



G*GRASS®

NOVA PRO SCALA DRAWER SYSTEM

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





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.



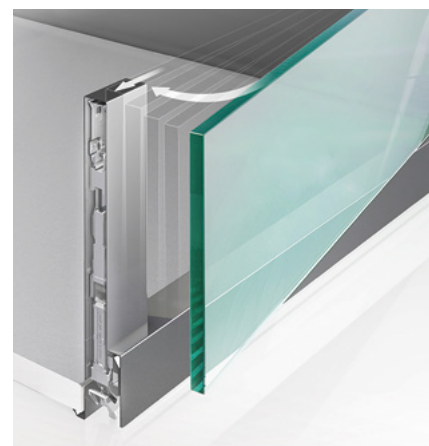
Crystal Plus frame drawer.

More glass. More creative scope.
More stability. With or without large
design elements, the Crystal Plus
frame drawer combines elegance
with maximum strength.



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 is not only formally different from its Classic and Deluxe predecessors, but also 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. It is advisable to carry products that have won through as groundbreaking innovations into the future in an unchanged form. If – as is the case with Nova Pro – it is proven over a decade that a concept was right, it is time to carry out carefully considered changes. The aim of our developers was therefore always 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 new 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.



Nova Pro Scala
is inspiration in
the right angle.

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

The new colour SILVER makes it possible to carry this design principle through to the furniture interior. The natural reflection of light and the fine surface structure inspired us to create the colour ICE. STONE as the symbol of eternity was the inspiration for the very popular shade of the same name.



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 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.



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

Tavinea Sorto interior accessory system.

The new 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.



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.

The new Scala drawer system can also be combined with the existing Classic and Deluxe systems, which opens up a wide and unique range of options for ensuring that the furniture interior makes a distinctive impression.



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.



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.

SENSOMATIC OPENING SYSTEM

Electro-mechanical opening of regular and pot drawers for top operating comfort.

Thanks to Sensomatic's automatic touch-sensitive function, a gentle trigger is enough to start the movement of the Nova Pro Scala drawers with handle-free fronts.





Modern furniture shows what it is made of. With this in mind Nova Pro Scala offers two unique product solutions – the Crystal and Crystal Plus add-on systems.

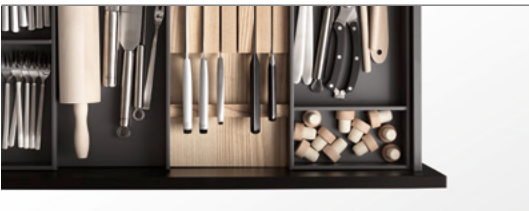
The absolute minimum for the technical elements, a strong holder at the front and back – let the fun begin!

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. For Nova Pro Scala we've subjected the Crystal add-on system to a fundamental redesign.



NOVA PRO SCALA DRAWER SYSTEM

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

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	ASSEMBLY TECHNOLOGY Installation and assembly aids. Track-proven, tried and tested technology for professional efficiency.	116



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. The drawer with a rectangular railing, the Crystal add-on system and the new Crystal Plus frame drawer. Combined with Nova Pro Classic and Deluxe, they create an extremely modular system for all price segments.

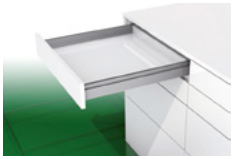
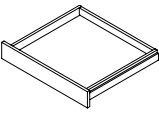
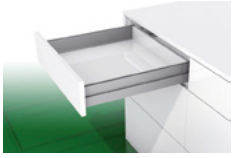
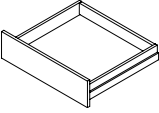
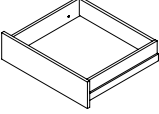
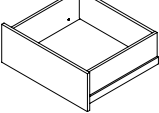
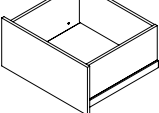
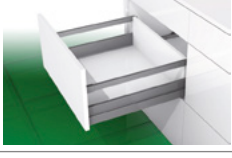
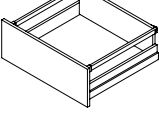
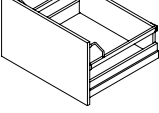
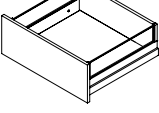
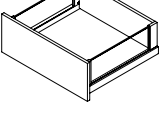


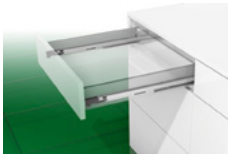
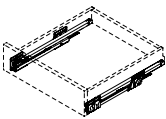
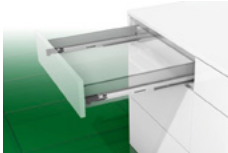
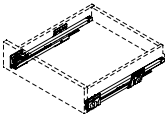
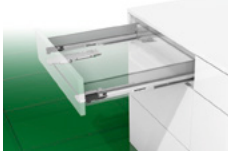
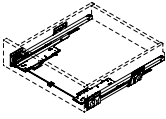
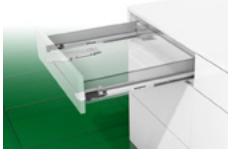
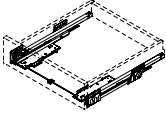
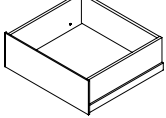
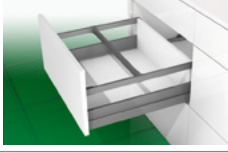
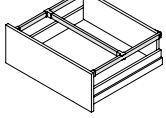
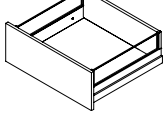
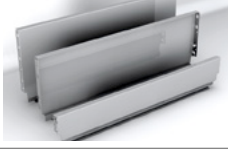
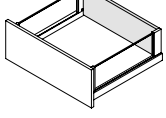
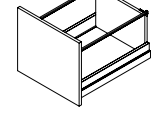
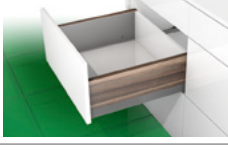
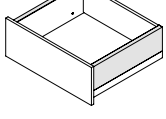
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The new drawer generation is a perfect combination of form and function and opens up a wide range of differentiation options.

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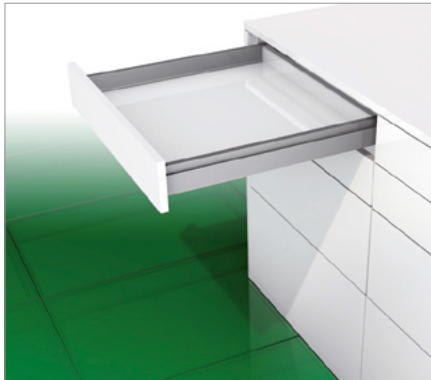
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	Product description		Page
	Drawer H63 - Extremely low drawer for limited available heights - Can be personalised with designer panels - Integrated height and side adjustment		16
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	Crystal Plus frame drawer for large slide-in elements, height 140 mm - 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

	Product description		Page
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	Nova Pro full extension slide 40/70 kg Tipmatic Soft-close S16 / S19 • Mechanical opening system • Combines Tipmatic function with Soft-close damping system • Construction width 29 mm • Used with S16 and S19		38
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NOVA PRO SCALA

Drawers 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

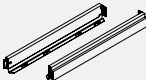
Packaging unit (PU):

123 = 100 items in PE
 201 = 1 item in cardboard box
 (smallest PU = 10 units)
 211 = 20 items in a cardboard box
 250 = 1500 items in a cardboard box

ORDER INFORMATION

1

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



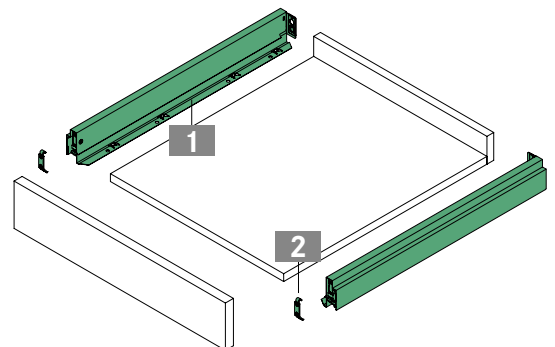
NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
400	F100103009	201	211		F100103036	201	211		F100103063	201	211					
450	F100103012	201	211		F100103039	201	211		F100103066	201	211					
500	F100103015	201	211		F100103042	201	211		F100103069	201	211					
550	F100103018	201	211		F100103045	201	211		F100103072	201	211					

2

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



	Description	Art.-no.	PU		
	Expansion dowel	F102117716	123		
	For press fitting	F102038331	123	250	
	For screw fixing	F102038330	123		



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PLANNING DIMENSIONS

All dimensions in millimetres

Front installation dimensions	Back panel installation dimensions	Cutting dimensions for 16 mm chipboard																
Diagram showing front installation dimensions for a drawer. Key dimensions include: min. 23 (top), 52* (total height), 42.5 (height to top of drawer body), 16 (height of drawer body), 43 (height of drawer front), 9.5 (height of drawer front lip), S (slide mounting offset), EB (slide mounting offset), BB = LWK - 2 x EB (total width), A (slide mounting offset), FAS (slide mounting offset), LWK (total width), RWB = BB (total width), Ø 3.5 x 15 (screw size), Ø 10 x 12 (screw size), FST 22.5 (slide mounting offset), 20 (slide mounting offset).	Diagram showing back panel installation dimensions for a drawer. Key dimensions include: 10 (width of back panel), Ø 10 x 13 (screw size), 32 (height of back panel), Ø 3.5 x 15 (screw size), 41 (height of back panel), 57 (height of back panel).	Diagram showing cutting dimensions for 16 mm chipboard. Key dimensions include: RWB = BB (total width), RW (width of drawer body), 57 (height of drawer body), RWH (height of drawer front), B (width of drawer body), BL = NL - 19 (height of drawer body), BB = LWK - 2 x EB (total width).																
<table><tr><th>Slide</th><td></td><td></td><td></td></tr><tr><td>S</td><td>16/19</td><td>18</td><td></td></tr><tr><td>EB</td><td>29</td><td>30</td><td></td></tr><tr><td>A</td><td>21.5</td><td>22.5</td><td></td></tr></table> Note: Slide available in two versions: For S16/S19 and S18. Refer to the Slides section (from page 34).			Slide				S	16/19	18		EB	29	30		A	21.5	22.5	
Slide																		
S	16/19	18																
EB	29	30																
A	21.5	22.5																
* Recommendation/Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm																		

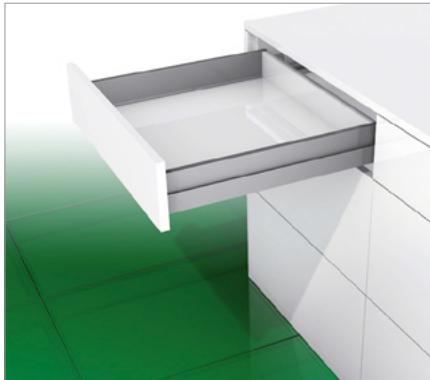
Fixing positions for full extension slide	
Euro screw Ø 6 x 13 mm	

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

NOVA PRO SCALA

Drawers H90



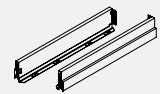
- The practical standard drawer for all applications
- Can be personalised with designer panels
- Integrated height and side adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Robust design and high level of stability
- Tool-free installation and removal of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

Packaging unit (PU):

- 123 = 100 items in PE
- 201 = 1 item in cardboard box (smallest PU = 10 units)
- 211 = 20 items in a cardboard box
- 228 = 150 items in a cardboard box
- 250 = 1500 items in a cardboard box
- 328 = 150 units in reusable packaging (cardboard box)
- 547 = 1000 items in PE in a cardboard box

ORDER INFORMATION

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

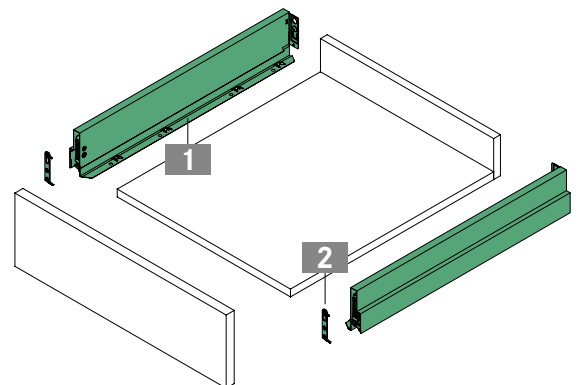


NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
270	F100103108	201	211		F100103135	201	211		F100103162	201	211					
300	F100103111	201	211		F100103138	201	211		F100103165	201	211					
350	F100103114	201	211		F100103141	201	211		F100103168	201	211					
400	F100103117	201	211		F100103144	201	211		F100103171	201	211					
450	F100103120	201	211	228	F100103147	201	211		F100103174	201	211	228				
500	F100103123	201	211	328	F100103150	201	211	328	F100103177	201	211	228				
550	F100103126	201	211		F100103153	201	211		F100103180	201	211					
600	F100103129	201	211		F100103156	201	211		F100103183	201	211					
650	F100103132	201	211		F100103159	201	211		F100103186	201	211					

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



	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102117719	123	547	
50 mm	Expansion dowel	F102117720	123	547	
32 mm	For press fitting	F102021854	123		250
50 mm	For press fitting	F102021153	123		250
	For screw fixing	F102021855	123	547	

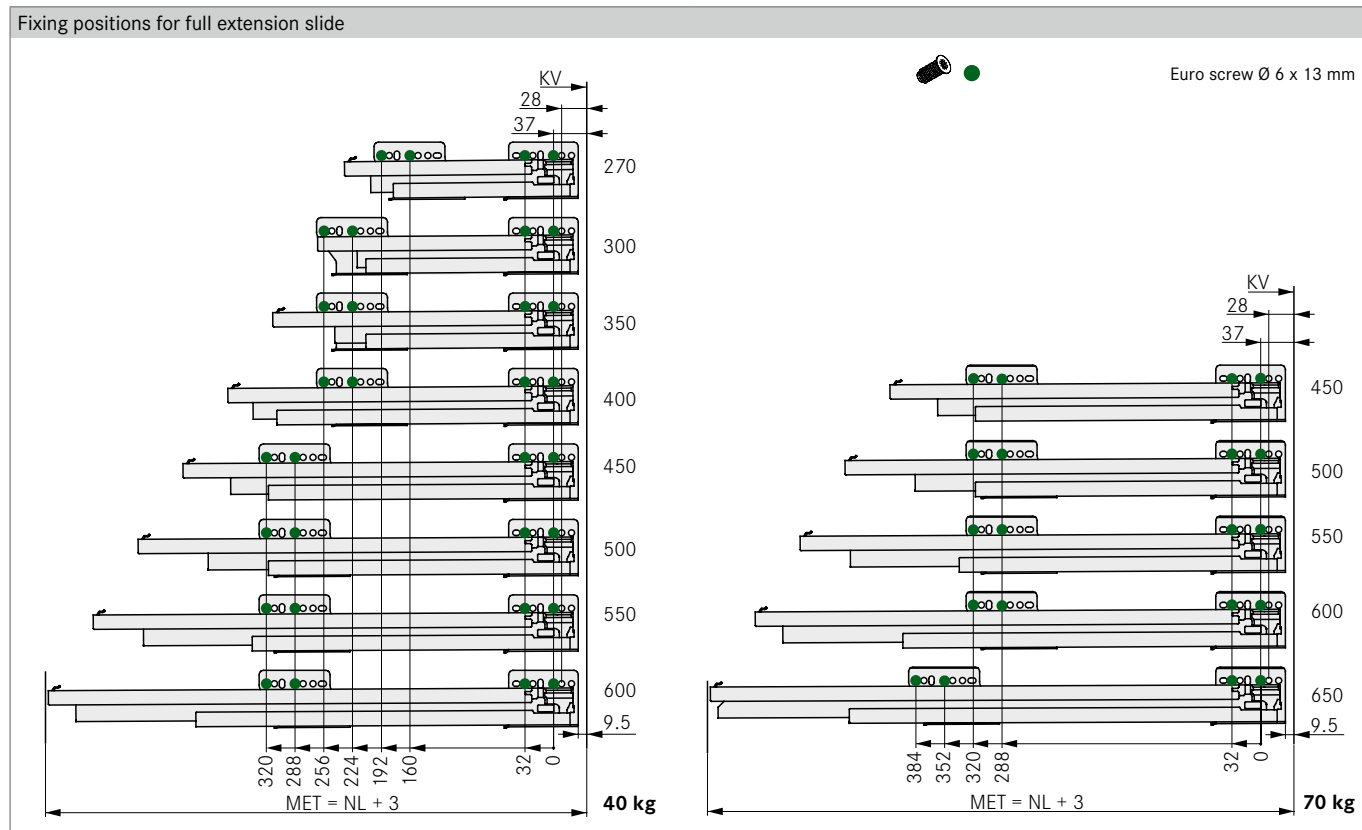
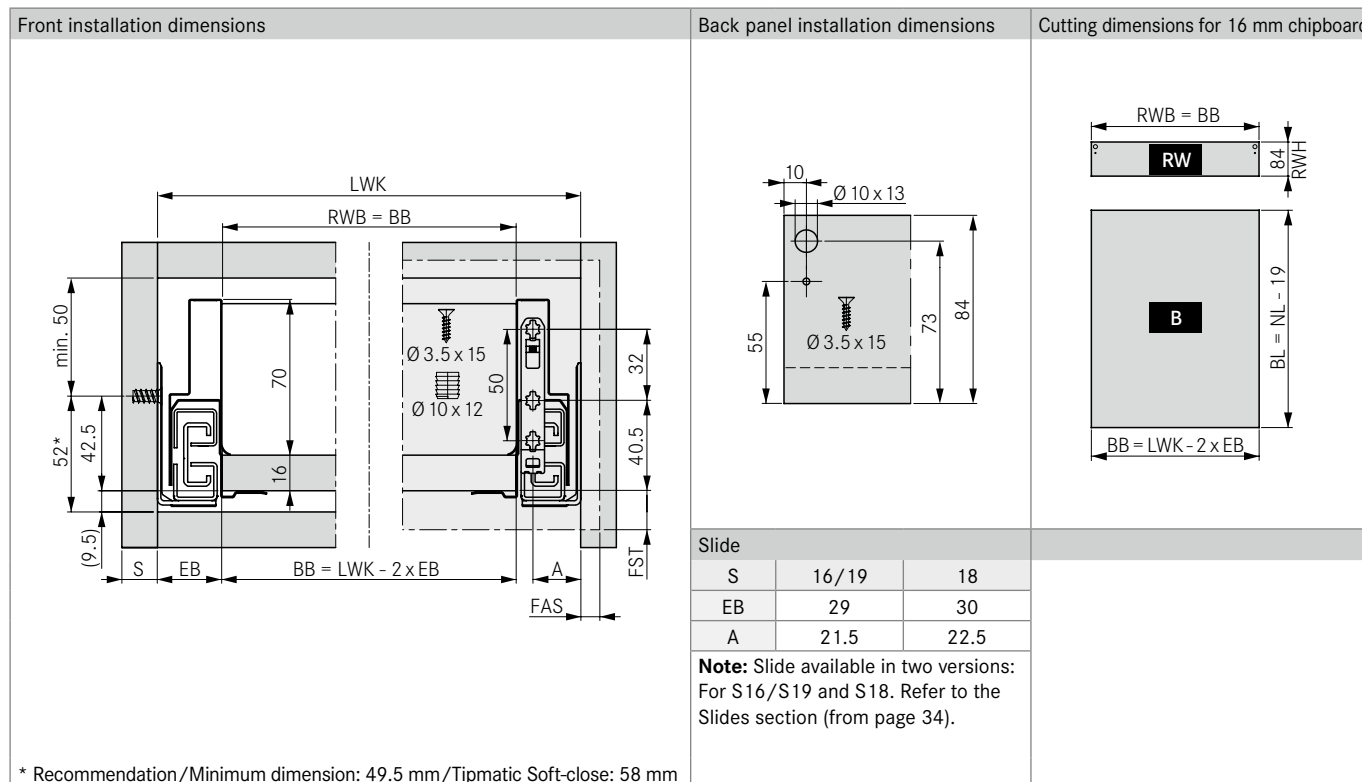


PAGE REFERENCES

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Inset panels	42	Designer panels	64	Sensomatic	81
Rectangular railing	52	Accessories	66	Organising systems	103

PLANNING DIMENSIONS

All dimensions in millimetres



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

NOVA PRO SCALA

Drawers H122



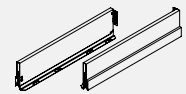
- The elegant intermediate height for special applications
- Can be personalised with designer panels
- Integrated height, side and tilt angle adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Robust design and high level of stability
- Tool-free installation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

Packaging unit (PU):

123 = 100 items in PE
 201 = 1 item in cardboard box
 (smallest PU = 10 units)
 211 = 20 items in a cardboard box
 250 = 1500 items in a cardboard box
 547 = 1000 items in PE in a cardboard box

ORDER INFORMATION

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

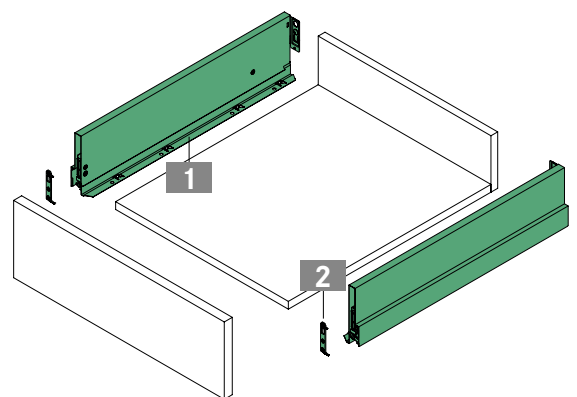


NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
400	F100103225	201	211		F100103252	201	211		F100103279	201	211					
450	F100103228	201	211		F100103255	201	211		F100103282	201	211					
500	F100103231	201	211		F100103258	201	211		F100103285	201	211					
550	F100103234	201	211		F100103261	201	211		F100103288	201	211					
600	F100103237	201	211		F100103264	201	211		F100103291	201	211					

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



	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102117719	123	547	
50 mm	Expansion dowel	F102117720	123	547	
32 mm	For press fitting	F102021854	123		250
50 mm	For press fitting	F102021153	123		250
	For screw fixing	F102021855	123	547	



PAGE REFERENCES

Slides	34	Technical information	74	Assembly technology	116
Designer panels	64	Sensomatic	81	Assembly aids	120
Accessories	66	Organising systems	103	Packaging code	127

PLANNING DIMENSIONS

All dimensions in millimetres

Front installation dimensions	Back panel installation dimensions	Cutting dimensions for 16 mm chipboard																
<table><tr><th>Slide</th><td></td><td></td><td></td></tr><tr><td>S</td><td>16/19</td><td>18</td><td></td></tr><tr><td>EB</td><td>29</td><td>30</td><td></td></tr><tr><td>A</td><td>21.5</td><td>22.5</td><td></td></tr></table> Note: Slide available in two versions: For S16/S19 and S18. Refer to the Slides section (from page 34).			Slide				S	16/19	18		EB	29	30		A	21.5	22.5	
Slide																		
S	16/19	18																
EB	29	30																
A	21.5	22.5																
* Recommendation /Minimum dimension: 49.5 mm/Tipmatic Soft-close: 58 mm																		

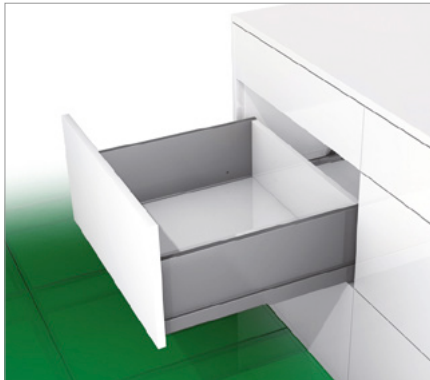
Fixing positions for full extension slide	
Euro screw Ø 6 x 13 mm	

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

NOVA PRO SCALA

High drawer H186



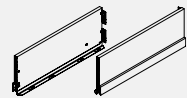
- Slim, closed drawer side
- High stability up to a front height of 780 mm
- Can be personalised with designer panels
- Integrated height, side and tilt angle adjustment
- Optimum use of space due to straight inside surfaces and low construction width
- Tool-free installation and removal of the front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

Packaging unit (PU):

- 123 = 100 items in PE
- 201 = 1 item in cardboard box (smallest PU = 10 units)
- 211 = 20 items in a cardboard box
- 247 = 1000 items in a cardboard box
- 250 = 1500 items in a cardboard box
- 547 = 1000 items in PE in a cardboard box

ORDER INFORMATION

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



NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
270	F100103300	201	211		F100103327	201	211		F100103354	201	211					
300	F100103303	201	211		F100103330	201	211		F100103357	201	211					
350	F100103306	201	211		F100103333	201	211		F100103360	201	211					
400	F100103309	201	211		F100103336	201	211		F100103363	201	211					
450	F100103312	201	211		F100103339	201	211		F100103366	201	211					
500	F100103315	201	211		F100103342	201	211		F100103369	201	211					
550	F100103318	201	211		F100103345	201	211		F100103372	201	211					
600	F100103321	201	211		F100103348	201	211		F100103375	201	211					
650	F100103324	201	211		F100103351	201	211		F100103378	201	211					

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

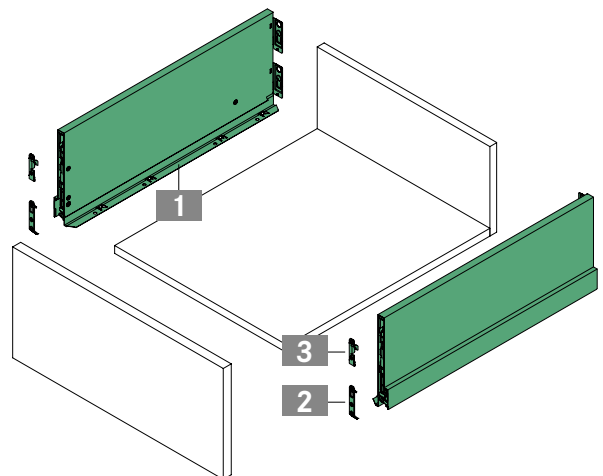


	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102117719	123	547	
50 mm	Expansion dowel	F102117720	123	547	
32 mm	For press fitting	F102021854	123		250
50 mm	For press fitting	F102021153	123		250
	For screw fixing	F102021855	123	547	

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



	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102104835	123	247	
32 mm	For press fitting	F102104834	123	247	
32 mm	For screw fixing	F102104833	123	247	

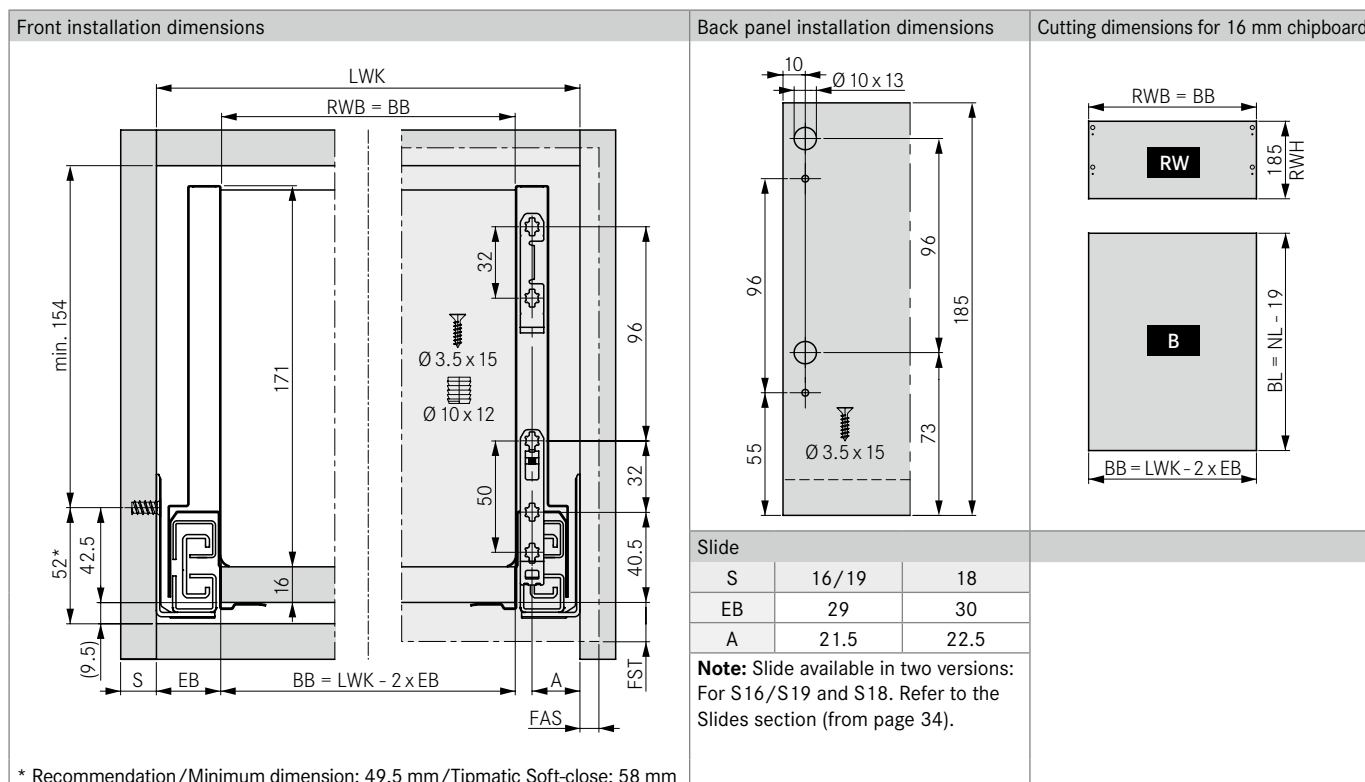


PAGE REFERENCES

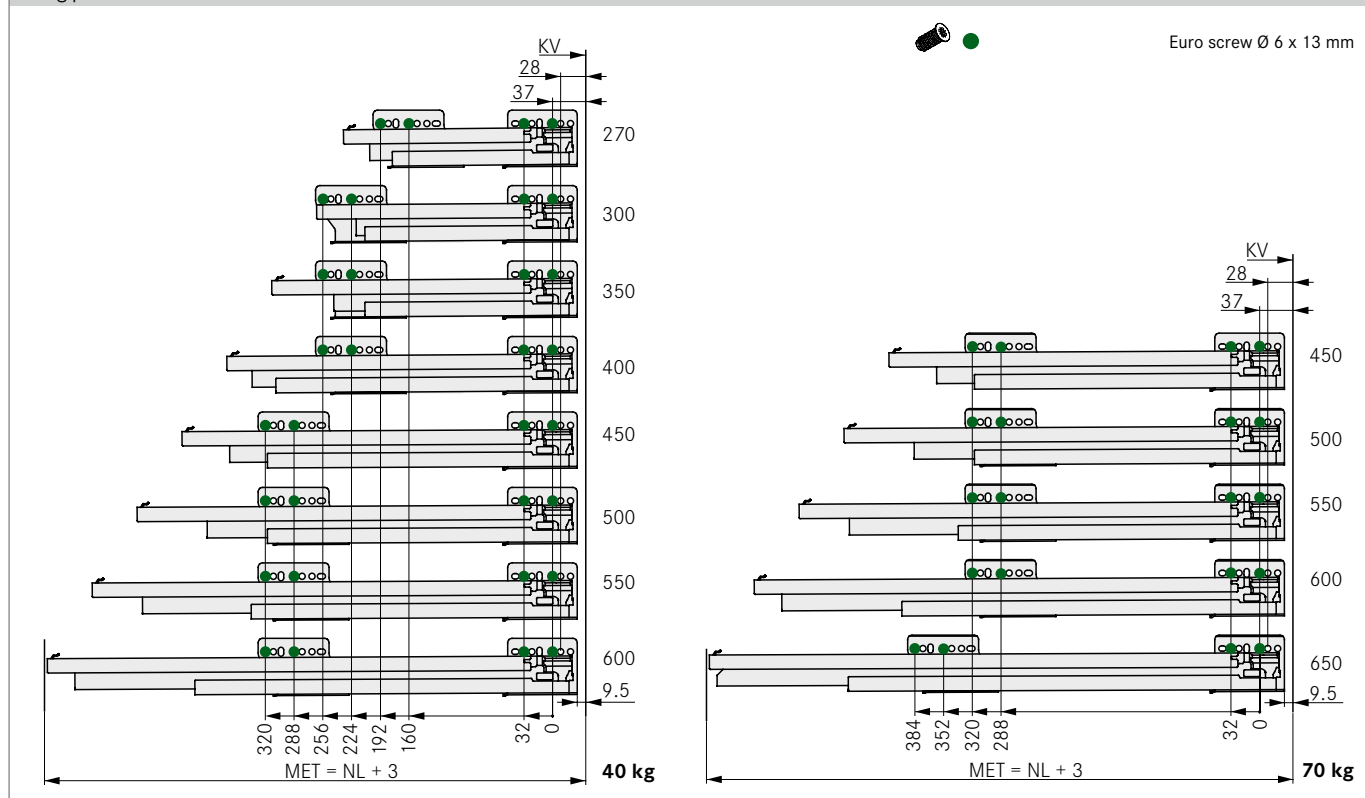
Slides	34	Designer panels	64	Sensomatic	81
Inset panels	42	Accessories	66	Organising systems	103
Steel back panels	58	Technical information	74	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres



Fixing positions for full extension slide

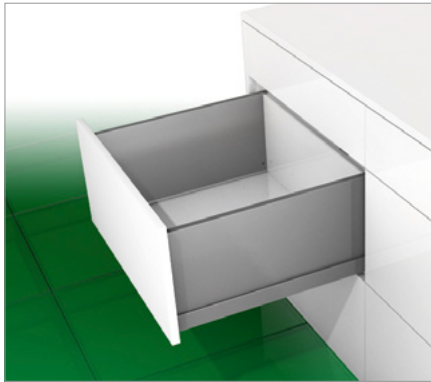


LEGEND

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

NOVA PRO SCALA

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

Packaging unit (PU):

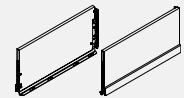
- 123 = 100 units in PE
- 201 = 1 unit in cardboard box (smallest PU = 10 units)
- 207 = 10 units in a cardboard box
- 247 = 1000 units in a cardboard box
- 250 = 1500 units in a cardboard box
- 547 = 1000 units in PE in a cardboard box

ORDER INFORMATION

1 Nova Pro Scala drawer sides H250

Set (PU 201): drawer side and drawer side lock, one left, one right

Set (PU 207): drawer side, one left, one right



NL	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
270*	F100131028		207	F100131055		207	F100131082		207			
300*	F100131031		207	F100131058		207	F100131085		207			
350*	F100131034		207	F100131061		207	F100131088		207			
400	F100131037	201	207	F100131064	201	207	F100131091	201	207			
450	F100131040	201	207	F100131067	201	207	F100131094	201	207			
500	F100131043	201	207	F100131070	201	207	F100131097	201	207			
550	F100131046	201	207	F100131073	201	207	F100131100	201	207			
600	F100131049	201	207	F100131076	201	207	F100131103	201	207			
650*	F100131052		207	F100131079		207	F100131106		207			

* upon request

2 Installation hook

Single item: can be used on left/right



	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102117719	123	547	
50 mm	Expansion dowel	F102117720	123	547	
32 mm	For press fitting	F102021854	123		250
50 mm	For press fitting	F102021153	123		250
	For screw fixing	F102021855	123	547	

3 Front clip

Single item: can be used on left/right



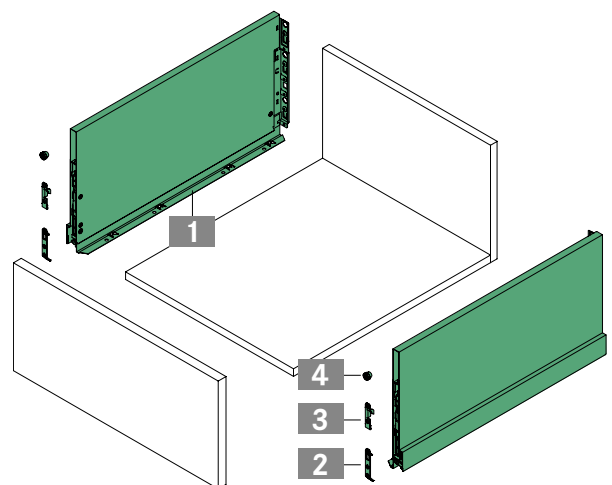
	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102104835	123	247	
32 mm	For press fitting	F102104834	123	247	
32 mm	For screw fixing	F102104833	123	247	

4 Drawer side lock

Single item: can be used on left/right



	Description	Art.-no.	PU		
	For screw fixing	F102109564	123	547	

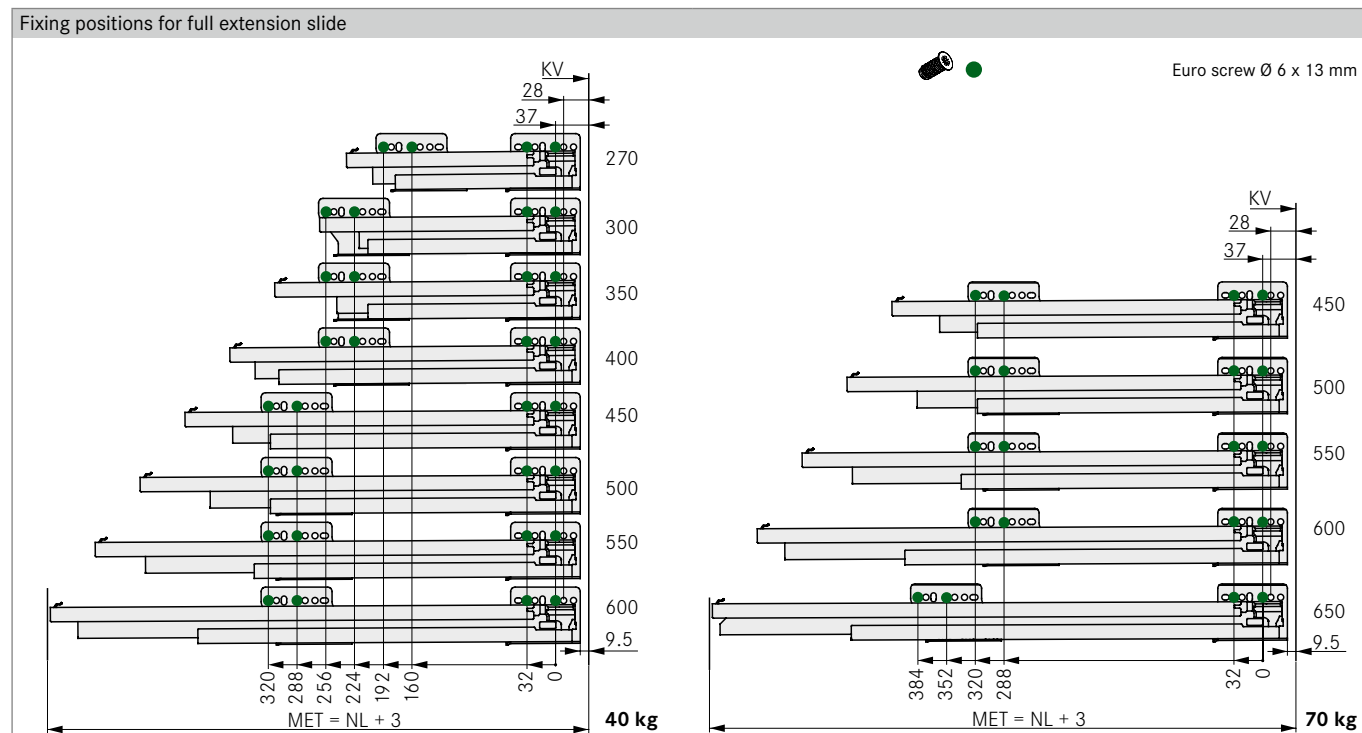
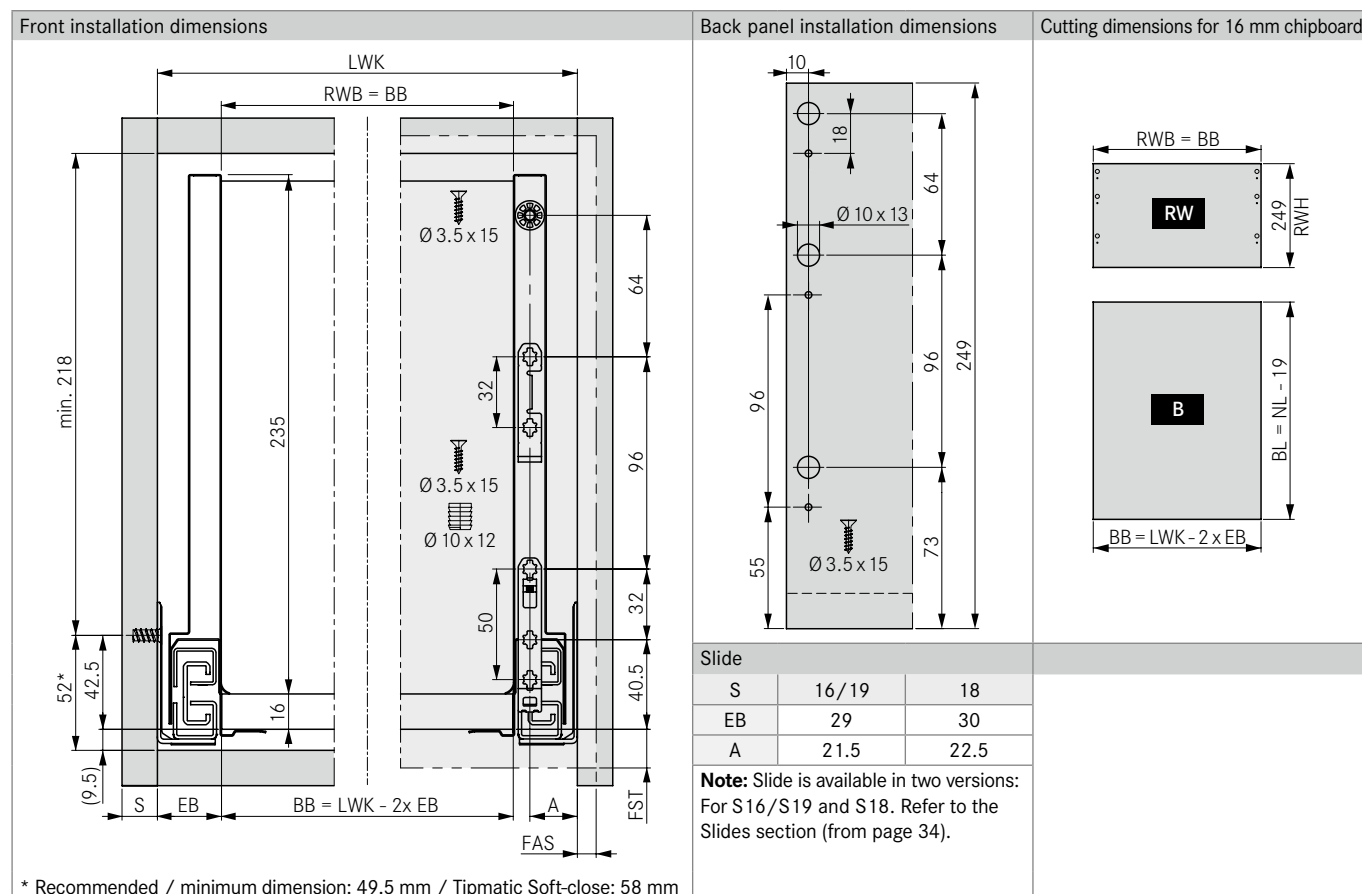


PAGE REFERENCES

Slides	34	Technical information	74	Assembly technology	116
Designer panels	64	Sensomatic	81	Assembly aids	120
Accessories	66	Organising systems	103	Packaging code	127

