129 201	F100103156 201
650	F100103132 201	F100103159 201

- 2** Installation hook
Single item: Can be used on left/right



	Description	Part Number
32mm	Expansion dowel	F102117719 547
32mm	For press fitting	F102021854 123
	For screw fixing	F102021855 123

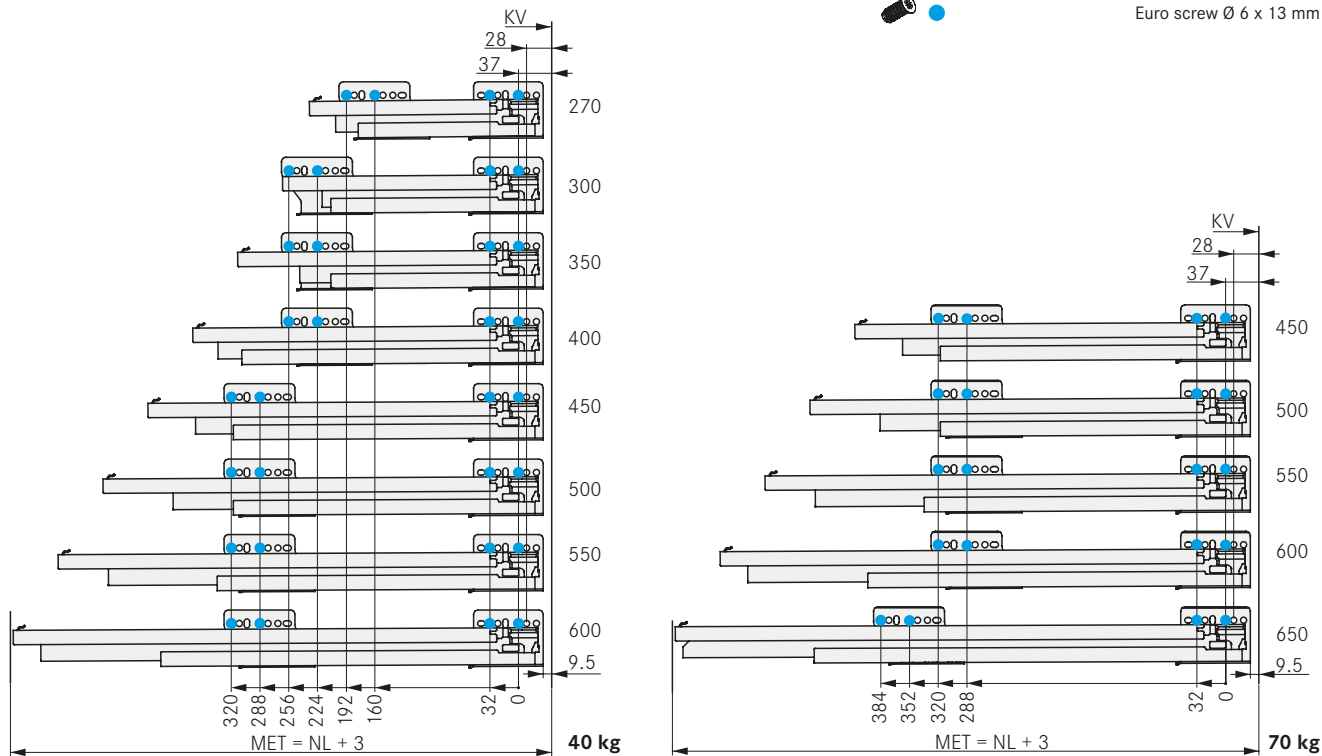


GRASS® NOVA PRO SCALA DRAWER SYSTEM

All dimensions in millimetres

* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm

Euro screw Ø 6 x 13 mm



B	Bottom panel	FST	Front overlay	NL	Nominal length
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet	RW	Back panel
EB	Construction width	LWK	Inside cabinet width	RWB	Width of back panel
FAS	Front overlay, side	MET	Minimum installation depth	RWH	Height of back panel

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

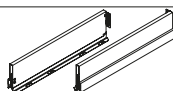
► Mid-height Drawer H122



- The elegant intermediate height for special applications
- Can be personalised with designer panels
- Integrated height, side and tilt angle adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Robust design and high level of stability
- Tool-free installation and removal of the front
- Width of bottom and back panel is the same
- Bottom panel machining not required



- 1** Nova Pro Scala drawer sides H122
Set: One left, one right

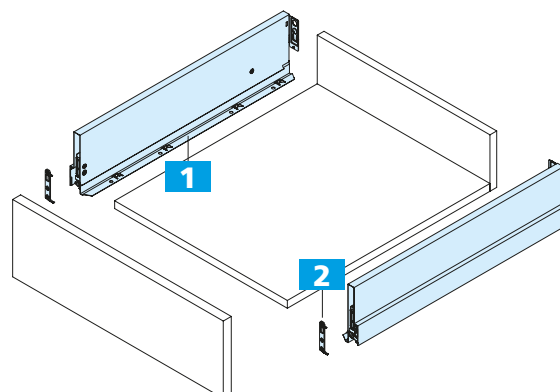


NL	Stone	Ice
400	F100103225 201	F100103252 201
450	F100103228 201	F100103255 201
500	F100103231 201	F100103258 201
550	F100103234 201	F100103261 201
600		F100103264 201

- 2** Installation hook
Single item: Can be used on left/right



	Description	Part Number
32mm	Expansion dowel	F102117719 547
32mm	For press fitting	F102021854 123
	For screw fixing	F102021855 123



DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

► Planning Dimensions

All dimensions in millimetres

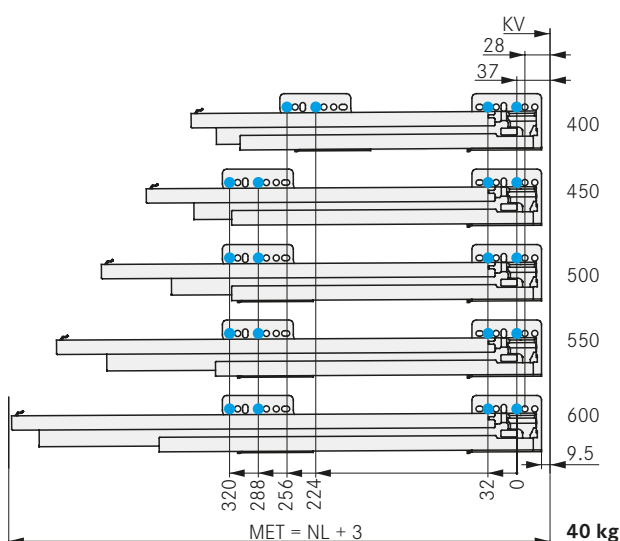
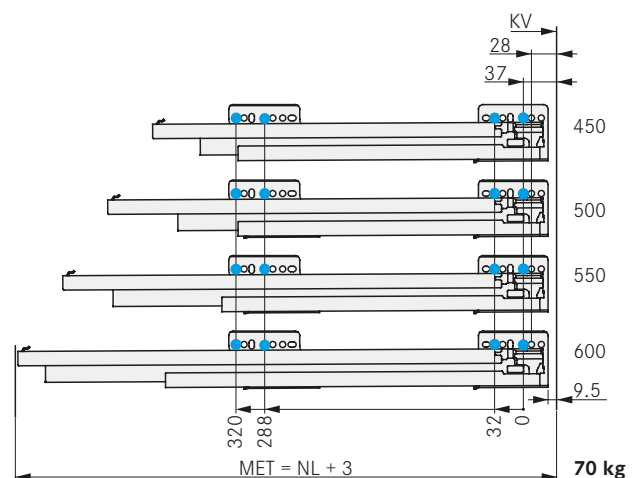
Front installation dimensions	Back panel installation dimensions	Cutting Dimensions for 16mm chipboard								
<table><tr><th colspan="2">Slide</th></tr><tr><td>S</td><td>16 / 19</td></tr><tr><td>EB</td><td>29</td></tr><tr><td>A</td><td>21.5</td></tr></table>			Slide		S	16 / 19	EB	29	A	21.5
Slide										
S	16 / 19									
EB	29									
A	21.5									

* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm

Fixing positions for full extension slide



Euro screw Ø 6 x 13 mm



Legend

B	Bottom panel	FST	Front overlay	NL	Nominal length
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet	RW	Back panel
EB	Construction width	LWK	Inside cabinet width	RWB	Width of back panel
FAS	Front overlay, side	MET	Minimum installation depth	RWH	Height of back panel

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

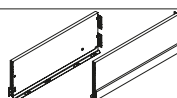
► High Drawer H186



- Slim, closed drawer side
- High stability up to a front height of 780 mm
- Can be personalised with designer panels
- Integrated height, side and tilt angle adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Tool-free installation and removal of the front
- Width of bottom and back panel is the same
- Bottom panel machining not required



- 1** Nova Pro Scala drawer sides H186
Set: One left, one right



NL	Stone	Ice
270	F100103300 201	F100103327 201
300	F100103303 201	F100103330 201
350	F100103306 201	F100103333 201
400	F100103309 201	F100103336 201
450	F100103312 201	F100103339 201
500	F100103315 201	F100103342 201
550	F100103318 201	F100103345 201
600	F100103321 201	F100103348 201
650	F100103324 201	F100103351 201