PLANNING DIMENSIONS

All dimensions in millimetres



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

NOVA PRO SCALA

Pot drawer H90 with rectangular railing



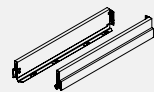
- Snug-fitting rectangular railing
- Flush-fitting back panel adapter
- Minimum plastic parts
- Integrated height and side adjustment
- Tilt angle adjustment using railing
- Optimum use of space due to straight in-side surfaces and low construction width
- Tool-free installation and removal of the front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

Packaging unit (PU):

- 123 = 100 items in PE
- 201 = 1 item in cardboard box (smallest PU = 10 units)
- 211 = 20 items in a cardboard box
- 228 = 150 items in a cardboard box
- 250 = 1500 items in a cardboard box
- 328 = 150 units in reusable packaging (cardboard box)
- 507 = 10 items in PE in a cardboard box
- 547 = 1000 items in PE in a cardboard box

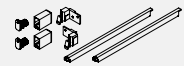
ORDER INFORMATION

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



NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
270	F100103108	201	211		F100103135	201	211		F100103162	201	211					
300	F100103111	201	211		F100103138	201	211		F100103165	201	211					
350	F100103114	201	211		F100103141	201	211		F100103168	201	211					
400	F100103117	201	211		F100103144	201	211		F100103171	201	211					
450	F100103120	201	211	228	F100103147	201	211		F100103174	201	211	228				
500	F100103123	201	211	328	F100103150	201	211	328	F100103177	201	211	228				
550	F100103126	201	211		F100103153	201	211		F100103180	201	211					
600	F100103129	201	211		F100103156	201	211		F100103183	201	211					
650	F100103132	201	211		F100103159	201	211		F100103186	201	211					

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

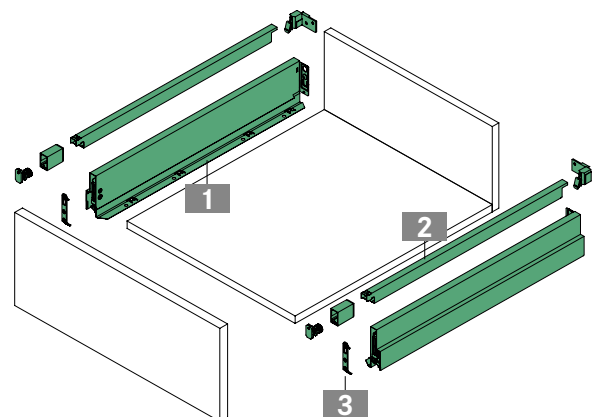


NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
270	F102103516	507			F102103525	507			F102103534	507						
300	F102103517	507			F102103526	507			F102103535	507						
350	F102103518	507			F102103527	507			F102103536	507						
400	F102103519	507			F102103528	507			F102103537	507						
450	F102103520	507			F102103529	507			F102103538	507						
500	F102103521	507			F102103530	507			F102103539	507						
550	F102103522	507			F102103531	507			F102103540	507						
600	F102103523	507			F102103532	507			F102103541	507						
650	F102103524	507			F102103533	507			F102103542	507						

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



	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102117719	123	547	
50 mm	Expansion dowel	F102117720	123	547	
32 mm	For press fitting	F102021854	123		250
50 mm	For press fitting	F102021153	123		250
	For screw fixing	F102021855	123	547	

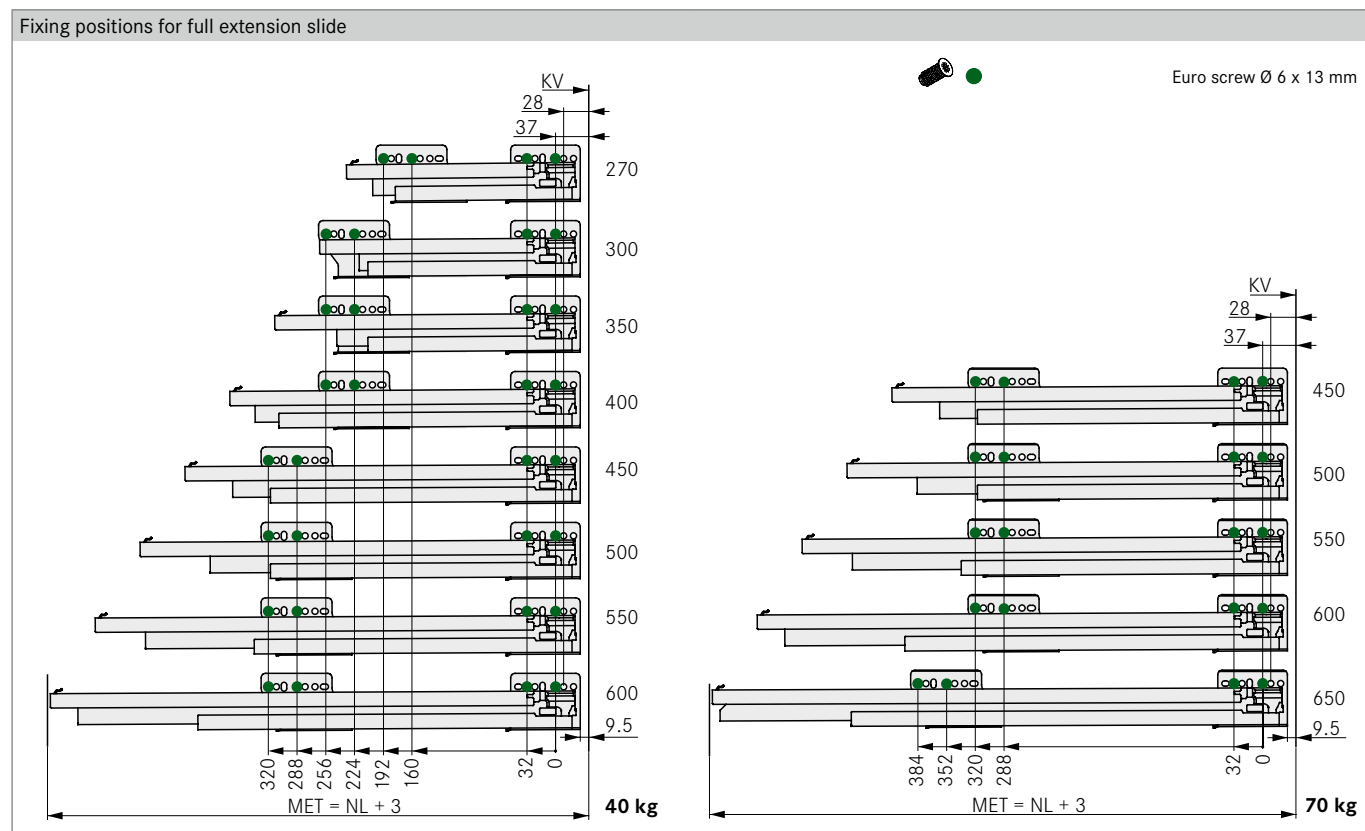
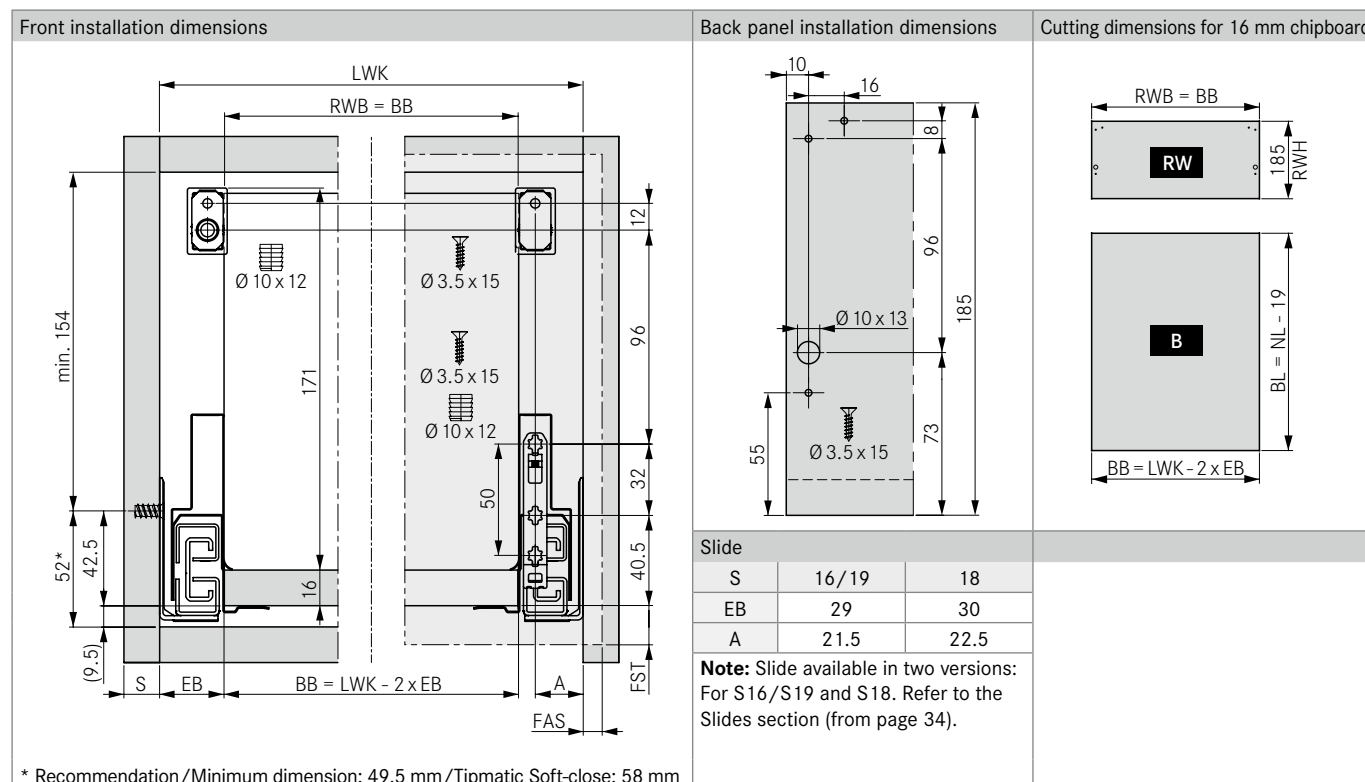


PAGE REFERENCES

Slides	34	Steel back panels	58	Technical information	74
Inset panels	42	Designer panels	64	Sensomatic	81
Individual components	52	Accessories	66	Organising systems	103

PLANNING DIMENSIONS

All dimensions in millimetres

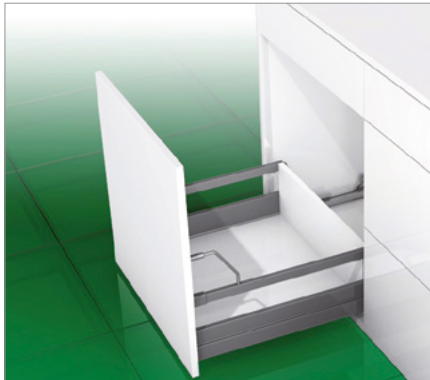


LEGEND

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

NOVA PRO SCALA

Pot drawer H90 with rectangular railing and front support



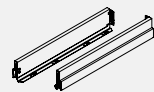
- Additional fixing points for optimum stability with extra-high fronts
- Flush-fitting back panel adapter
- Integrated height and side adjustment
- Tilt angle adjustment using railing and front support
- Optimum use of space due to straight in-side surfaces and low construction width
- Tool-free installation and removal of the front
- Width of bottom and back panel is the same
- Bottom panel machining not required

Packaging unit (PU):

- 123 = 100 items in PE
- 201 = 1 item in cardboard box (smallest PU = 10 units)
- 211 = 20 items in a cardboard box
- 228 = 150 items in a cardboard box
- 250 = 1500 items in a cardboard box
- 328 = 150 units in reusable packaging (cardboard box)
- 507 = 10 items in PE in a cardboard box
- 547 = 1000 items in PE in a cardboard box

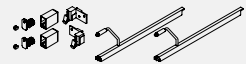
ORDER INFORMATION

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



NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
400	F100103117	201	211		F100103144	201	211		F100103171	201	211					
450	F100103120	201	211	228	F100103147	201	211		F100103174	201	211	228				
500	F100103123	201	211	328	F100103150	201	211	328	F100103177	201	211	228				
550	F100103126	201	211		F100103153	201	211		F100103180	201	211					
600	F100103129	201	211		F100103156	201	211		F100103183	201	211					
650	F100103132	201	211		F100103159	201	211		F100103186	201	211					

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



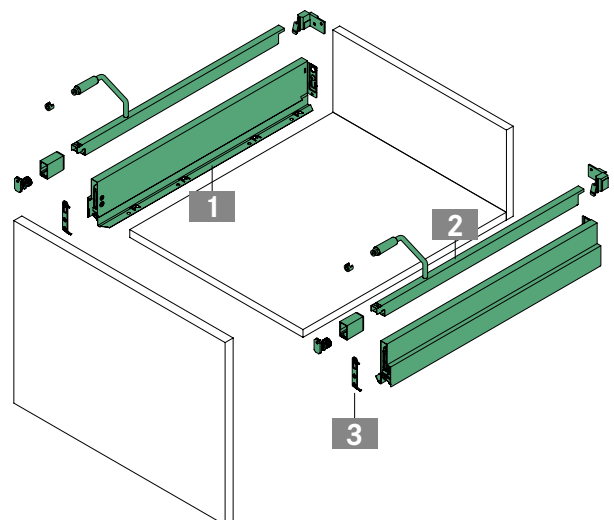
NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
400	F102103555	507			F102103564	507			F102103573	507						
450	F102103556	507			F102103565	507			F102103574	507						
500	F102103557	507			F102103566	507			F102103575	507						
550	F102103558	507			F102103567	507			F102103576	507						
600*	F102103559	507			F102103568	507			F102103577	507						
650*	F102103560	507			F102103569	507			F102103578	507						

* upon request

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



	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102117719	123	547	
50 mm	Expansion dowel	F102117720	123	547	
32 mm	For press fitting	F102021854	123		250
50 mm	For press fitting	F102021153	123		250
	For screw fixing	F102021855	123	547	

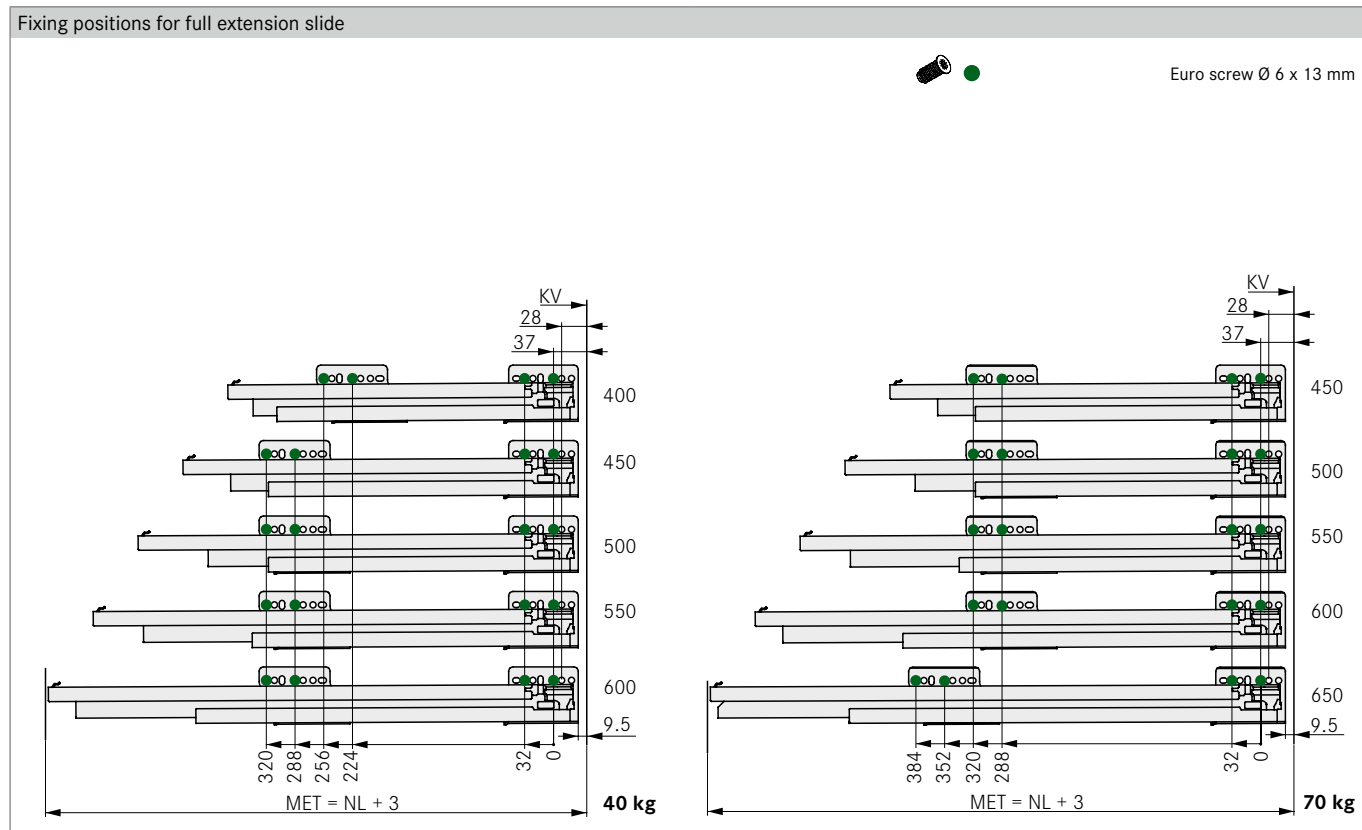
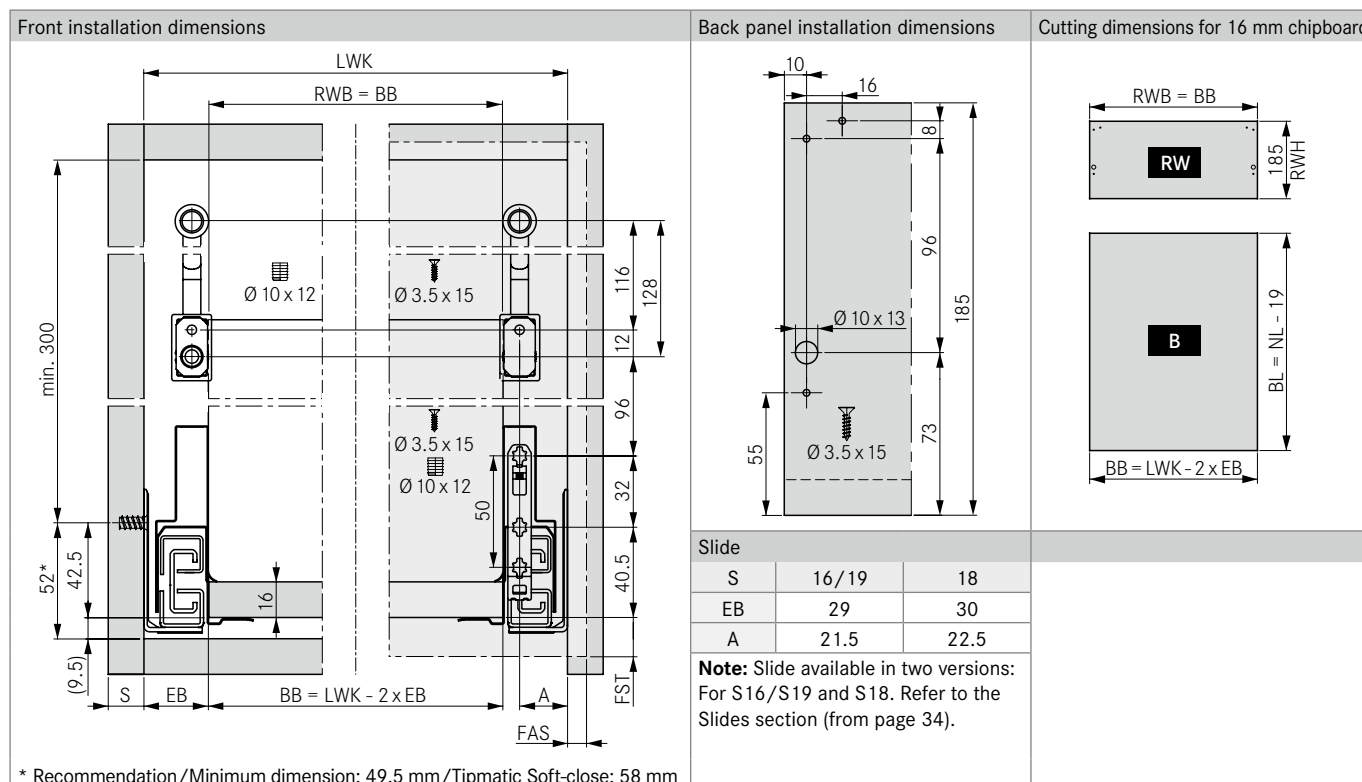


PAGE REFERENCES

Slides	34	Designer panels	64	Sensomatic	81
Inset panels	42	Accessories	66	Organising systems	103
Steel back panels	58	Technical information	74	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres

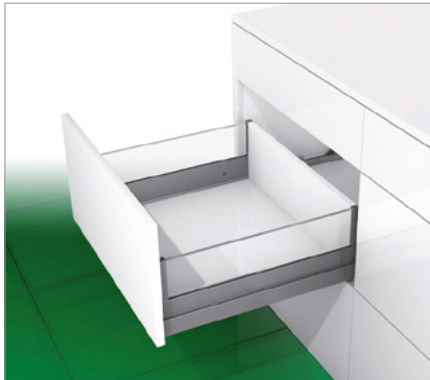


LEGEND

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

NOVA PRO SCALA CRYSTAL

Pot drawer for slide-in elements height 94 mm



- No processing of the slide-in elements necessary
- High level of stability, also without front and slide-in elements
- Elegant, steel covered glass clips
- Integrated height, side and tilt angle adjustment
- Optimum use of space due to straight in-side 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

Packaging unit (PU):

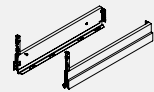
123 = 100 items in PE
 201 = 1 item in cardboard box
 (smallest PU = 10 units)
 211 = 20 items in a cardboard box
 247 = 1000 items in a cardboard box
 250 = 1500 items in a cardboard box
 507 = 10 items in PE in a cardboard box
 547 = 1000 items in PE in a cardboard box

Note:

When using glass slide-in elements we recommend using single pane safety glass and refer to national and international safety standards.

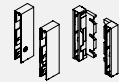
ORDER INFORMATION

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



NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
270	F100103408	201	211		F100103435	201	211		F100103462	201	211					
300	F100103411	201	211		F100103438	201	211		F100103465	201	211					
350	F100103414	201	211		F100103441	201	211		F100103468	201	211					
400	F100103417	201	211		F100103444	201	211		F100103471	201	211					
450	F100103420	201	211		F100103447	201	211		F100103474	201	211					
500	F100103423	201	211		F100103450	201	211		F100103477	201	211					
550	F100103426	201	211		F100103453	201	211		F100103480	201	211					
600	F100103429	201	211		F100103456	201	211		F100103483	201	211					
650	F100103432	201	211		F100103459	201	211		F100103486	201	211					

2 Nova Pro Scala Crystal fixture for wooden back panel Set: Glass clip (front/back), one on left/right



	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
	F102104836	507			F102104843	507			F102104850	507						

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

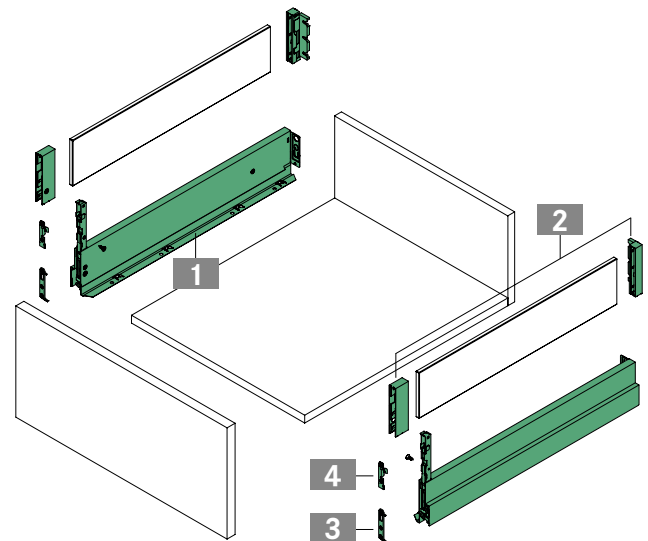


	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102117719	123	547	
50 mm	Expansion dowel	F102117720	123	547	
32 mm	For press fitting	F102021854	123		250
50 mm	For press fitting	F102021153	123		250
	For screw fixing	F102021855	123	547	

4 Front clip Single item: Can be used on left/right



	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102104835	123	247	
32 mm	For press fitting	F102104834	123	247	
32 mm	For screw fixing	F102104833	123	247	

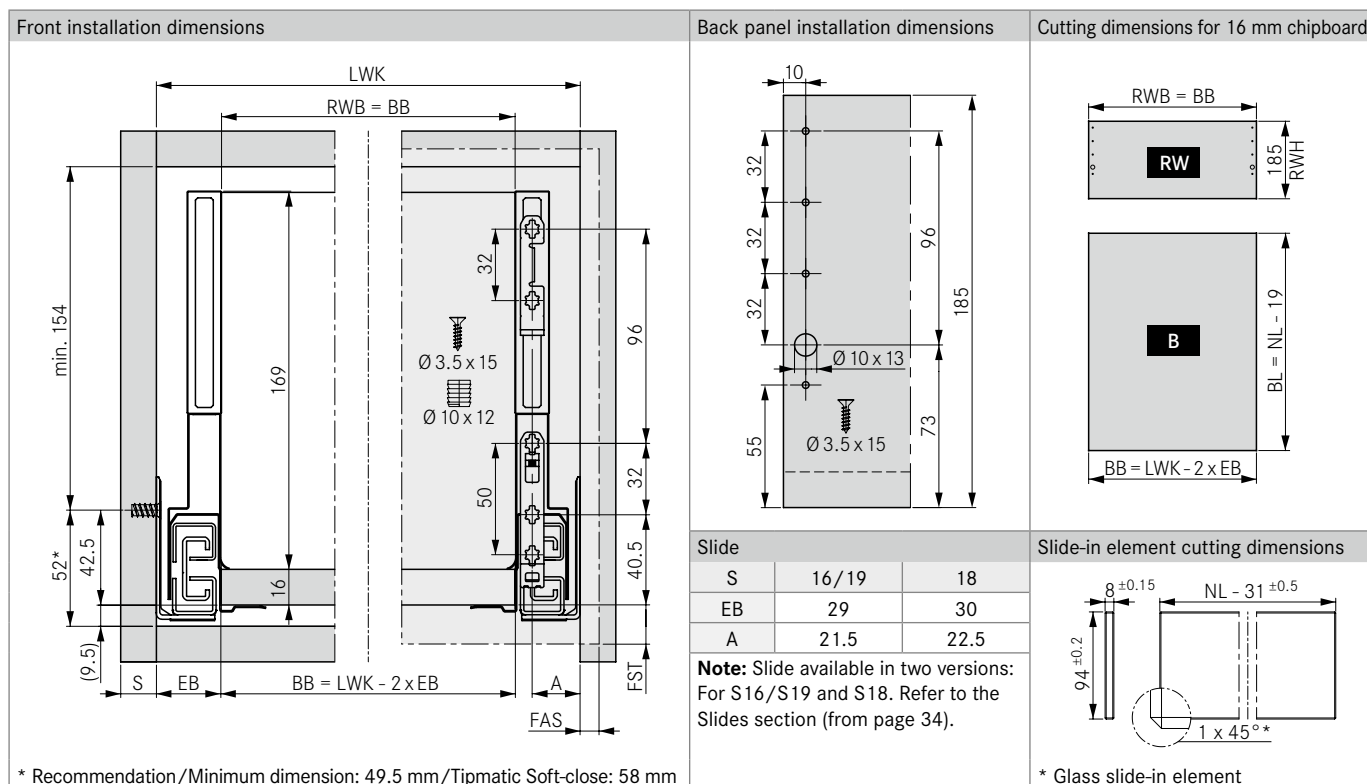


PAGE REFERENCES

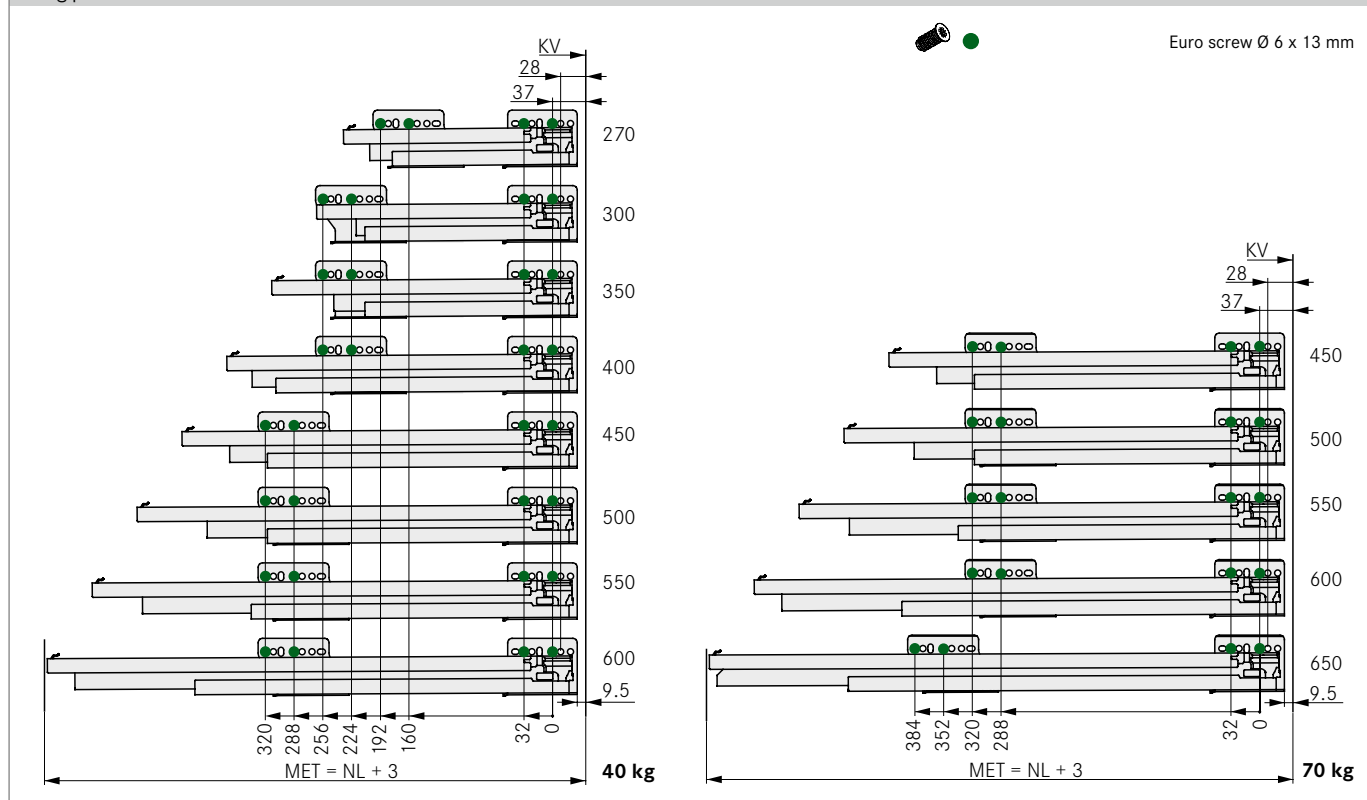
Slides	34	Steel back panels	58	Sensomatic	81
Inset panels	42	Accessories	66	Organising systems	103
Individual components	56	Technical information	74	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres



Fixing positions for full extension slide

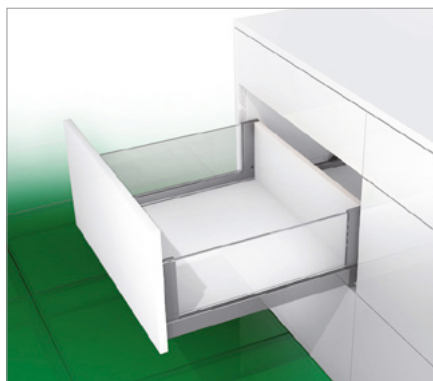


LEGEND

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

NOVA PRO SCALA CRYSTAL PLUS

Frame drawer for large slide-in elements, height 140 mm



- 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

Packaging unit (PU):

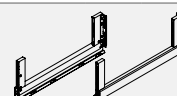
123 = 100 items in PE
 201 = 1 item in cardboard box
 (smallest PU = 10 units)
 211 = 20 items in a cardboard box
 247 = 1000 items in a cardboard box
 250 = 1500 items in a cardboard box
 547 = 1000 items in PE in a cardboard box

Note:

When using glass slide-in elements we recommend using single pane safety glass and refer to national and international safety standards.

ORDER INFORMATION

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



NL	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
270	F100104724	201	211		F100104751	201	211		F100104778	201	211					
300	F100104727	201	211		F100104754	201	211		F100104781	201	211					
350	F100104730	201	211		F100104757	201	211		F100104784	201	211					
400	F100104733	201	211		F100104760	201	211		F100104787	201	211					
450	F100104736	201	211		F100104763	201	211		F100104790	201	211					
500	F100104739	201	211		F100104766	201	211		F100104793	201	211					
550	F100104742	201	211		F100104769	201	211		F100104796	201	211					
600	F100104745	201	211		F100104772	201	211		F100104799	201	211					
650	F100104748	201	211		F100104775	201	211		F100104802	201	211					

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

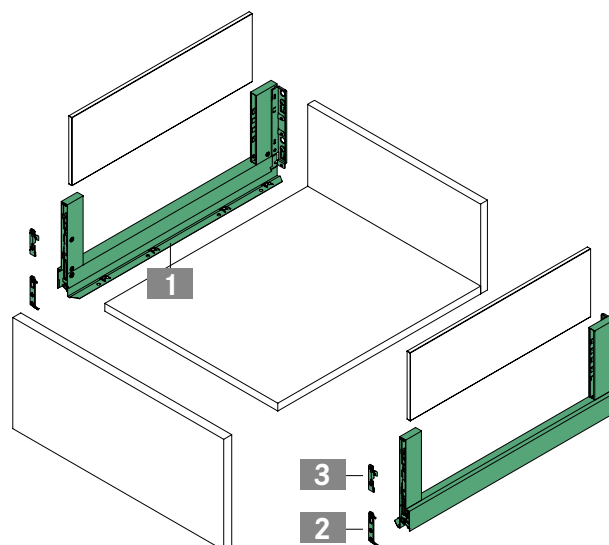


	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102117719	123	547	
50 mm	Expansion dowel	F102117720	123	547	
32 mm	For press fitting	F102021854	123		250
50 mm	For press fitting	F102021153	123		250
	For screw fixing	F102021855	123	547	

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



	Description	Art.-no.	PU		
32 mm	Expansion dowel	F102104835	123	247	
32 mm	For press fitting	F102104834	123	247	
32 mm	For screw fixing	F102104833	123	247	

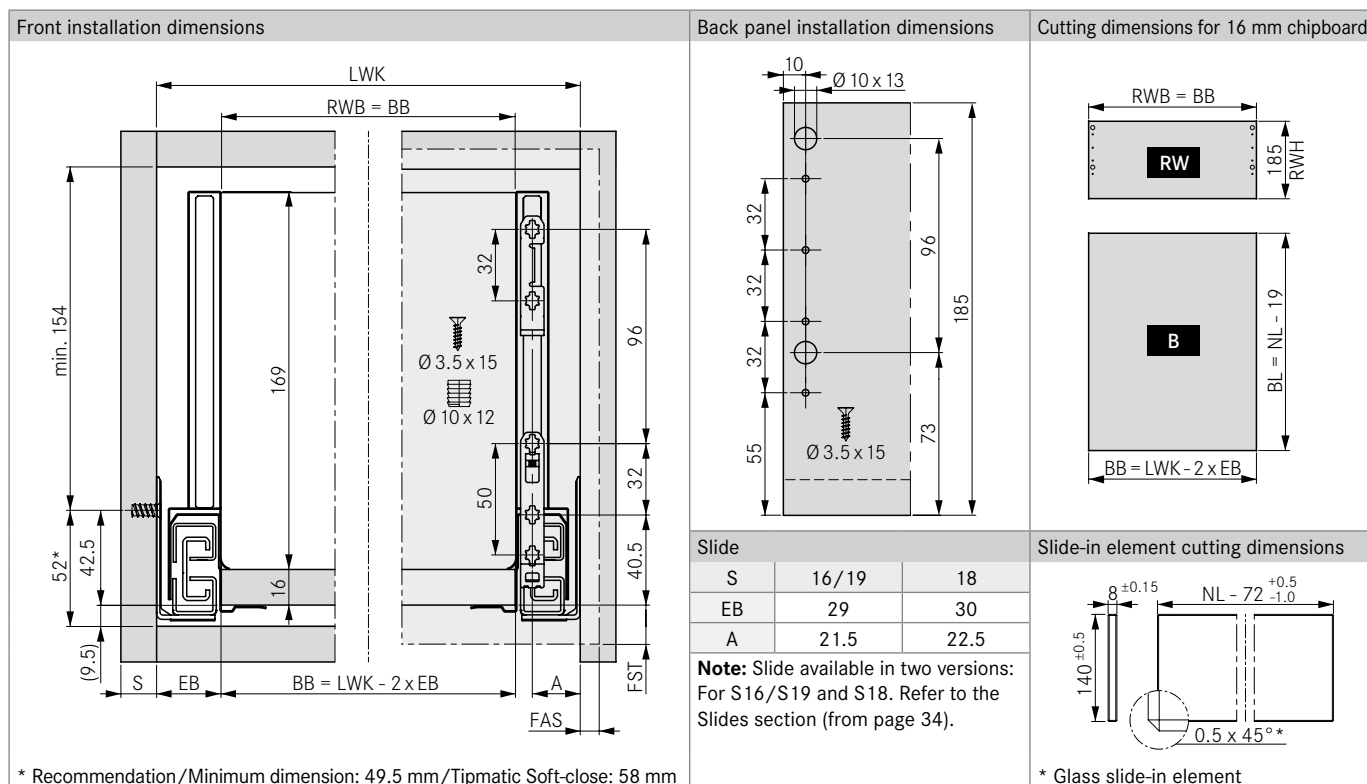


PAGE REFERENCES

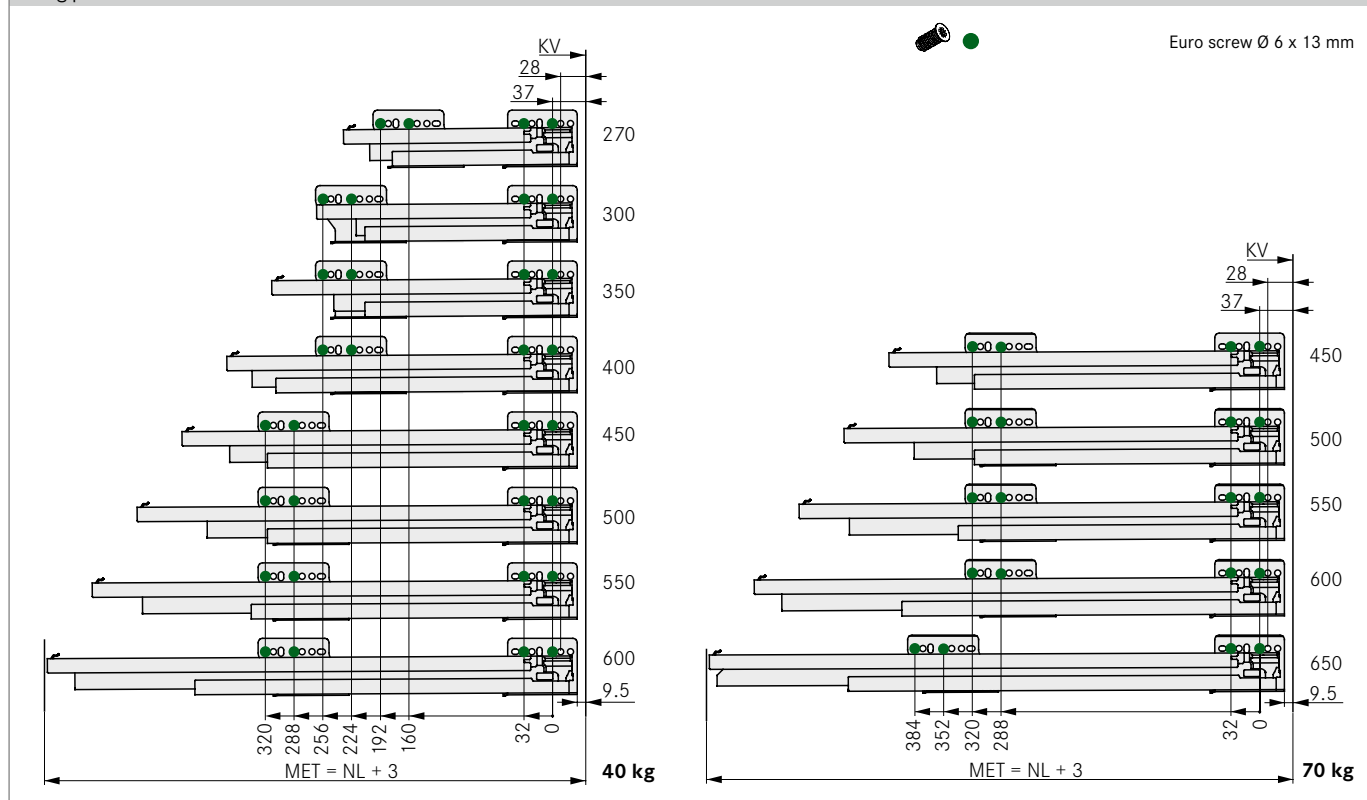
Slides	34	Accessories	66	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116
Steel back panels	58	Sensomatic	81	Assembly aids	120

PLANNING DIMENSIONS

All dimensions in millimetres



Fixing positions for full extension slide



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

NOVA PRO SOFT-CLOSE S16/S19

Full extension slide 40/70 kg



- 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 drawer sides

Packaging unit (PU):

211 = 20 items in a cardboard box

507 = 10 items in PE in a cardboard box

Notes:

- Used with cabinet side wall S16 and S19 mm
- Construction width 29 mm
- Refer to installation information

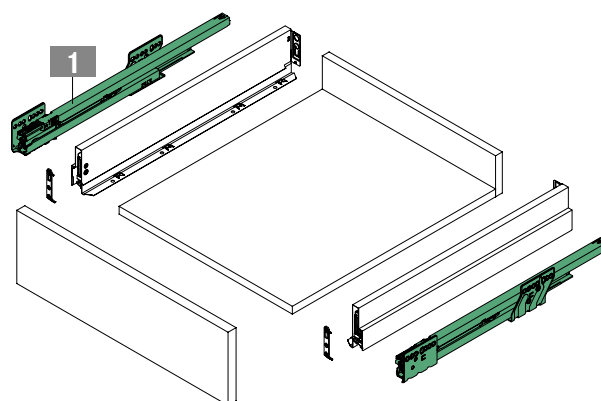
ORDER INFORMATION

1

Nova Pro full extension slide Soft-close S16/S19

Set: One left, one right

NL	40 kg				70 kg											
	Art.-no.	PU			Art.-no.	PU										
270	F101108261	507	211		-											
300	F101108264	507	211		-											
350	F101108267	507	211		-											
400	F101108270	507	211		-											
450	F101108273	507	211		F101108285	507	211									
500	F101108276	507	211		F101108288	507	211									
550	F101108279	507	211		F101108291	507	211									
600	F101108282	507	211		F101108294	507	211									
650	-				F101108297	507	211									

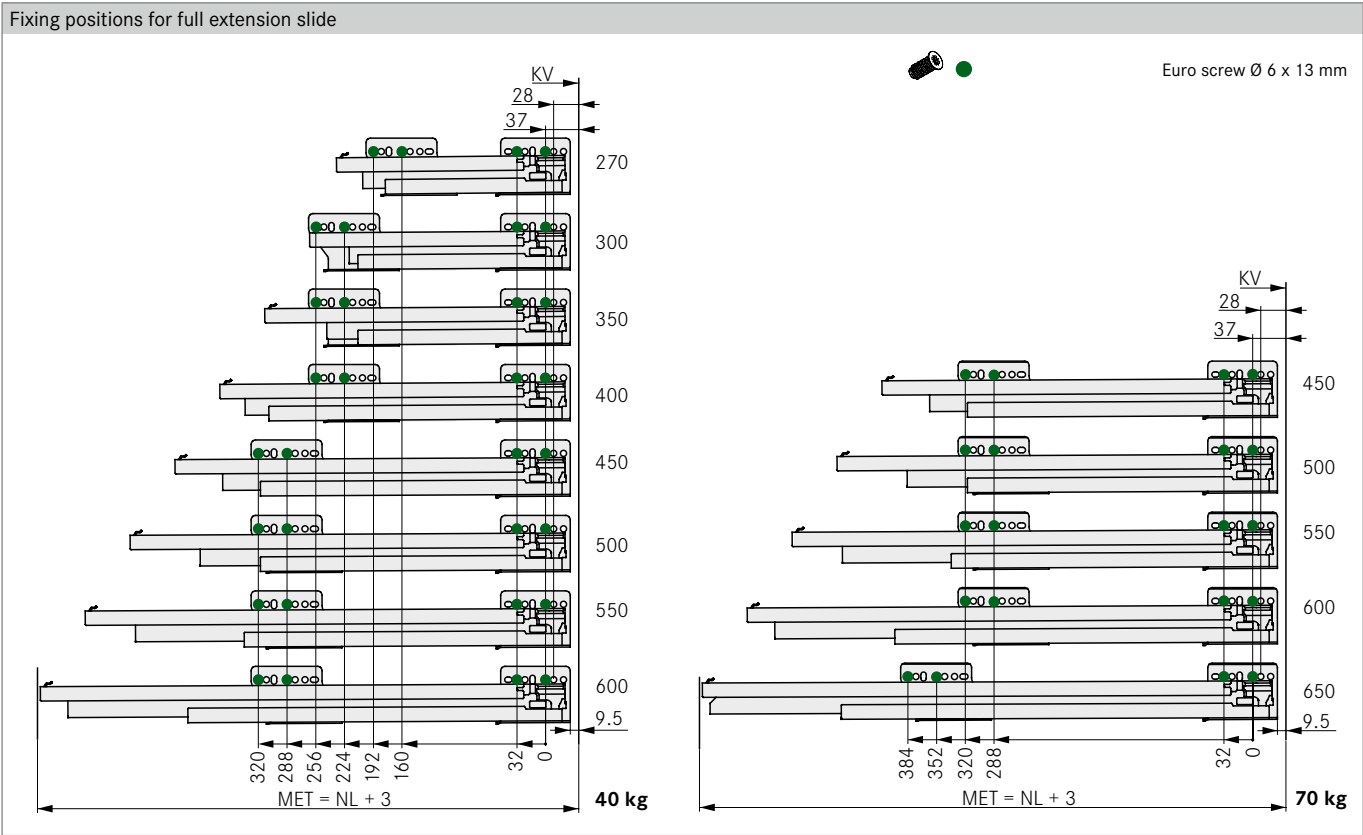
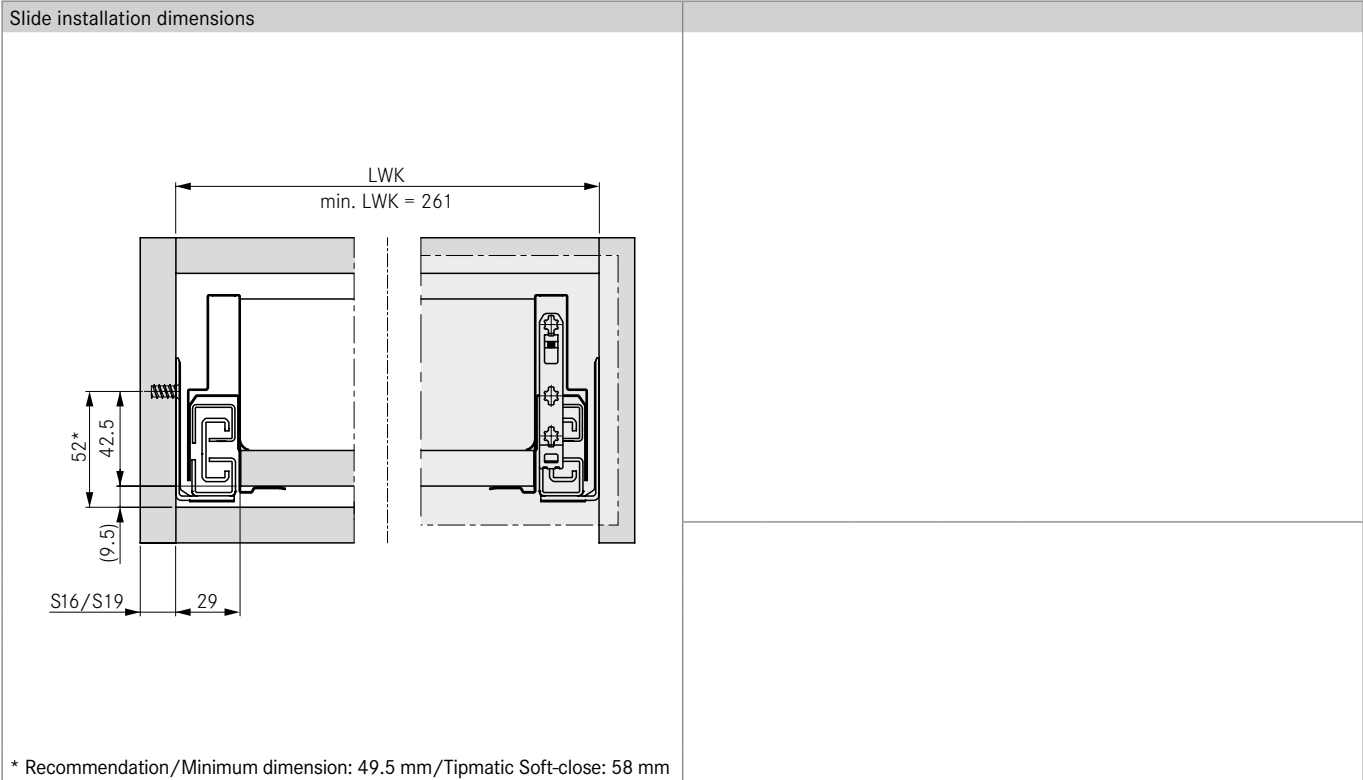


PAGE REFERENCES

Drawer sides	13	Designer panels	64	Sensomatic	81
Inset panels	42	Accessories	66	Organising systems	103
Steel back panels	58	Technical information	74	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

KV	Front edge of cabinet
LWK	Inside cabinet width
MET	Minimum installation depth
NL	Nominal length

S	Cabinet side wall
---	-------------------

NOVA PRO SOFT-CLOSE S18

Full extension slide 40/70 kg



- 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 drawer sides

Packaging unit (PU):

211 = 20 items in a cardboard box

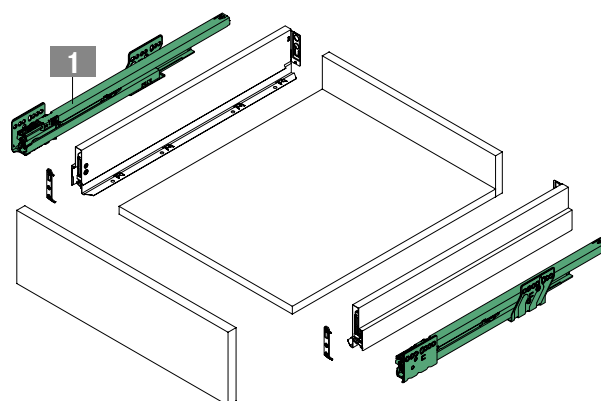
507 = 10 items in PE in a cardboard box

Notes:

- Used with cabinet side wall S18 mm
- Construction width 30 mm
- Refer to installation information

ORDER INFORMATION

1 Nova Pro full extension slide Soft-close S18 Set: One left, one right																	
NL	40 kg				70 kg												
	Art.-no.	PU			Art.-no.	PU											
270	F101108450	507	211		-												
300	F101108453	507	211		-												
350	F101108456	507	211		-												
400	F101108459	507	211		-												
450	F101108462	507	211		F101108474	507	211										
500	F101108465	507	211		F101108477	507	211										
550	F101108468	507	211		F101108480	507	211										
600	F101108471	507	211		F101108483	507	211										
650	-				F101108486	507	211										

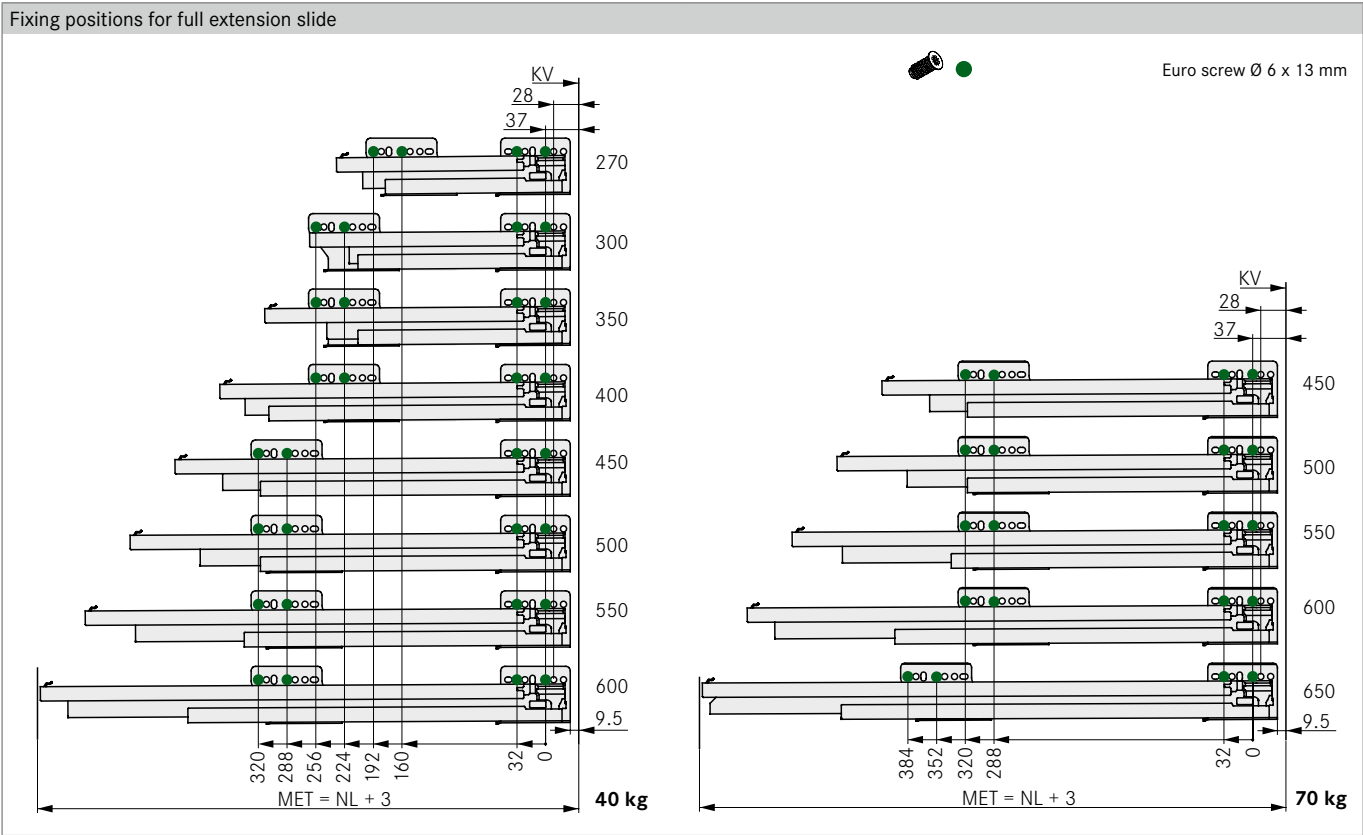
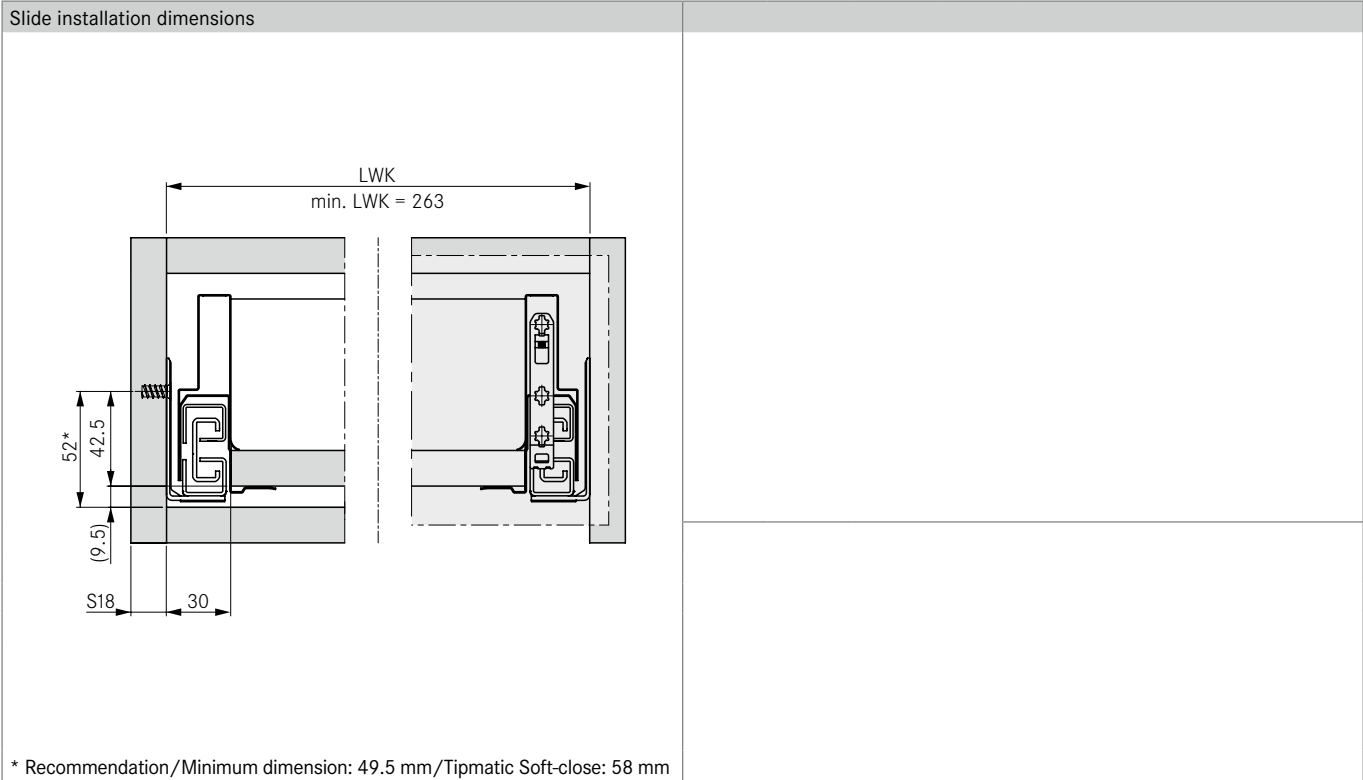


PAGE REFERENCES

Drawer sides	13	Designer panels	64	Sensomatic	81
Inset panels	42	Accessories	66	Organising systems	103
Steel back panels	58	Technical information	74	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

KV	Front edge of cabinet
LWK	Inside cabinet width
MET	Minimum installation depth
NL	Nominal length

S	Cabinet side wall
---	-------------------

NOVA PRO TIPMATIC SOFT-CLOSE S16/S19

Full extension slide 40/70 kg



- 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

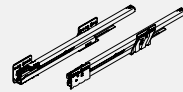
Packaging unit (PU):

207 = 10 items in a cardboard box
 211 = 20 items in a cardboard box
 213 = 25 items in a cardboard box
 223 = 100 items in a cardboard box
 507 = 10 items in PE in a cardboard box
 607 = 10 items in a cardboard box in a cardboard box

Notes:

- Used with cabinet side wall S16 and S19 mm
- Construction width 29 mm
- Refer to installation information

ORDER INFORMATION

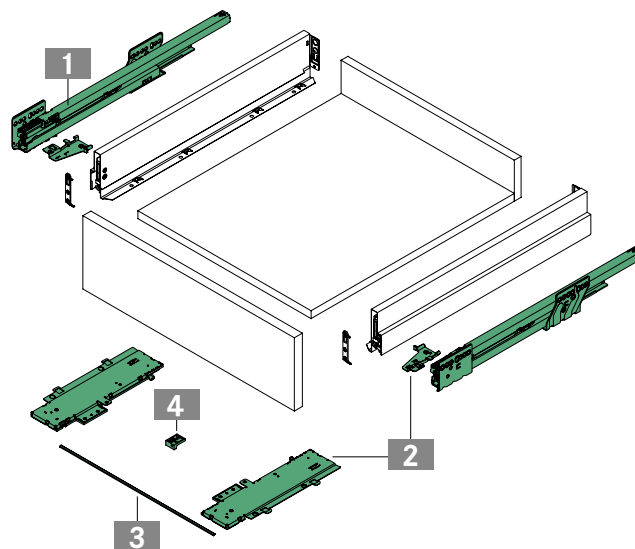
1 Nova Pro full extension slide Soft-close S16/S19 Set: one left, one right																	
NL	40 kg				70 kg												
	Art.-no.	PU			Art.-no.	PU											
270*	F101108261	507	211		-												
300	F101108264	507	211		-												
350	F101108267	507	211		-												
400	F101108270	507	211		-												
450	F101108273	507	211		F101108285	507	211										
500	F101108276	507	211		F101108288	507	211										
550	F101108279	507	211		F101108291	507	211										
600	F101108282	507	211		F101108294	507	211										
650	-				F101108297	507	211										

* Tipmatic Soft-close not possible with a steel back panel

2 Nova Pro Tipmatic Soft-close Set: unit and activator, one on each side left/right						3 Synchronisation rod for Nova Pro Tipmatic Soft-close Single item: for cutting to length					
Description		Art.-no.	PU			Description		Art.-no.	PU		
For screw fixing		F102109293	607			Length: 962 mm		F102109393	207		

4 Support for synchronisation rod Single item: for screw fixing					
Description		Art.-no.	PU		
from KB 800 mm		F102108021	207	223	

Individual components					
Description		Art.-no.	PU		
Nova Pro Tipmatic Soft-close unit Set: one left, one right		F102109294	213		
Nova Pro Tipmatic Soft-close activator Set: one left, one right		F102109295	223		

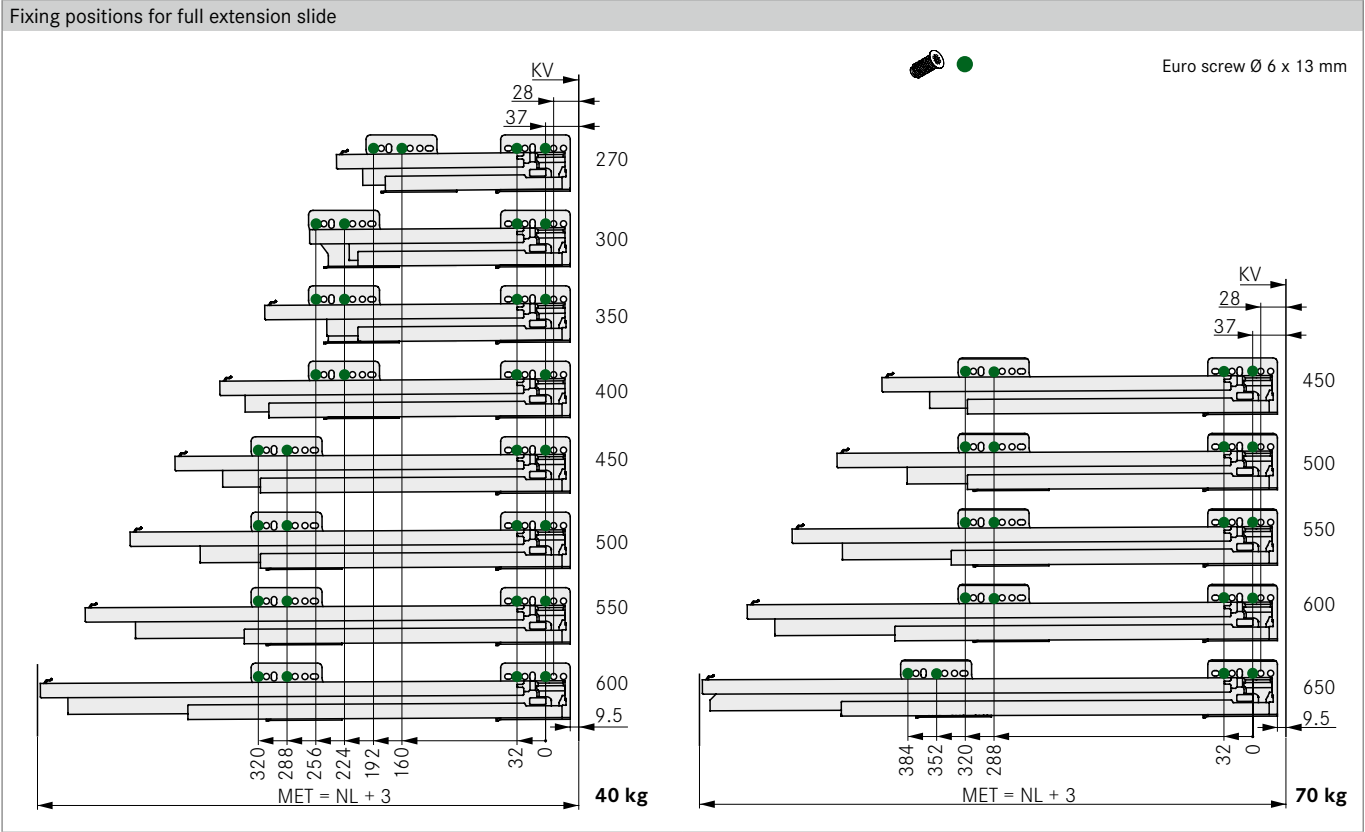
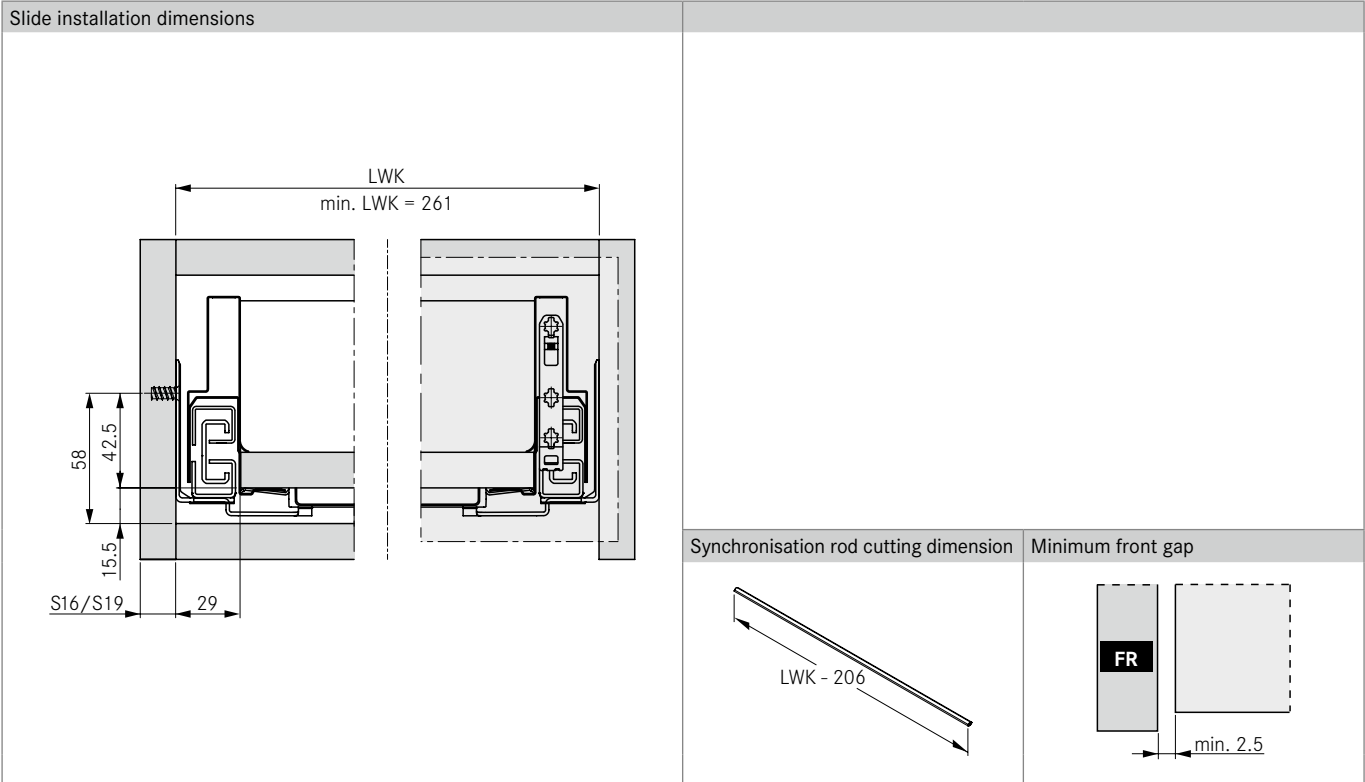


PAGE REFERENCES

Drawer sides	13	Designer panels	64	Organising systems	103
Inset panels	42	Accessories	66	Assembly technology	116
Steel back panels	58	Technical information	74	Assembly aids	120

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

FR	Front
KB	Cabinet width
KV	Front edge of cabinet
LWK	Inside cabinet width

MET	Minimum installation depth
NL	Nominal length
S	Cabinet side wall

NOVA PRO TIPMATIC SOFT-CLOSE S18

Full extension slide 40/70 kg



- 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

Packaging unit (PU):

207 = 10 items in a cardboard box
 211 = 20 items in a cardboard box
 213 = 25 items in a cardboard box
 223 = 100 items in a cardboard box
 507 = 10 items in PE in a cardboard box
 607 = 10 items in a cardboard box in a cardboard box

Notes:

- Use with cabinet side wall S18 mm
- Construction width 30 mm
- Refer to installation information

ORDER INFORMATION

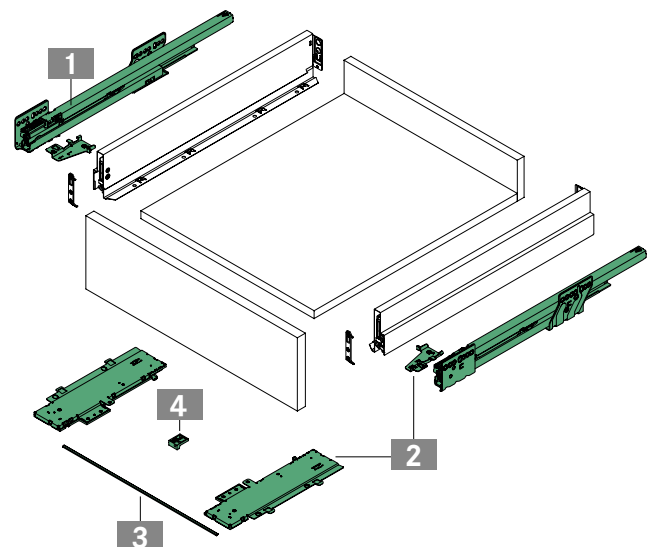
1 Nova Pro full extension slide Soft-close S18 Set: one left, one right																		
NL	40 kg					70 kg												
	Art.-no.	PU				Art.-no.	PU											
270*	F101108450	507	211			-												
300	F101108453	507	211			-												
350	F101108456	507	211			-												
400	F101108459	507	211			-												
450	F101108462	507	211			F101108474	507	211										
500	F101108465	507	211			F101108477	507	211										
550	F101108468	507	211			F101108480	507	211										
600	F101108471	507	211			F101108483	507	211										
650	-					F101108486	507	211										

* Tipmatic Soft-close not possible with a steel back panel

2 Nova Pro Tipmatic Soft-close Set: unit and activator, one on each side left/right				3 Synchronisation rod for Nova Pro Tipmatic Soft-close Single item: for cutting to length			
Description		Art.-no.	PU	Description		Art.-no.	PU
For screw fixing		F102109293	607	Length: 962 mm		F102109393	207

4 Support for synchronisation rod Single item: for screw fixing			
Description		Art.-no.	PU
from KB 800 mm		F102108021	207 223

Individual components			
Description		Art.-no.	PU
Nova Pro Tipmatic Soft-close unit Set: one left, one right		F102109294	213
Nova Pro Tipmatic Soft-close activator Set: one left, one right		F102109295	223

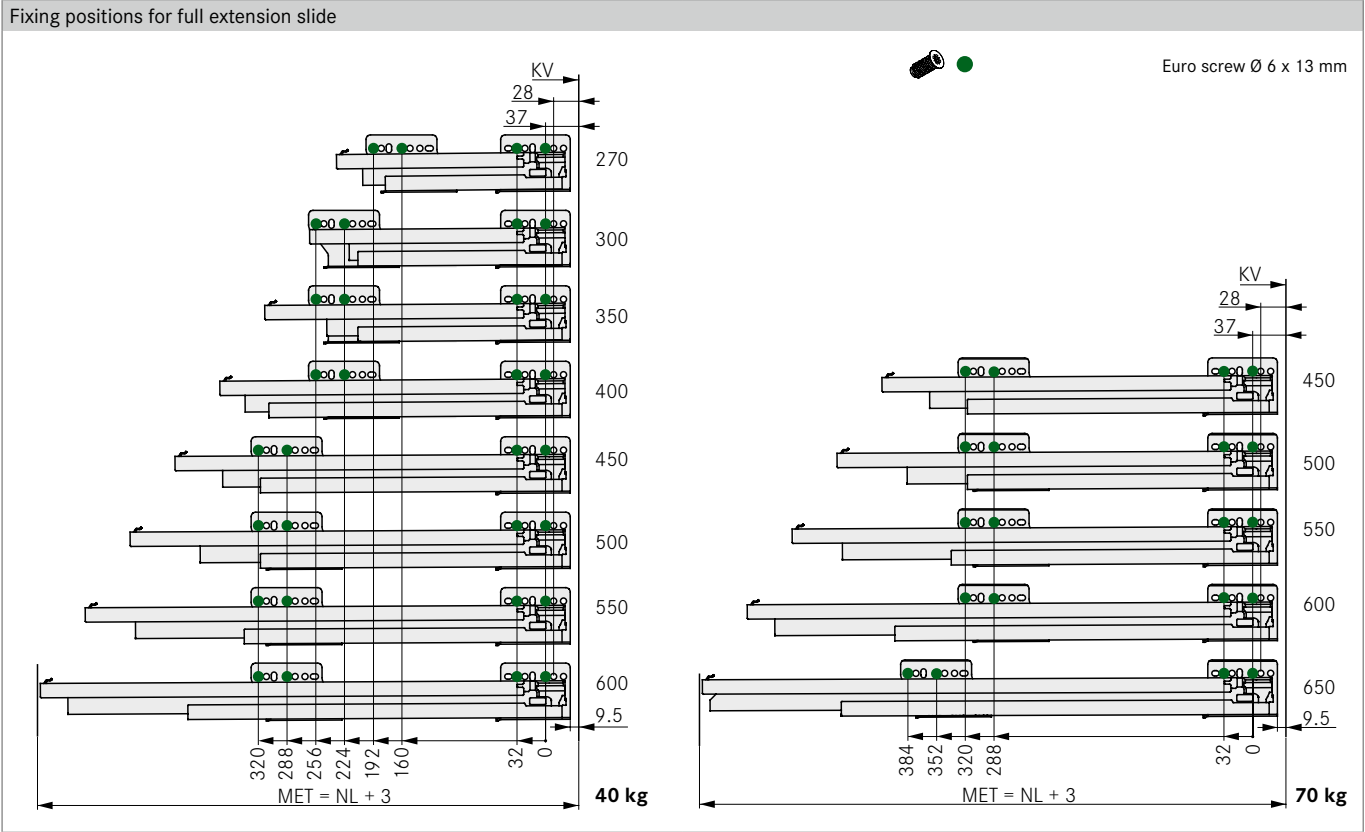
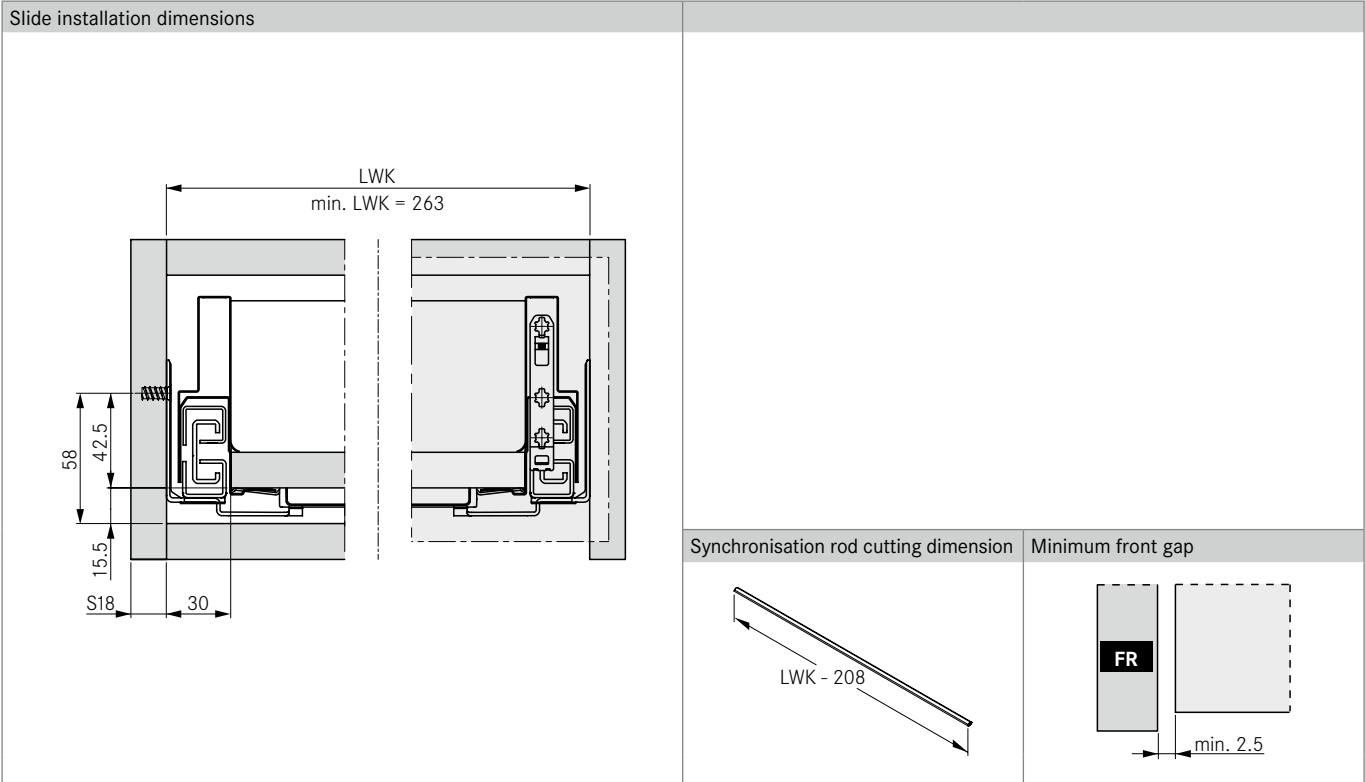


PAGE REFERENCES

Drawer sides	13	Designer panels	64	Organising systems	103
Inset panels	42	Accessories	66	Assembly technology	116
Steel back panels	58	Technical information	74	Assembly aids	120

PLANNING DIMENSIONS

All dimensions in millimetres



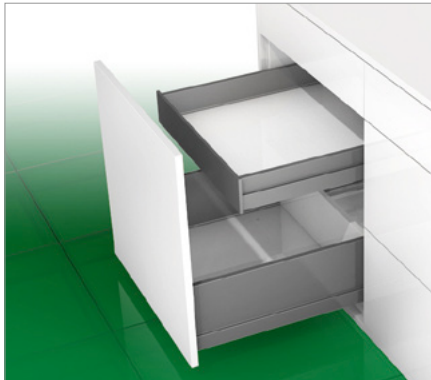
LEGEND

FR	Front
KB	Cabinet width
KV	Front edge of cabinet
LWK	Inside cabinet width

MET	Minimum installation depth
NL	Nominal length
S	Cabinet side wall

NOVA PRO SCALA

F8 inset panel for inset drawer H90



- Colour-coordinated aluminium front panel profile
- High-quality design with smooth inside and outside surfaces
- Same dimensions as for standard drawers (inside depth)
- Also for cutting to length (see page 48)

Packaging unit (PU):

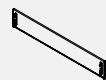
211 = 20 items in a cardboard box

Note:

Front-bottom connector recommended from width 600 mm (refer to Accessories)

ORDER INFORMATION

- 1** F8 inset panel for inset drawer H90, S16 and S18/S19
Set: Inset panel with pre-assembled installation hook and cover caps



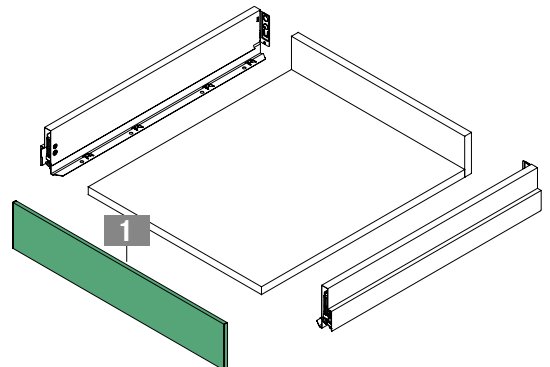
S16*		Stone			Ice			Silver					
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
250	F102104864	211		F102104879	211		F102104894	211					
300	F102104866	211		F102104881	211		F102104896	211					
350	F102104867	211		F102104882	211		F102104897	211					
400	F102104868	211		F102104883	211		F102104898	211					
450	F102104869	211		F102104884	211		F102104899	211					
500	F102104870	211		F102104885	211		F102104900	211					
600	F102104872	211		F102104887	211		F102104902	211					
800	F102104874	211		F102104889	211		F102104904	211					
900	F102104875	211		F102104890	211		F102104905	211					
1000	F102104876	211		F102104891	211		F102104906	211					
1200	F102104878	211		F102104893	211		F102104908	211					

S18/S19*		Stone			Ice			Silver					
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
250	F102105101	211		F102105116	211		F102105131	211					
300	F102105103	211		F102105118	211		F102105133	211					
350	F102105104	211		F102105119	211		F102105134	211					
400	F102105105	211		F102105120	211		F102105135	211					
450	F102105106	211		F102105121	211		F102105136	211					
500	F102105107	211		F102105122	211		F102105137	211					
600	F102105109	211		F102105124	211		F102105139	211					
800	F102105111	211		F102105126	211		F102105141	211					
900	F102105112	211		F102105127	211		F102105142	211					
1000	F102105113	211		F102105128	211		F102105143	211					
1200	F102105115	211		F102105130	211		F102105145	211					

* upon request

NOTES

- Inset panel S16 or S19 only in combination with full extension slide S16/S19 (see page 34 and 38)
- Inset panel S18 only in combination with full extension slide S18 (see page 36 and 40)

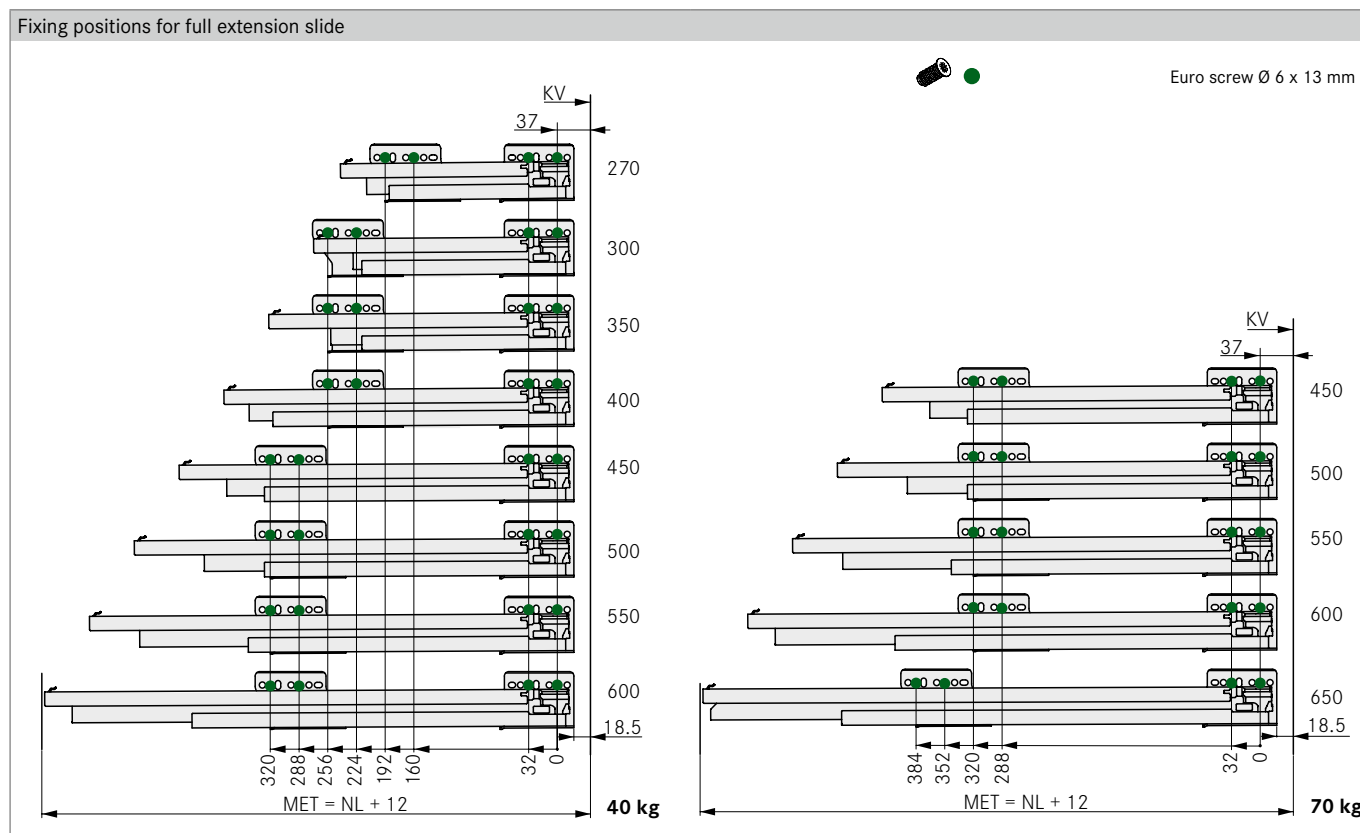
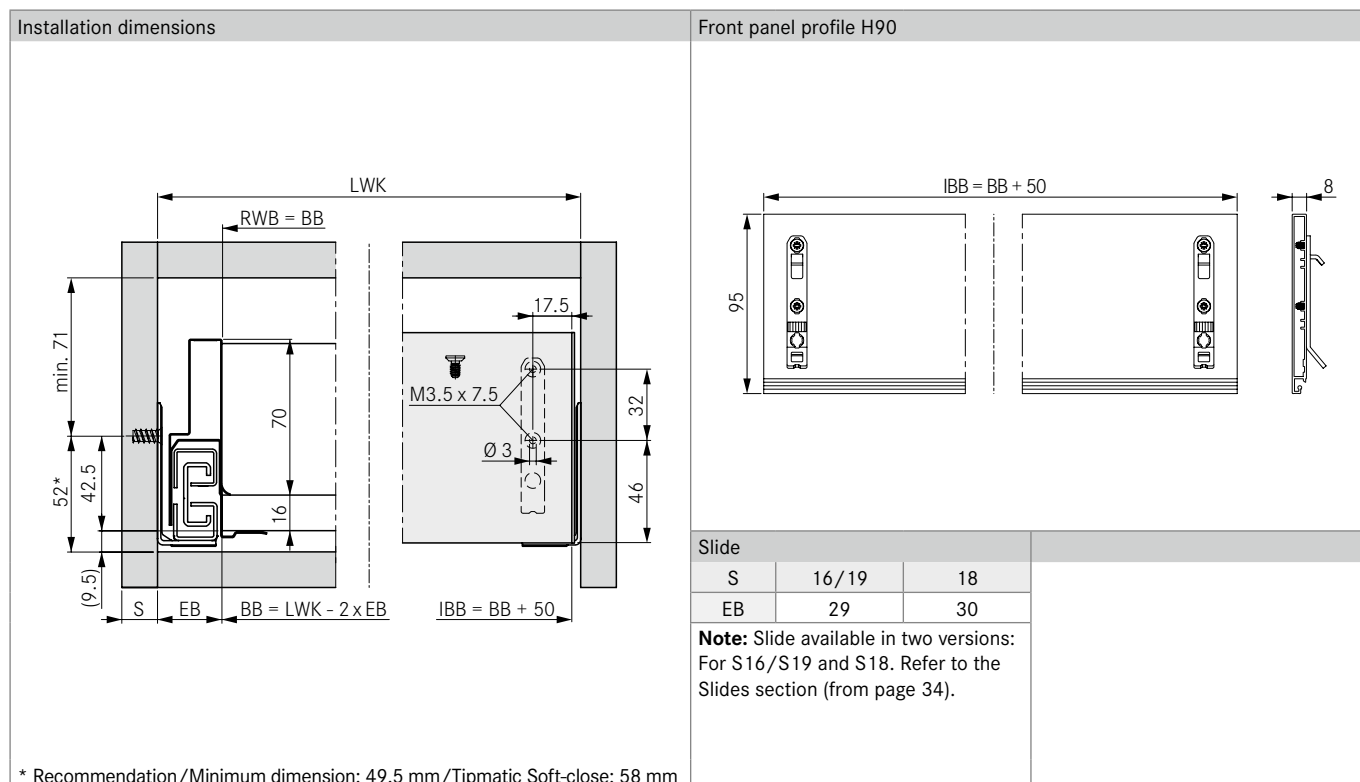


PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Individual components	48	Accessories	66	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres

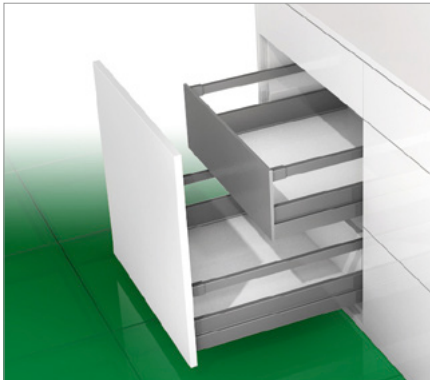


LEGEND

BB	Bottom panel width	KV	Front edge of cabinet	RWB	Width of back panel
EB	Construction width	LWK	Inside cabinet width	S	Cabinet side wall
IBB	Inset panel width	MET	Minimum installation depth		
KB	Cabinet width	NL	Nominal length		

NOVA PRO SCALA

F8 inset panel for inset drawer H90 with rectangular railing



- Colour-coordinated aluminium front panel profile
- High-quality design with smooth inside and outside surfaces
- Same dimensions as for standard drawers (inside depth)
- Also for cutting to length (see page 48)

Packaging unit (PU):

207 = 10 items in a cardboard box

Note:

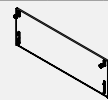
Front-bottom connector recommended from width 600 mm (refer to Accessories)

ORDER INFORMATION

1

F8 inset panel for inset drawer H90 with rectangular railing, S16 and S18/19

Set: Inset panel with pre-assembled installation hook, rectangular railing holders and cover caps



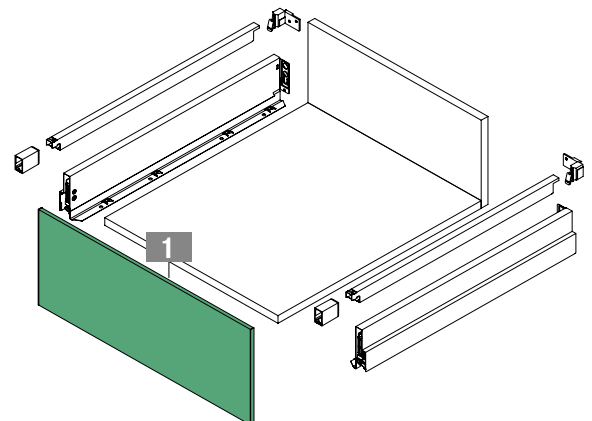
S16*		Stone			Ice			Silver					
KB	Art.-no.	PU			Art.-no.	PU		Art.-no.	PU				
250	F102104924	207			F102104939	207		F102104954	207				
300	F102104926	207			F102104941	207		F102104956	207				
350	F102104927	207			F102104942	207		F102104957	207				
400	F102104928	207			F102104943	207		F102104958	207				
450	F102104929	207			F102104944	207		F102104959	207				
500	F102104930	207			F102104945	207		F102104960	207				
600	F102104932	207			F102104947	207		F102104962	207				
800	F102104934	207			F102104949	207		F102104964	207				
900	F102104935	207			F102104950	207		F102104965	207				
1000	F102104936	207			F102104951	207		F102104966	207				
1200	F102104938	207			F102104953	207		F102104968	207				

S18/S19*		Stone			Ice			Silver					
KB	Art.-no.	PU			Art.-no.	PU		Art.-no.	PU				
250	F102105161	207			F102105176	207		F102105191	207				
300	F102105163	207			F102105178	207		F102105193	207				
350	F102105164	207			F102105179	207		F102105194	207				
400	F102105165	207			F102105180	207		F102105195	207				
450	F102105166	207			F102105181	207		F102105196	207				
500	F102105167	207			F102105182	207		F102105197	207				
600	F102105169	207			F102105184	207		F102105199	207				
800	F102105171	207			F102105186	207		F102105201	207				
900	F102105172	207			F102105187	207		F102105202	207				
1000	F102105173	207			F102105188	207		F102105203	207				
1200	F102105175	207			F102105190	207		F102105205	207				

* upon request

NOTES

- Inset panel S16 or S19 only in combination with full extension slide S16/S19 (see page 34 and 38)
- Inset panel S18 only in combination with full extension slide S18 (see page 36 and 40)

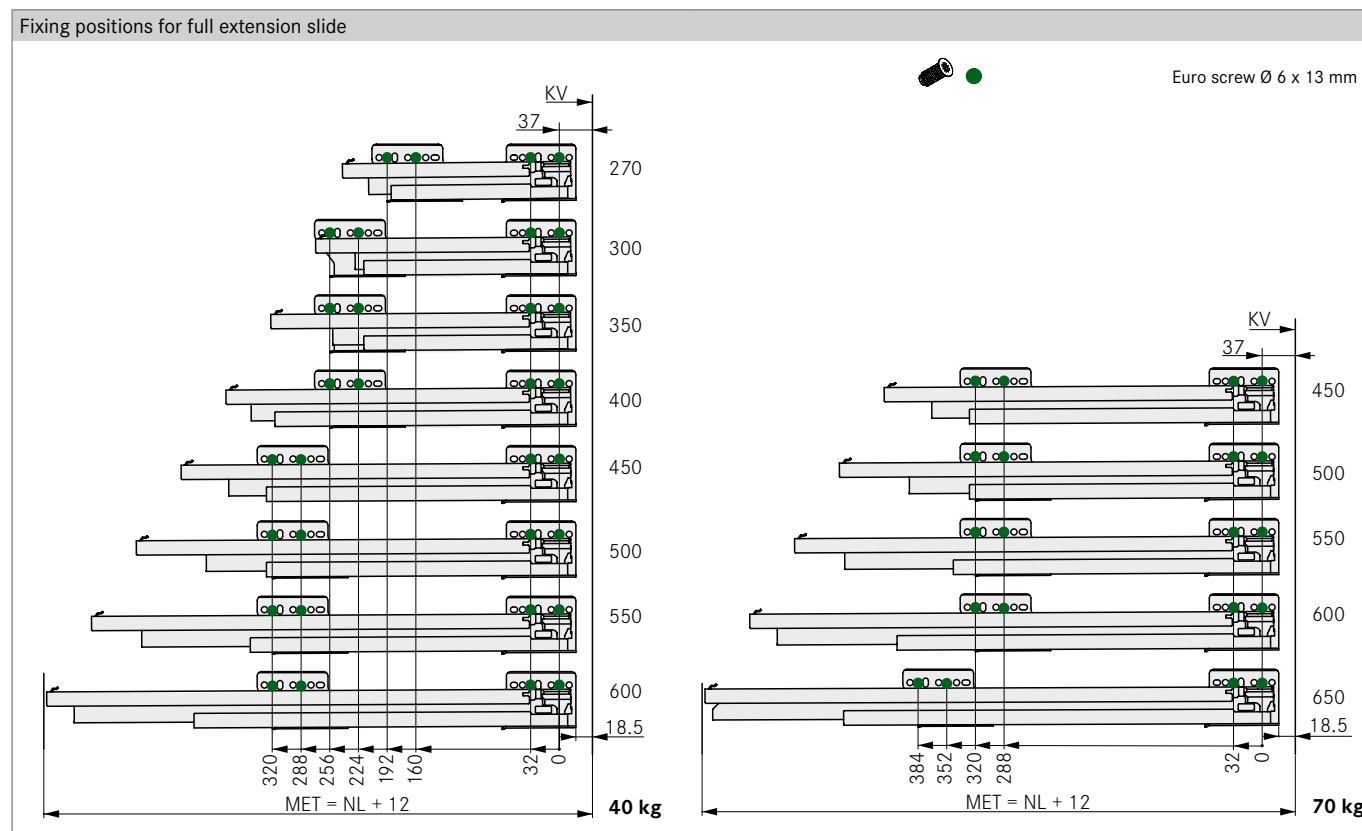
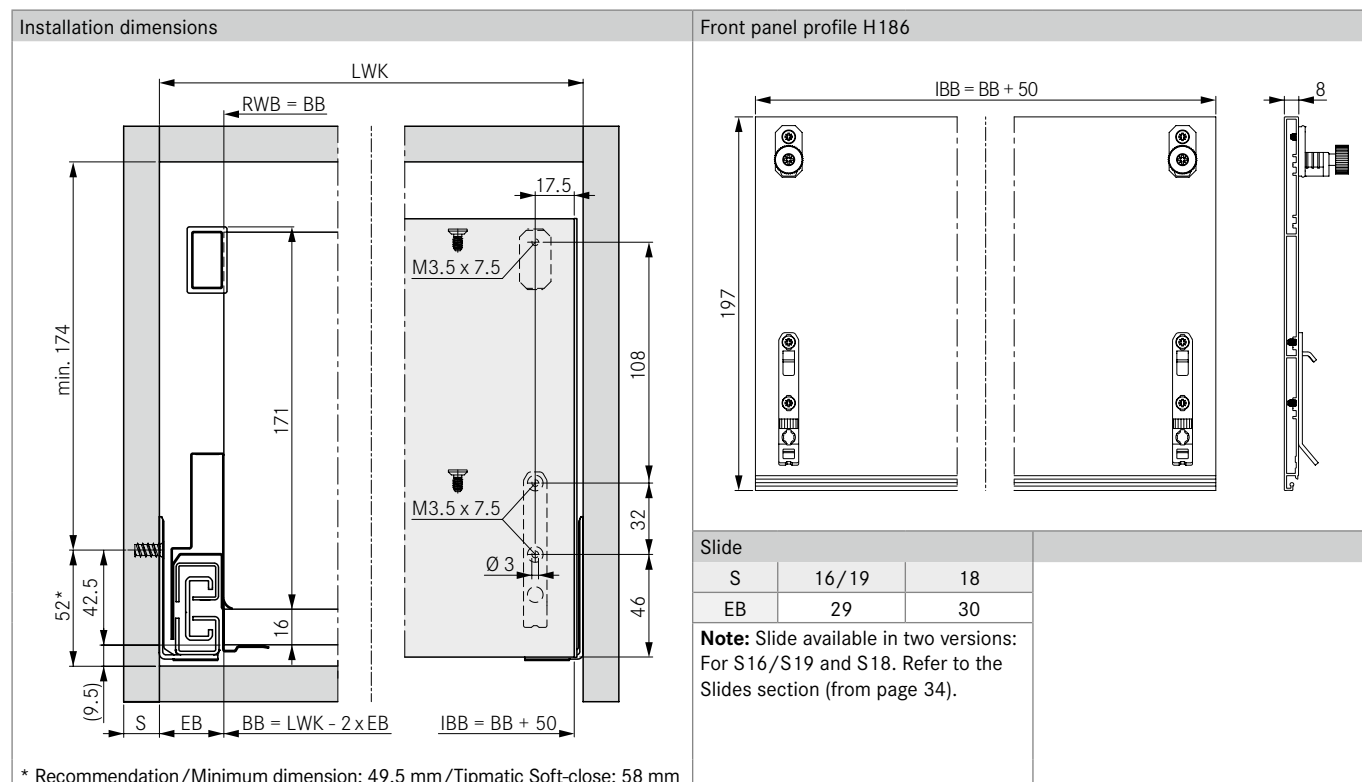


PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Individual components	48	Accessories	66	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

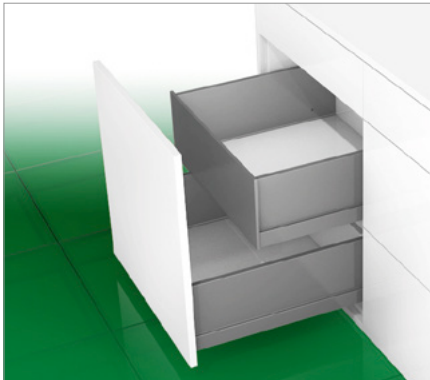
BB Bottom panel width
EB Construction width
IBB Inset panel width
KB Cabinet width

KV Front edge of cabinet
LWK Inside cabinet width
MET Minimum installation depth
NL Nominal length

RWB Width of back panel
S Cabinet side wall

NOVA PRO SCALA

F8 inset panel for inset drawer H186, Crystal and Crystal Plus



- Colour-coordinated aluminium front panel profile
- High-quality design with smooth inside and outside surfaces
- Same dimensions as for standard drawers (inside depth)
- Also for cutting to length (see page 48)

Packaging unit (PU):

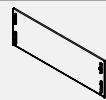
207 = 10 items in a cardboard box

Note:

Front-bottom connector recommended from width 600 mm (refer to Accessories)

ORDER INFORMATION

- 1** F8 inset panel for inset drawer H186, Crystal and Crystal Plus, S16 and S18/S19
Set: Inset panel with pre-assembled installation hook, front clips and cover caps



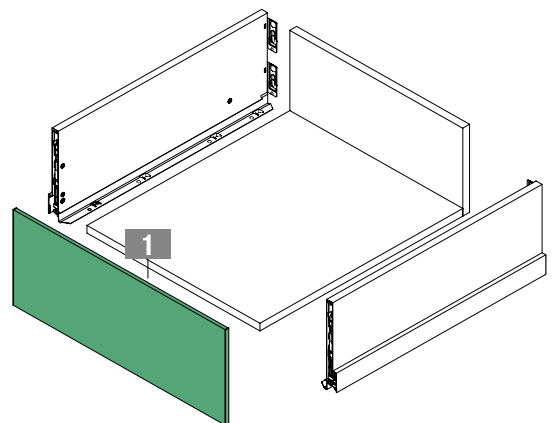
S16*	Stone				Ice				Silver							
KB	Art.-no.	207			Art.-no.	207			Art.-no.	207						
250	F102104984	207			F102104999	207			F102105014	207						
300	F102104986	207			F102105001	207			F102105016	207						
350	F102104987	207			F102105002	207			F102105017	207						
400	F102104988	207			F102105003	207			F102105018	207						
450	F102104989	207			F102105004	207			F102105019	207						
500	F102104990	207			F102105005	207			F102105020	207						
600	F102104992	207			F102105007	207			F102105022	207						
800	F102104994	207			F102105009	207			F102105024	207						
900	F102104995	207			F102105010	207			F102105025	207						
1000	F102104996	207			F102105011	207			F102105026	207						
1200	F102104998	207			F102105013	207			F102105028	207						

S18/S19*	Stone				Ice				Silver							
KB	Art.-no.	207			Art.-no.	207			Art.-no.	207						
250	F102105221	207			F102105236	207			F102105251	207						
300	F102105223	207			F102105238	207			F102105253	207						
350	F102105224	207			F102105239	207			F102105254	207						
400	F102105225	207			F102105240	207			F102105255	207						
450	F102105226	207			F102105241	207			F102105256	207						
500	F102105227	207			F102105242	207			F102105257	207						
600	F102105229	207			F102105244	207			F102105259	207						
800	F102105231	207			F102105246	207			F102105261	207						
900	F102105232	207			F102105247	207			F102105262	207						
1000	F102105233	207			F102105248	207			F102105263	207						
1200	F102105235	207			F102105250	207			F102105265	207						

* upon request

NOTES

- Inset panel S16 or S19 only in combination with full extension slide S16/S19 (see page 34 and 38)
- Inset panel S18 only in combination with full extension slide S18 (see page 36 and 40)

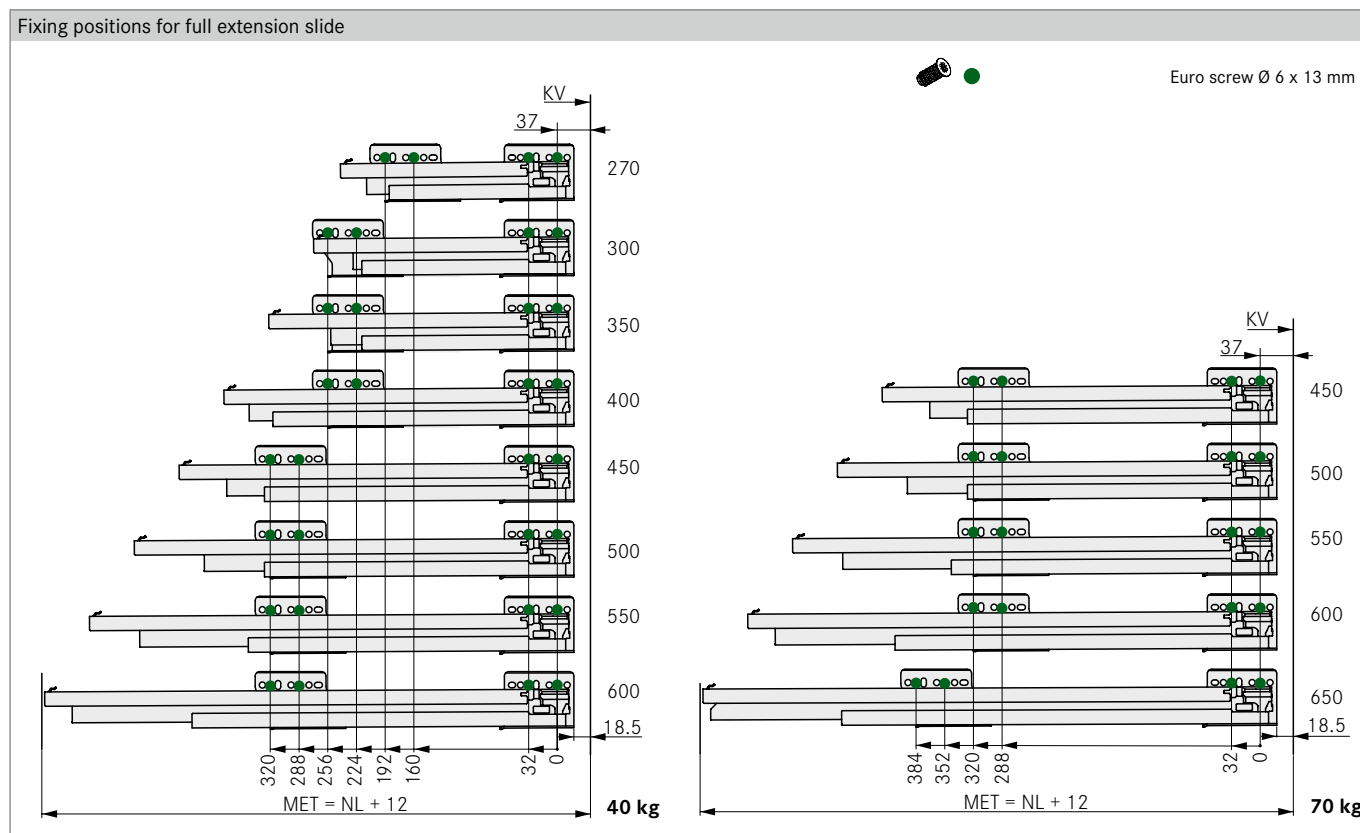
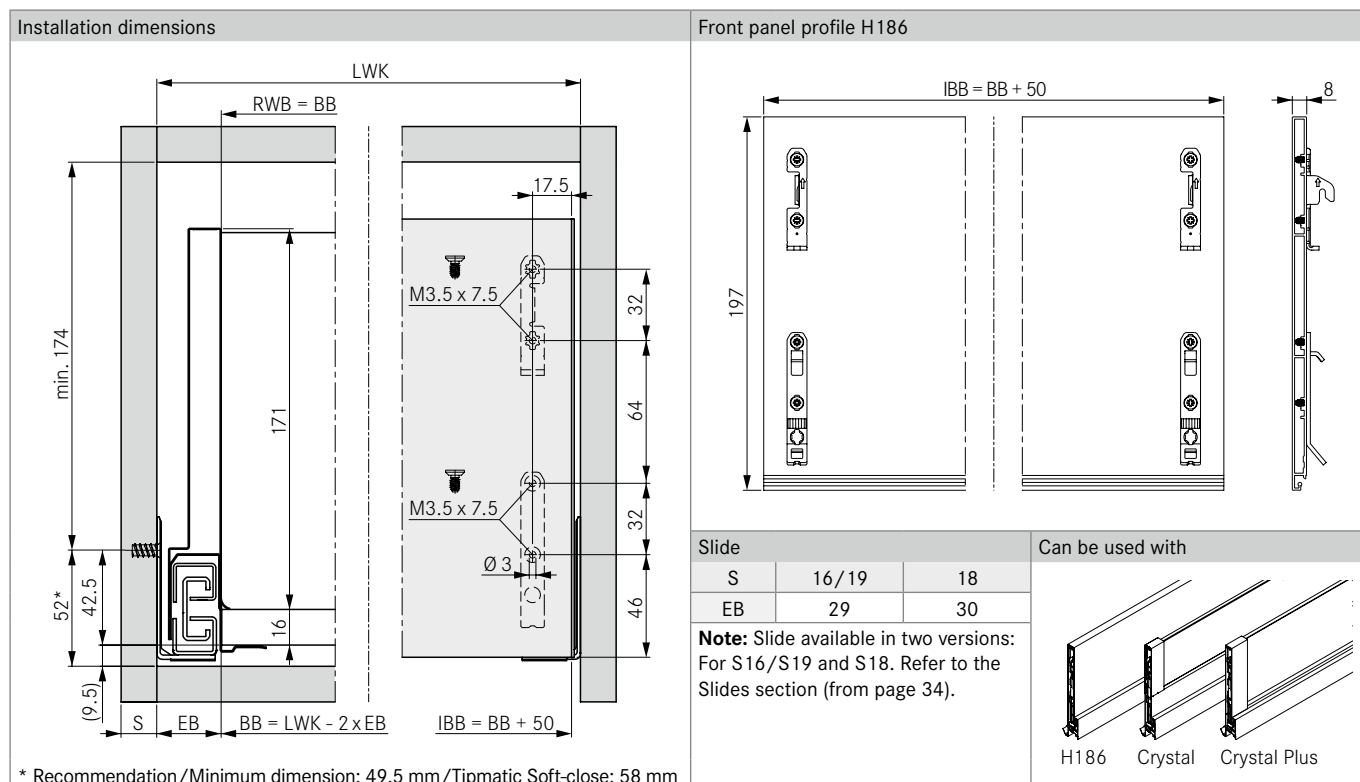


PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Individual components	48	Accessories	66	Assembly technology	116

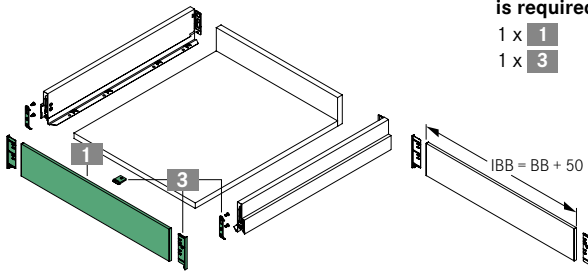
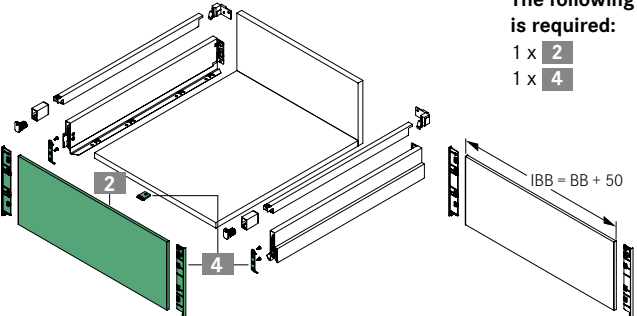
PLANNING DIMENSIONS

All dimensions in millimetres



NOVA PRO SCALA

F8 inset panel for cutting to length – set pack

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

ORDER INFORMATION

1

F8 inset panel for inset drawer H90

Single item: for cutting to length incl. cardboard drilling template

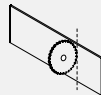


L	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
1160	F102101371	511		F102105357	511		F102105069	511				

2

F8 inset panel for inset drawer H186, rectangular railing, Crystal and Crystal Plus

Single item: for cutting to length incl. cardboard drilling template



L	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
1160	F102101379	507		F102105358	507		F102105070	507				

3

Accessories F8 inset panel for inset drawer H90

Set: F8 cover cap (2x), installation hook (2x), special screws (4x) and front-bottom connector (2x)



H	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
H90	F102109510	517		F102109511	517		F102109512	517				

4

Accessories F8 inset panel for inset drawer H90 with rectangular railing

Set: F8 cover cap (2x), installation hook (2x), special screws (6x) and front-bottom connector (2x)

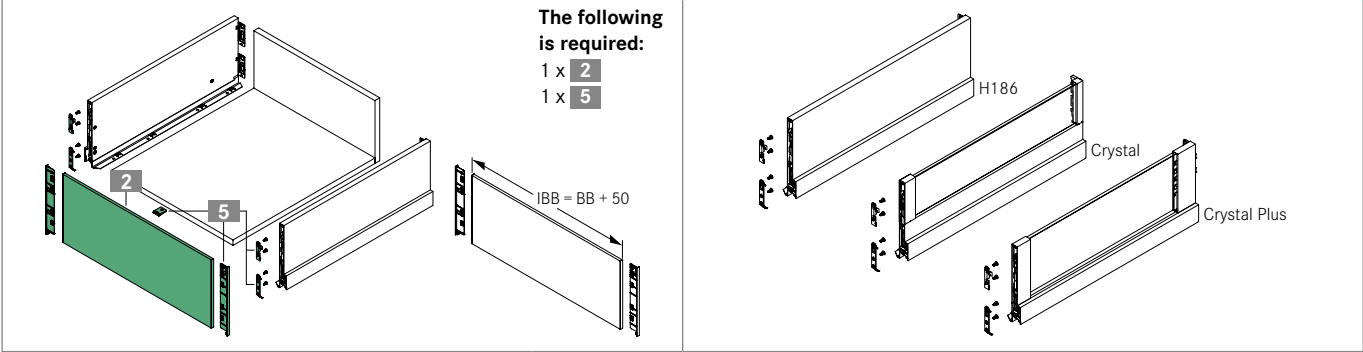


H	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
H186	F102109516	517		F102109517	517		F102109518	517				

PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Inset panel set	42	Accessories	66	Assembly technology	116

F8 inset panel for inset drawer H186, Crystal and Crystal Plus



5 Accessories F8 inset panel for inset drawer H186, Crystal and Crystal Plus
Set: F8 cover cap (2x), installation hook (2x), front clip (2x),
special screws (8x) and front-bottom connector (2x)



H	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
H186	F102109513	517			F102109514	517			F102109515	517						

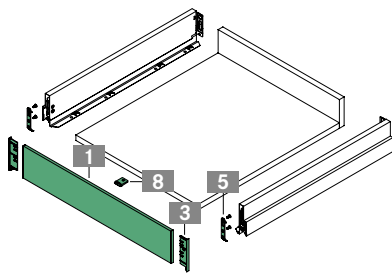
LEGEND

H	Height
L	Length

NOVA PRO SCALA

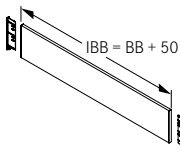
F8 inset panel for cutting to length

F8 inset panel for inset drawer H90

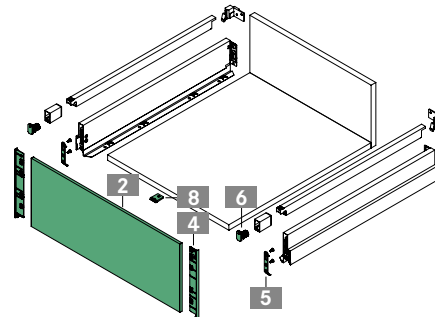


The following is required:

- 1 x 1
- 2 x 3
- 2 x 5

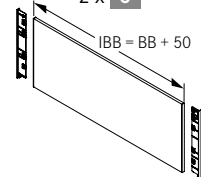


F8 inset panel for inset drawer H90 with rectangular railing



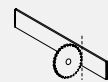
The following is required:

- 1 x 2
- 2 x 4
- 2 x 5
- 2 x 6



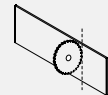
ORDER INFORMATION

- 1** F8 inset panel for inset drawer H90
Single item: For cutting to length



L	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
1160	F102101371	211		F102105357	211		F102105069	211				

- 2** F8 inset panel for inset drawer H186, rectangular railing, Crystal and Crystal Plus
Single item: For cutting to length



L	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
1160	F102101379	207		F102105358	207		F102105070	207				

- 3** Cover cap for F8 inset panel H90
Single item: Can be used on left/right



H	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
H90	F102101384	218		F102105359	218		F102109572	218				

- 4** Cover cap for F8 inset panel H186
Single item: Can be used on left/right



H	Stone			Ice			Silver					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
H186	F102101451	214		F102105360	214		F102109573	214				

- 5** Installation hook
Single item: Incl. screws
Can be used on left/right



- 6** Railing bracket
Single item: Incl. screws
Can be used on left/right

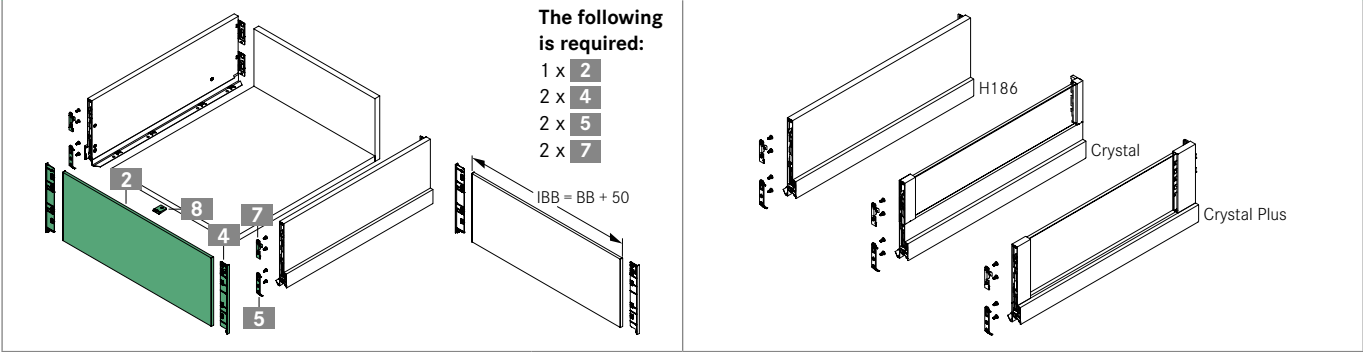


Description			Art.-no.	PU	Description			Art.-no.	PU
For screw fixing			F102101584	223	For screw fixing			F102102863	223

PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
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Inset panel set	42	Accessories	66	Assembly technology	116

F8 inset panel for inset drawer H186, Crystal and Crystal Plus



7	Front clip Single item: Incl. screws Can be used on left/right				8	Front-bottom connector (optional) Item			
									
Description		Art.-no.	PU		Description		Art.-no.	PU	
For screw fixing		F102102864	223		Recommended from KB 600 mm		F145117993	223	

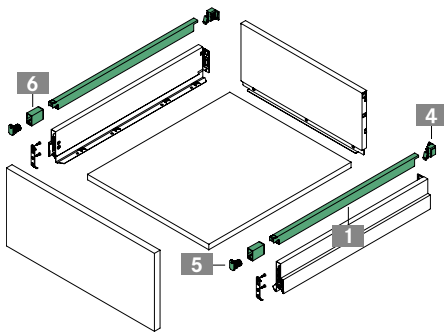
LEGEND

H	Height
KB	Cabinet width
L	Length

NOVA PRO SCALA

Rectangular railing

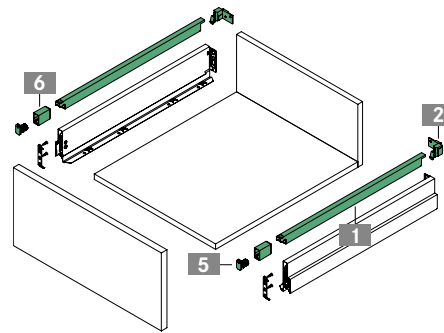
Rectangular railing for drawer with steel back panel



The following is required:

- 2 x 1
- 1 x 4 (l)
- 1 x 4 (r)
- 2 x 5
- 2 x 6

Rectangular railing for drawer with wooden back panel, screw-on



The following is required:

- 2 x 1
- 1 x 2 (l)
- 1 x 2 (r)
- 2 x 5
- 2 x 6

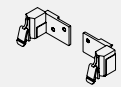
ORDER INFORMATION

1 Rectangular railing Single item: Can be used on left/right



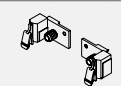
NL	Stone			Ice			Silver						
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
270	F102104621	223		F102104630	223		F102104639	223					
300	F102104622	223		F102104631	223		F102104640	223					
350	F102104623	223		F102104632	223		F102104641	223					
400	F102104624	223		F102104633	223		F102104642	223					
450	F102104625	223		F102104634	223		F102104643	223					
500	F102104626	223		F102104635	223		F102104644	223					
550	F102104627	217		F102104636	217		F102104645	217					
600	F102104628	217		F102104637	217		F102104646	217					
650	F102104629	217		F102104638	217		F102104647	217					

2 Railing clip for wooden back panel, screw-on Single item: left/right



	Stone			Ice			Silver						
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
Left	F102104670	223		F102104681	223		F102104692	223					
Right	F102104671	223		F102104682	223		F102104693	223					

3 Railing clip for wooden back panel for press fitting Single item: left/right



	Stone			Ice			Silver						
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
Left	F102130603	223		F102130605	223		F102130607	223					
Right	F102130604	223		F102130606	223		F102130608	223					

4 Railing clip for steel back panel, clip-in Single item: left/right

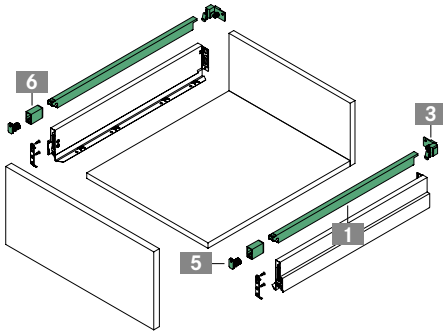


	Stone			Ice			Silver						
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
Left	F102104674	223		F102104685	223		F102104696	223					
Right	F102104675	223		F102104686	223		F102104697	223					

PAGE REFERENCES

Drawer sides	13	Inset panels	42	Technical information	74
Rectangular railing set	26	Steel back panels	58	Sensomatic	81
Slides	34	Accessories	66	Organising systems	103

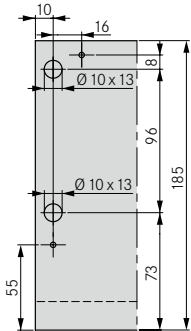
Rectangular railing for drawer with wooden back panel for press fitting



The following
is required:

2 x	1
1 x	3 (l)
1 x	3 (r)
2 x	5
2 x	6

Installation dimensions for wooden back panel for press fitting



5 Railing clip (front) with tilt angle adjustment, screw-on or for press fitting
Single item: Can be used on left/right



For screw fixing				For press fitting							
Art.-no.	PU			Art.-no.	PU						
F102104668	133			F102104669	133						

6 Railing cover cap
Single item: Can be used on left/right



Stone				Ice				Silver			
Art.-no.	PU			Art.-no.	PU			Art.-no.	PU		
F102104676	233			F102104687	233			F102104698	233		

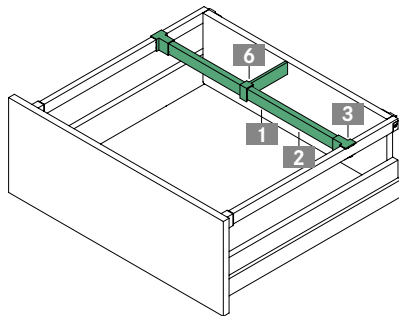
LEGEND

KB	Cabinet width
L	Length
NL	Nominal length
S	Cabinet side wall

NOVA PRO SCALA

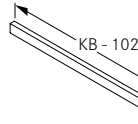
Cross and longitudinal divider

Cross and longitudinal divider for rectangular railing

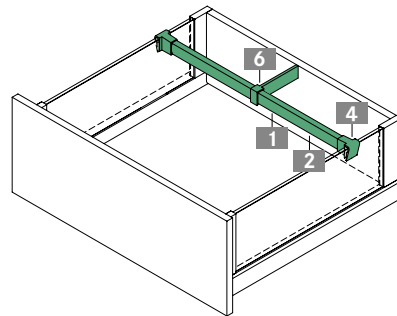


The following is required:

- 1 x **1** / **2**
- 2 x **3**
- 1 x **6**

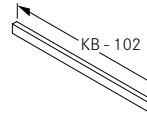


Cross and longitudinal divider for Crystal and Crystal Plus



The following is required:

- 1 x **1** / **2**
- 2 x **4**
- 1 x **6**



ORDER INFORMATION

1 Cross rail, steel, for KB 250 – 1200 (S16/S18/S19)

Single item: only in combination with divider railing clip **3** / **4**



KB	Stone			Ice			Silver						
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
250*	F102103796		223	F102103817		223	F102103838		223				
300	F102103798		223	F102103819		223	F102103840		223				
350*	F102103799		223	F102103820		223	F102103841		223				
400	F102103800		223	F102103821		223	F102103842		223				
450	F102103801		223	F102103822		223	F102103843		223				
500	F102103802		223	F102103823		223	F102103844		223				
600	F102103804	217		F102103825	217		F102103846	217					
800	F102103808	217		F102103829	217		F102103850	217					
900	F102103810	217		F102103831	217		F102103852	217					
1000	F102103812	217		F102103833	217		F102103854	217					
1200	F102103816	217		F102103837	217		F102103858	217					

* upon request

2 Cross rail, aluminium

Single item: for cutting to length



L	Stone			Ice			Silver						
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
1150	F102108653	207		F102108654	207		F102108655	207					

3 Divider railing clip for rectangular railing

Single item: can be used on left/right



	Stone			Ice			Silver						
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
	F102104677	233		F102104688	233		F102104699	233					

4 Divider railing clip for Crystal and Crystal Plus

Single item: can be used on left/right

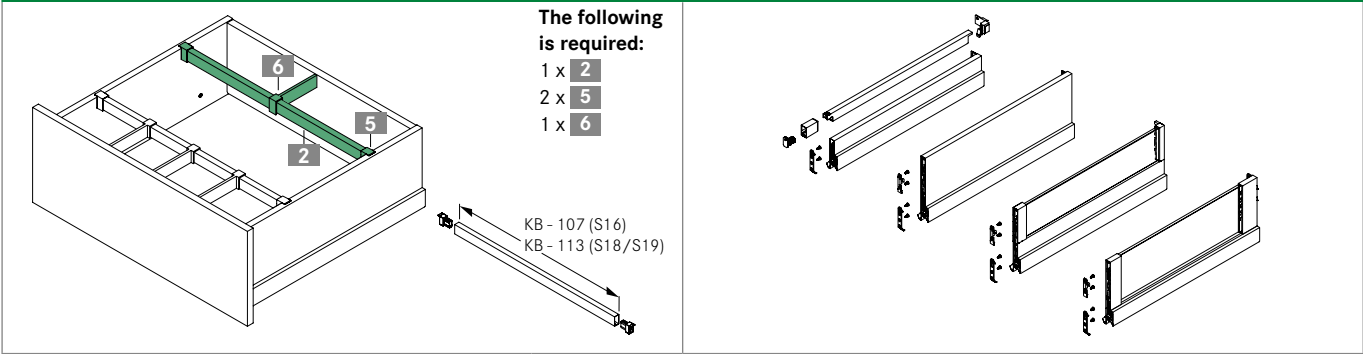


	Stone			Ice			Silver						
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
	F102104678	233		F102104689	233		F102104700	233					

PAGE REFERENCES

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Rectangular railing set	26	Inset panels	42	Technical information	74
Rectangular railing	52	Steel back panels	58	SENSOMATIC	81

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



5 Universal divider railing clip Single item: can be used on left, right, only in combination with aluminium cross rail 2													
Stone				Ice				Silver					
Art.-no.		PU		Art.-no.		PU		Art.-no.		PU			
F102108835		233		F102108834		233		F102108836		233			

6 Longitudinal divider for cross rail Single item																
L	Stone				Ice				Silver							
	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU					
100	F102109962		233		F102109963		233		F102109964		233					

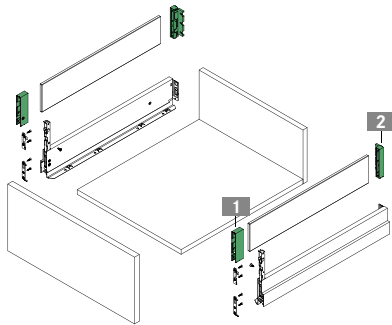
LEGEND

KB	Cabinet width
L	Length
S	Cabinet side wall

NOVA PRO SCALA CRYSTAL

Clip for slide-in elements

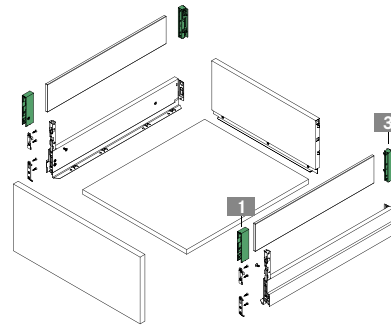
Clip for Crystal drawer with wooden back panel



The following is required:

1 x 1 (l)
1 x 1 (r)
1 x 2 (l)
1 x 2 (r)

Clip for Crystal drawer with steel back panel



The following is required:

1 x 1 (l)
1 x 1 (r)
1 x 3 (l)
1 x 3 (r)

ORDER INFORMATION

1 Glass clip (front), clip-in
Single item: left/right



	Stone				Ice				Silver							
	Art.-no.	223	PU		Art.-no.	223	PU		Art.-no.	223	PU					
Left	F102104837	223			F102104844	223			F102104851	223						
Right	F102104838	223			F102104845	223			F102104852	223						