- 2** Installation hook
Single item: Can be used on left/right

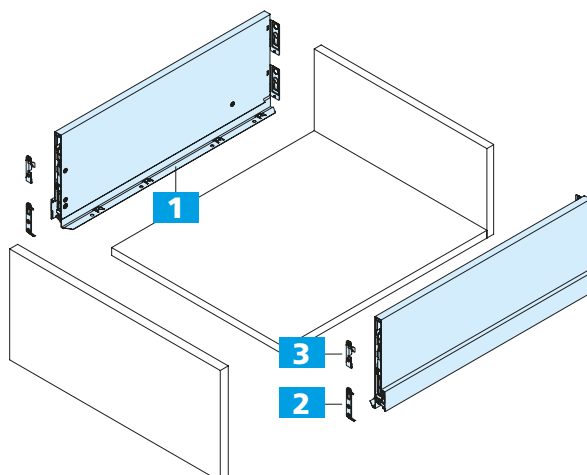


	Description	Part Number
32mm	Expansion dowel	F102117719 547
32mm	For press fitting	F102021854 123
	For screw fixing	F102021855 123

- 3** Front clip
Single item: Can be used on left/right



	Description	Part Number
32mm	Expansion dowel	F102104835 123
32mm	For press fitting	F102104834 123
32mm	For screw fixing	F102104833 123

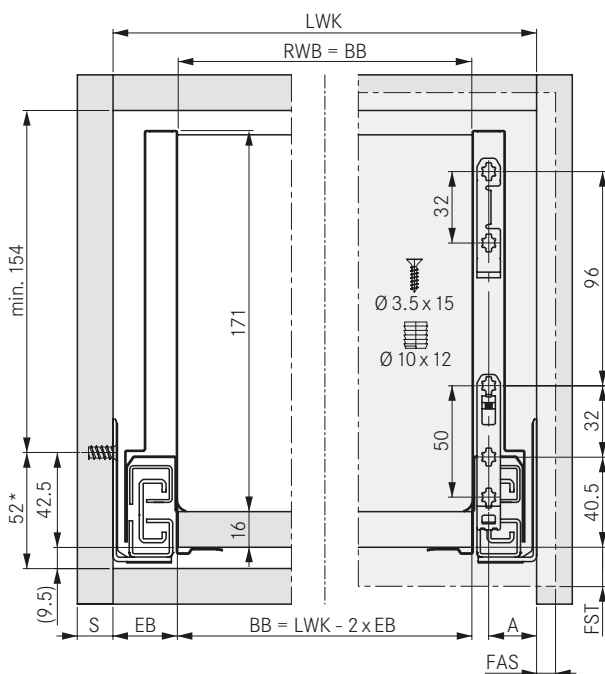
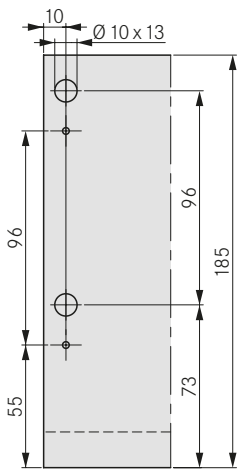
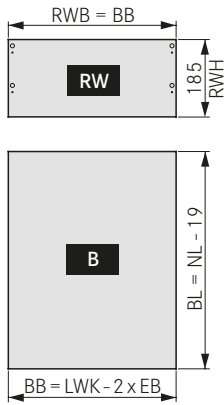


DRAWER SYSTEMS

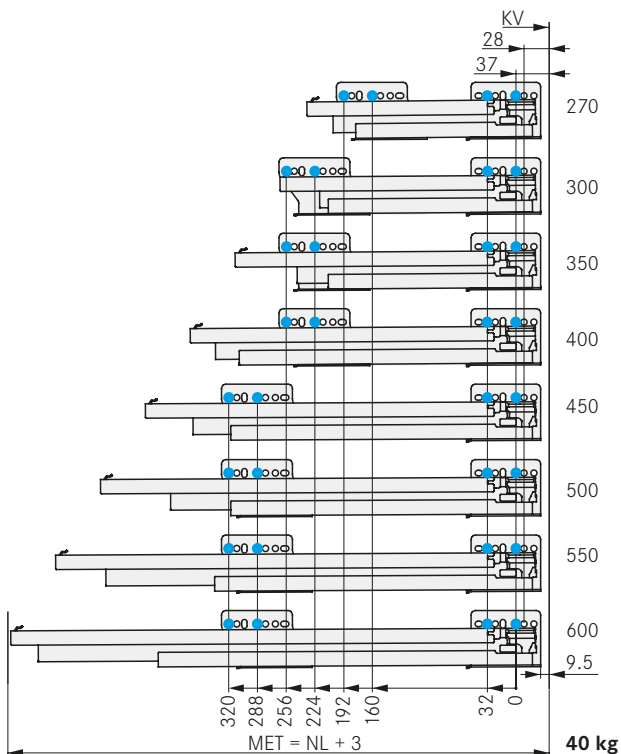
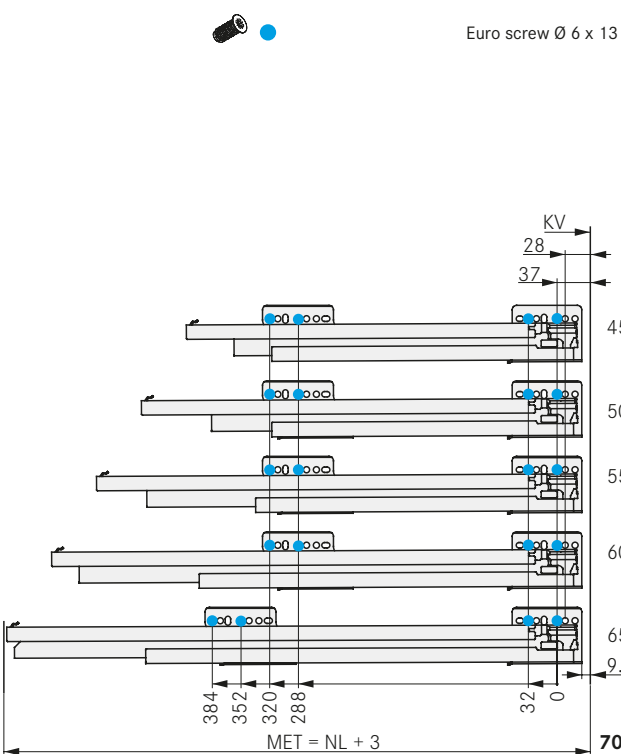
GRASS® NOVA PRO SCALA DRAWER SYSTEM

► Planning Dimensions

All dimensions in millimetres

Front installation dimensions	Back panel installation dimensions	Cutting Dimensions for 16mm chipboard
		
* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm		

Fixing positions for full extension slide

	
Euro screw Ø 6 x 13 mm	

Legend			
B	Bottom panel	FST	Front overlay
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet
EB	Construction width	LWK	Inside cabinet width
FAS	Front overlay, side	MET	Minimum installation depth
		NL	Nominal length
		RW	Back panel
		RWB	Width of back panel
		RWH	Height of back panel

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

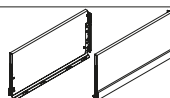
► High Drawer H250



- Slim, closed drawer side
- High stability up to a front height of 780 mm
- Can be personalised with designer panels
- Integrated height, side and tilt angle adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Tool-free installation and removal of the front
- Width of bottom and back panel is the same
- Bottom panel machining not required



- 1** Nova Pro Scala drawer sides H250
Set: One left, one right



NL	Stone	Ice
400	F100131037 201	F100131064 201
450	F100131040 201	F100131067 201
500	F100131043 201	F100131070 201
550	F100131046 201	F100131073 201

- 2** Installation hook
Single item: Can be used on left/right



	Description	Part Number
32mm	Expansion dowel	F102117719 547
32mm	For press fitting	F102021854 123
	For screw fixing	F102021855 123

- 3** Front clip
Single item: Can be used on left/right



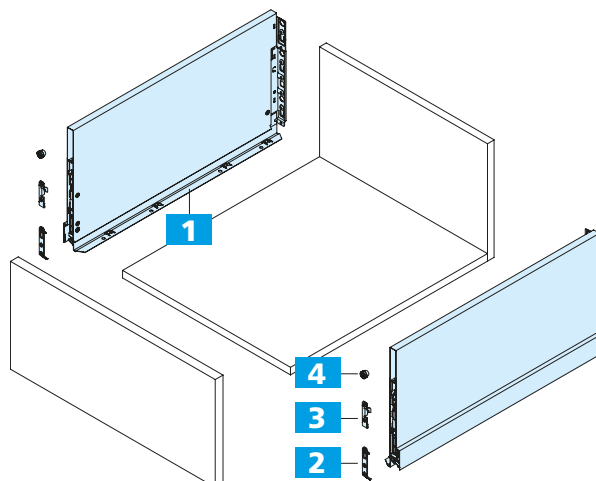
	Description	Part Number
32mm	Expansion dowel	F102104835 123
32mm	For press fitting	F102104834 123
32mm	For screw fixing	F102104833 123

- 4** Drawer side lock
Single item: can be used on left/right



	Description	Part Number
	For screw fixing	F102109564 123

Drawer side fixture (Front stabiliser **4**) is designed to provide additional stability to the top of the drawer side. Do not install if sideward adjustment is required.



DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

► Planning Dimensions

All dimensions in millimetres

Front installation dimensions	Back panel installation dimensions	Cutting Dimensions for 16mm chipboard						
min. 218 52* 42.5 16 235 64 96 32 50 40.5 32 16 9.5 10 18 64 249 96 73 55 10 18 64 249 96 73 55 LWK RWB = BB BB = LWK - 2 x EB FST FAS S EB A	10 18 64 249 96 73 55 10 18 64 249 96 73 55 Slide <table><tr><td>S</td><td>16 / 19</td></tr><tr><td>EB</td><td>29</td></tr><tr><td>A</td><td>21.5</td></tr></table>	S	16 / 19	EB	29	A	21.5	RWB = BB RW 249 BL = NL - 19 BB = LWK - 2 x EB
S	16 / 19							
EB	29							
A	21.5							

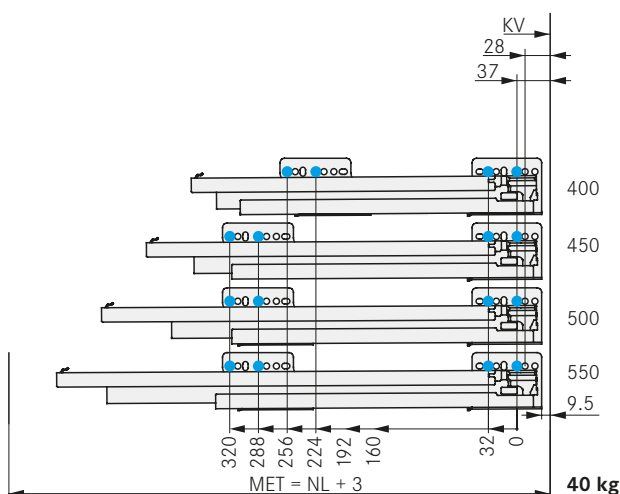
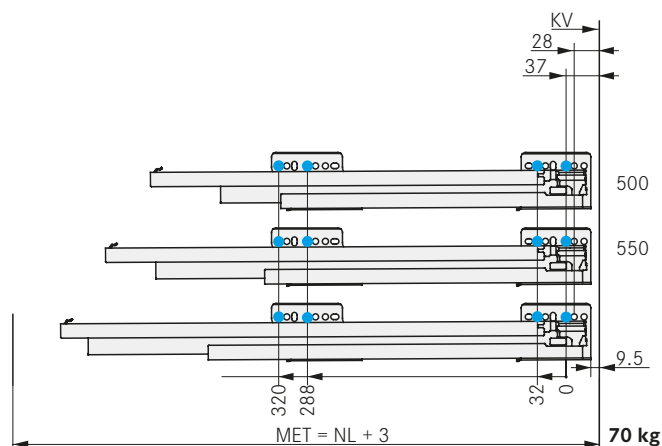
* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm

* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm

Fixing positions for full extension slide



Euro screw Ø 6 x 13 mm



Legend

B	Bottom panel	FST	Front overlay	NL	Nominal length
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet	RW	Back panel
EB	Construction width	LWK	Inside cabinet width	RWB	Width of back panel
FAS	Front overlay, side	MET	Minimum installation depth	RWH	Height of back panel

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

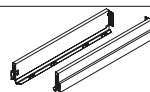
► Pot Drawer H90 with Rectangular Railing



- Snug-fitting rectangular railing
- Flush-fitting back panel adapter
- Minimum plastic parts
- Integrated height and side adjustment
- Tilt angle adjustment using railing
- Optimum use of space due to straight inside surfaces and low construction width
- Tool-free installation and removal of the front
- Width of bottom and back panel is the same
- Bottom panel machining not required

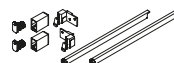


- 1** Nova Pro Scala drawer sides H90
Set: One left, one right



NL	Stone	Ice
270	F100103108 201	F100103135 201
300	F100103111 201	F100103138 201
350	F100103114 201	F100103141 201
400	F100103117 201	F100103144 201
450	F100103120 201	F100103147 201
500	F100103123 201	F100103150 201
550	F100103126 201	F100103153 201
600	F100103129 201	F100103156 201
650		F100103159 201

- 2** Rectangular railing, screw-on, for wooden back panel
Set: Railing, railing bracket (front/back) and cover cap, one of each left/right

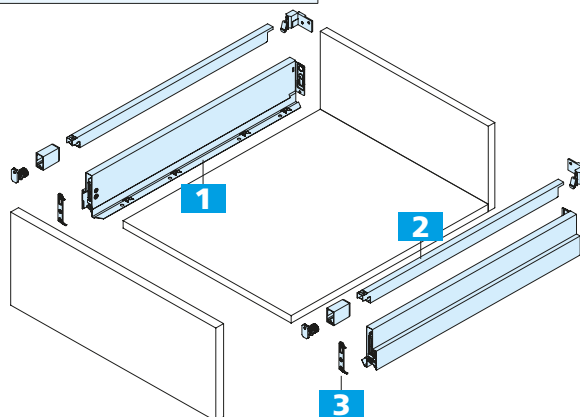


NL	Stone	Ice
270	F102103516 507	F102103525 507
300	F102103517 507	F102103526 507
350	F102103518 507	F102103527 507
400	F102103519 507	F102103528 507
450	F102103520 507	F102103529 507
500	F102103521 507	F102103530 507
550	F102103522 507	F102103531 507
600	F102103523 507	F102103532 507
650		F102103533 507

- 3** Installation hook
Single item: Can be used on left/right



	Description	Part Number
32mm	Expansion dowel	F102117719 547
32mm	For press fitting	F102021854 123
	For screw fixing	F102021855 123

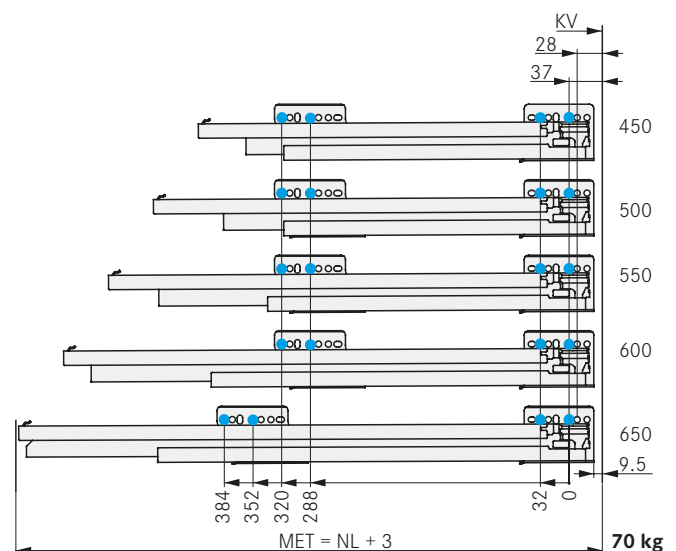


GRASS® NOVA PRO SCALA DRAWER SYSTEM

All dimensions in millimetres



Euro screw Ø 6 x 13 mm



B	Bottom panel	FST	Front overlay	NL	Nominal length
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet	RW	Back panel
EB	Construction width	LWK	Inside cabinet width	RWB	Width of back panel
FAS	Front overlay, side	MET	Minimum installation depth	RWH	Height of back panel

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

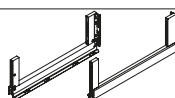
► Crystal Plus Drawer H140 for Large Slide-in Elements



- No processing of the slide-in elements necessary
- Patented clip technology makes it easy to slide the elements in
- No additional cover caps
- High level of stability, also without front and slide-in elements
- Integrated height, side and tilt angle adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Tool-free installation and removal of the front



- 1** Nova Pro Scala Crystal Plus drawer sides
Set: One left, one right



NL	Stone	Ice
270	F100104724 201	F100104751 201
300	F100104727 201	F100104754 201
350	F100104730 201	F100104757 201
400	F100104733 201	F100104760 201
450	F100104736 201	F100104763 201
500	F100104739 201	F100104766 201
550	F100104742 201	F100104769 201
600	F100104745 201	F100104772 201

- 2** Installation hook
Single item: Can be used on left/right



	Description	Part Number
32mm	Expansion dowel	F102117719 547
32mm	For press fitting	F102021854 123
	For screw fixing	F102021855 123

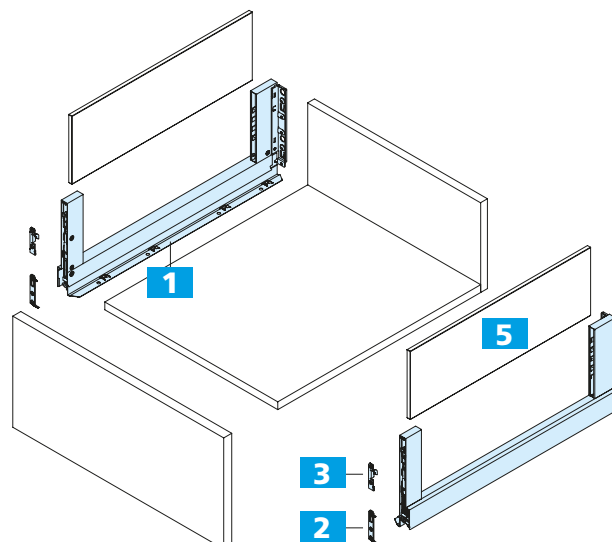
- 3** Front clip
Single item: Can be used on left/right



	Description	Part Number
32mm	Expansion dowel	F102104835 123
32mm	For press fitting	F102104834 123
32mm	For screw fixing	F102104833 123

- 5** Insert for Nova Pro Scala Crystal Plus (clear tempered glass)
Set: One left, one right

NL	Stone
270	F148026227 101
300	F148026230 101
350	F148026235 101
400	F148026240 101
450	F148026245 101
500	F148026250 101
550	F148026255 101
600	F148026260 101



Alternatively, design your own slide-in elements. For dimensions, see opposite page.