2 Glass clip for wooden back panel, screw-on
Single item: left/right



	Stone				Ice				Silver							
	Art.-no.	223	PU		Art.-no.	223	PU		Art.-no.	223	PU					
Left	F102104839	223			F102104846	223			F102104853	223						
Right	F102104840	223			F102104847	223			F102104854	223						

3 Glass clip for steel back panel, clip-in
Single item: left/right



	Stone				Ice				Silver							
	Art.-no.	223	PU		Art.-no.	223	PU		Art.-no.	223	PU					
Left	F102104841	223			F102104848	223			F102104855	223						
Right	F102104842	223			F102104849	223			F102104856	223						

PAGE REFERENCES

Crystal drawer sides	30	Steel back panels	58	Sensomatic	81
Slides	34	Accessories	66	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116

LEGEND

NOVA PRO SCALA

Steel back panels

Packaging unit (PU):

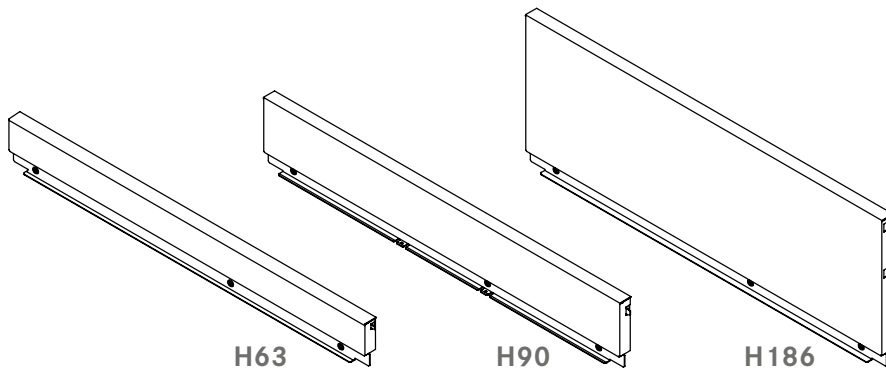
207 = 10 items in a cardboard box

211 = 20 items in a cardboard box

216 = 40 items in a cardboard box

Notes:

- Steel back panel S16 or S19 only in combination with full extension slide S16/S19 (see page 34 and 38)
- Steel back panel S18 only in combination with full extension slide S18 (see page 36 and 40)



ORDER INFORMATION

1 Steel back panel S16									
H63*	Stone			Ice			Silver		
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU	
600	F102103909	216		F102103924	216		F102109687	216	
800	F102103911	216		F102103926	216		F102109688	216	
900	F102103912	211		F102103927	211		F102109689	211	
1000	F102103913	211		F102103928	211		F102109690	211	
1200	F102103915	211		F102103930	211		F102109691	211	
H90*	Stone			Ice			Silver		
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU	
300	F102103963	216		F102103978	216		F102109692	216	
400	F102103965	216		F102103980	216		F102109693	216	
450	F102103966	216		F102103981	216		F102109694	216	
500	F102103967	216		F102103982	216		F102109695	216	
600	F102103969	216		F102103984	216		F102109697	216	
800	F102103971	211		F102103986	211		F102109699	211	
900	F102103972	211		F102103987	211		F102109700	211	
1000	F102103973	211		F102103988	211		F102109701	211	
1200	F102103975	211		F102103990	211		F102109702	211	
H186*	Stone			Ice			Silver		
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU	
300	F102104083	211		F102104098	211		F102109703	211	
400	F102104085	211		F102104100	211		F102109704	211	
450	F102104086	211		F102104101	211		F102109705	211	
500	F102104087	211		F102104102	211		F102109706	211	
600	F102104089	211		F102104104	211		F102109708	211	
800	F102104091	207		F102104106	207		F102109710	207	
900	F102104092	207		F102104107	207		F102109711	207	
1000	F102104093	207		F102104108	207		F102109712	207	
1200	F102104095	207		F102104110	207		F102109713	207	

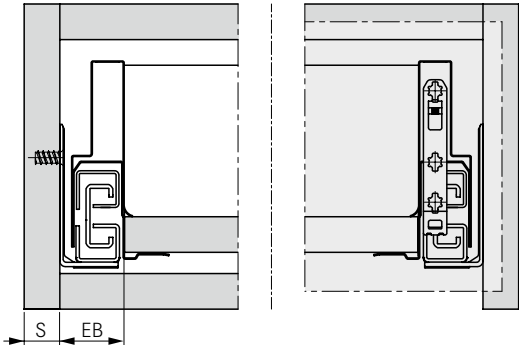
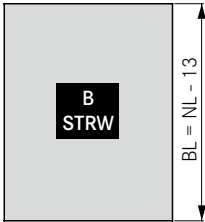
* upon request

PAGE REFERENCES

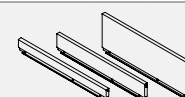
Drawer sides	13	Designer panels	64	Sensomatic	81
Slides	34	Accessories	66	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres

Slide installation dimensions		Cutting the bottom panel to size										
		 Note: Please note that with steel back panels the bottom panel must be cut to a size which is 6 mm longer than when using wooden back panels. Please refer to the diagram opposite.										
		<table><tr><th colspan="3">Slide</th></tr><tr><td>S</td><td>16/19</td><td>18</td></tr><tr><td>EB</td><td>29</td><td>30</td></tr></table> Note: Slide available in two versions: For S16/S19 and S18. Refer to the Slides section (from page 34).		Slide			S	16/19	18	EB	29	30
Slide												
S	16/19	18										
EB	29	30										

2 Steel back panel S18/S19



H63*	Stone			Ice			Silver					
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
600	F102104389	216		F102104404	216		F102104419	216				
800	F102104391	216		F102104406	216		F102104421	216				
900	F102104392	211		F102104407	211		F102104422	211				
1000	F102104393	211		F102104408	211		F102104423	211				
1200	F102104395	211		F102104410	211		F102104425	211				

H90*	Stone			Ice			Silver					
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
300	F102104443	216		F102104458	216		F102104473	216				
400	F102104445	216		F102104460	216		F102104475	216				
450	F102104446	216		F102104461	216		F102104476	216				
500	F102104447	216		F102104462	216		F102104477	216				
600	F102104449	216		F102104464	216		F102104479	216				
800	F102104451	211		F102104466	211		F102104481	211				
900	F102104452	211		F102104467	211		F102104482	211				
1000	F102104453	211		F102104468	211		F102104483	211				
1200	F102104455	211		F102104470	211		F102104485	211				

H186*	Stone			Ice			Silver					
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
300	F102104563	211		F102104578	211		F102104593	211				
400	F102104565	211		F102104580	211		F102104595	211				
450	F102104566	211		F102104581	211		F102104596	211				
500	F102104567	211		F102104582	211		F102104597	211				
600	F102104569	211		F102104584	211		F102104599	211				
800	F102104571	207		F102104586	207		F102104601	207				
900	F102104572	207		F102104587	207		F102104602	207				
1000	F102104573	207		F102104588	207		F102104603	207				
1200	F102104575	207		F102104590	207		F102104605	207				

* upon request

LEGEND

B	Bottom panel	NL	Nominal length
BL	Bottom panel length	S	Cabinet side wall
EB	Construction width	STRW	Steel back panel
KB	Cabinet width		

NOVA PRO SCALA

Steel back panels

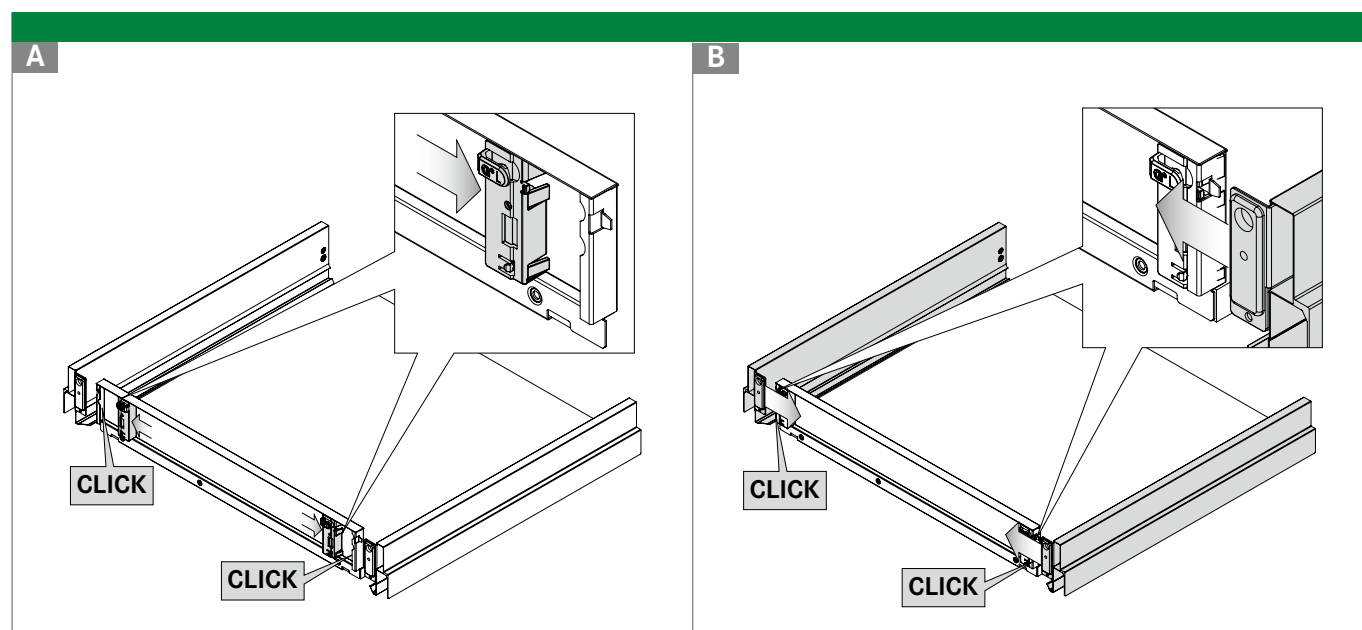
STEEL BACK PANEL CLIP H90

		Description	Art.-no.	PU
• Tool-free connection of drawer side and steel back panel using assembly clip • The clip can be used with Nova Pro Scala drawer sides H90, H90 with rectangular railing and H122		Set	F102109633	507
		Left	F102109442	523
		Right	F102109443	523

STEEL BACK PANEL CLIP H186

		Description	Art.-no.	PU
• Tool-free connection of drawer side and steel back panel using assembly clip • The clip can be used with Nova Pro Scala drawers H186, Crystal and Crystal Plus		Set	F102109634	507
		Left	F102109444	523
		Right	F102109445	523

STEEL BACK PANEL CLIP, ASSEMBLY



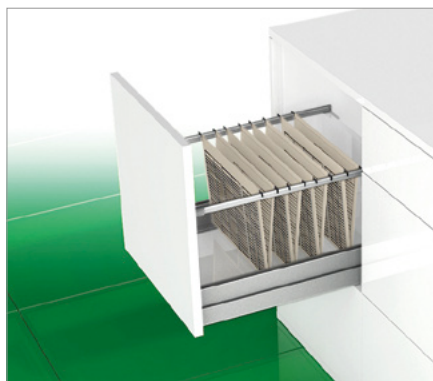
PAGE REFERENCES

Drawer sides	13	Designer panels	64	Sensomatic	81
Slides	34	Accessories	66	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116

LEGEND

NOVA PRO SCALA

Oval railing for suspension file drawer



- For use with Nova Pro Scala drawer sides H90
- Oval, anodised aluminium tube with a high bending resistance and scratch-proof surface
- Stable construction and high load capacity due to the secure screw connection on the front panel and back panel
- Tool-free tilt-angle adjustment with the oval railing

Packaging unit (PU):

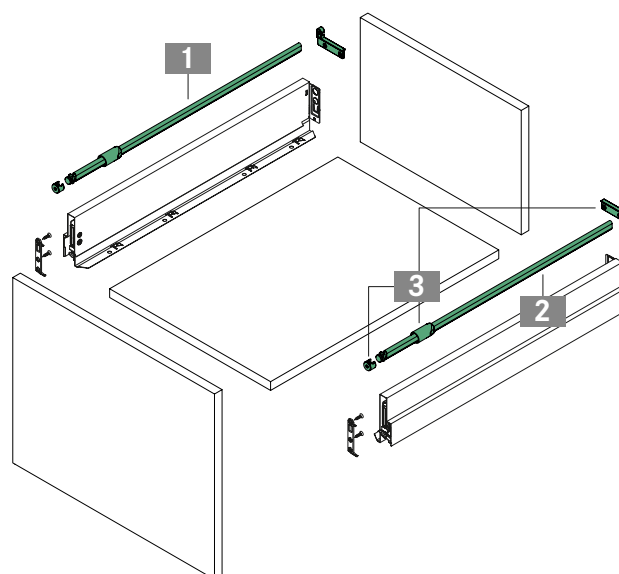
507 = 10 units in PE in a cardboard box

ORDER INFORMATION

1 Oval railing, screw-on, for wooden back panel Set: Oval railing with adjustment screw, cover cap (Stone), railing clip (front) and back panel clip (nickel-plated) one left, one right																			
NL	Anodised aluminium																		
	Art.-no.		PU																
500	F102131354		507																

2 Oval railing with adjustment screw Single item: For cutting to length																			
NL	Anodised aluminium																		
	Art.-no.		PU																
350-550	F102131356		507																

3 Accessories for oval railing, screw-on, for wooden back panel Set: Cover cap, railing clip (front) and back panel clip (nickel-plated) one left, one right																			
	Stone																		
	Art.-no.		PU																
	F102131355		507																

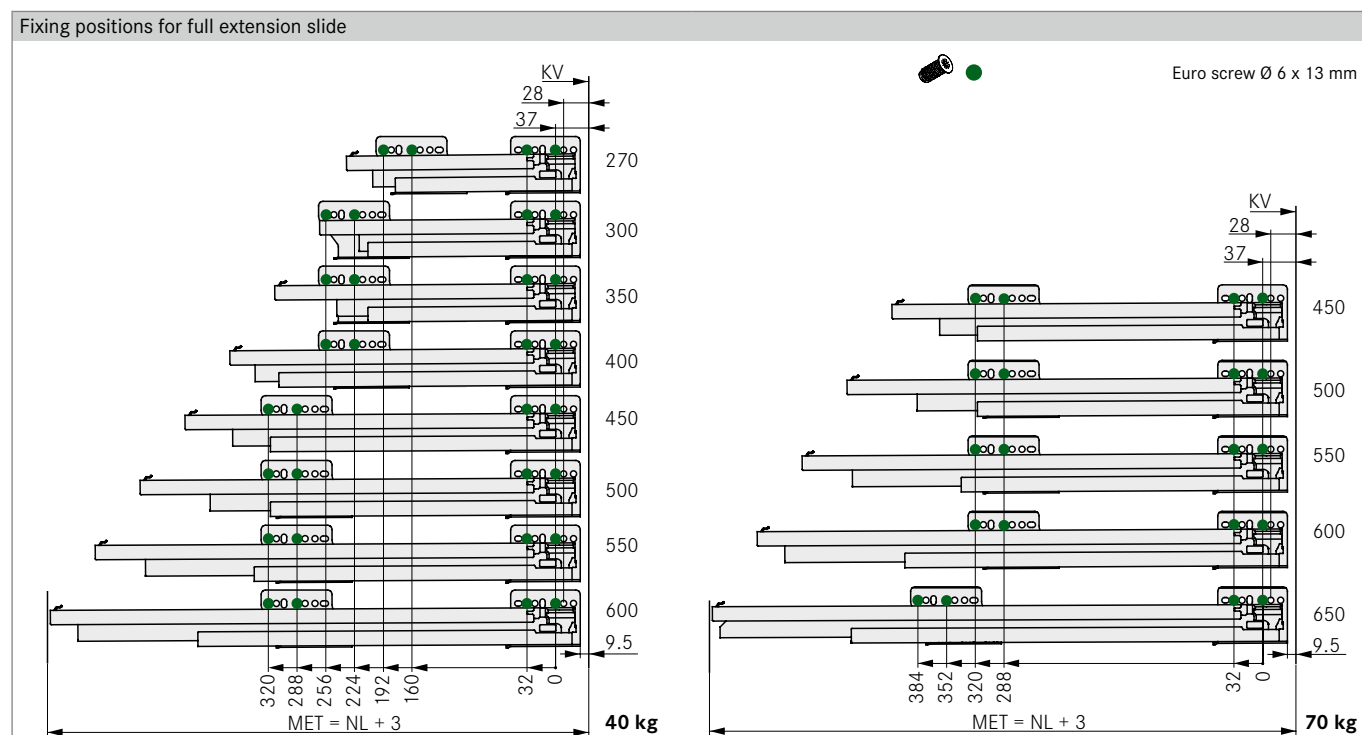
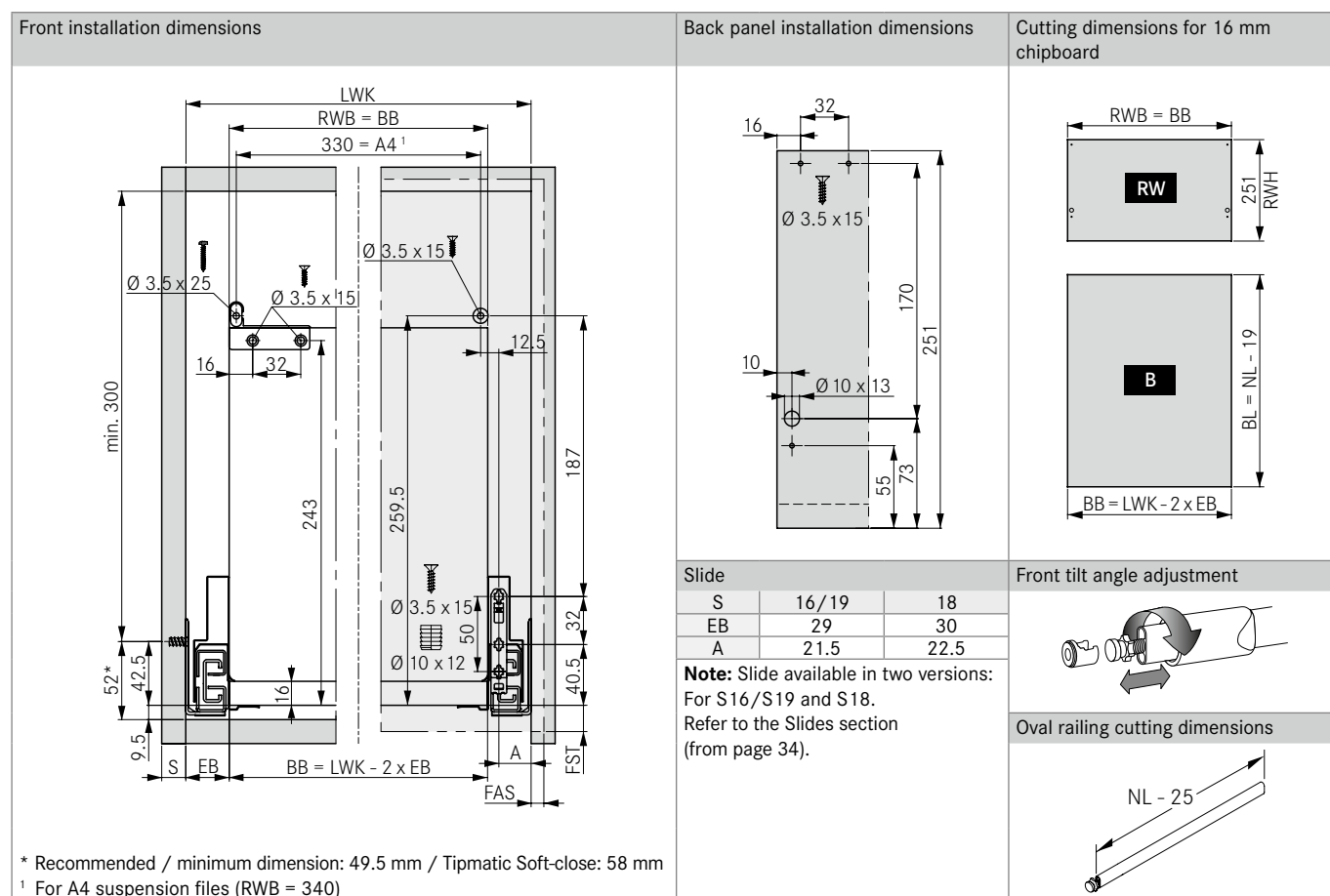


PAGE REFERENCES

Drawer side H90	18	Rectangular railing	52	Accessories	66
Slides	34	Steel back panels	58	Technical information	74
Inset panels	42	Designer panels	64	Sensomatic	81

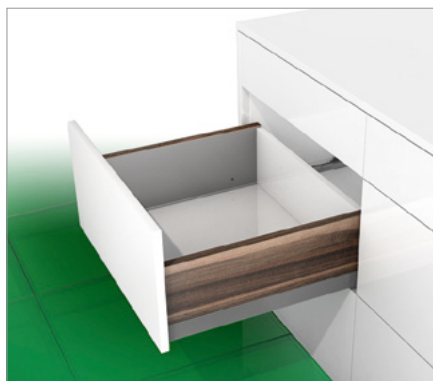
PLANNING DIMENSIONS

All dimensions in millimetres



NOVA PRO SCALA

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

Packaging unit (PU):

501 = 1 items in PE in a cardboard box

Note:

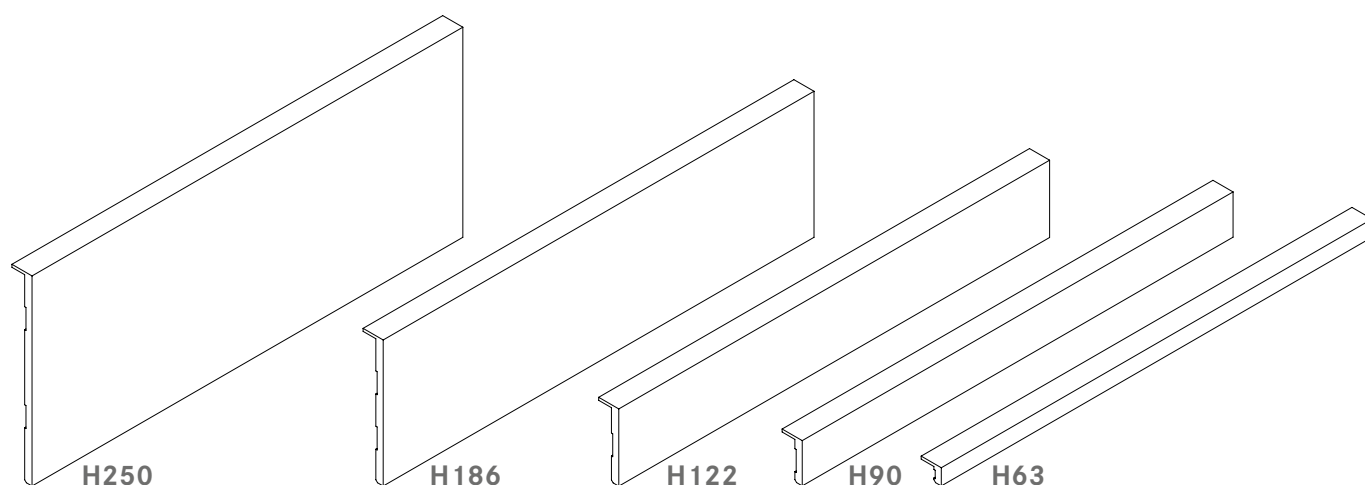
- Designer panels are not available from GRASS

ORDER INFORMATION

Magnetic tape, adhesive			
Description	Art.-no.	PU	
Roll 20 x 1.5 mm, 40 m	F102108509	501	

NOTE

For designer panel H63 the magnetic tape must be halved to 10 x 1.5 mm.



PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Accessories	66	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116

PLANNING DIMENSIONS

All dimensions in millimetres

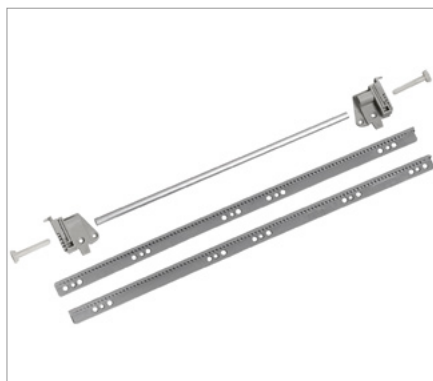
Designer panel cutting dimensions	Installation dimensions designer panels for H90	Installation dimensions designer panels for H122
Installation dimensions designer panels for H186	Installation dimensions designer panels for H250	
Designer panel cutting dimensions	Design options	Magnetic tape

LEGEND

NL Nominal length

NOVA PRO SCALA

Accessories



- Maximum stability for extra-wide regular and pot drawers
- Maximum opening comfort and perfect running properties
- For drawer widths of up to 1500 mm

Packaging unit (PU):

123 = 100 items in PE
213 = 25 items in a cardboard box
507 = 10 items in PE in a cardboard box

Note:

- Cannot be used with designer panels for Nova Pro Scala

SIDE STABILISING DEVICE

1 Torsion bar Set: Torsion bar, pinion, support (left/right)					
KB	Art.-no.	PU			
900	F102066385	507	213		
1000	F102066386	507	213		
1100	F102066387	507	213		
1200	F102066388	507	213		
1500	F102066389	507	213		



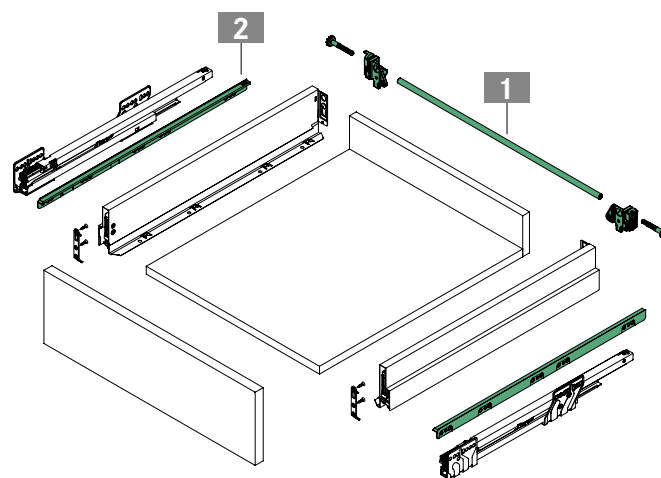
Note: For special cabinet outside width: Torsion bar KB - 100 mm

2 Gliding channel Set: One left, one right					
NL	Aluminium metallic	PU			
450	F102050864	507	213		
500	F102050865	507	213		
550	F102050866	507			
600	F102050867	507	213		
650	F102050868	507			



SHEET METAL SCREW

	Designation	Art.-no.	PU
	4.8 x 13 mm (when using a steel back panel)	F145050869	123



PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116

INSTALLATION INFORMATION

Gliding channel assembly		NL	LTK
	450	450	469
	500	500	519
	550	550	569
	600	600	619
	650	650	669

Side view	Front view	Rear view

Assembly of the side stabilising device	
	1 Positioning the left and right-hand support 2 Screwing on the support Depending on the back panel, use the following: Wooden back panel: Chipboard screws Ø 4 x 20 mm Steel back panel: Sheet metal screws Ø 4.8 x 13 mm 3 Insertion of the torsion bar and pushing in the pinion 4 Pushing the pinion into the locking position. Finished! NOTES Additional fixture Ø 4 x 15 mm possible with wooden back panel • Drawer widths 900 to 1500 mm • Slide lengths 450 to 600 mm • Cabinet sides 15 to 19 mm • Torsion rod length = cabinet outside width - 100 mm

LEGEND

EB	Construction width	NL	Nominal length
KB	Cabinet width	RW	Back panel
KV	Front edge of cabinet	S	Cabinet side wall
LTK	Inside cabinet depth	TSL	Torsion rod length

NOVA PRO SCALA

Accessories



- Sink back panel holder for Nova Pro Scala H90 with rectangular railing, H186, Crystal and Crystal Plus
- Easy and quick production of drawers with a trap cut-out with rectangular wooden back panel – no special cutting required
- Colour-coordinated with all Nova Pro Scala drawer sides

Packaging unit (PU):

217 = 50 units in a cardboard box

507 = 10 units in PE in a cardboard box

ORDER INFORMATION

1

Sink back panel holder H154 for H90 with rectangular railing
Single item: left/right



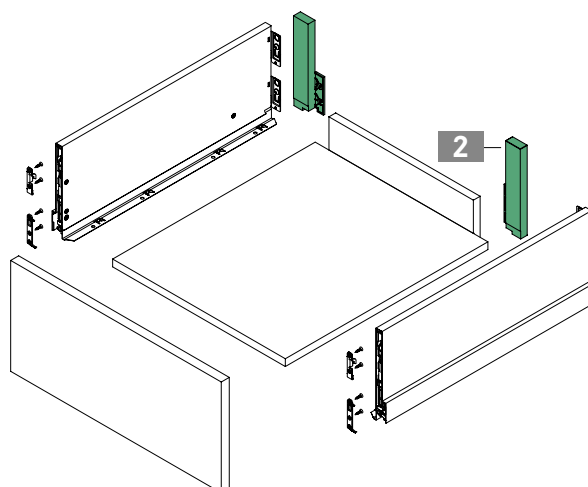
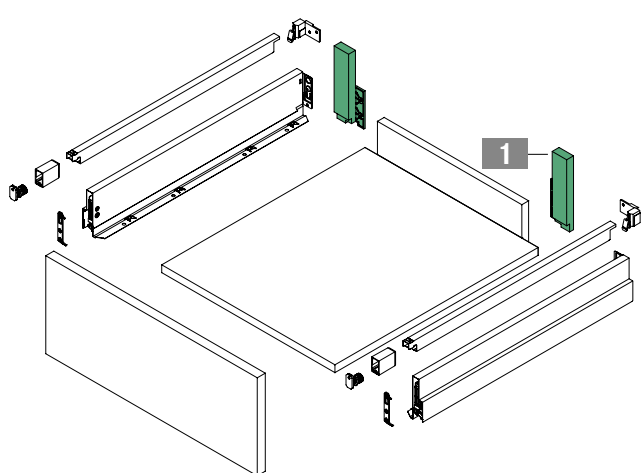
	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
Left	F102130601	217			F102131199	217			F102131201	217						
Right	F102130602	217			F102131200	217			F102131202	217						

2

Sink back panel holder H186 for H186, Crystal and Crystal Plus
Set: one left, one right
Single item: left/right



	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
Set	F102131004	507			F102131006	507			F102131005	507						
Left	F102105073	217			F102130685	217			F102109792	217						
Right	F102105074	217			F102130686	217			F102109793	217						

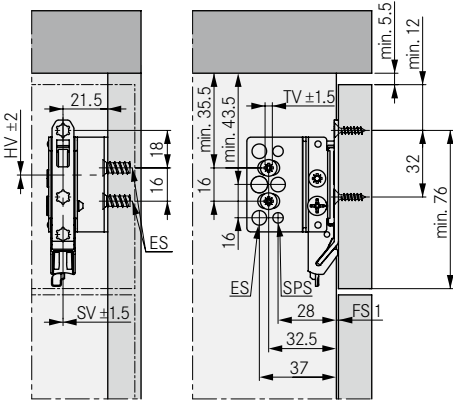


PAGE REFERENCES

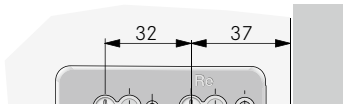
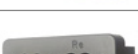
Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116

Accessories

BLIND PANEL SNAP-ON BRACKET

			Art.-no.	PU
• Tool-free installation and removal • Snap-on quick mounting and removal of the front • Worktop fitted: 5.5 mm min. • Later: 0 mm • Side adjustment ± 1.5 mm • Height adjustment ± 2 mm • Depth adjustment ± 1.5 mm Note: Supplied without installation hook			F102108430	217

NOVA PRO SPACER

- Thickness 25 mm - The hole pattern is suitable for Nova Pro and Nova Pro Scala - The spacer can be used on the left and the right - Colours White and Stone		Colour		Art.-no.	PU
			White	F102062616	211 223
			Stone	F102131359	211

CHILD LOCK

		Art.-no.	PU
• 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		F102108857	523

PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116

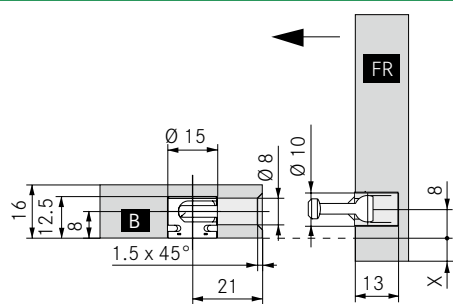
SPACER PLATE FOR NOVA PRO ADAPTER BRACKET

		Thickness	Art.-no.	PU
- Thickness 1/2/3 mm - The hole pattern is suitable for Nova Pro slides - The spacer can be used on the left and the right - Colour Light grey		1 mm	F102065440	117
		2 mm	F102065441	
		3 mm	F102065442	

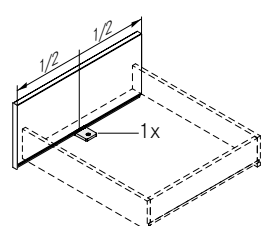
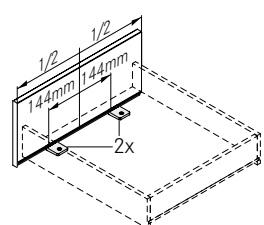
COVER CAP FOR NOVA PRO ADAPTER BRACKET

		Colour	Art.-no.	PU
- For covering the adapter bracket - Particularly suitable for Nova Pro Scala Crystal Plus		Stone	F102130854	233
		Ice	F102130959	
		Silver	F102130858	

FRONT-BOTTOM CONNECTOR

			Art.-no.	PU	
For wide drawers with a cabinet width of over 800 mm			F148026744	107	223

FRONT-BOTTOM CONNECTOR F8 INSET PANEL

			Art.-no.	PU
For wide drawers with a cabinet width of over 600 mm		KB = 600 - 800 mm 	F145117993	223
		KB = 800 - 1200 mm 		

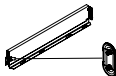
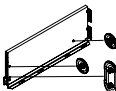
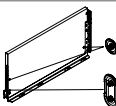
LEGEND

B	Bottom panel	HV	Height adjustment	TV	Depth adjustment
ES	Euro countersunk screw	KB	Cabinet width		
FR	Front	SPS	Chipboard screw		
FS	Front gap	SV	Side adjustment		

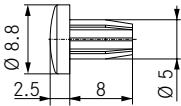
NOVA PRO SCALA

Accessories

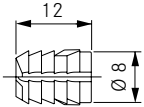
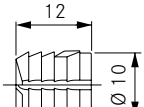
COVER CAP FOR ADJUSTMENT SCREWS

	Contents	Colour	Art.-no.	PU
Cover cap set for use with Nova Pro Scala H90		Stone	F102109522	547
		Ice	F102109523	
		Silver	F102131371	
Cover cap set for use with Nova Pro Scala H122, H186 and Crystal		Stone	F102131373	
		Ice	F102131374	
		Silver	F102131375	
Cover cap set for use with Nova Pro Scala H250 and Crystal Plus		Stone	F102131378	
		Ice	F102131379	
		Silver	F102131380	

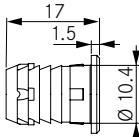
FRONT BUFFER

		Art.-no.	PU
Gentle closing of the door against the cabinet		F071044351	147

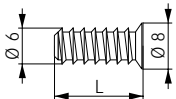
DOWEL

		Art.-no.	PU	
Ø 8 x 12 mm		F071004885	123	247
Ø 10 x 12 mm		F071005853	123	261

PRESS-FIT DOWEL

		Art.-no.	PU
- Press-fit dowel drawer side back panel clip for wooden back panel - Ø 10.4 x 17 mm		F102021154	247

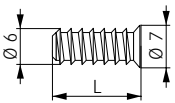
EURO SCREWS

		Art.-no.	PU	
Steel, nickel-plated, for screwing into pre-drilled hole system Ø 5 mm (cross head screwdriver Pozidriv no. 2)		L = 8.5	F145089301	123
		L = 11.5	F145083544	123
		L = 13	F145083545	123
		L = 14.5	F145083546	123
		L = 17	F145087107	123
		L = 22	F145087108	123

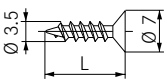
PAGE REFERENCES

Drawer sides	13	Steel back panels	58	SENSOMATIC	81
Slides	34	Designer panels	64	Organising systems	103
Inset panels	42	Technical information	74	Assembly technology	116

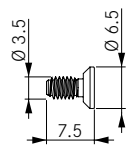
SPECIAL EURO SCREWS

			Art.-no.	PU
Steel, nickel-plated, for screwing into pre-drilled hole system Ø 5 mm (cross head screwdriver Pozidriv no. 2)		L = 8.5	F145089355	123
		L = 13.5	F145088185	123

CHIPBOARD SCREWS

			Art.-no.	PU
Head Ø 7 mm		L = 11	F145010742	261
		L = 15	F145087110	123
		L = 17	F145087111	147

SPECIAL SCREW

			Art.-no.	PU
Self-tapping countersunk screw, M 3.5 x 7.5 mm			F145117998	239

BRANDING CLIP

GRASS adhesive branding clip Positioning: Top edge of drawer side (EB 29/30), lower edge of drawer side (EB 30) Single item: Can be used on left/right										
	Stone			Ice			Silver			
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU		
EB 29/30	F102131488	247		F102131490	247		F102131492	247		
EB 30	F102131489	247		F103131491	247		F102131493	247		

Minimum order: 1000 units

GRASS clip-in branding clip for EB 30 Positioning: Lower edge of drawer side Single item: left/right										
	Stone			Ice			Silver			
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU		
Left	F102131482	247		F102131484	247		F102131486	247		
Right	F102131483	247		F102131485	247		F102131487	247		

Minimum order: 1000 units

LEGEND

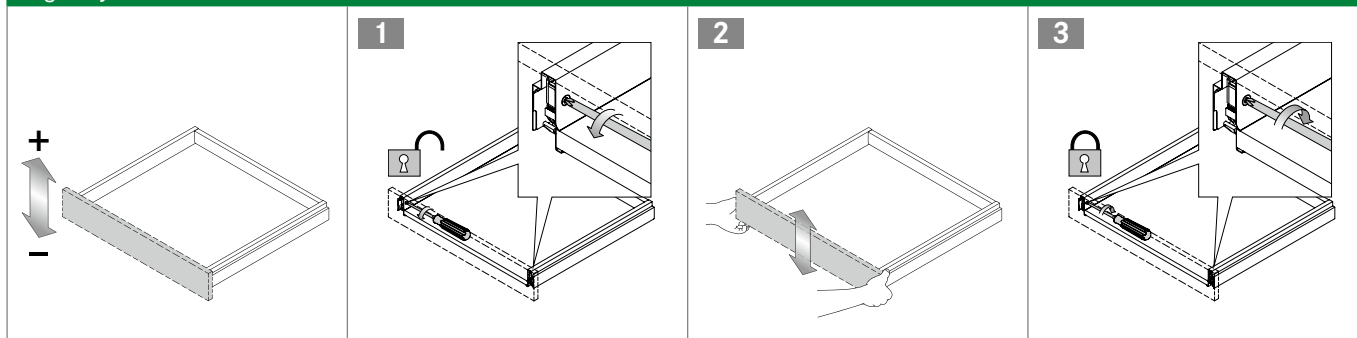
EB	Construction width		
L	Length		

NOVA PRO SCALA

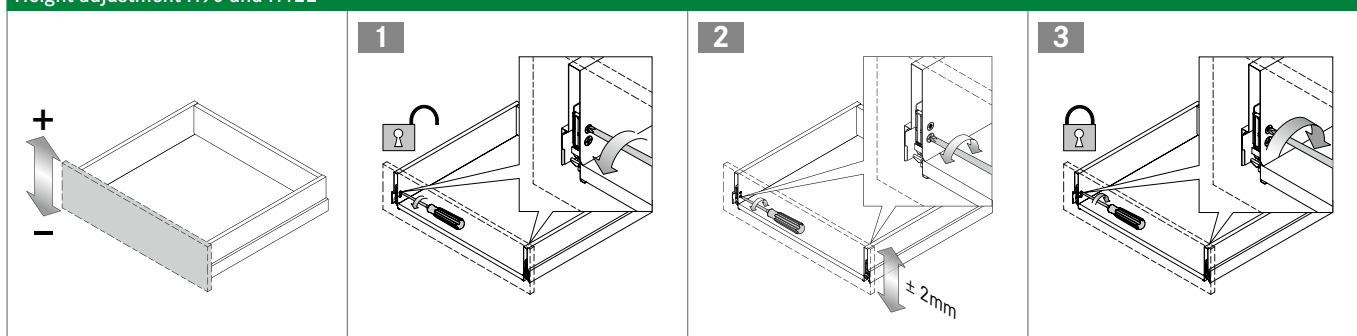
Technical information

ADJUSTMENT

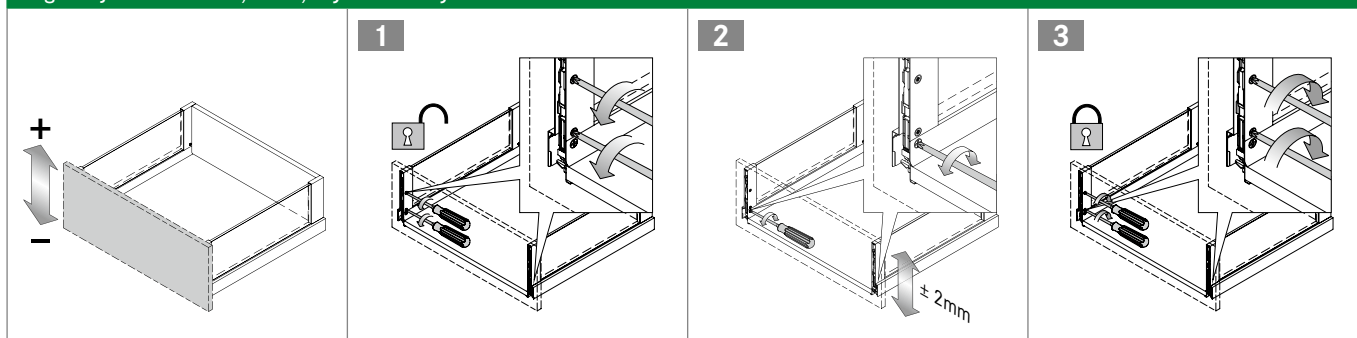
Height adjustment H63



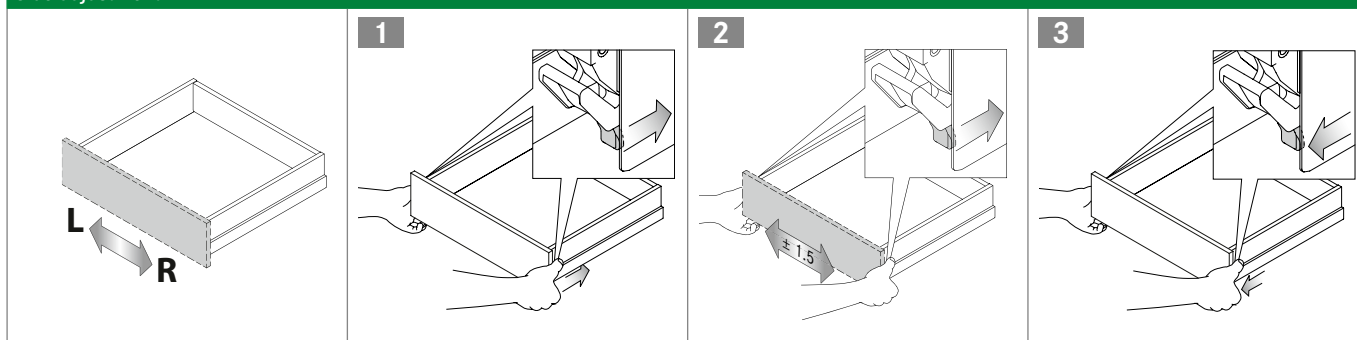
Height adjustment H90 and H122



Height adjustment H186, H250, Crystal and Crystal Plus



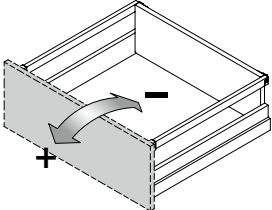
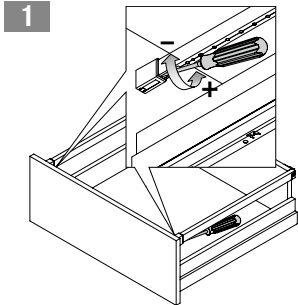
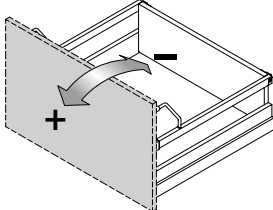
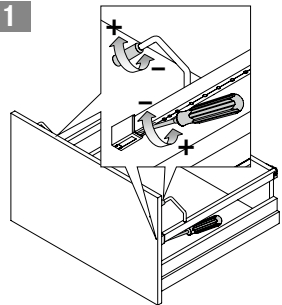
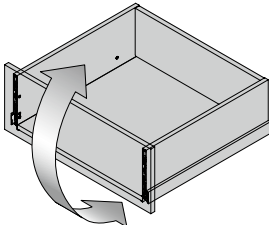
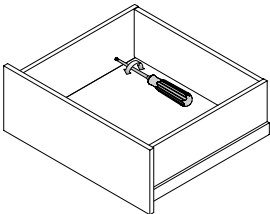
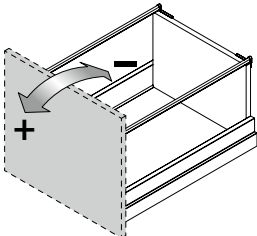
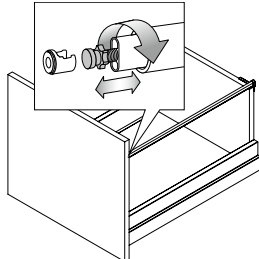
Side adjustment



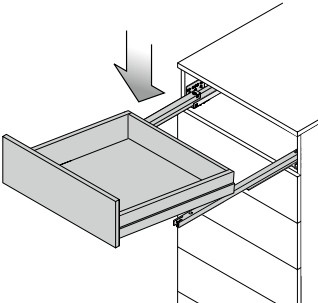
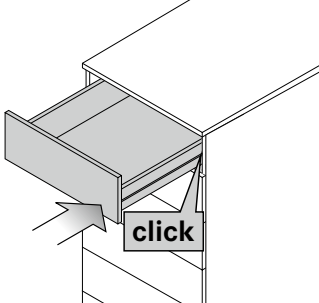
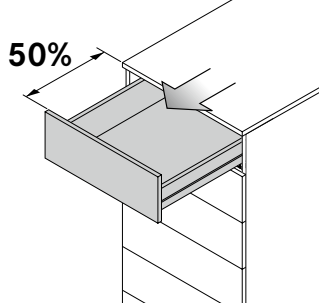
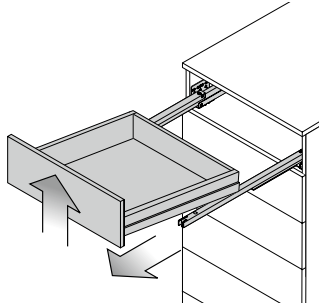
PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
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Inset panels	42	Accessories	66	Assembly technology	116

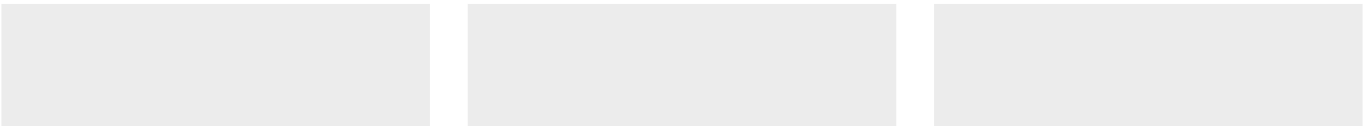
ADJUSTMENT

Tilt angle adjustment H90 with rectangular railing		Tilt angle adjustment H90 with rectangular railing and front support	
			
Tilt angle adjustment H122, H186, H250, Crystal and Crystal Plus		Tilt angle adjustment H90 with oval railing	
			

ASSEMBLY/REMOVAL

Inserting		Removal	
			

LEGEND

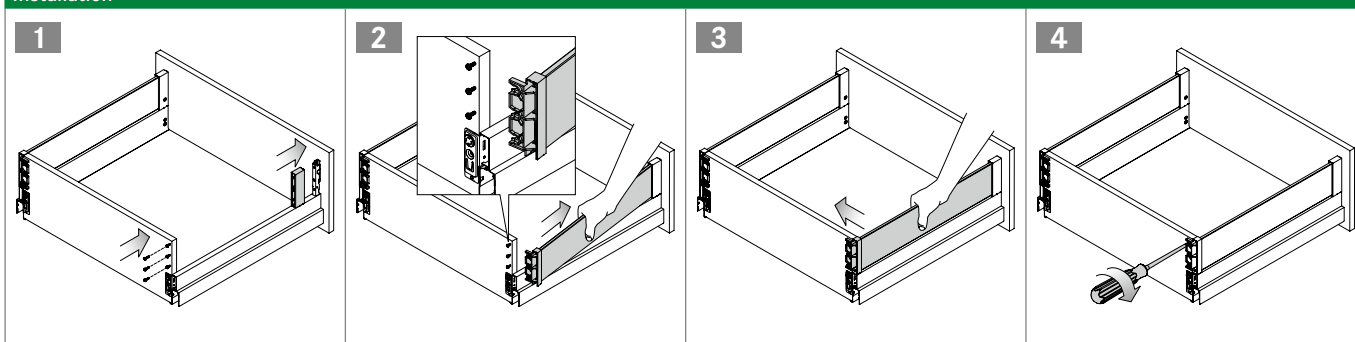


NOVA PRO SCALA

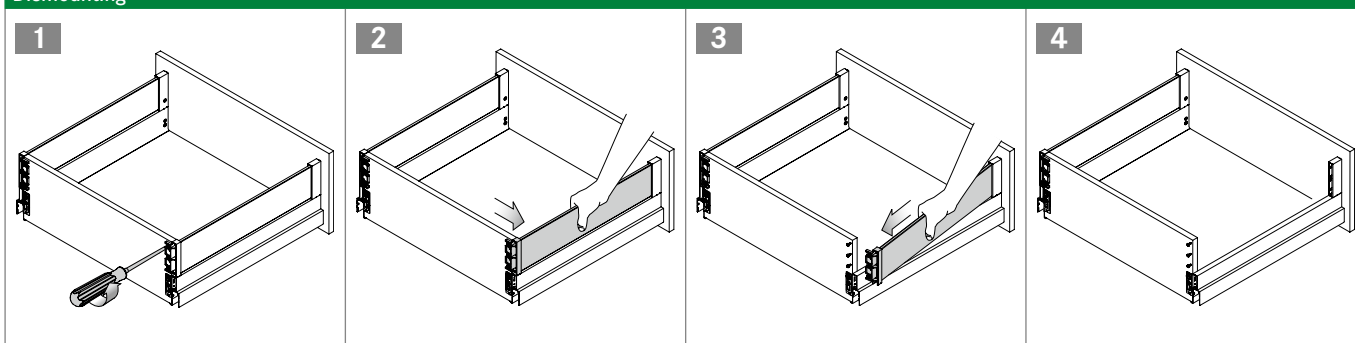
Technical information

CRYSTAL SLIDE-IN ELEMENT FOR WOODEN BACK PANEL

Installation

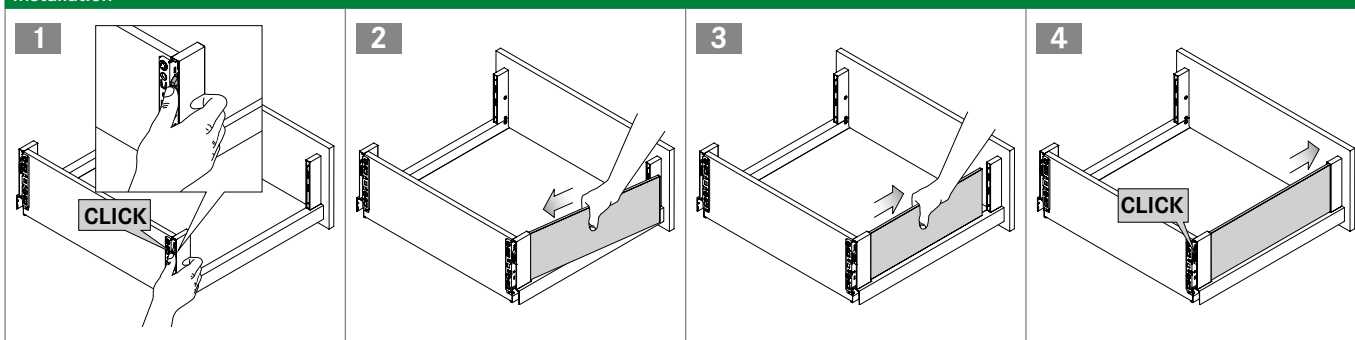


Dismounting

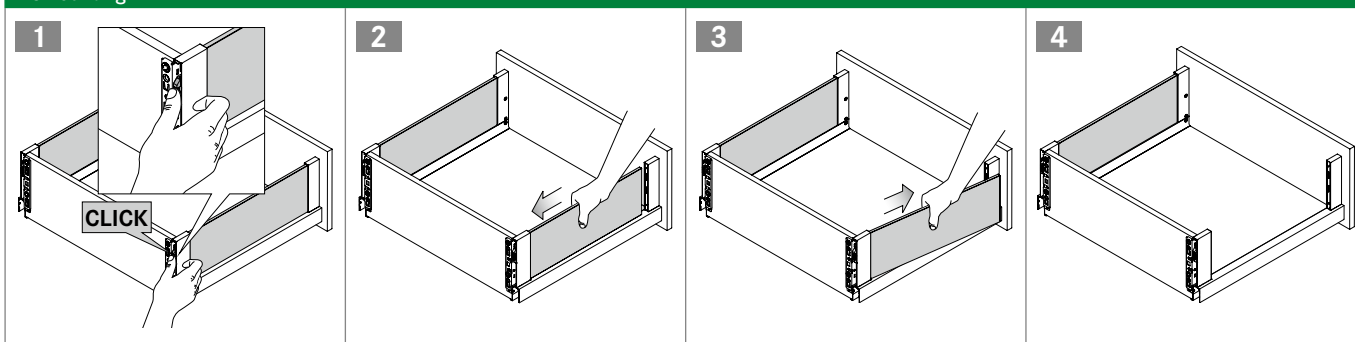


CRYSTAL PLUS SLIDE-IN ELEMENT

Installation



Dismounting

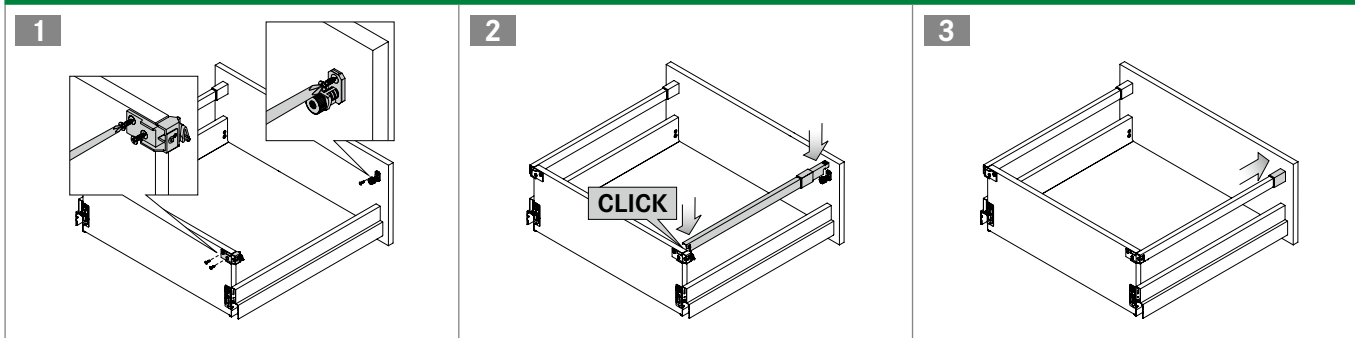


PAGE REFERENCES

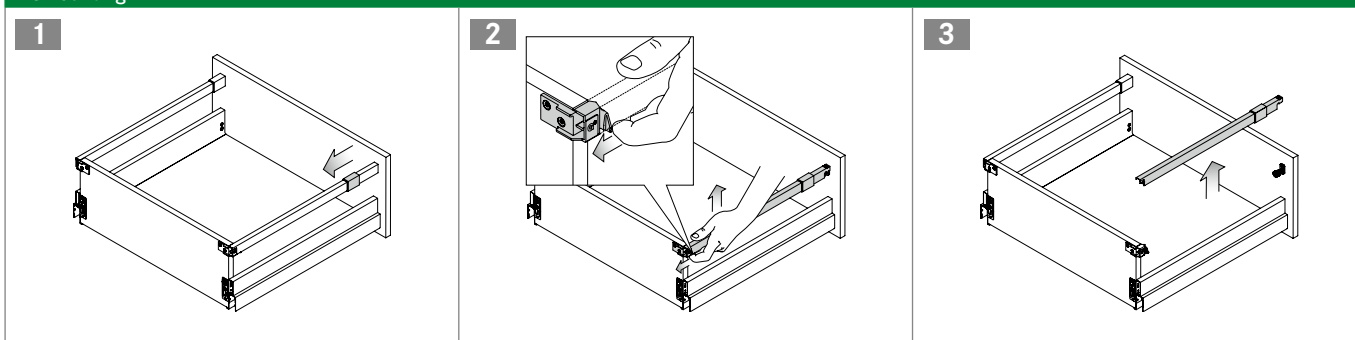
Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Inset panels	42	Accessories	66	Assembly technology	116

RECTANGULAR RAILING

Installation

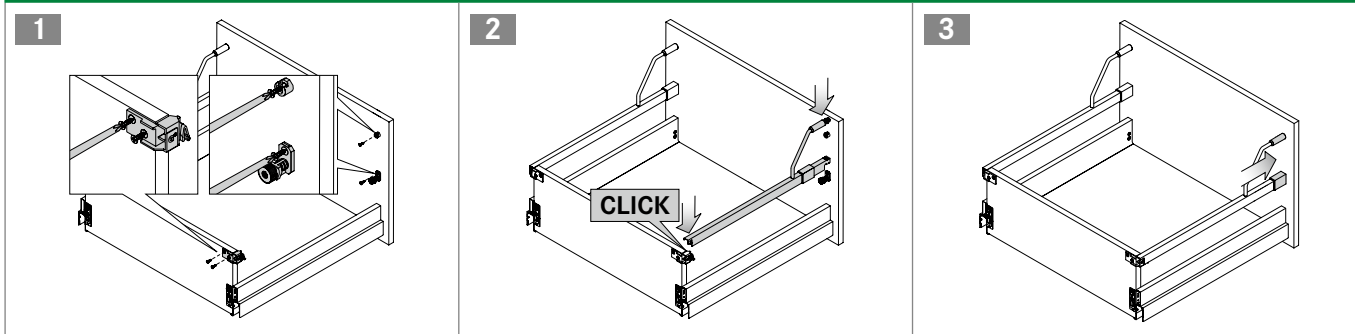


Dismounting

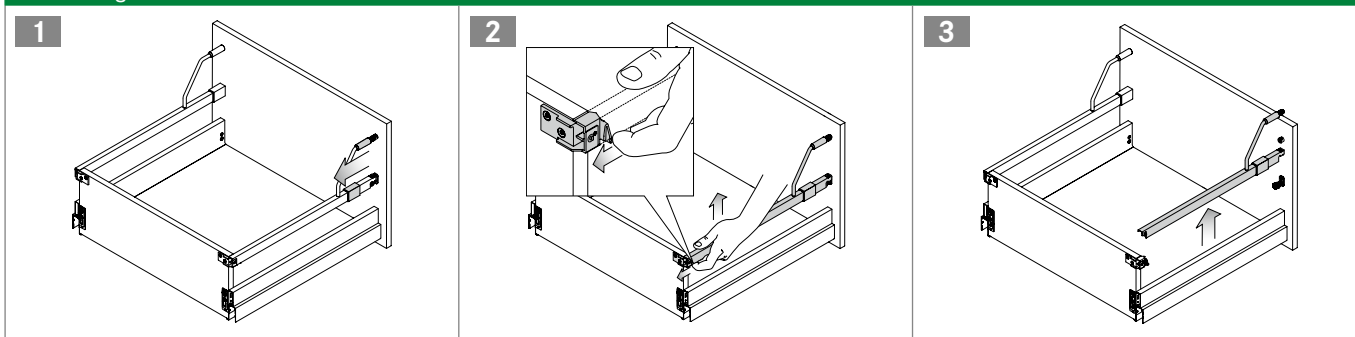


RECTANGULAR RAILING WITH FRONT SUPPORT

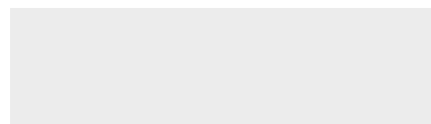
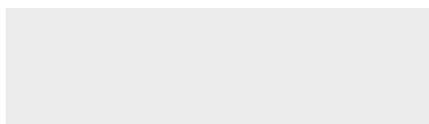
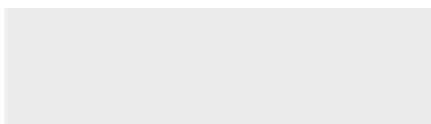
Installation



Dismounting



LEGEND

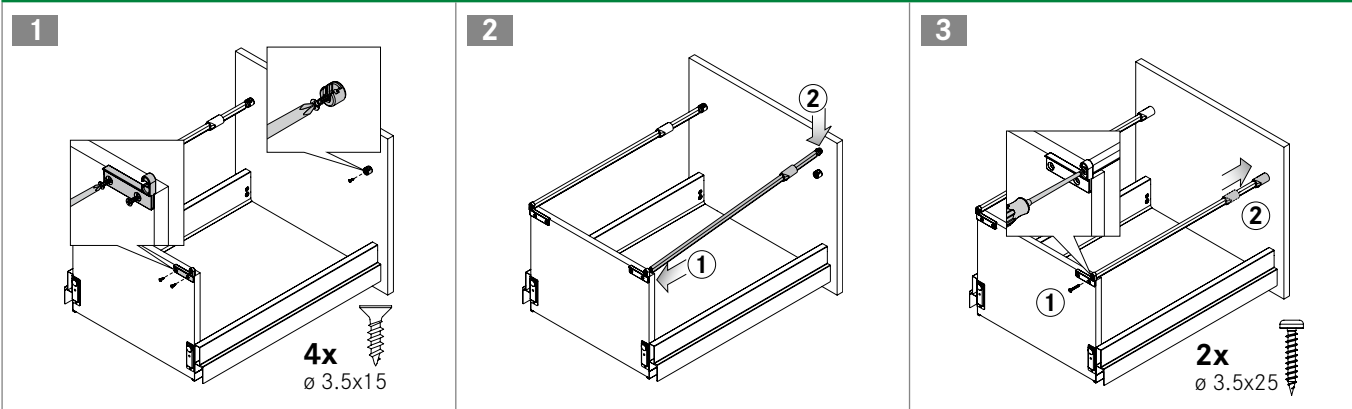


NOVA PRO SCALA

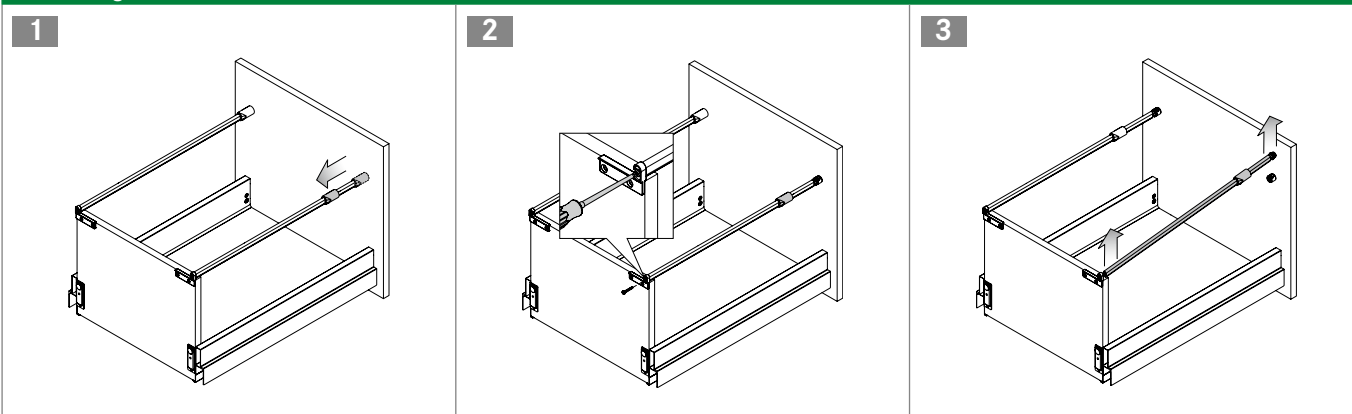
Technical information

OVAL RAILING

Installation

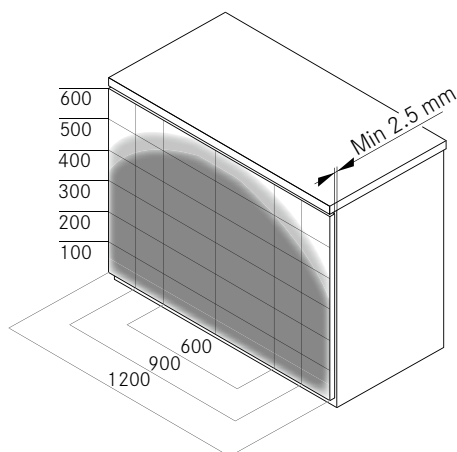


Dismounting



TIPMATIC SOFT-CLOSE

Trigger range

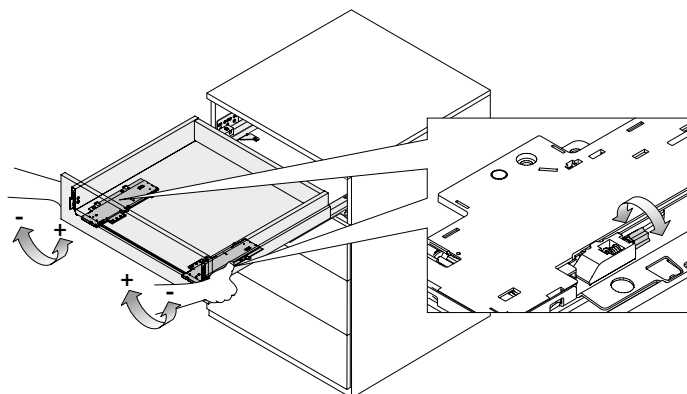
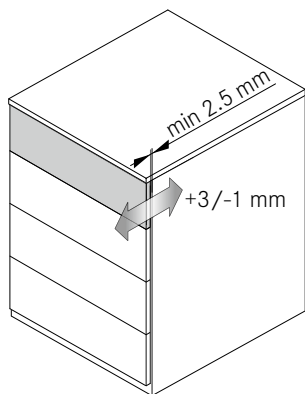


PAGE REFERENCES

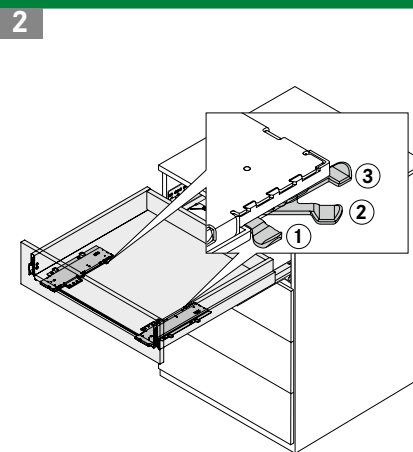
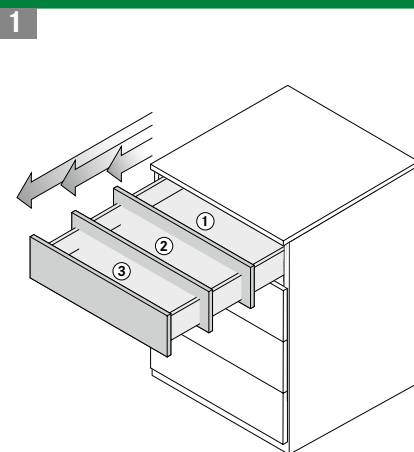
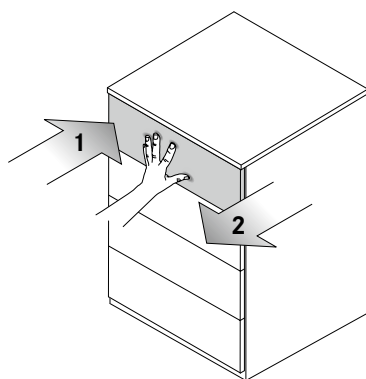
Drawer sides	13	Steel back panels	58	Sensomatic	81
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TIPMATIC SOFT-CLOSE

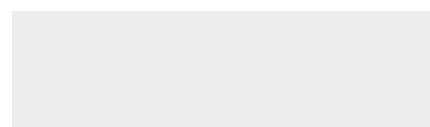
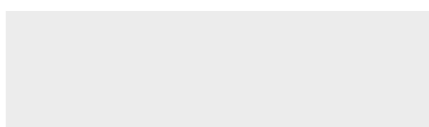
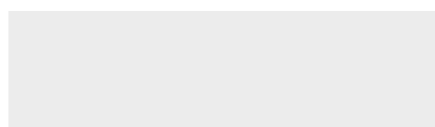
Front gap adjustment (+3 mm / -1 mm)



Opening force



LEGEND





SENSOMATIC OPENING SYSTEM

Action. Reaction. Interaction.
Comfort cannot be any more fascinating.

QUALITY CERTIFICATE
LGAI

Ultimate movement comfort: GRASS opening systems for handle-free furniture.

Thanks to Sensomatic's automatic touch-sensitive function, a gentle trigger is enough to start the drawer movement. A light touch or pull is converted into an electric signal which starts the movement process within a fraction of a second. The action is even, precise and elegant. Sensomatic combined with Soft-close, the mechanical damping system, guarantees ultimate operating comfort. Because the two systems combine all advantages of handle-free opening with the elegance of damped closing.

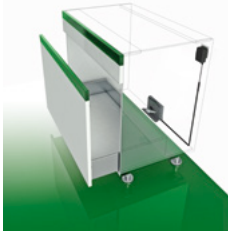
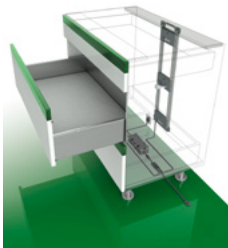
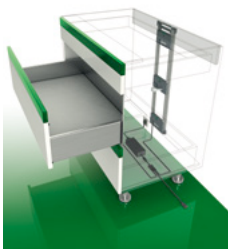
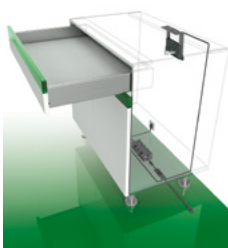
NOVA PRO SENSOMATIC

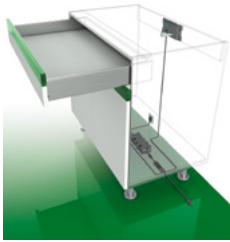
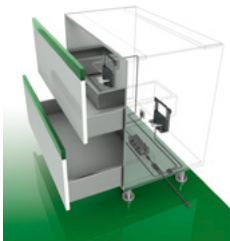
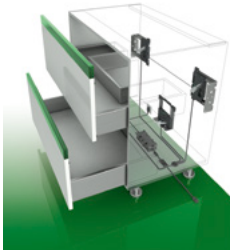
Electro-mechanical opening of regular and pot drawers.
For a balance between stylish design and functional comfort.

Product designation	Page
Nova Pro Sensomatic single set	84
Standard cabinet with horizontal wooden stretcher	86
Standard cabinet with vertical wooden stretcher	88
Single drawer with overhead frame set mounting	90
Single drawer with back panel frame set mounting	92
Sink cabinet with bottom panel frame set mounting	94
Sink cabinet with side panel frame set mounting	96
Installation instructions	98

NOVA PRO SENSOMATIC

Electro-mechanical opening of regular and pot drawers.
For a balance between stylish design and functional comfort.

	Product description	Page
	Nova Pro Sensomatic single set • Complete set for a single drawer • For cabinet widths of up to 1200 mm • Easy to install • Very simple wiring (plug and play)	84
	Standard cabinet with horizontal wooden stretcher • Minimal additional space requirement between drawer back panel and cabinet • Very simple wiring (plug and play) • Just one drive unit for cabinet widths of up to 1200 mm • Large trigger range	86
	Standard cabinet with vertical wooden stretcher • Minimal additional space requirement between drawer back panel and cabinet • Very simple wiring (plug and play) • Just one drive unit for cabinet widths of up to 1200 mm • Large trigger range	88
	Single drawer with overhead frame set mounting • Minimal additional space requirement between drawer back panel and cabinet • Very simple wiring (plug and play) • Just one drive unit for cabinet widths of up to 1200 mm • Large trigger range	90

	Product description	Page
	Single drawer with back panel frame set mounting • Minimal additional space requirement between drawer back panel and cabinet • Very simple wiring (plug and play) • Just one drive unit for cabinet widths of up to 1 200 mm • Large trigger range	92
	Sink cabinet with bottom panel frame set mounting • Minimal additional space requirement between drawer back panel and cabinet • Very simple wiring (plug and play) • Just one drive unit for cabinet widths of up to 1 200 mm • Large trigger range	94
	Sink cabinet with side panel frame set mounting • Minimal additional space requirement between drawer back panel and cabinet • Very simple wiring (plug and play) • Just one drive unit for cabinet widths of up to 1 200 mm • Large trigger range	96

NOVA PRO SENSOMATIC

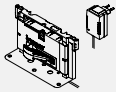
Single set



- Electro-mechanical opening system
- Combines handle-free opening with Soft-close damping system
- 1 drive unit for all weight classes
- Easy to fit
- Simple plug and play wiring
- Small additional installation depth
- Single sets include all components necessary for installation
- Ideal for heavy pot drawers and waste separating systems

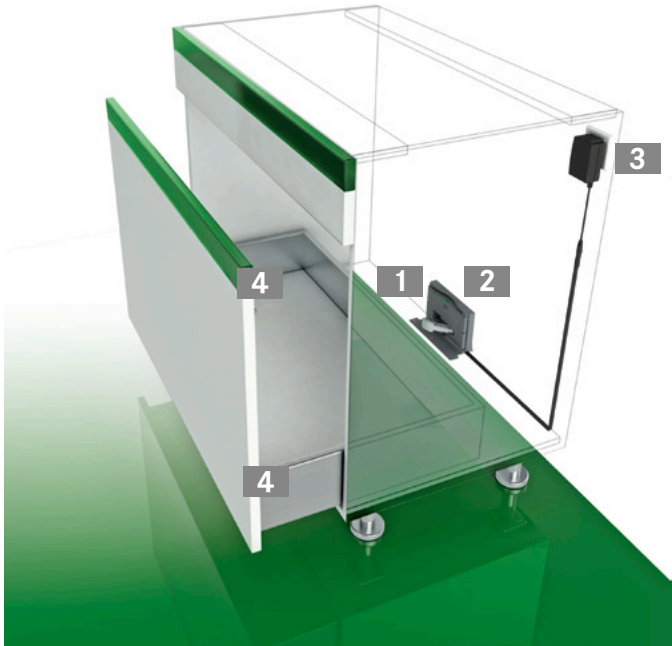
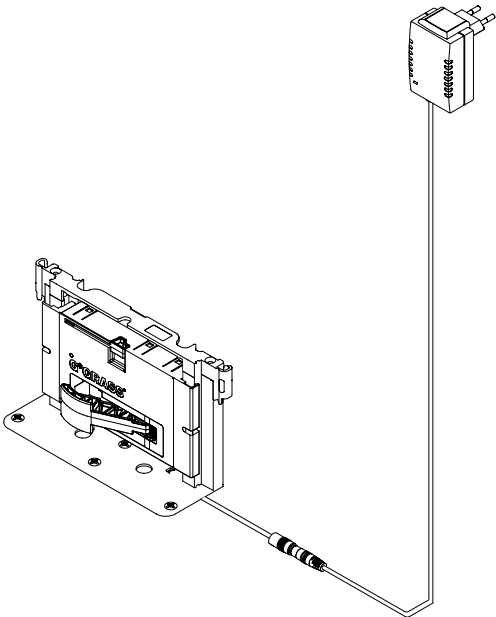
- **Note:**
Sets for other countries available upon request

ORDER INFORMATION

Sensomatic single set		
	Art.-no.	PU
for Nova Pro	F121100983	201

1 set includes:

- 1** drive unit (1x)
- 2** installation set (1x)
- 3** Power supply unit with connector (1x)
(Central Europe, DE, FR, IT, CH, ES, RU, PT, NL)
- 4** spring-loaded front buffers (4x)
- drilling and installation instructions (1x)



PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Organising systems	103
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Inset panels	42	Installation instructions	98	Packaging code	127

INSTALLATION INFORMATION

Installation dimensions								
		<table><tr><th>RW</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>NL + 20*</td><td>NL + 5*</td></tr></table> * When using front buffer 2.2 mm MET = NL + 21, LBT = NL + 6	RW	MET	LBT	Wood	NL + 20*	NL + 5*
RW	MET	LBT						
Wood	NL + 20*	NL + 5*						
Installation set								
Position of drive unit	Position of front buffer							
Note: When using Nova Pro slides 70 kg, 4 front buffers must be integrated into the front.								
* Recommendation/Minimum dimension: 49.5 mm								

LEGEND

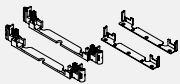
FA	Front overlay	LWK	Inside cabinet width	RW	Back panel
FH	Height of front	MET	Minimum installation depth		
KF	Cable routing	NL	Nominal length		
LBT	Depth of hole pattern	P	Positioning aid		

NOVA PRO SENSOMATIC

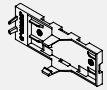
Standard cabinet horizontal wooden stretcher

ORDER INFORMATION

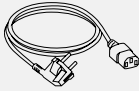
1 Drive unit	
	Art.-no. PU
for Nova Pro	F121100268 607

3 Fastening set consisting of: Items 3a (2x) and item 3b (2x)	
	Art.-no. PU
	F121100610 507

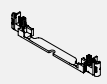
3b Fixing brackets top/bottom	
	Art.-no. PU
	F121100270 211

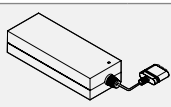
5 Power supply unit holder	
	Art.-no. PU
	F121100604 507

7 Connection cable with 2-way adapter	
	Art.-no. PU
Length	
600	F121100288 207
1000	F121100289 207
2000	F121100291 207

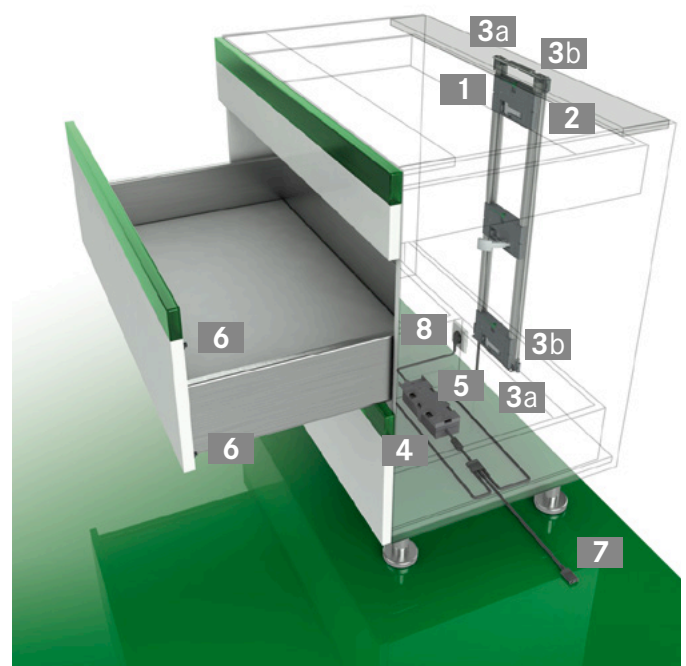
8 Power supply cable	
	Art.-no. PU
Plug	
Power supply cable K (USA, CAN)	F120069760 207
Power supply cable K (JP)	F120072445 207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761 207
Power supply cable E (DK)	F120069763 207
Power supply cable L (CH)	F120069765 207
Power supply cable D (UK, AE, MY)	F120069766 207
Mains cable C (AU, NZ)	F120078669 207
without plug	F120069767 207

2 Frame sides including frame side cable	
	Art.-no. PU
Length	
653	F121100284 207
750	F121100285 207
1170	F121100286 207

3a Frame connector	
	Art.-no. PU
	F121100282 211

4 Power supply unit	
	Art.-no. PU
	F121100269 607

6 Front buffer, spring-loaded			
Ø	Front gap	Art.-no.	PU
5	2.2	F121100294	223
	3	F121100295	223
8	2.2	F121100297	223
	3	F121100298	223

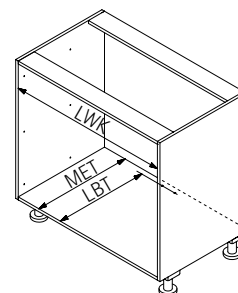
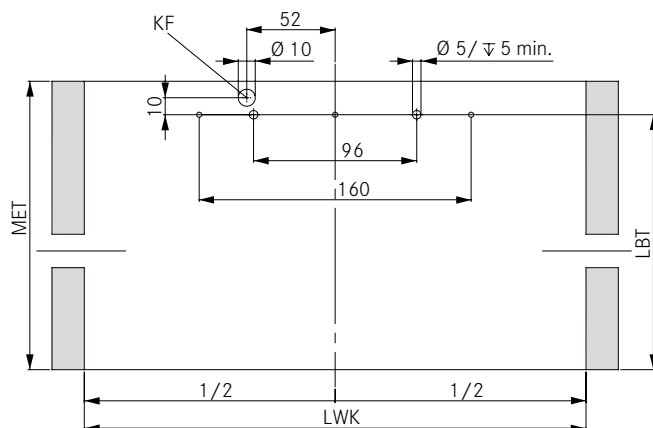


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INSTALLATION INFORMATION

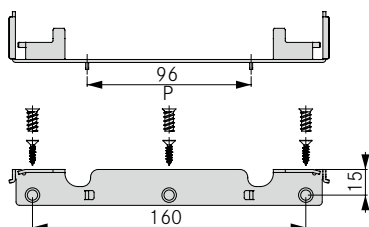
Installation dimensions



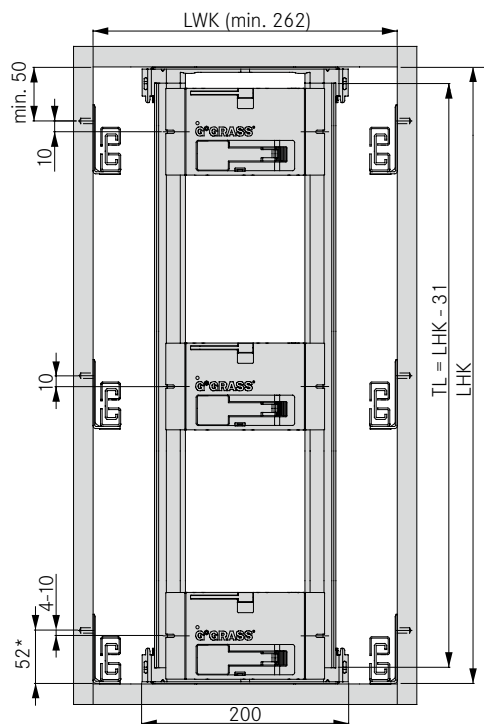
RW	MET	LBT
Wood	NL + 20*	NL + 5*

* When using front buffer 2.2 mm MET = NL + 21, LBT = NL + 6

Fixing brackets top/bottom

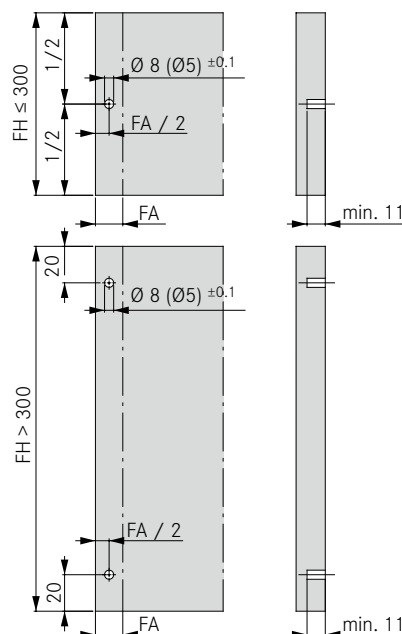


Position of drive unit



* Recommendation/Minimum dimension: 49.5 mm

Position of front buffer



Note:

When using Nova Pro slides 70 kg, 4 front buffers must be integrated into the front.

LEGEND

FA Front overlay
FH Height of front
KF Cable routing
LBT Depth of hole pattern

LHK Inside cabinet height
LWK Inside cabinet width
MET Minimum installation depth
NL Nominal length

P Positioning aid
RW Back panel
TL Length of frame side

NOVA PRO SENSOMATIC

Standard cabinet vertical wooden stretcher

ORDER INFORMATION

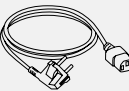
1 Drive unit	
	Art.-no. PU
for Nova Pro	F121100268 607

3 Frame connector	
	Art.-no. PU
	F121100282 211

5 Fixing bracket, back inside mounted	
	Art.-no. PU
	F121100275 207

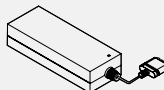
7 Power supply unit holder	
	Art.-no. PU
	F121100604 507

9 Connection cable with 2-way adapter	
	Length Art.-no. PU
	600 F121100288 207
	1000 F121100289 207
	2000 F121100291 207

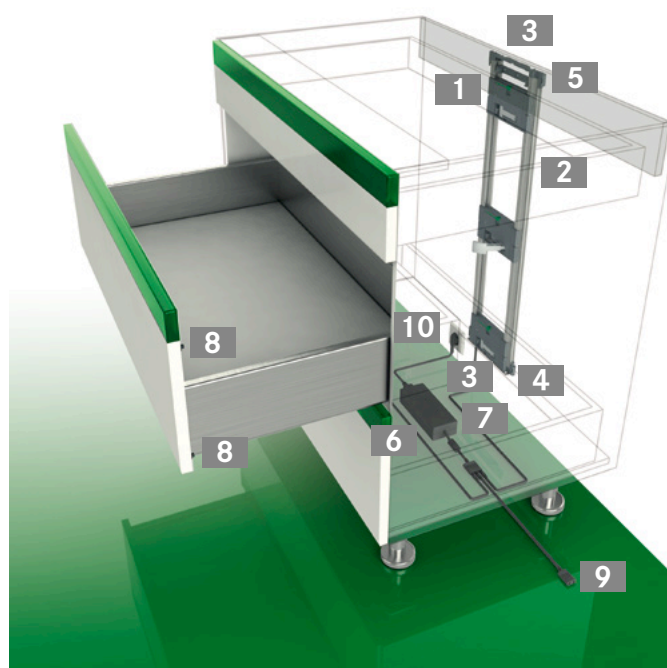
10 Power supply cable	
	K A E L D C
Plug	Art.-no. PU
Power supply cable K (USA, CAN)	F120069760 207
Power supply cable K (JP)	F120072445 207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761 207
Power supply cable E (DK)	F120069763 207
Power supply cable L (CH)	F120069765 207
Power supply cable D (UK, AE, MY)	F120069766 207
Mains cable C (AU, NZ)	F120078669 207
without plug	F120069767 207

2 Frame sides including frame side cable	
	Length Art.-no. PU
	653 F121100284 207
	750 F121100285 207
	1170 F121100286 207

4 Fixing brackets top/bottom	
	Art.-no. PU
	F121100270 211

6 Power supply unit	
	Art.-no. PU
	F121100269 607

8 Front buffer, spring-loaded	
	Ø Front gap Art.-no. PU
	5 2.2 F121100294 223
	3 F121100295 223
	8 2.2 F121100297 223
	3 F121100298 223



PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Organising systems	103
Slides	34	Accessories	66	Assembly technology	116
Inset panels	42	Installation instructions	98	Packaging code	127

INSTALLATION INFORMATION

Installation dimensions								
		<table><tr><th>RW</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>NL + 20*</td><td>NL + 5*</td></tr></table> * When using front buffer 2.2 mm MET = NL + 21, LBT = NL + 6	RW	MET	LBT	Wood	NL + 20*	NL + 5*
RW	MET	LBT						
Wood	NL + 20*	NL + 5*						
Fixing brackets top/bottom		Fixing bracket, back inside mounted						
Position of drive unit		Position of front buffer						
* Recommendation/Minimum dimension: 49.5 mm		Note: When using Nova Pro slides 70 kg, 4 front buffers must be integrated into the front.						