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA DRAWER SYSTEM

► Planning Dimensions

All dimensions in millimetres

Front installation dimensions	Back panel installation dimensions	Cutting Dimensions for 16mm chipboard						
min. 154 169 96 32 50 40.5 16 52* 42.5 (9.5) S EB BB = LWK - 2 x EB A FST FAS	10 Ø 10 x 13 32 32 32 55 96 185 73	RWB = BB RW 185 RWH B BL = NL - 19 BB = LWK - 2 x EB						
Slide <table><tr><td>S</td><td>16 / 19</td></tr><tr><td>EB</td><td>29</td></tr><tr><td>A</td><td>21.5</td></tr></table>		S	16 / 19	EB	29	A	21.5	Slide-in element cutting dimensions 8 ±0.15 NL - 72 ±0.5 140 ±0.5 0.5 x 45°*
S	16 / 19							
EB	29							
A	21.5							
* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm		* Glass slide-in element						

Fixing positions for full extension slide

	Euro screw Ø 6 x 13 mm	

Legend

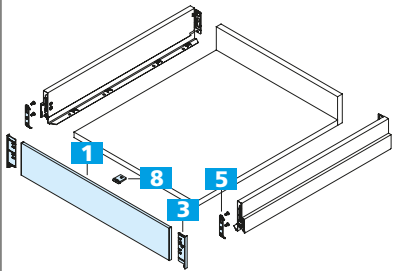
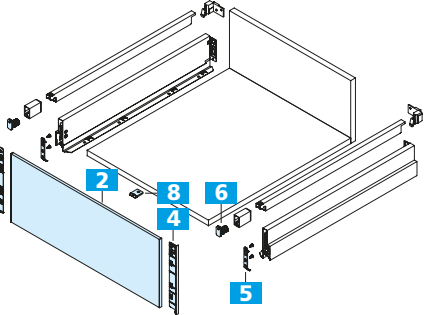
B	Bottom panel	FST	Front overlay	NL	Nominal length
BB / BL	Bottom width / Bottom length	KV	Front edge of cabinet	RW	Back panel
EB	Construction width	LWK	Inside cabinet width	RWB	Width of back panel
FAS	Front overlay, side	MET	Minimum installation depth	RWH	Height of back panel

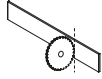
DRAWER SYSTEMS

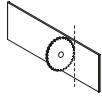
GRASS® NOVA PRO SCALA ACCESSORIES

► F8 Inset Drawers



F8 inset panel for inset drawer H90	F8 inset panel for inset drawer H90 with rectangular railing
 The following is required: 1 x 1 2 x 3 2 x 5	 The following is required: 1 x 2 2 x 4 2 x 5 2 x 6

1 F8 inset panel for inset drawer H90. Single item: For cutting to length			
L	Stone Part Number	Ice Part Number	
1160	F102101371 211	F102105357 211	

2 F8 inset panel for inset drawer H186, rectangular railing and Crystal Plus Single item: For cutting to length			
L	Stone Part Number	Ice Part Number	
1160	F102101379 207	F102105358 207	

3 Cover cap for F8 inset panel H90. Single item: Can be used on left/right			
H	Stone Part Number	Ice Part Number	
H90	F102101384 218	F102105359 218	

4 Cover cap for F8 inset panel H186. Single item: Can be used on left/right			
H	Stone Part Number	Ice Part Number	
H186	F102101451 214	F102105360 214	

5 Installation hook. Single item: Incl. screws. Can be used on left/right			
Description		Part Number	
For screw fixing		F102101584 223	

6 Railing bracket Single item: Incl. screws Can be used on left/right			
Description		Part Number	
For screw fixing		F102102863 223	

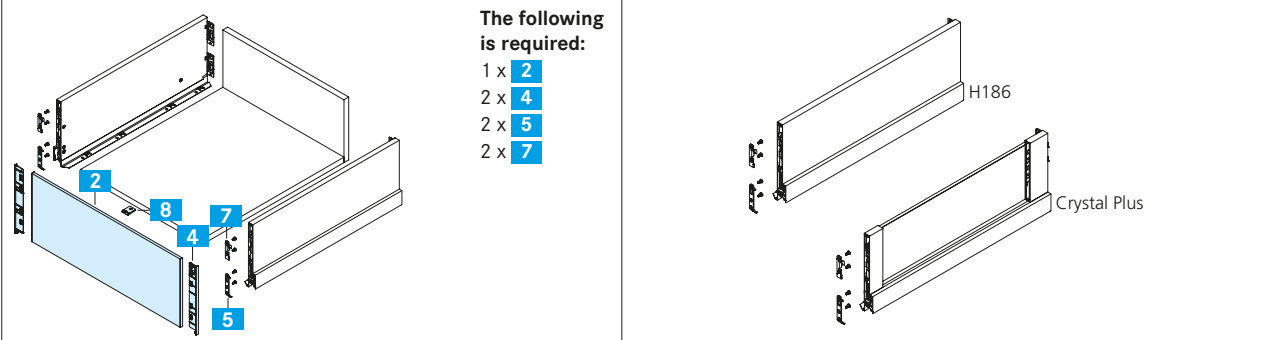
DRAWER SYSTEMS

GRASS® NOVA PRO SCALA ACCESSORIES

► F8 Inset Drawers continued



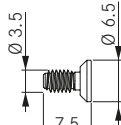
F8 inset panel for inset drawer H186 and Crystal Plus



7 Front clip Single item: Incl. screws Can be used on left/right		
Description	Part Number	
For screw fixing	F102102864223	

8 Front-bottom connector (optional) Item		
Description	Part Number	
Recommended from KB 600mm	F145117993223	

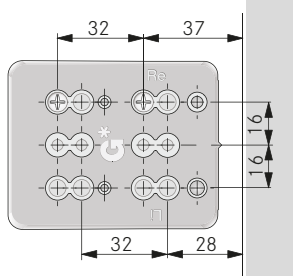
► Background Information

Description		Part Number
- Self-tapping countersunk screw, M 3.5 x 7.5 mm - For aluminium inset panels - Included with F102101584223, F102102863223, F102102864223		F145117998239

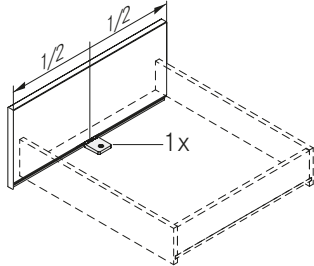
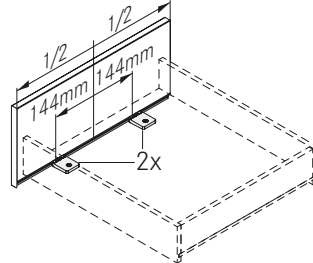
DRAWER SYSTEMS

GRASS® NOVA PRO SCALA ACCESSORIES

► Nova Pro Spacer

Part Number			
F102062616223	- Thickness 25 mm - The spacer can be used on the left and the right - For inset drawers, to negotiate the protrusion of a wide-angle hinge		

► Front-Bottom Connector F8 Inset Panel

Part Number			
F145117993223	For wide drawers with a cabinet width of over 600mm		KB = 600 – 800 mm 
			KB = 800 - 1200 mm 

► Child Lock

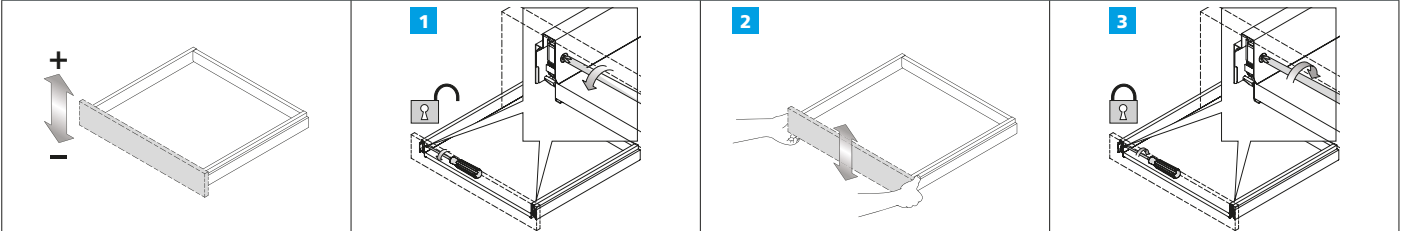
Part Number		
F102108857523	- When activated, limits the opening of the drawer to a small gap; the drawer opens fully when a concealed lever at the base is operated - The concealed installation avoids imitation of the action by the child - Use of the drawer storage space is unrestricted - No damage to front and cabinet - Can also be retrofitted - Can be deactivated without tools if needed - Unit is fitted to the bottom panel – it can therefore be used with all Nova Pro add-on systems - Cannot be used in combination with Tipmatic Soft-close	

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA TECHNICAL INFORMATION

► Adjustment

Height adjustment H63



Height adjustment H90 and H122

	1 	2 	3

Height adjustment H186, H250 and Crystal Plus

	1 	2 	3

Side adjustment

	1 	2 	3

Tilt angle adjustment H90 with rectangular railing

	1

Tilt angle adjustment H122, H186, H250 and Crystal Plus

	1

► Assembly / Removal

Inserting

Removal

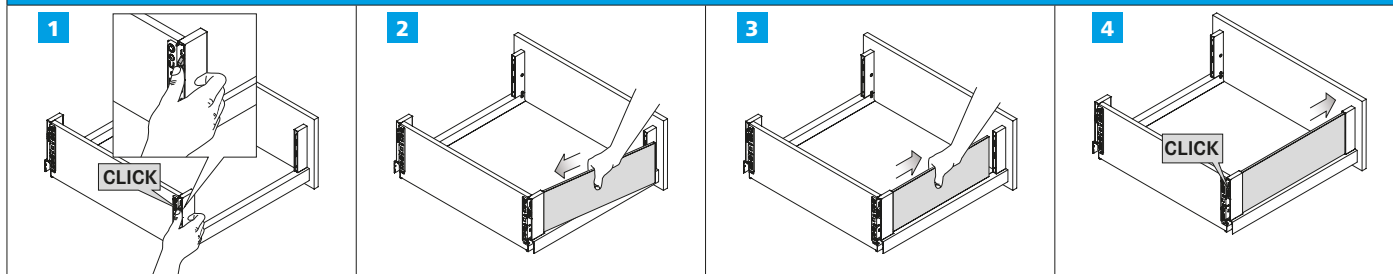
DSY-NPS ■ 37

DRAWER SYSTEMS

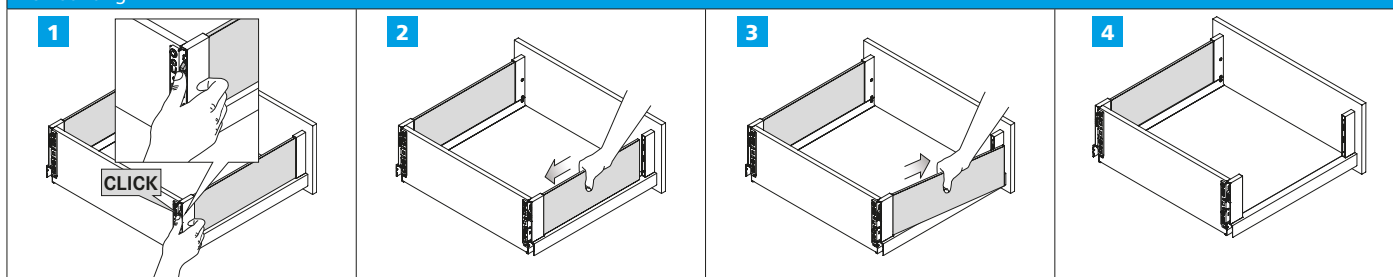
GRASS® NOVA PRO SCALA TECHNICAL INFORMATION

► Crystal Plus Slide-in Element

Installation

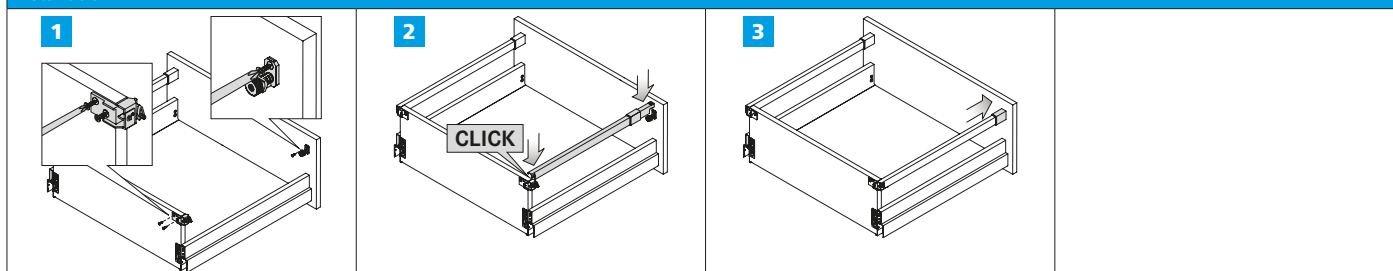


Dismounting

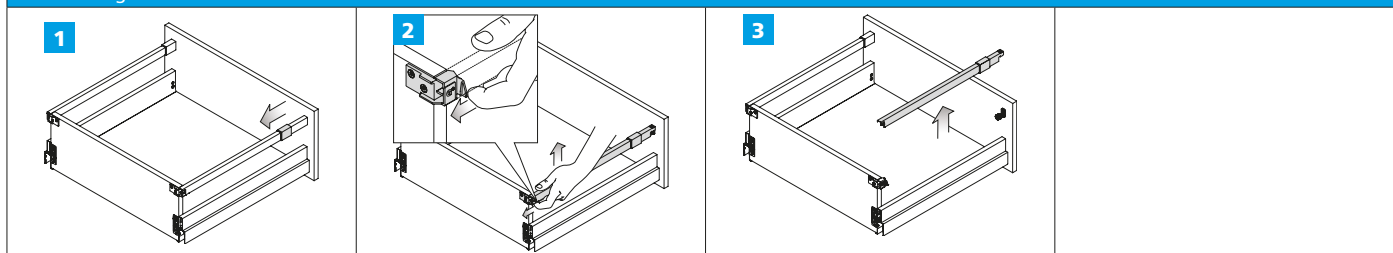


► Rectangular Railing

Installation



Dismounting

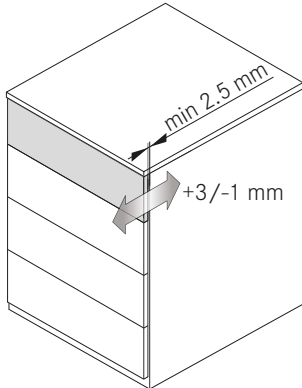
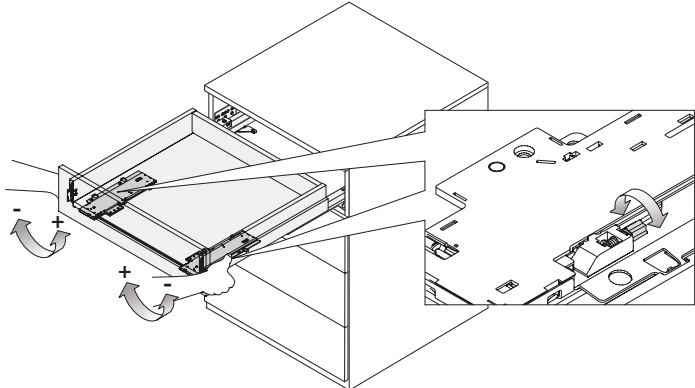


DRAWER SYSTEMS

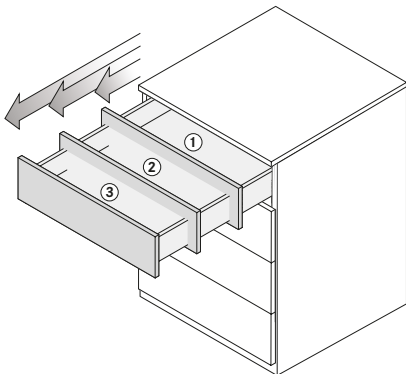
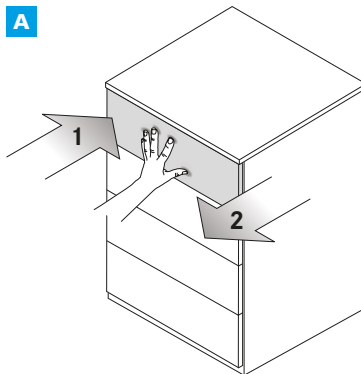
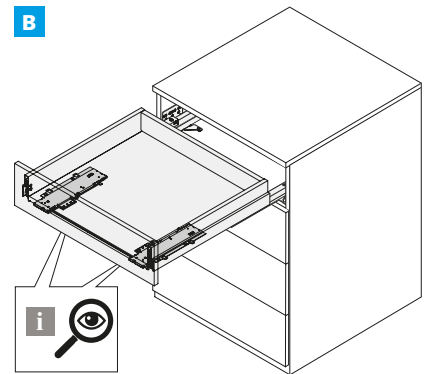
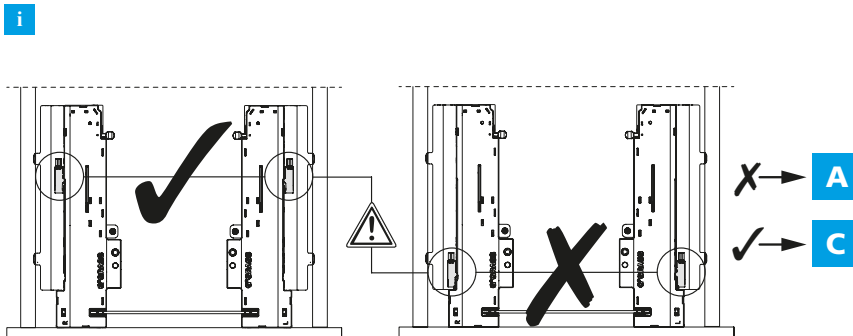
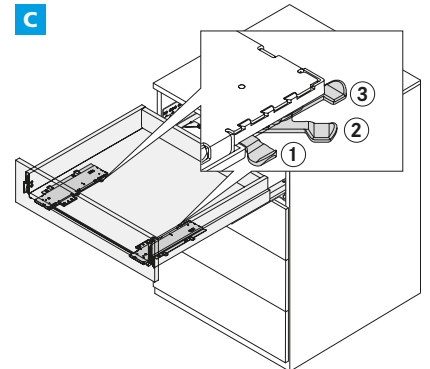
GRASS® NOVA PRO SCALA TECHNICAL INFORMATION

► Tipmatic Soft-close

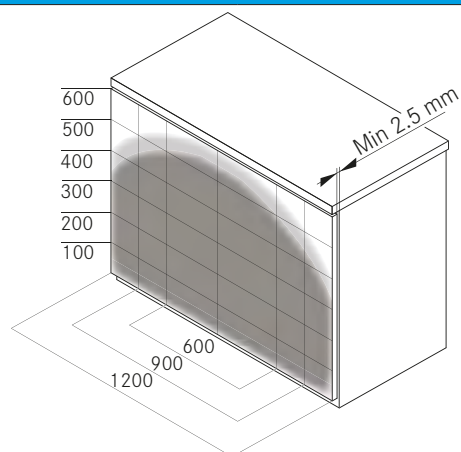
Front gap adjustment (+3mm / -1mm)



Opening force



Activation zone



DRAWER SYSTEMS

GRASS® TAVINEA SORTO FOR NOVA PRO SCALA



TAVINEA SORTO INTERIOR ACCESSORY SYSTEM

Simple. Attractive. Tidy.