LEGEND

FA Front overlay
FH Height of front
KF Cable routing
LBT Depth of hole pattern

LHK Inside cabinet height
LWK Inside cabinet width
MET Minimum installation depth
NL Nominal length

P Positioning aid
RW Back panel
TL Length of frame side

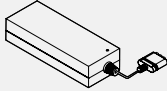
NOVA PRO SENSOMATIC

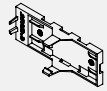
Single drawer with overhead frame set mounting

ORDER INFORMATION

1 Drive unit		
		
Art.-no.	PU	
for Nova Pro	F121100268	607

2 Installation set		
		
Art.-no.	PU	
	F121100273	207

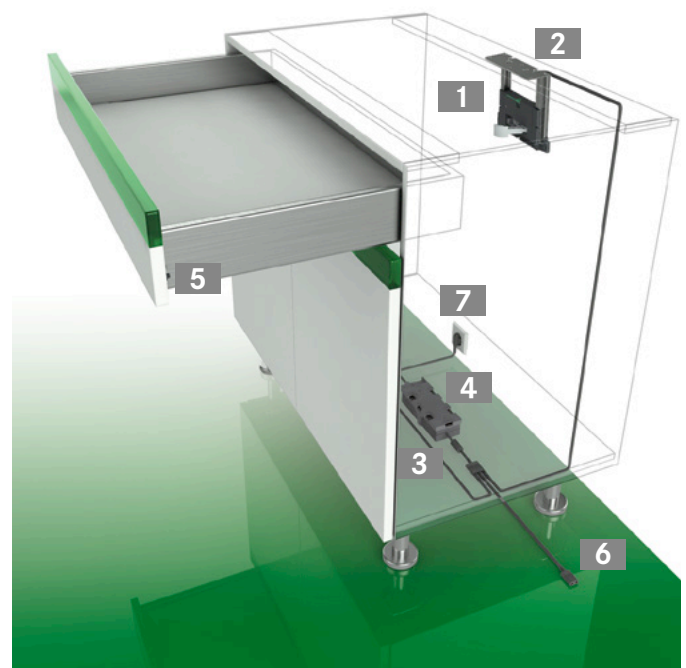
3 Power supply unit		
		
Art.-no.	PU	
	F121100269	607

4 Power supply unit holder		
		
Art.-no.	PU	
	F121100604	507

5 Front buffer, spring-loaded		
		
Ø	Front gap	Art.-no. PU
5	2.2	F121100294 223
	3	F121100295 223
8	2.2	F121100297 223
	3	F121100298 223

6 Connection cable with 2-way adapter		
		
Length	Art.-no.	PU
600	F121100288	207
1000	F121100289	207
2000	F121100291	207

7 Power supply cable		
	 	
Plug	Art.-no.	PU
Power supply cable K (USA, CAN)	F120069760	207
Power supply cable K (JP)	F120072445	207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761	207
Power supply cable E (DK)	F120069763	207
Power supply cable L (CH)	F120069765	207
Power supply cable D (UK, AE, MY)	F120069766	207
Mains cable C (AU, NZ)	F120078669	207
without plug	F120069767	207



PAGE REFERENCES

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Inset panels	42	Installation instructions	98	Packaging code	127

INSTALLATION INFORMATION

Installation dimensions								
		<table><tr><th>RW</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>NL + 20*</td><td>NL + 5*</td></tr></table>	RW	MET	LBT	Wood	NL + 20*	NL + 5*
RW	MET	LBT						
Wood	NL + 20*	NL + 5*						
* When using front buffer 2.2 mm MET = NL + 21, LBT = NL + 6								
Installation set								
Position of drive unit								
	Position of front buffer							
Note: When using Nova Pro slides 70 kg, 4 front buffers must be integrated into the front.								

LEGEND

FA	Front overlay	LBT	Depth of hole pattern	P	Positioning aid
FH	Height of front	LWK	Inside cabinet width	RW	Back panel
KF	Cable routing	MET	Minimum installation depth		
KUB	Cabinet base	NL	Nominal length		

NOVA PRO SENSOMATIC

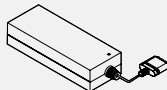
Single drawer with back panel frame set mounting

ORDER INFORMATION

1 Drive unit			
	Art.-no.	PU	
for Nova Pro	F121100268	607	

2 Frame sides for back panel frame set mounting including hole drilling			
	Art.-no.	PU	
	F121100283	207	

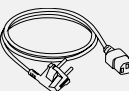
3 Frame connector			
	Art.-no.	PU	
	F121100282	211	

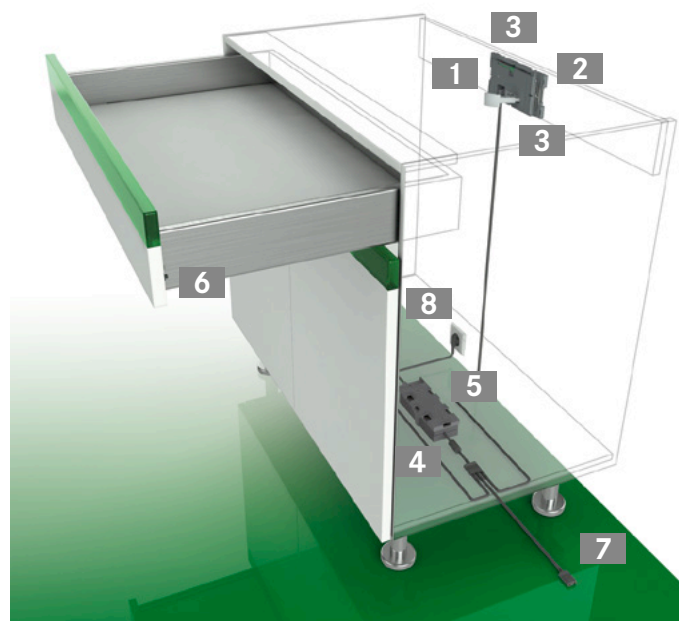
4 Power supply unit			
	Art.-no.	PU	
	F121100269	607	

5 Power supply unit holder			
	Art.-no.	PU	
	F121100604	507	

6 Front buffer, spring-loaded			
Ø	Front gap	Art.-no.	PU
5	2.2	F121100294	223
	3	F121100295	223
8	2.2	F121100297	223
	3	F121100298	223

7 Connection cable with 2-way adapter			
	Length	Art.-no.	PU
	600	F121100288	207
	1000	F121100289	207
	2000	F121100291	207

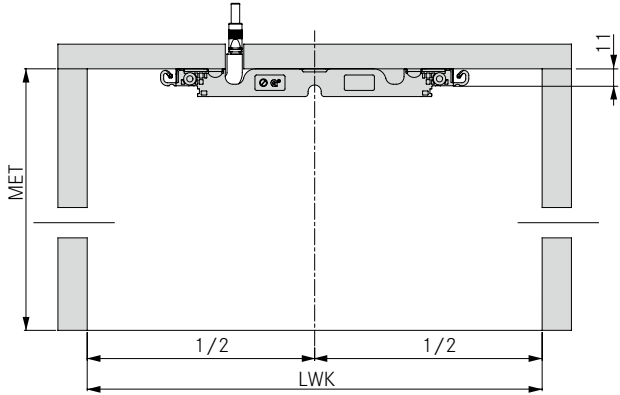
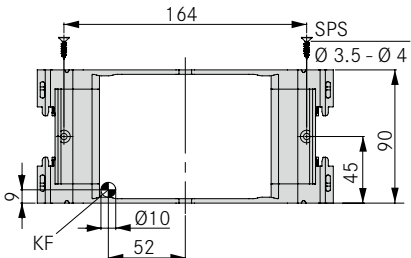
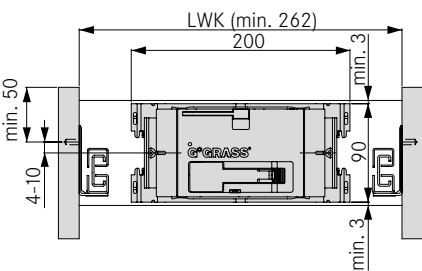
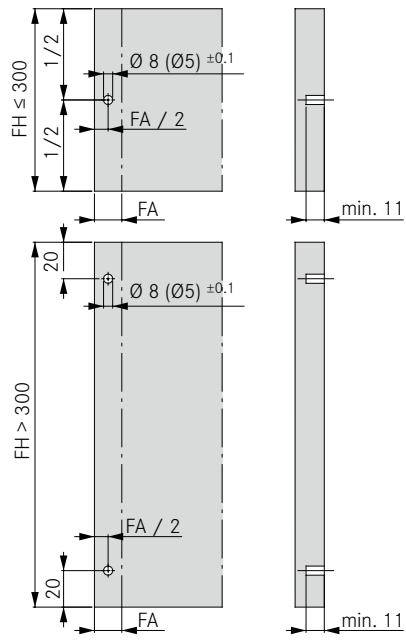
8 Power supply cable			
	K A E L D C		
Plug	Art.-no.	PU	
Power supply cable K (USA, CAN)	F120069760	207	
Power supply cable K (JP)	F120072445	207	
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761	207	
Power supply cable E (DK)	F120069763	207	
Power supply cable L (CH)	F120069765	207	
Power supply cable D (UK, AE, MY)	F120069766	207	
Mains cable C (AU, NZ)	F120078669	207	
without plug	F120069767	207	



PAGE REFERENCES

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Inset panels	42	Installation instructions	98	Packaging code	127

INSTALLATION INFORMATION

Installation dimensions					
					
<table><tr><th>RW</th><th>MET</th></tr><tr><td>Wood</td><td>NL + 20*</td></tr></table> * When using front buffer 2.2 mm MET = NL + 21		RW	MET	Wood	NL + 20*
RW	MET				
Wood	NL + 20*				
Frame sides					
					
Position of drive unit	Position of front buffer				
					
					
Note: When using Nova Pro slides 70 kg, 4 front buffers must be integrated into the front.					

LEGEND

FA	Front overlay	MET	Minimum installation depth
FH	Height of front	NL	Nominal length
KF	Cable routing	RW	Back panel
LWK	Inside cabinet width	SPS	Chipboard screw

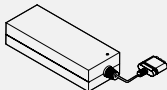
NOVA PRO SENSOMATIC

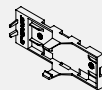
Sink cabinet with bottom panel frame set mounting

ORDER INFORMATION

1 Drive unit			
	Art.-no.	PU	
for Nova Pro	F121100268	607	

2 Installation set			
	Art.-no.	PU	
	F121100273	207	

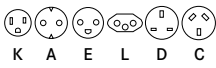
3 Power supply unit			
	Art.-no.	PU	
	F121100269	607	

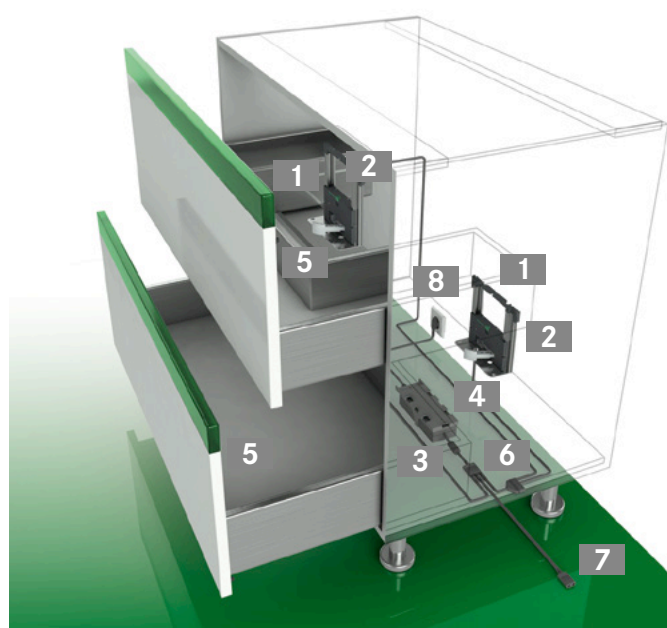
4 Power supply unit holder			
	Art.-no.	PU	
	F121100604	507	

5 Front buffer, spring-loaded			
Ø	Front gap	Art.-no.	PU
5	2.2	F121100294	223
	3	F121100295	223
8	2.2	F121100297	223
	3	F121100298	223

6 4-way adapter			
	Art.-no.	PU	
	F121100293	207	

7 Connection cable with 2-way adapter			
Length	Art.-no.	PU	
600	F121100288	207	
1000	F121100289	207	
2000	F121100291	207	

8 Power supply cable			
Plug	Art.-no.	PU	
Power supply cable K (USA, CAN)	F120069760	207	
Power supply cable K (JP)	F120072445	207	
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761	207	
Power supply cable E (DK)	F120069763	207	
Power supply cable L (CH)	F120069765	207	
Power supply cable D (UK, AE, MY)	F120069766	207	
Mains cable C (AU, NZ)	F120078669	207	
without plug	F120069767	207	

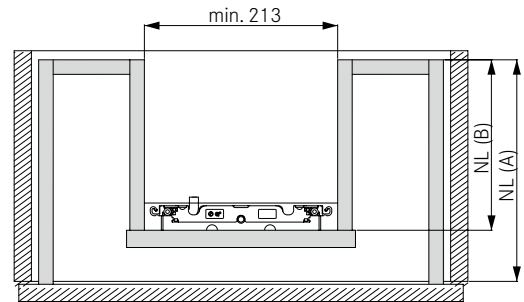
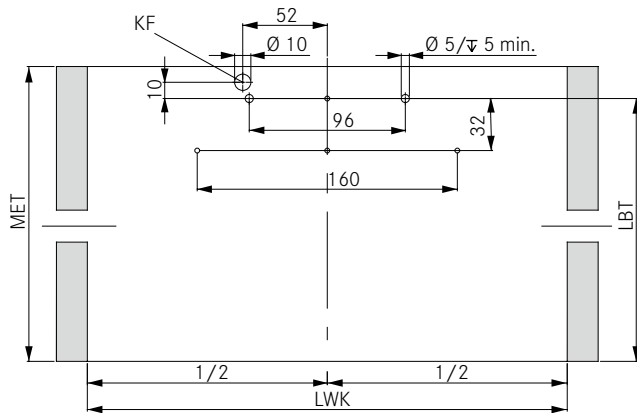


PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Organising systems	103
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Inset panels	42	Installation instructions	98	Packaging code	127

INSTALLATION INFORMATION

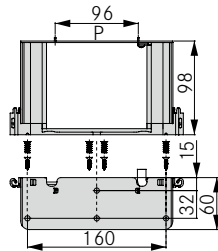
Installation dimensions – bottom panel frame set mounting



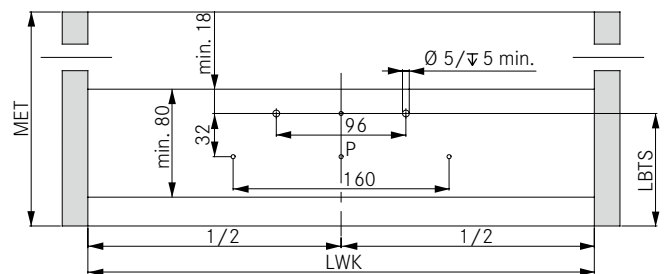
RW	MET	LBT	LBS
Wood	NL + 20*	NL + 5*	NL(A)-NL(B)+9

* When using front buffer 2.2 mm MET = NL + 21, LBT = NL + 6

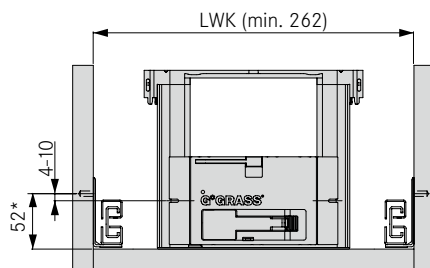
Installation set



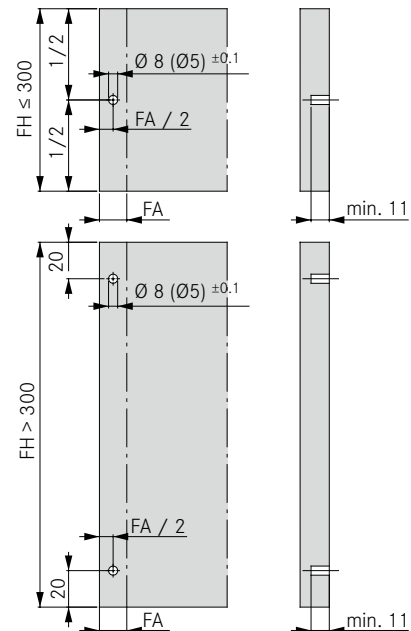
Sink cabinet installation



Position of drive unit



Position of front buffer



Note:

When using Nova Pro slides 70 kg, 4 front buffers must be integrated into the front.

* Recommendation/Minimum dimension: 49.5 mm

LEGEND

FA Front overlay
FH Height of front
KF Cable routing
LBT Depth of hole pattern

LBS Sink drawer, depth of hole pattern
LWK Inside cabinet width
MET Minimum installation depth
NL Nominal length

P Positioning aid
RW Back panel

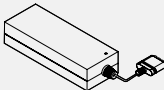
NOVA PRO SENSOMATIC

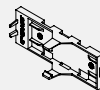
Sink cabinet with side panel frame set mounting

ORDER INFORMATION

1 Drive unit			
	Art.-no.	PU	
for Nova Pro	F121100268	607	

2 Installation set			
	Art.-no.	PU	
	F121100273	207	

3 Power supply unit			
	Art.-no.	PU	
	F121100269	607	

4 Power supply unit holder			
	Art.-no.	PU	
	F121100604	507	

5 Front buffer, spring-loaded			
Ø	Front gap	Art.-no.	PU
5	2.2	F121100294	223
	3	F121100295	223
8	2.2	F121100297	223
	3	F121100298	223

6 Synchronisation cable 10 m			
	Art.-no.	PU	
	F121100287	207	

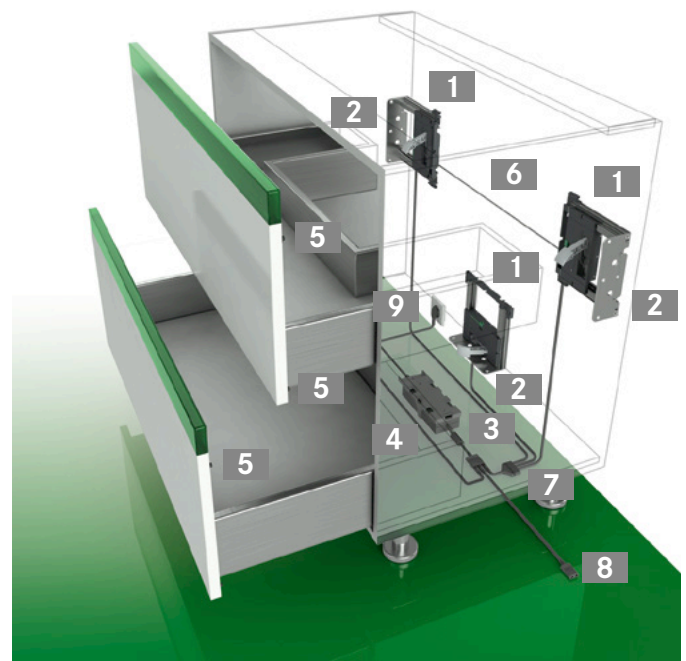
7 4-way adapter			
	Art.-no.	PU	
	F121100293	207	

8 Connection cable with 2-way adapter			
Length	Art.-no.	PU	
600	F121100288	207	
1000	F121100289	207	
2000	F121100291	207	

9 Power supply cable			
	K A E L D C		
Plug	Art.-no.	PU	
Power supply cable K (USA, CAN)	F120069760	207	
Power supply cable K (JP)	F120072445	207	
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761	207	
Power supply cable E (DK)	F120069763	207	
Power supply cable L (CH)	F120069765	207	
Power supply cable D (UK, AE, MY)	F120069766	207	
Mains cable C (AU, NZ)	F120078669	207	
without plug	F120069767	207	

NOTE

Suitable from NL 350



PAGE REFERENCES

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INSTALLATION INFORMATION

Installation dimensions – bottom panel frame set mounting MET LBT LWB LKH 52 10 Ø 10 96 32 160 1/2 LWK KF Ø 5/√ 5 min.	Installation dimensions – side panel frame set mounting min. 2.2 60 80 160 32 LBT MET 4 96 80 160						
Installation set 96 P 98 15 32 60 160	<table><tr><th>RW</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>NL + 21</td><td>NL + 6</td></tr></table>	RW	MET	LBT	Wood	NL + 21	NL + 6
RW	MET	LBT					
Wood	NL + 21	NL + 6					
Position of drive unit, bottom panel frame set mounting LWK (min. 262) 52* 4-10	Position of front buffer FH ≤ 300 1/2 1/2 Ø 8 (Ø5) ±0.1 FA / 2 FA min. 11						
* Recommendation/Minimum dimension: 49.5 mm Position of drive unit, side panel frame set mounting min. 55 min. 362 min. 55 min. 107 min. 99 LBH = min. 99 160 4	FH > 300 20 20 Ø 8 (Ø5) ±0.1 FA / 2 FA min. 11						
	Note: When using Nova Pro slides 70 kg, 4 front buffers must be integrated into the front.						

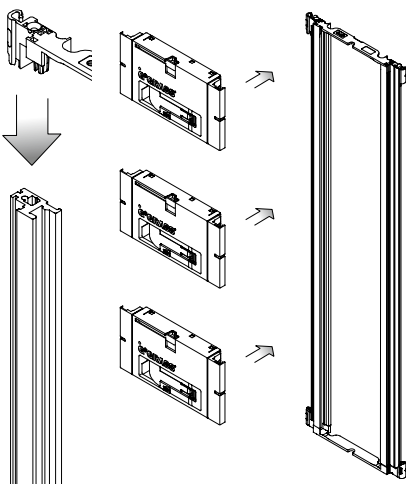
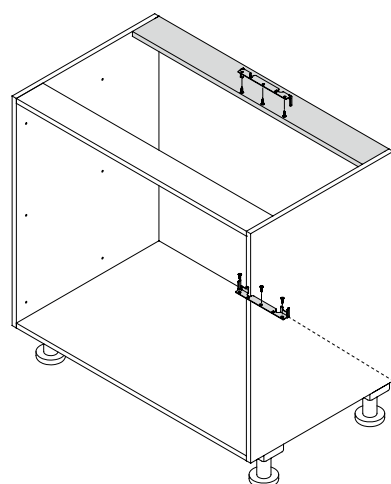
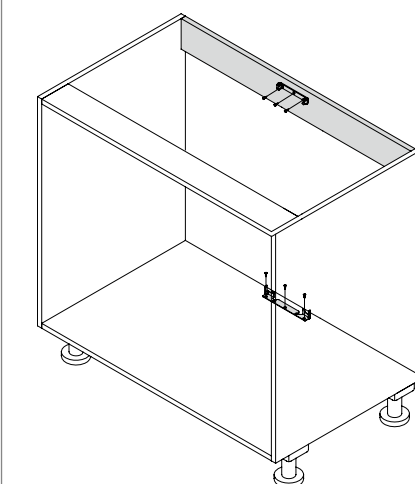
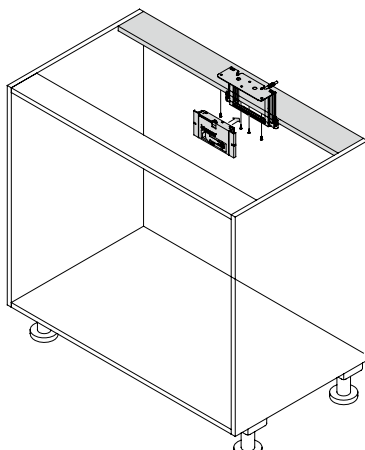
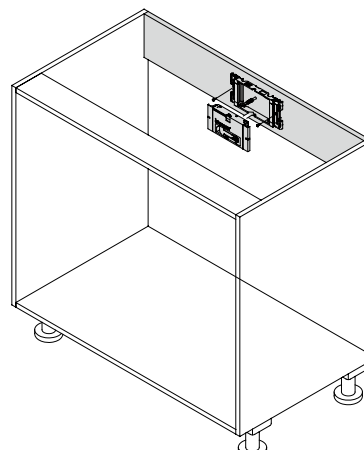
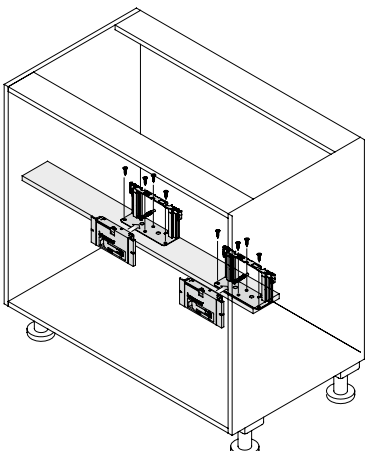
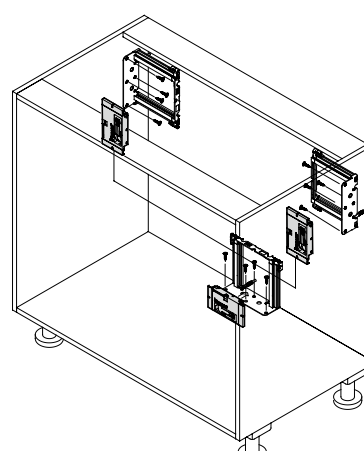
LEGEND

FA	Front overlay	LBT	Depth of hole pattern	P	Positioning aid
FH	Height of front	LWK	Inside cabinet width	RW	Back panel
KF	Cable routing	MET	Minimum installation depth		
LBH	Height of hole pattern	NL	Nominal length		

NOVA PRO SENSOMATIC

Installation instructions

INSTALLATION INSTRUCTIONS

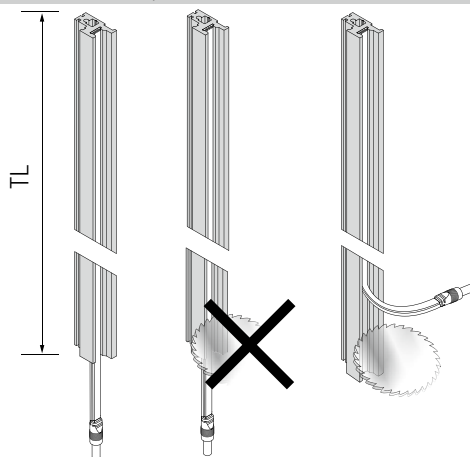
Stretcher installation 	Standard cabinet installation with horizontal wooden stretcher 	Standard cabinet installation with vertical wooden stretcher 
Overhead frame set mounting, single drawer 	Back panel frame set mounting, single drawer 	
Bottom panel frame set mounting, sink cabinet 	Side panel frame set mounting, sink cabinet 	

PAGE REFERENCES

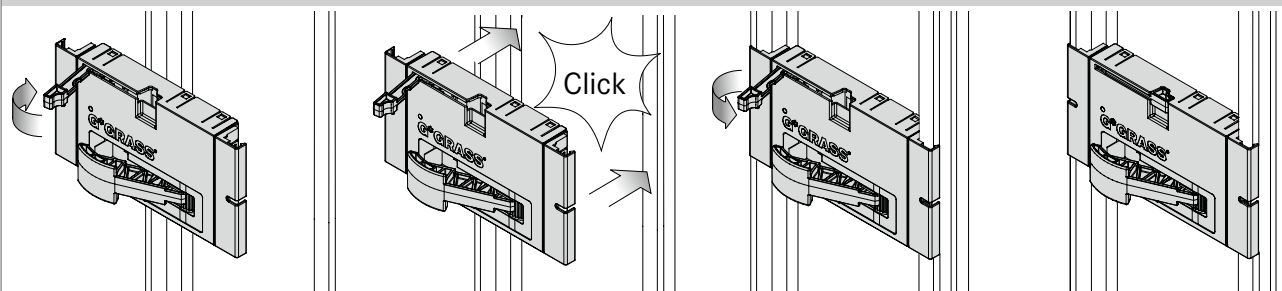
Horizontal wooden stretcher	86	Back panel frame set mounting	92	Drawer sides	13
Vertical wooden stretcher	88	Bottom panel frame set mounting	94	Slides	34
Overhead frame set mounting	90	Side panel frame set mounting	96	Assembly technology	116

INSTALLATION INSTRUCTIONS

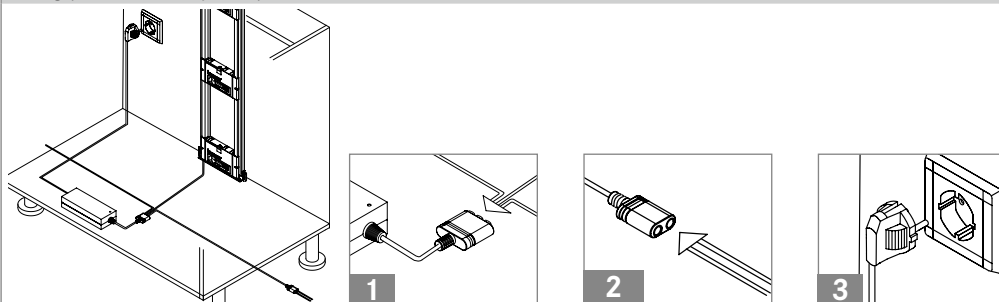
Cutting stretcher to length (horizontal and vertical wooden stretcher)



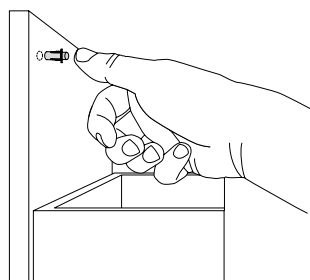
Installation of drive unit



Wiring (connection sequence)

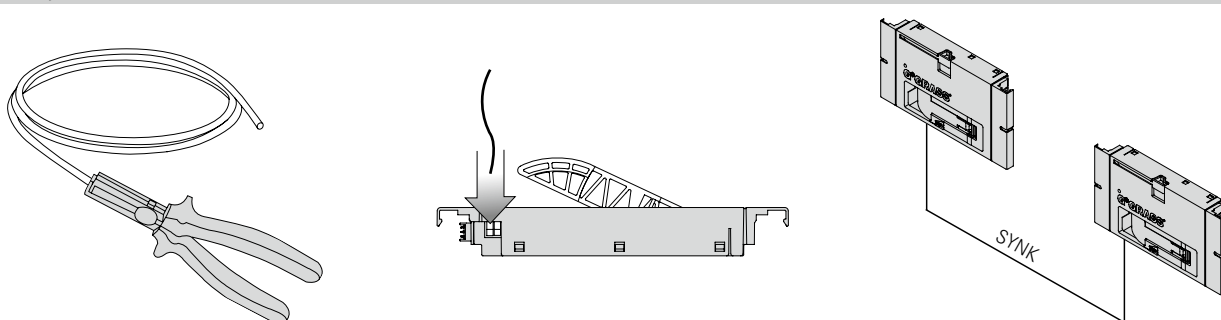


Inserting front buffer



Do not drive in or glue!

Installing the synchronisation cable



LEGEND

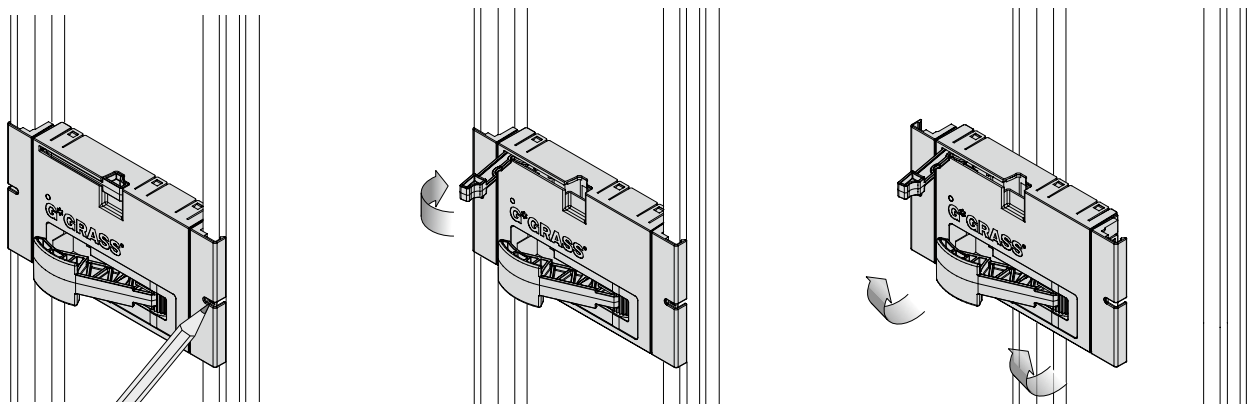
SYNK Synchronisation cable
TL Length of frame side

NOVA PRO SENSOMATIC

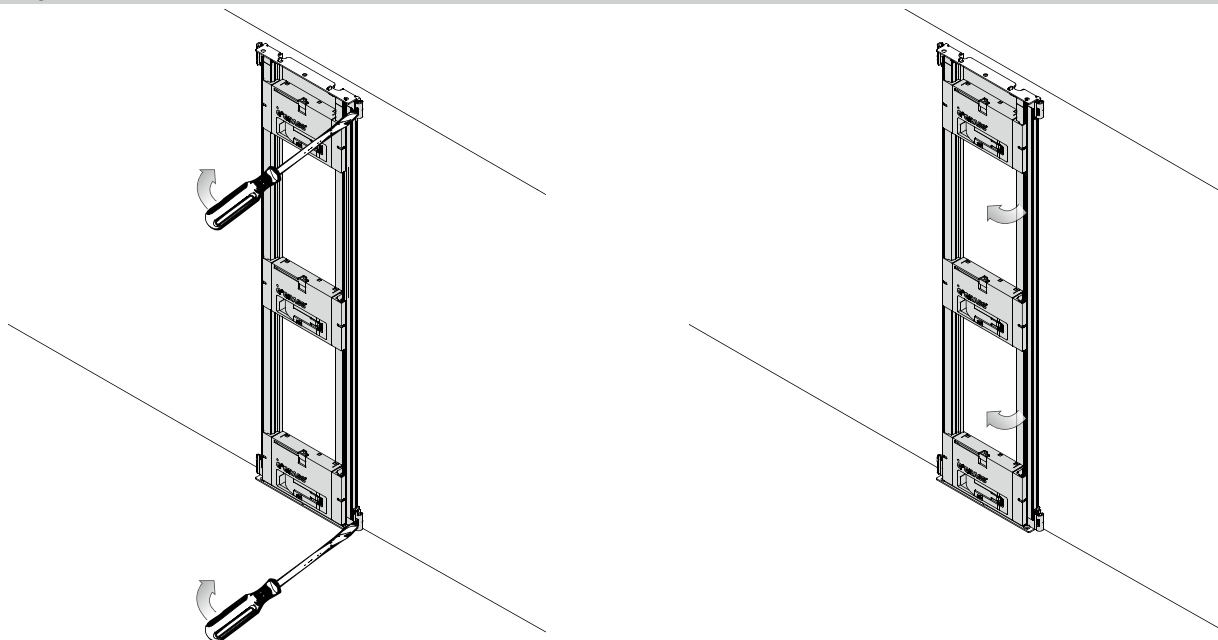
Dismantling instructions

DISMOUNTING

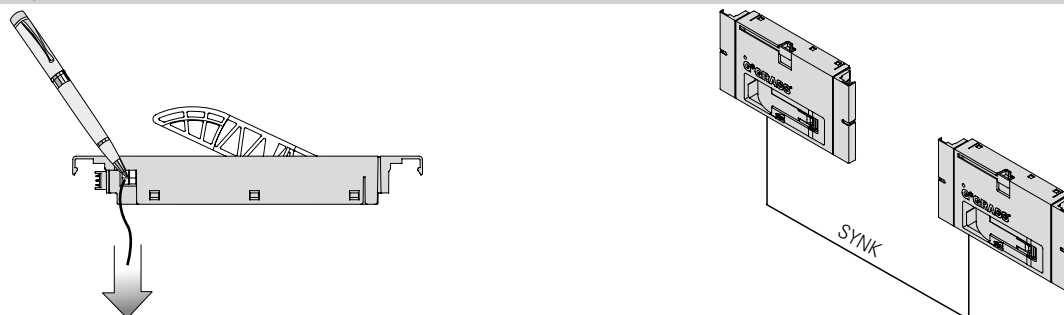
Dismantling the drive unit



Dismantling the frame sides



Dismantling the synchronisation cable

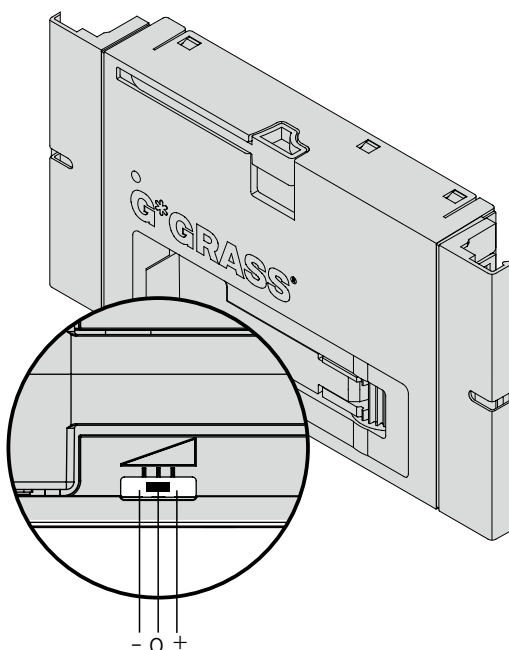


PAGE REFERENCES

Horizontal wooden stretcher	86	Back panel frame set mounting	92	Drawer sides	13
Vertical wooden stretcher	88	Bottom panel frame set mounting	94	Slides	34
Overhead frame set mounting	90	Side panel frame set mounting	96	Assembly technology	116

ADJUSTMENT

Variable drive force



NOTES

- Cabinet must be level
- System must be disconnected for installation and dismantling!
- Provide switched sockets
- From a cabinet width of 1200 mm we recommend the use of two drive units. The synchronisation cable ensures simultaneous activation
- **Caution:**
Never position any screws near the drive lever on the back panel of the drawer
- Per power supply unit it is possible to operate up to 30 drive units

TECHNICAL DATA

- **Application area**
only in dry, indoor rooms
- **Power supply unit**
Power supply: 100 to 240 V
Mains frequency: 50 to 60 Hz
Max. power output: 230 W
- **Drive unit**
Power supply: 24 V
- **Operating conditions**
Temperature: 0 to 50 °C
Air humidity: 15 to 90 %
non-condensing

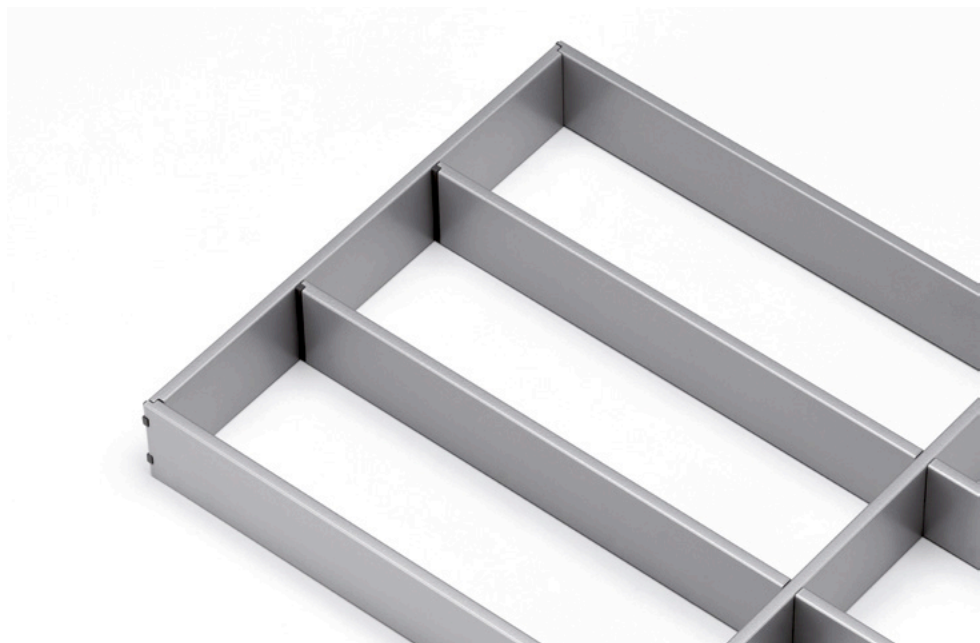
LEGEND

SYNK Synchronisation cable



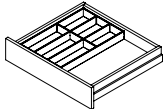
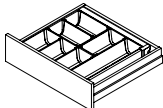
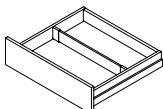
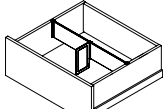
Tavinea Sorto. Simple. Attractive. Tidy.

The high-quality frame elements are made up of 6 mm narrow metal profiles, making the new interior accessory system with its modern graphical design both functional and attractive. In addition, the innovative corner connection of the frames ensures firm attachment to the base and scratch-free positioning at the side walls. Order can also be attractive. Purist, sleek design, matt surfaces, timeless colours – the understated elegance of Tavinea Sorto ensures that drawers look attractive whether in the kitchen, bathroom, living room or bedroom.