The premium-quality frame units consist of slender 6 mm metal sections whose modern, linear form makes the new interior accessory system a functional eye-catcher. A neat arrangement can also be attractive. Puristic, minimalist design, matt surfaces, timeless colours – the sleek elegance of TAVINEA SORTO ensures that drawers always look good whether in the kitchen, bathroom or living room.

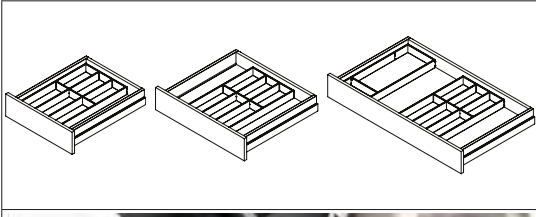


DRAWER SYSTEMS

GRASS® TAVINEA SORTO FOR NOVA PRO SCALE

DIVIDING AND ORGANISING SYSTEMS

Organising, dividing, fitting out – useful aids for organising storage space.

	TAVINEA SORTO ▪ Modular interior accessory system ▪ Perfect organisation for cutlery and small items ▪ High-quality frames and divider rails made of powder-coated steel	42
	ACCESSORIES ▪ Perfect organisation for cutlery and small items ▪ Modular extension possible	43
	TECHNICAL INFORMATION ▪ Elegant storage space organisation by dividing the drawer ▪ Easy to fit	44
	TAVINEA OPTIMA ▪ Dividing system for pot drawers ▪ Organises the storage space for clear and tidy arrangement ▪ Easy installation without tools	46

DRAWER SYSTEMS

GRASS® TAVINEA SORTO FOR NOVA PRO SCALA

► Interior Accessory System

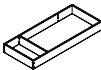


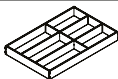
- Perfect organisation of drawers for cutlery and small sundry items
- Premium-quality frame units and dividers in powder-coated steel
- Colour coordinated
- Innovative anti-slip pads ensure a firm hold in the drawer

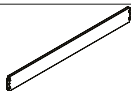


Note:

- Tavinea Sorto B186 can be used for cabinet width 300 mm and above
- Tavinea Sorto B276 can be used for cabinet width 400 mm and above

1 Tavinea Sorto B186 Single item			
NL	Stone		
	Part Number		
500	F007130086201		

2 Tavinea Sorto B276 Single item			
NL	Stone		
	Part Number		
500	F007130058201		

3 Tavinea Sorto divider rail Single item			
NL	Stone		
	Part Number		
500	F007130114207		

4 Tavinea Sorto Accessories From next page			

DRAWER SYSTEMS

GRASS® TAVINEA SORTO FOR NOVA PRO SCALA

► Accessories

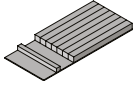


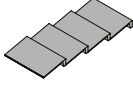
- The right accessories for all requirements
- Knives, herb and spice containers, rolls of foil, cutlery or eau de toilette – everything is perfectly stored with the Tavinea Sorto accessories
- High-quality materials: Aluminium and solid wood

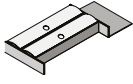
Note:

- Accessories are hygiene tested and non-toxic



1 Knife block Single item		
NL	Stone	
500	Part Number F007101990201	

2 Spice rack Single item		
NL	Stone	
500	Part Number F007101992201	

3 Foil holder Single item		
NL	Stone	
500	Part Number F007101994201	

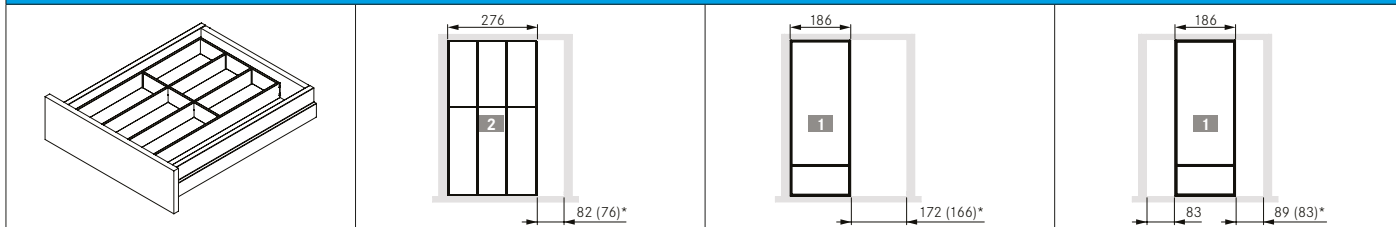
DRAWER SYSTEMS

GRASS® TAVINEA SORTO FOR NOVA PRO SCALA

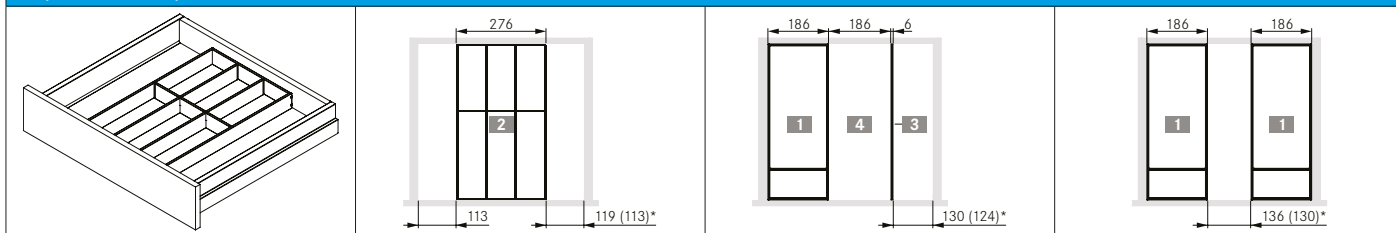
► Installation Information – Application Examples

All dimensions in millimetres

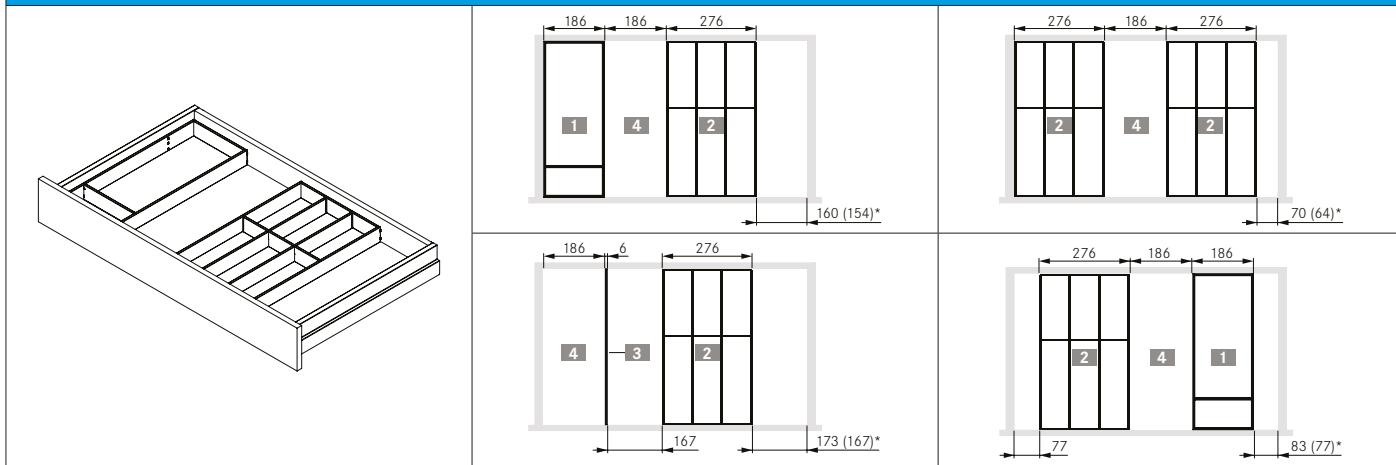
KB (Cabinet Width) 450



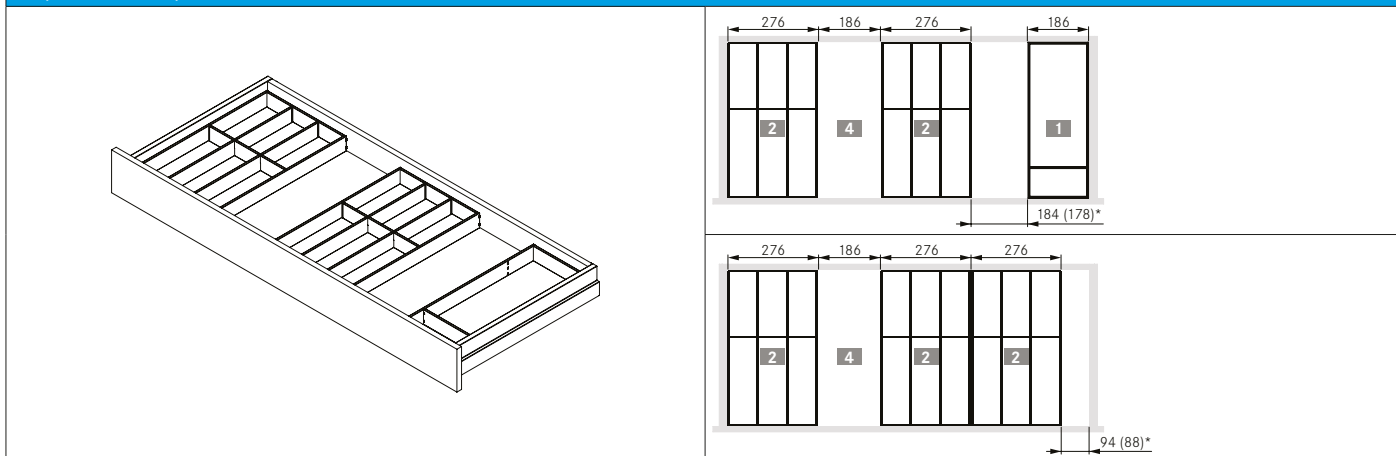
KB (Cabinet Width) 600



KB (Cabinet Width) 900



KB (Cabinet Width) 1200



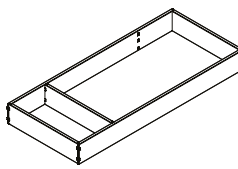
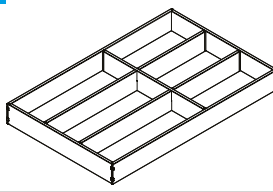
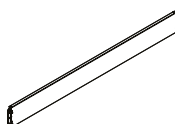
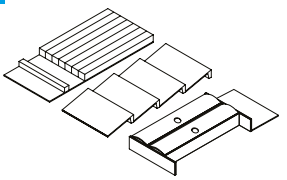
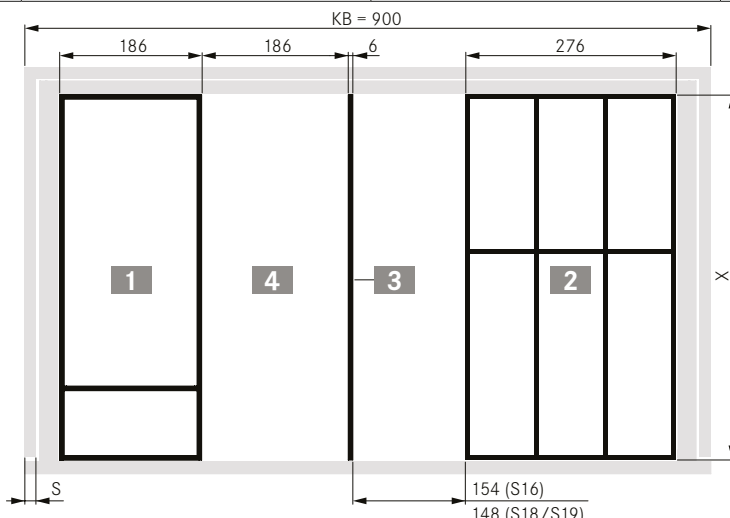
* S16 (S18 / S19)

DRAWER SYSTEMS

GRASS® TAVINEA SORTO FOR NOVA PRO SCALA

► Installation Information – Application Examples

All dimensions in millimetres

Description							
1 	2 	3 	4 				
							
		<table><tr><th>NL</th><th>X</th></tr><tr><td>500</td><td>479</td></tr></table>		NL	X	500	479
NL	X						
500	479						

► Inside Drawer Dimensions

All dimensions in millimetres

Description

The diagram illustrates the dimensions of a drawer unit. It shows a side view of a drawer with a front panel and a back panel. The total width of the cabinet is labeled as KB = 900. The width of the front panel is labeled as S. The width of the back panel is labeled as EB. The length of the drawer body is labeled as LWS. The formula for LWS is given as $LWS = KB - (2 \times S) - (2 \times EB) - (2 \times 1 \text{ mm TAG})$. The diagram also shows the internal structure of the drawer, including the front panel, back panel, and the drawer body.

S / EB	Outside cabinet width (KB)									
	300	400	500	600	700	800	900	1000	1100	1200
16 / 29	208	308	408	508	608	708	808	908	1008	1108
18 / 30	202	302	402	502	602	702	802	902	1002	1102
19 / 29										
	Inside dimension (LWS)									

Legend

EB	Construction width	KB	Cabinet width	LWS	Clear drawer width
NL	Nominal length	S	Cabinet side wall	TAG	Tolerance compensation

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA ACCESSORIES

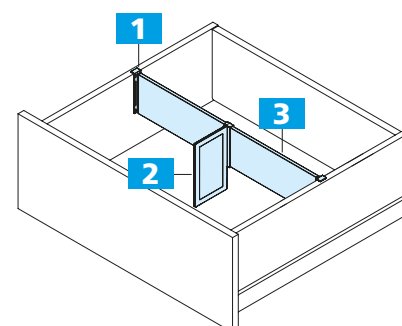
► Tavinea Optima Dividing System



- Dividing system for pot drawers
- Organises the storage space for clear and tidy arrangement
- Easy installation without tools
- Can be adjusted without tools for variable use of the storage space
- Can be retrofitted at any time
- Colour-coordinated with drawer sides



1 Tavinea Optima profile clip Single item: can be used on left/right		
	Stone	Ice
	F007130228 511	F007130229 511
2 Tavinea Optima Smartboard Single item		
	Stone	Ice
	F007130245 211	F007130246 211
3 Tavinea Optima divider profile Single item: for cutting to length		
	L	Ice
1098	F007130234 507	F007130235 507



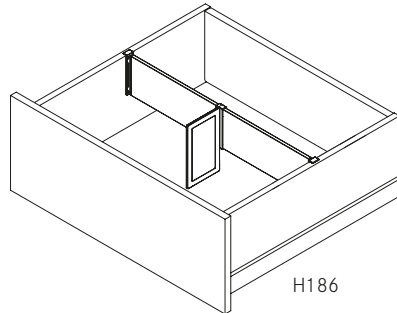
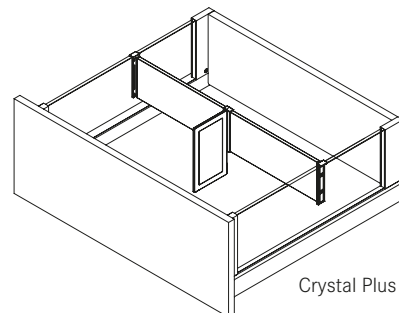
DRAWER SYSTEMS

GRASS® NOVA PRO SCALE ACCESSORIES

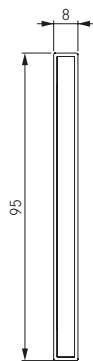
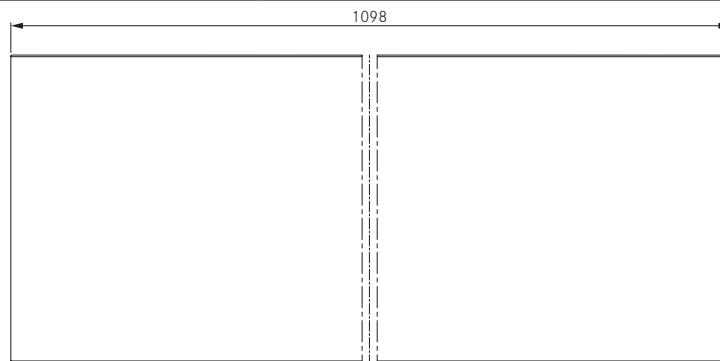
► Installation Dimensions

All dimensions in millimetres

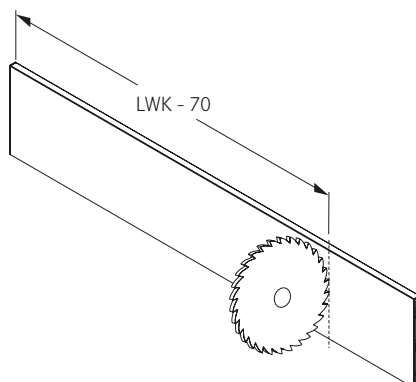
Applications



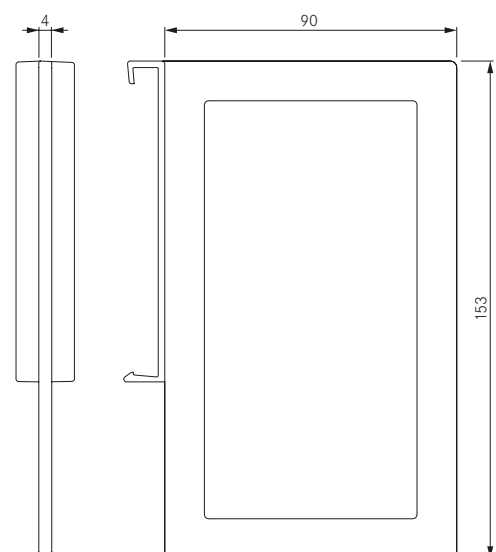
Divider profile



Cutting dimensions, divider profile



Smartboard



Legend

L Length

LWK Inside cabinet width

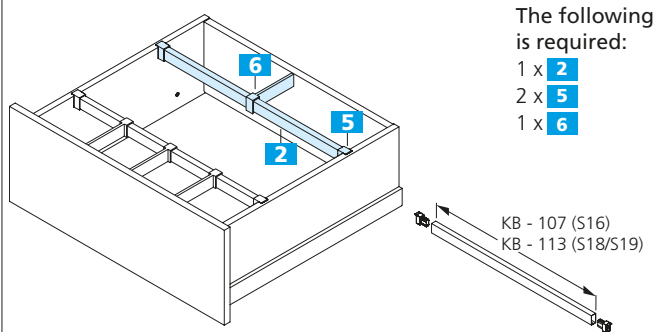
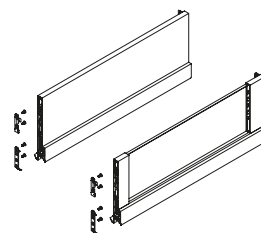
DRAWER SYSTEMS