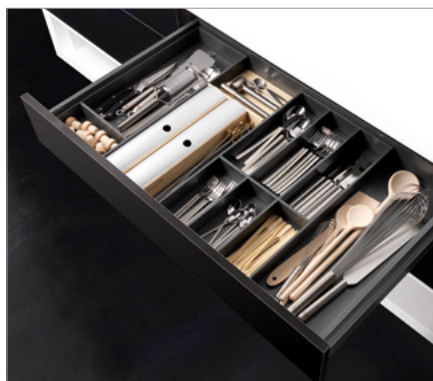
DIVIDING AND ORGANISING SYSTEMS

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

	Product description		Page
	Tavinea Sorto • Modular interior accessory system • Perfect organisation for cutlery and small items • High-quality frames and divider rails made of powder-coated steel		104
	Ino(x)sys for drawers • Perfect organisation for cutlery and small items • Modular extension possible		110
	Drawer divider • Elegant storage space organisation by dividing the drawer • Easy to fit		112
	Tavinea Optima • Dividing system for pot drawers • Organises the storage space for clear and tidy arrangement • Easy installation without tools		114

TAVINEA SORTO

Interior accessory system



- Perfect organisation for cutlery and small items
- High-quality frames and divider rails made of powder-coated steel
- Colour-coordinated
- Innovative anti-slip device ensures firm seating on the base panel

Packaging unit (PU):

201 = 1 unit in a cardboard box

207 = 10 units in a cardboard box

Notes:

- Tavinea Sorto B186 can be used with cabinet widths from 300
- Tavinea Sorto B276 can be used with cabinet widths from 400

ORDER INFORMATION

1 Tavinea Sorto B186 Single item



NL	Stone				Silver							
	Art.-no.	201	207	PU	Art.-no.	201	207	PU				
350	F007130074	201			F007130075	201						
400	F007130078	201			F007130079	201						
450	F007130082	201			F007130083	201						
500	F007130086	201			F007130087	201						
550	F007130090	201			F007130091	201						
600	F007130094	201			F007130095	201						
650	F007130098	201			F007130099	201						

2 Tavinea Sorto B276 Single item



NL	Stone				Silver							
	Art.-no.	201	207	PU	Art.-no.	201	207	PU				
400	F007130050	201			F007130051	201						
450	F007130054	201			F007130055	201						
500	F007130058	201			F007130059	201						
550	F007130062	201			F007130063	201						
600	F007130066	201			F007130067	201						
650	F007130070	201			F007130071	201						

3 Tavinea Sorto divider rail Single item



NL	Stone				Silver							
	Art.-no.	207	201	PU	Art.-no.	207	201	PU				
350	F007130102	207			F007130103	207						
400	F007130106	207			F007130107	207						
450	F007130110	207			F007130111	207						
500	F007130114	207			F007130115	207						
550	F007130118	207			F007130119	207						
600	F007130122	207			F007130123	207						
650	F007130126	207			F007130127	207						

PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Accessories	106
Slides	34	Designer panels	64	Installation information	108
Inset panels	42	Sensomatic	81	Assembly technology	116

1 Tavinea Sorto B186



NL 350



NL 400 - 500

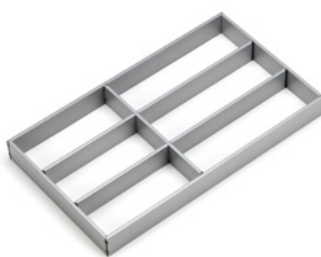


NL 550 - 650

2 Tavinea Sorto B276



NL 400



NL 450 - 500

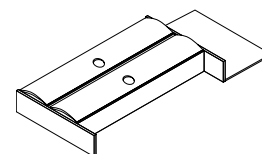
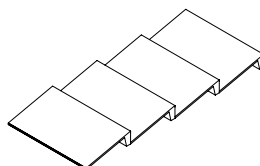
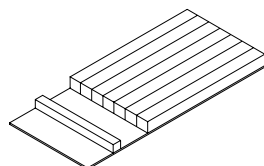


NL 550 - 650

3 Tavinea Sorto divider rail



Tavinea Sorto accessories NL 450 - 550 see page 106

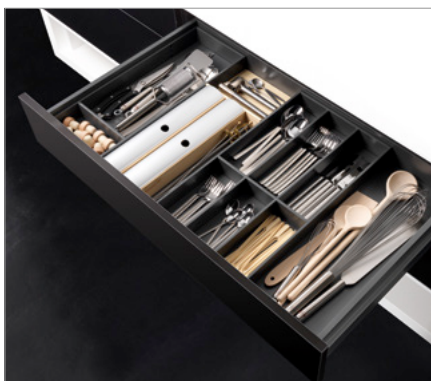


LEGEND

B Width
KB Cabinet width
NL Nominal length

TAVINEA SORTO

Accessories



- The right accessories for all requirements
- Knives, spice jars, cooking foil, cutlery or Eau de Toilette – with Tavinea Sorto accessories, everything has its perfect place
- High-quality materials: Aluminium and solid wood

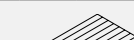
Packaging unit (PU):

201 = 1 unit in a cardboard box

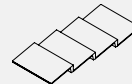
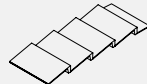
Note:

- Accessories are hygiene-tested and non-toxic

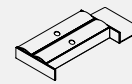
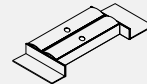
ORDER INFORMATION

1 Knife block Single item						
Material	NL 450	PU	NL 500	PU	NL 550 ¹	PU
Light ash	F007108657	201	F007101990	201	F007101990 F007108659	201
Dark ash	F007108658	201	F007101995	201	F007101995 F007108660	201

¹ NL 550 comprises a knife block and levelling element. Please order both article numbers.

2 Spice rack Single item							
Material				NL 500	PU	NL 550¹	PU
Light ash				F007101992	201	F007101992 F007108659	201
Dark ash				F007101997	201	F007101997 F007108660	201

¹ NL 550 comprises a spice rack and levelling element. Please order both article numbers.

3 Foil holder Single item							
	Material			NL 500	PU	NL 550 ¹	PU
	Light ash			F007101994	201	F007101994 F007108659	201
	Dark ash			F007101999	201	F007101999 F007108660	201

¹ NL 550 comprises a foil holder and levelling element. Please order both article numbers.

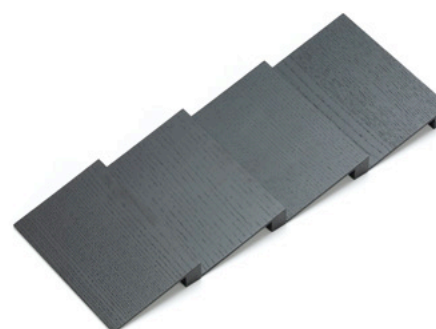
PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Tavinea Sorto	104
Slides	34	Designer panels	64	Installation information	108
Inset panels	42	Sensomatic	81	Assembly technology	116

1 Knife block



2 Spice rack



3 Foil holder



LEGEND

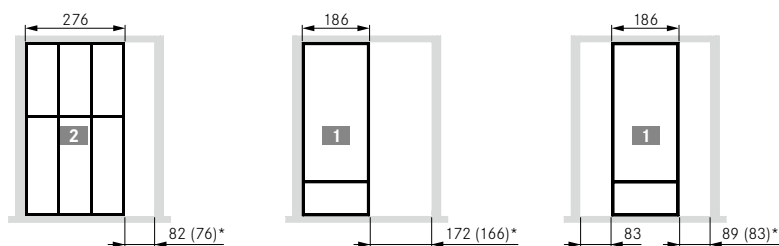
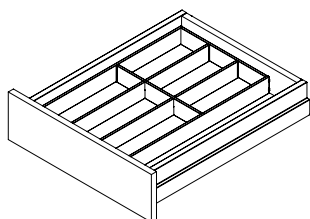
NL Nominal length

TAVINEA SORTO

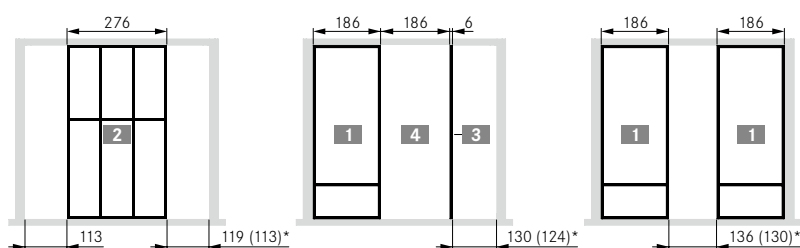
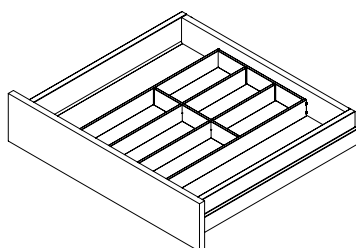
Installation information

APPLICATION EXAMPLES

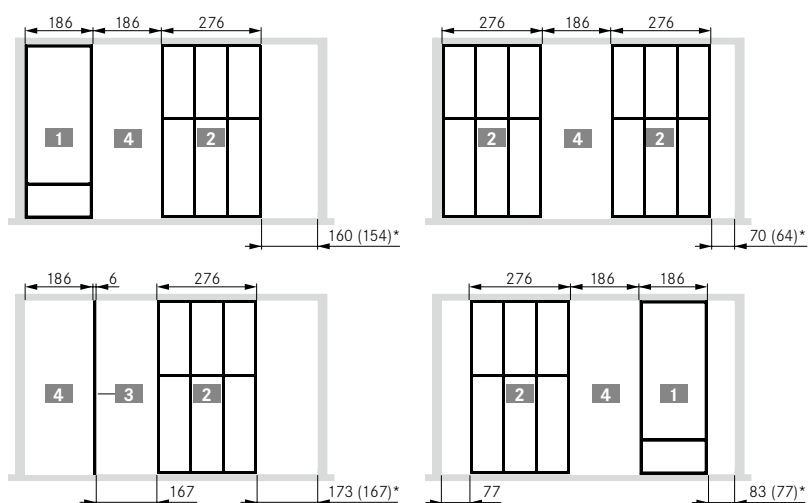
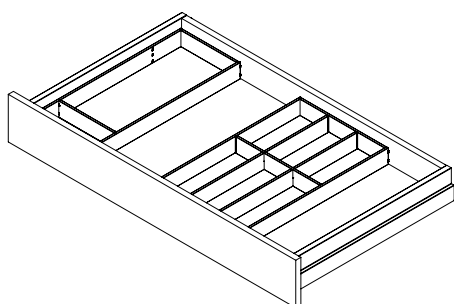
KB 450



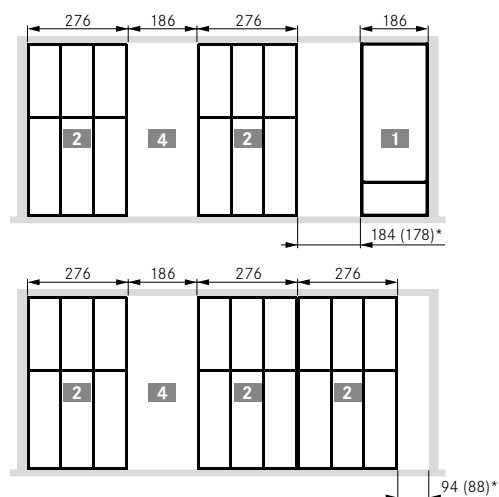
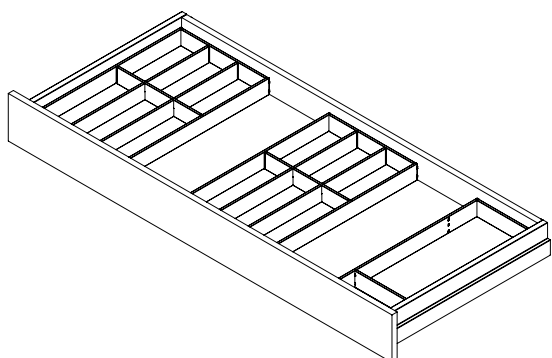
KB 600



KB 900

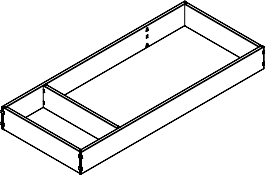
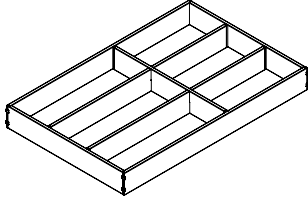
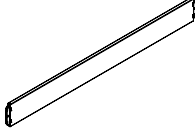
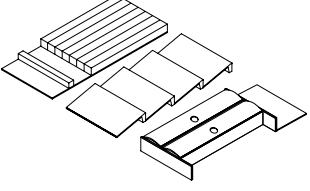


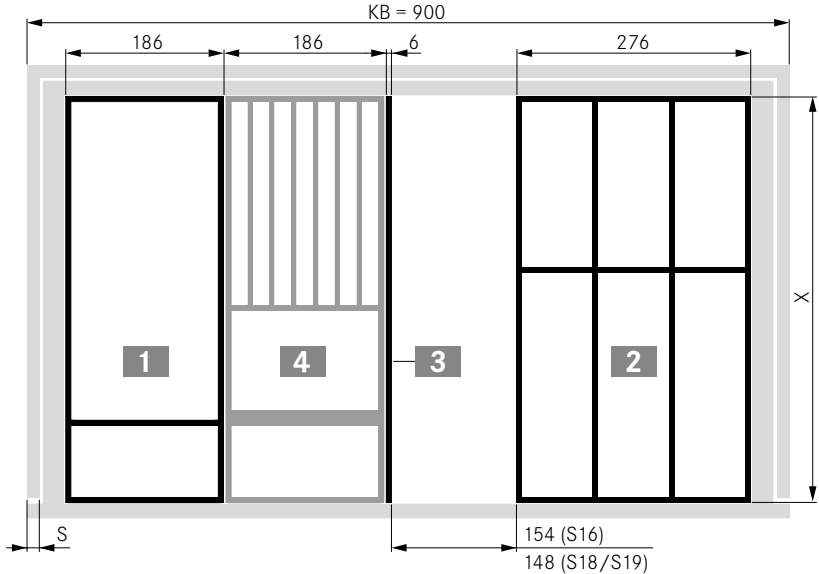
KB 1200



* S16 (S18/S19)

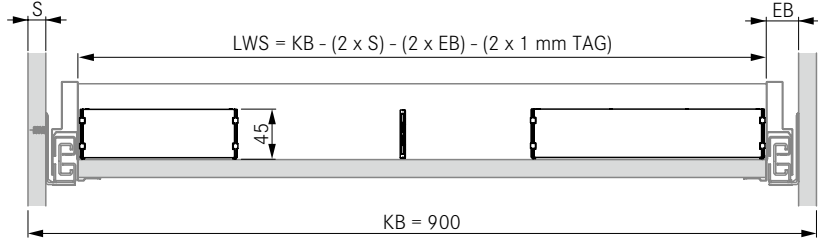
APPLICATION EXAMPLE

Description			
1	2	3	4
			



NL	X
350	329
400	379
450	429
500	479
550	530
600	580
650	630

INSTALLATION INFORMATION

Description											
											
	S/EB	External 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										
		Internal dimension (LWS)									

LEGEND

EB Construction width
KB Cabinet width
LWS Clear drawer width
NL Nominal length

S Cabinet side wall
TAG Tolerance compensation

INO(X)SYS FOR DRAWERS

Organising system



- Perfect organisation for cutlery and small items
- High-quality stainless steel trays
- Modular extension possible
- LGA certified
- Colour coordinated plastic parts

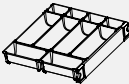
Packaging unit (PU):

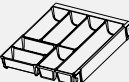
201 = 1 item in a cardboard box

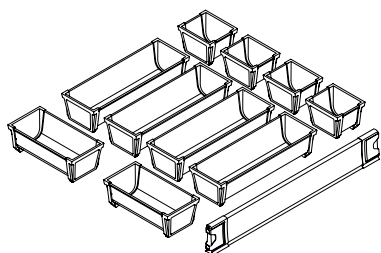
Note:

- Hygiene tested, non-toxic and dishwasher safe

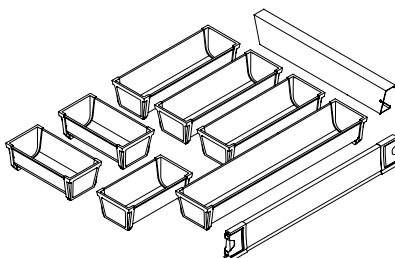
ORDER INFORMATION

1 Ino(x)sys 450/B4 from cabinet width 500 Set																	
NL	Silver																
	Art.-no.	PU															
450	F102066515	201															

2 Ino(x)sys 500/B4 from cabinet width 500 Set																	
NL	Silver																
	Art.-no.	PU															
500	F102066517	201															



Ino(x)sys 450



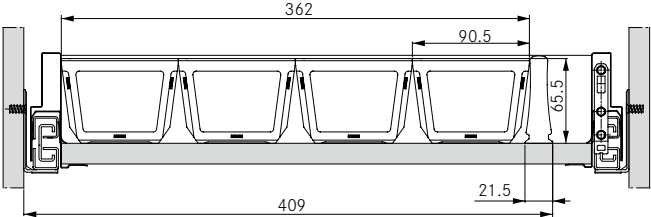
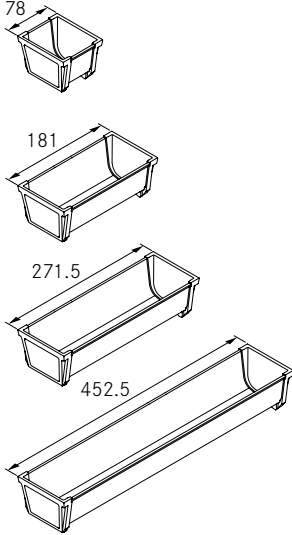
Ino(x)sys 500

PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Assembly technology	116
Slides	34	Designer panels	64	Assembly aids	120
Inset panels	42	Sensomatic	81	Packaging code	127

PLANNING DIMENSIONS

All dimensions in millimetres

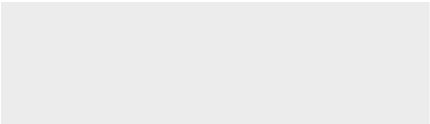
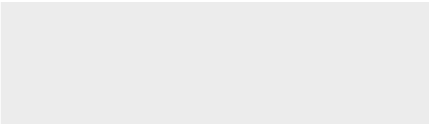
Ino(x)sys B4 from external cabinet width (KB) 500 mm	Ino(x)sys stainless steel trays
	

NOTE



LEGEND

NL	Nominal length
----	----------------



DRAWER DIVIDER

Dividing system



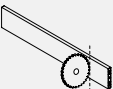
- Elegant storage space organisation by dividing the drawer
- Compensation of the cabinet side thickness with flexible clamping elements
- Aluminium profiles for cutting to length
- Easy to fit
- Tool-free adjustment
- Can be retrofitted at any time
- Colour coordinated

Packaging unit (PU):

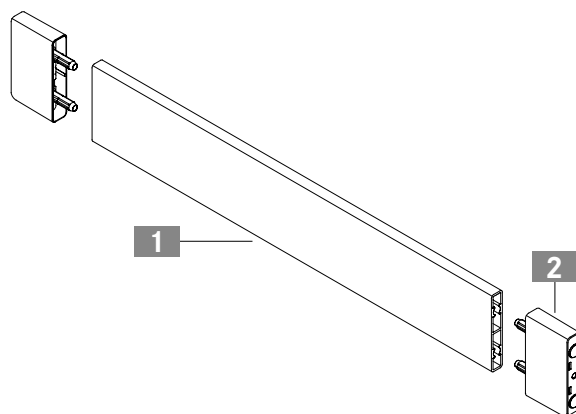
207 = 10 items in a cardboard box

211 = 20 items in a cardboard box

ORDER INFORMATION

1																
Drawer divider aluminium profile, L = 1185 mm																
Single item: For cutting to length																
L	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
1185	F102102943	207			F102102944	207			F102102945	207						

2																
Clamping unit																
Single item: Can be used on left/right																
	Stone				Ice				Silver							
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
	F102102932	211			F102102947	211			F102102948	211						

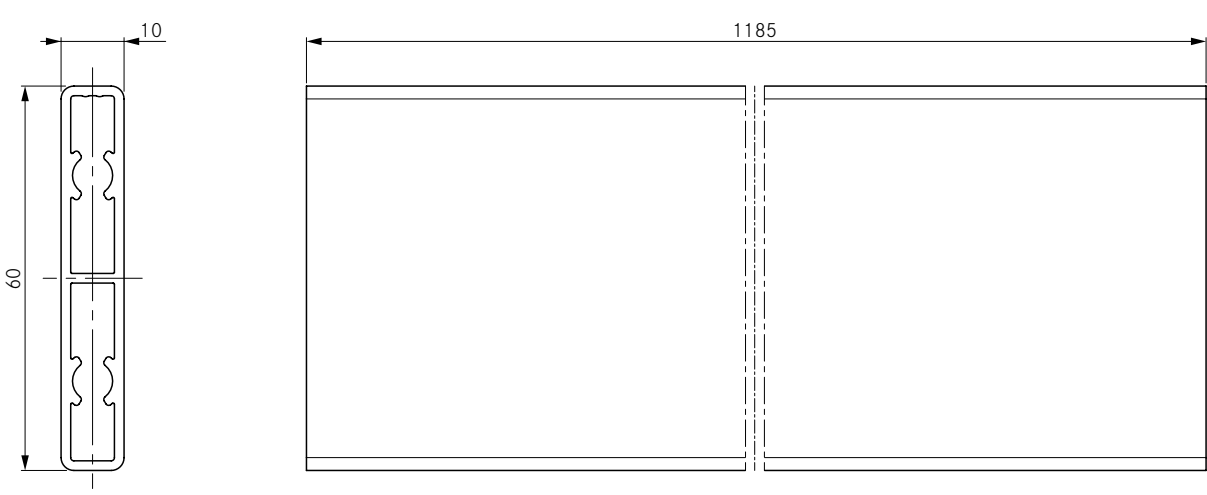
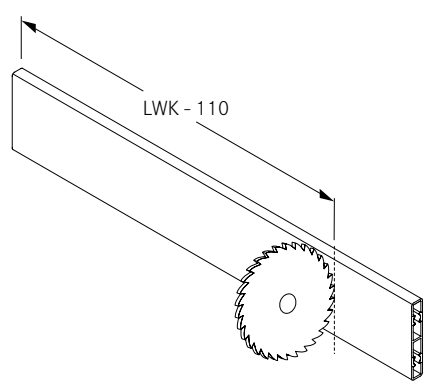


PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Assembly technology	116
Slides	34	Designer panels	64	Assembly aids	120
Inset panels	42	Sensomatic	81	Packaging code	127

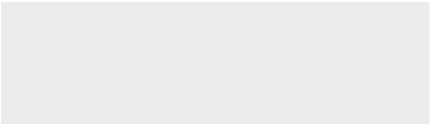
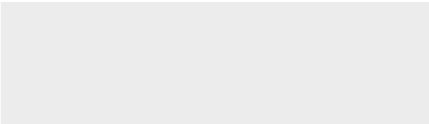
PLANNING DIMENSIONS

All dimensions in millimetres

Aluminium profile	
	
Aluminium profile cutting dimensions	
	

LEGEND

L	Length
LWK	Inside cabinet width



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

Packaging unit (PU):

211 = 20 units in a cardboard box
507 = 10 units in PE in a cardboard box
511 = 20 units in PE in a cardboard box

ORDER INFORMATION

1 Tavinea Optima profile clip Single item: can be used on left/right													
--	--	--	--	--	--	--	--	--	--	--	--	--	--

	Stone				Ice				Silver							
	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU					
	F007130228	511			F007130229	511			F007130230	511						

2 Tavinea Optima Smartboard Single item													
---	--	--	--	--	--	--	--	--	--	--	--	--	--

	Stone				Ice				Silver							
	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU					
	F007130245	211			F007130246	211			F007130247	211						

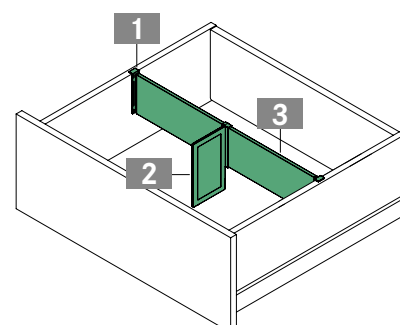
3 Tavinea Optima divider profile Single item: for cutting to length													
---	--	--	--	--	--	--	--	--	--	--	--	--	--

L	Stone				Ice				Silver							
	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU					
1098	F007130234	507			F007130235	507			F007130236	507						

Tavinea Optima Set (KB 600): divider profile, profile clip (2 x) and Smartboard (2 x) Set (KB 900): divider profile, profile clip (2 x) and Smartboard (3 x) Set (KB 1200): divider profile, profile clip (2 x) and Smartboard (4 x)													
--	--	--	--	--	--	--	--	--	--	--	--	--	--

S16	Stone				Ice				Silver							
KB	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU					
600	F007130258	507			F007130272	507			F007130286	507						
900	F007130261	507			F007130275	507			F007130289	507						
1200	F007130264	507			F007130278	507			F007130292	507						

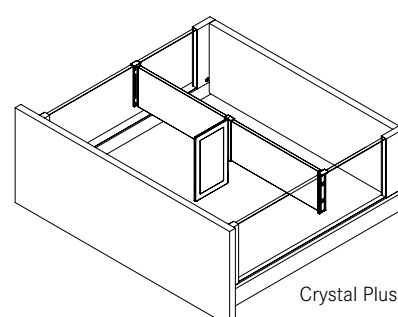
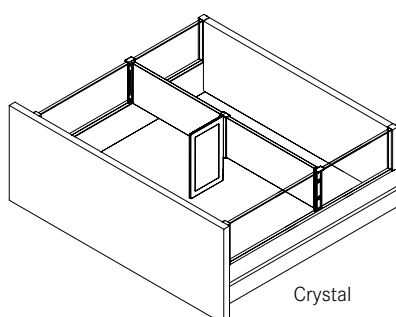
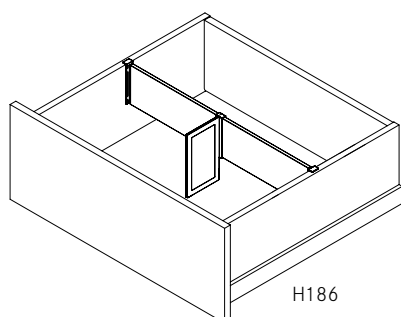
S18/19	Stone				Ice				Silver							
KB	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU					
600	F007130355	507			F007130369	507			F007130383	507						
900	F007130358	507			F007130372	507			F007130386	507						
1200	F007130361	507			F007130375	507			F007130389	507						



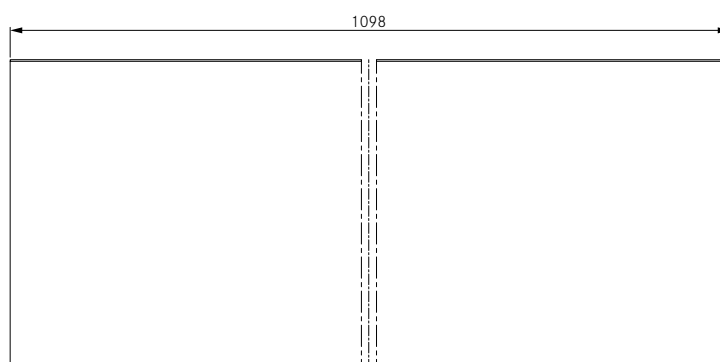
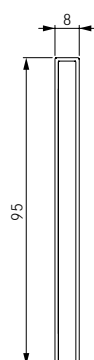
PLANNING DIMENSIONS

All dimensions in millimetres

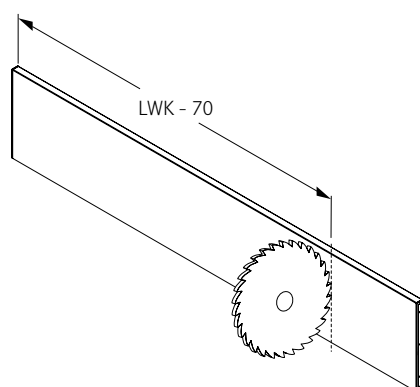
Applications



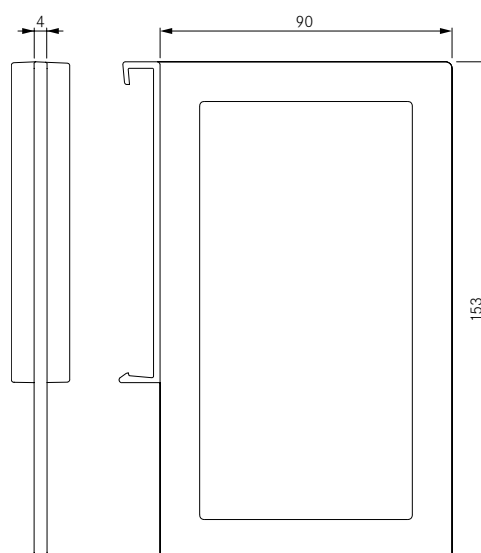
Divider profile



Cutting dimensions, divider profile



Smartboard



LEGEND

L Length
LWK Inside cabinet width

TECMATOR ZP-N-E2

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 and steel back panels – use selection switch to change 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 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 five wooden back panel heights

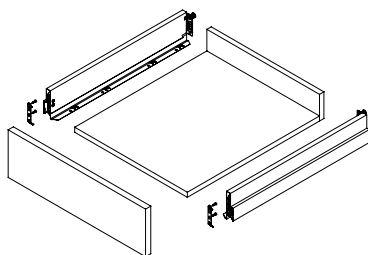
Note:

- Press-in brackets for assembling Nova Pro Deluxe are available on request!

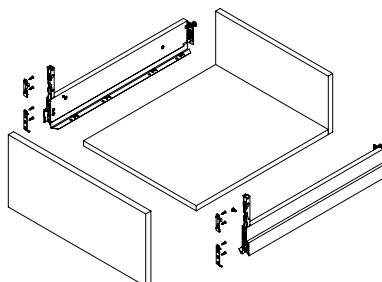
ORDER INFORMATION

Designation	B	Art.-no.	PU
Tecmator ZP-N-E2, type 1.2 m	max. 1.20 m	F146131003	299

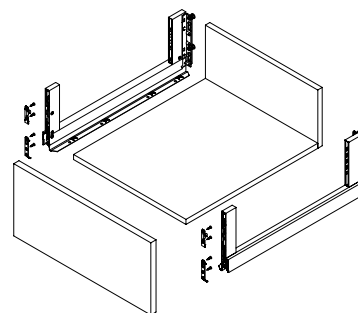
NOVA PRO SCALA H63/H90/H122/H186/H250



NOVA PRO SCALA CRYSTAL



NOVA PRO SCALA CRYSTAL PLUS



PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
Slides	34	Designer panels	64	Organising systems	103
Inset panels	42	Accessories	66	Assembly aids	120

TECHNICAL DATA

Connections	
Pneumatic	min. 6 bar to max. 10 bar

Dimensions	
Width	2.45 m
Depth	1.00 m
Height	2.20 m

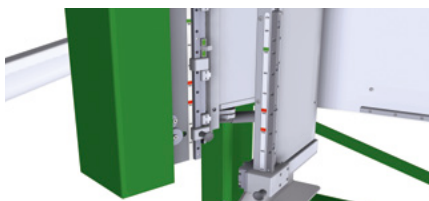
Weight	
ZP-N-E2	220 kg

ADVANTAGES

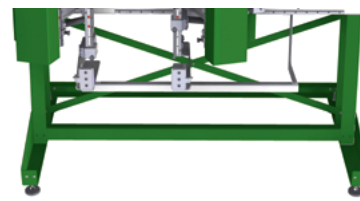
Easy width adjustment thanks to pneumatic clamping



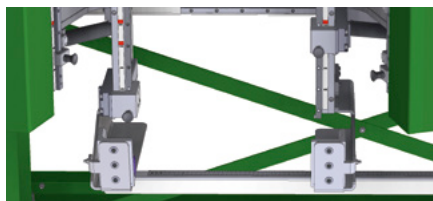
The individual components of the machine can be easily handled



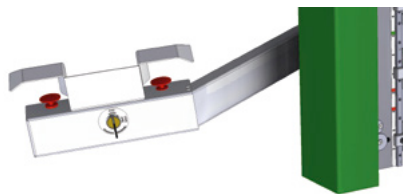
The frame structure ensures excellent stability



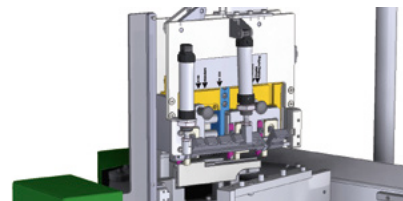
Customised KB settings possible via the wooden back panel



Maximum safety based on two-handed switching

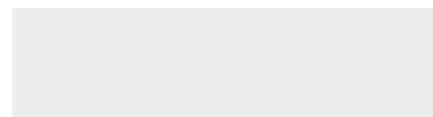
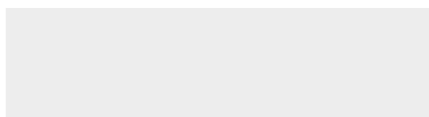


Press aggregate for wooden back panels up to H250 with up to 3 dowels per side



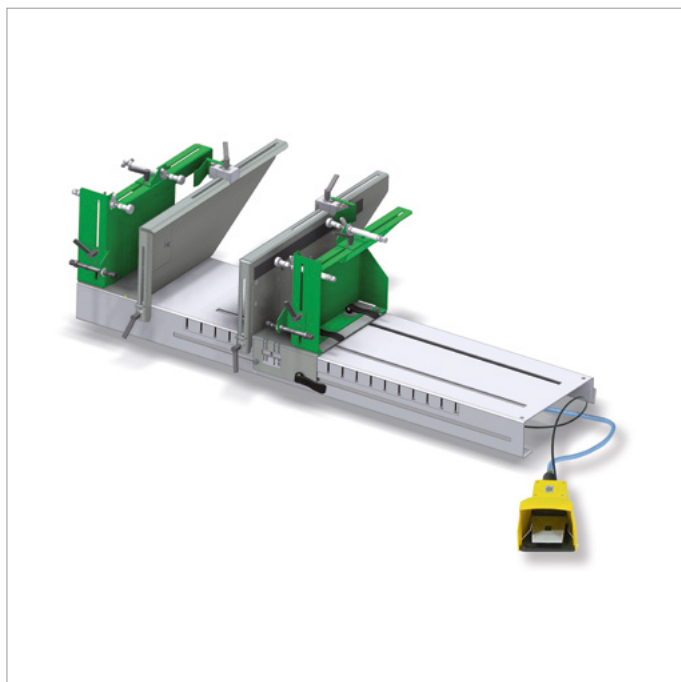
LEGEND

B	Width
KB	Cabinet width



TECMATOR ZMV-TP4

Semi-automatic assembly of regular and pot drawers

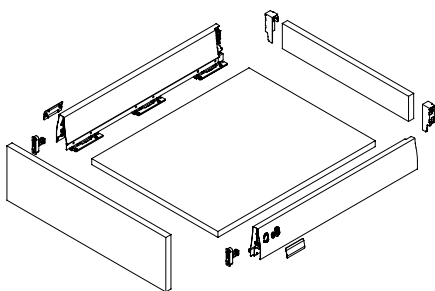


- Pneumatic table unit (up to a drawer width of 250 mm)
- Drawers with an external cabinet width of up to 1200 mm can be processed with the ZMV-TP4
- Easy and straightforward handling
- Sturdy construction
- For small series production
- Pneumatic control system
- High performance

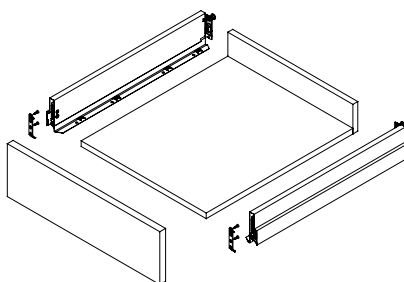
ORDER INFORMATION

Designation	Art.-no.	PU
Tecmator ZMV-TP4	F146108668	201

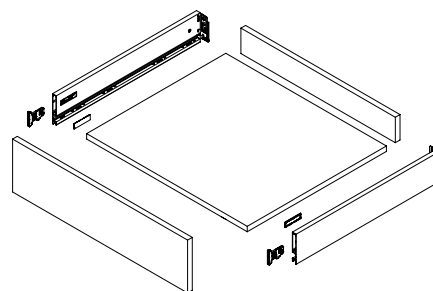
DWD XP



NOVA PRO

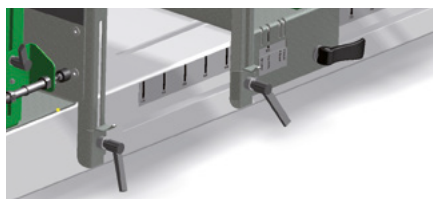


VIONARO

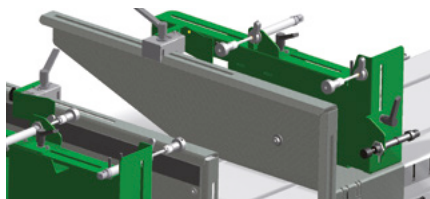


ADVANTAGES

Tool-free setting



Sturdy base frame with pneumatic closing mechanism



All GRASS drawer systems can be processed



PAGE REFERENCES

Drawer sides	13	Steel back panels	58	Sensomatic	81
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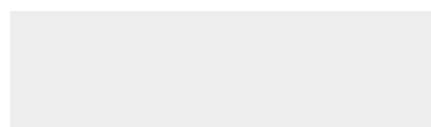
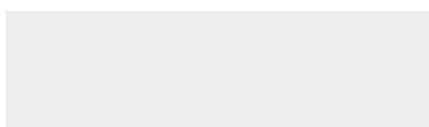
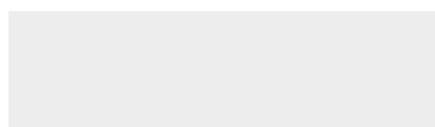
TECHNICAL DATA

Connections	
Pneumatic	6 bar

Dimensions	
Width	1.62 m
Depth	0.90 m
Height	0.50 m

Weight	
ZMV-TP4	65 kg

LEGEND



ASSEMBLY AIDS

Nova Pro Scala



DRAWER CLAMP

For easy assembly of drawers and pull-outs up to a cabinet width of 1200 mm.
Can be used for all drawer side heights.

	Art.-no.	PU
Drawer clamp	F146108833	201

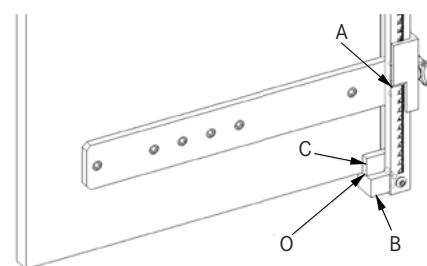


DRILLING JIG FOR CABINET RAIL

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



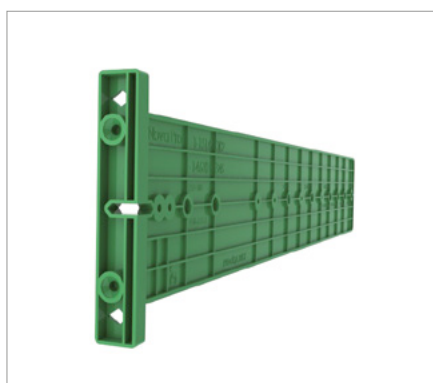
	Art.-no.	PU
Drilling jig	F146094730	501



INDIVIDUAL MARKING ELEMENT

For extending the drilling jig for cabinet member F146094730.

	Art.-no.	PU
Marking element	F146094721	299



DRILLING JIG FOR CABINET RAIL

For use with pilot drill bit F146035692.

	Art.-no.	PU
Drilling jig	F146101346	507

PAGE REFERENCES

Drawer sides	13
Slides	34
Inset panels	42

Steel back panels	58
Designer panels	64
Accessories	66

Sensomatic	81
Organising systems	103
Assembly technology	116



WOOD DRILL BIT Ø 5 MM WITH STOP RING

Use for pre-drilling holes for Euro screws.

- Ø 5 mm
- Length 75 mm
- with stop ring

	Art.-no.	PU
Wood drill	F146092594	501



DRILLING JIG SET

Drilling jig for front-bottom connector.
For drilling the bottom panel of extra-wide drawers when using the GRASS front-bottom connector.

One set includes:

- Drilling jig (1x)
- Marking jig (1x)
- Drill bits Ø 8 mm and Ø 15 mm (1 each)
- Drilling machine bit (1x)
- Allen key 3 mm (1x)
- Allen key 4 mm (1x)



	Art.-no.	PU
Drilling jig set	F146094770	299
Front-bottom connector	F148026744	107
Spare drill bit Ø 8 mm	F146094755	299
Spare drill bit Ø 15 mm	F146094757	299

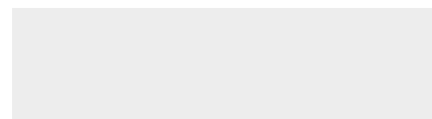
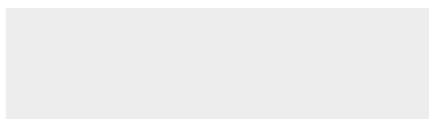
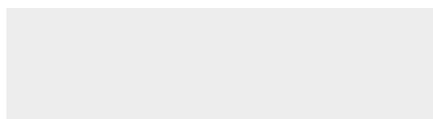


DRILLING JIG FOR SENSOMATIC

For pre-drilling the holes for fixing brackets at the assembled cabinet or loose bottom or top panel, for the Sensomatic system.

	Art.-no.	PU
Drilling jig	F146109850	299

LEGEND



ASSEMBLY AIDS

Nova Pro Scala



MARKING JIG SET

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

	Art.-no.	PU
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

	Art.-no.	PU
Front drilling jig	F146130983	201



FRONT DRILLING JIG FOR F8 INSET PANEL

For pre-drilling the F8 inset panel

	Art.-no.	PU
Front drilling jig	F146102908	201



PUNCH-IN TOOL FOR INSTALLATION HOOKS

Position and knock in the installation hook for the Nova Pro Scala H63, H90, H122, H186, Crystal and Crystal Plus.

	Art.-no.	PU
Nova Pro Scala H63	F146094035	501
Nova Pro Scala H90/H122/H186	F146091555	501
Crystal/Crystal Plus		

PAGE REFERENCES

Drawer sides	13
Slides	34
Inset panels	42

Steel back panels	58
Designer panels	64
Accessories	66

Sensomatic	81
Organising systems	103
Assembly technology	116



**PUNCH-IN TOOL
FRONT CLIP**

Position and knock in the front clip for Nova Pro Scala H186, Crystal and Crystal Plus.

	Art.-no.	PU
Punch-in tool for front clip	F146102472	101



**PUNCH-IN TOOL
RAILING CLIP**

Position and knock in the railing clip for press-fitting Nova Pro Scala.

	Art.-no.	PU
Punch-in tool for railing clip	F146102473	101



**PUNCH-IN TOOL
FRONT-BOTTOM CONNECTOR**

Position and knock in the front-bottom connector.

	Art.-no.	PU
Punch-in tool for front-bottom connector	F146083271	101

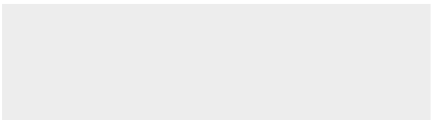
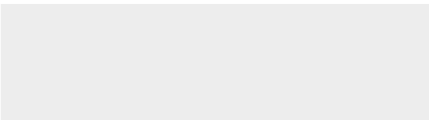
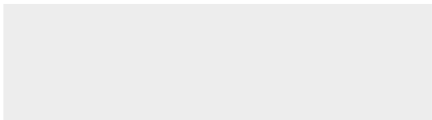


PILOT DRILL BIT

The pilot drill bit is used for pre-drilling holes for countersunk chipboard screws Ø 3.5 mm.

	Art.-no.	PU
Pilot drill bit	F146035692	299

LEGEND





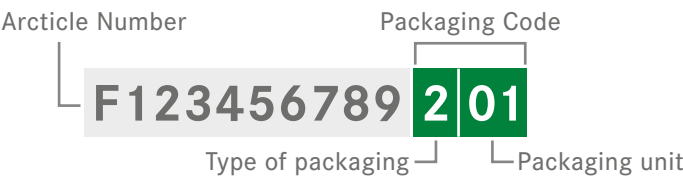
Lined writing area with horizontal lines.



Lined writing area with horizontal lines.

PACKAGING CODE

Explanation



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
328	150 units in reusable packaging (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)



GRASS GmbH
Movement Systems
Grass Platz 1
6973 Höchst, Austria
T +43 5578 701-0
F +43 5578 701-59
info@grass.eu



www.grass.eu

The image shows a business card or brochure layout for FFA (Fittings for Africa). It features a red map of Africa with a black silhouette of a person holding a wrench. The text 'FFA' is prominently displayed in a bold, black, sans-serif font, with 'FITTINGS FOR AFRICA' in a smaller font below it. To the right, the name 'Hein' is written in a red script font, followed by the phone number '082 553 4502'. Below this, a black bar contains the text 'HANDLES - KNOBS - SINKS - MIXERS - HINGES' in white. At the bottom, the address '21 Zune Street, Magnavia, Polokwane' is listed on the left, and the phone number 'Tel: 015 004 0198' and email 'heloenterprises1@gmail.com' are on the right.

Status: 11/2018

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