GRASS® NOVA PRO SCALA ACCESSORIES

► Cross and Longitudinal Divider

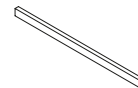


Cross rail with Universal divider railing clip and longitudinal divider for all Nova Pro Scala drawer versions



2 Cross rail, aluminium
 Single item: for cutting to length

L	Stone	Ice
	Part Number	Part Number
1150	F102108653 207	F102108654 207



5 Universal divider railing clip
 Single item: can be used on left, right, only in combination with aluminium cross rail **2**

	Stone	Ice
	Part Number	Part Number
	F102108835 233	F102108834 233



6 Longitudinal divider for cross rail
 Single item

L	Stone	Ice
	Part Number	Part Number
100	F102109962 233	F102109963 233



Legend

KB	Cabinet width	L	Length	S	Side cabinet wall

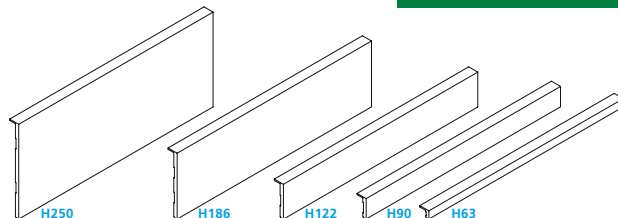
DRAWER SYSTEMS

GRASS® NOVA PRO SCALA ACCESSORIES

► Designer Panels



- Designer panels offer new design possibilities for differentiation
- High-quality visual design with material combinations enable segmentation on the basis of one system
- The designer panels are simply fitted with either magnetic tape or adhesive bonding
- Can be attached after the production process
- Please note, designer panels not available to purchase, planning information only**



Designer panel cutting dimensions	Installation dimensions designer panels for H90	Installation dimensions designer panels for H122
Installation dimensions designer panels for H186	Installation dimensions designer panels for H250	
Designer panel cutting dimensions	Design options	Magnetic tape

Legend

NL Nominal length

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA ASSEMBLY TECHNOLOGY

► Tecmator ZP-N-E2 Drawer Press



- Industrial production of Nova Pro drawers and pot drawers
- Suitable for assembling Nova Pro Scala and Nova Pro Classic 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 and straightforward handling of the individual parts on the machine
- Sturdy frame construction
- Suitable for serial production
- Any drawer width up to 1200mm 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 (50mm increments)
- Stops for five wooden back panel heights

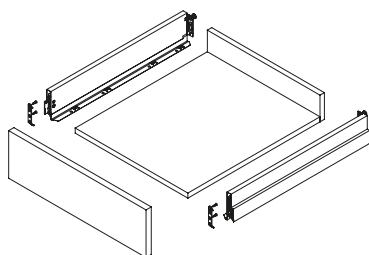
Note:

- Special order

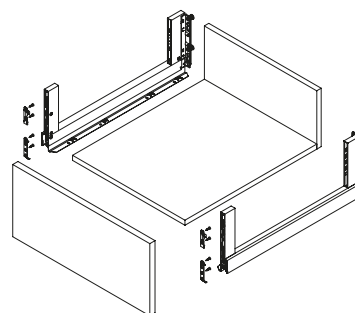


Part Number	Description	B
F146131003299	Tecmator ZP-N-E2, NOVA PRO drawer press	max. 1.20m

NOVA PRO SCALA H63/H90/H122/H186/H250



NOVA PRO SCALA CRYSTAL PLUS



DRAWER SYSTEMS

GRASS® NOVA PRO SCALA ASSEMBLY TECHNOLOGY

► Technical Data

Connections		Dimensions		Weight	
Pneumatic	min. 6 bar to max. 10 bar	Width	2.45m	ZP-N-E2	220kg
		Depth	1.00m		
		Height	2.20m		

► Advantages

Easy width adjustment thanks to pneumatic clamping



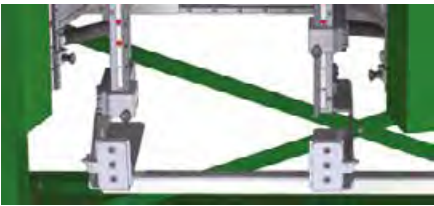
The individual components of the machine can be easily handled



The frame structure ensures excellent stability



Customised 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



Legend

B	Width	KB	Cabinet width

DRAWER SYSTEMS

GRASS® NOVA PRO SCALA ASSEMBLY TECHNOLOGY

► Assembly Aids



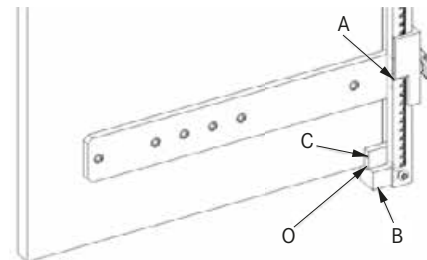
Drilling Jig for Cabinet Rail



One set includes:

- Guide rule (1x)
- Marking elements (4x)
- Stop plates B + C (1 each)

- A.** Reading edge = centre of hole
B. Stop plate for loose cabinet parts
C. Stop plate for assembled cabinet
O. Zero scale position



	Part Number
Drilling Jig	F146094730 501

Marking Jig Set



- For exact marking of the drill holes for the Nova Pro Scala installation hooks.

	Part Number
Nova Pro Scala H63	F146094036 513
Nova Pro Scala H90/H122	F146092050 513
Nova Pro Scala H186/H250/Crystal/Crystal Plus	F146101908 513

Front Drilling Jig



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

- Can be used universally for drilling drawer sides of all heights
- Good stability due to high-quality aluminium construction

	Part Number
Front drilling jig	F146130983 201

Front Drilling Jig for F8 Inset Panel



- For pre-drilling the F8 inset panel

	Part Number
Front drilling jig	F146102908 201

DRAWER SYSTEMS

GRASS® PACKAGING CODE

Article number
F123456789201
Type of packaging
Packaging code
Packaging unit



► Type of Packaging

Code	Explanation
1	PE (bag, film or band)
2	Cardboard box
3	Reusable packaging (cardboard)
4	Reusable packaging (different containers)
5	PE (bag, film or band) in cardboard box
6	Cardboard box in cardboard box
7	Cardboard box in various containers
8	PE (bag, film or band) in different containers

► Packaging Unit

Code	Unit	Code	Unit	Code	Unit
01	01	23	100	45	800
02	02	24	120	46	900
03	04	25	125	47	1000
04	05	26	136	48	1100
05	06	27	140	49	1200
06	08	28	150	50	1500
07	10	29	170	51	2000
08	12	30	175	52	2200
09	14	31	180	53	2500
10	15	32	190	54	3000
11	20	33	200	55	4000
12	24	34	225	56	5000
13	25	35	240	57	6000
14	30	36	250	58	7000
15	35	37	275	59	8000
16	40	38	300	60	9000
17	50	39	400	61	10000
18	60	40	500	62	15000
19	70	41	550	63	20000
20	75	42	600	64	30000
21	80	43	700	99	X
22	85	44	750		

► Quick Overview

Packaging Code	Explanation
101	1 unit in PE (bag, film or band)
107	10 units in PE (bag, film or band)
123	100 units in PE (bag, film or band)
133	200 units in PE (bag, film or band)
147	1000 units in PE (bag, film or band)
201	1 unit in a cardboard box
207	10 units in a cardboard box
211	20 units in a cardboard box
213	25 units in a cardboard box
214	30 units in a cardboard box
216	40 units in a cardboard box
217	50 units in a cardboard box
218	60 units in a cardboard box
223	100 units in a cardboard box
228	150 units in a cardboard box
233	200 units in a cardboard box
239	400 units in a cardboard box
247	1000 units in a cardboard box
250	1500 units in a cardboard box
261	10000 units in a cardboard box
299	X units in a cardboard box
501	1 unit in PE (bag, film or band) in a cardboard box
507	10 units in PE (bag, film or band) in a cardboard box
511	20 units in PE (bag, film or band) in a cardboard box
513	25 units in PE (bag, film or band) in a cardboard box
517	50 units in PE (bag, film or band) in a cardboard box
523	100 units in PE (bag, film or band) in a cardboard box
547	1000 units in PE (bag, film or band) in a cardboard box
607	10 units in a cardboard box in a cardboard box

► Terms

Unit	X single items/sets in specific packaging
Single item	X parts of one type (e.g. installation hooks only)
Set	X parts of different types (e.g. railing, railing bracket (front/back) and cover cap, one of each left/right)

DRAWER SYSTEMS

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