



G*GRASS®

VIONARO DRAWER SYSTEM

The cubist drawer system with a minimalist design combines the Dynapro slide system with a luxury look.





Perfect design needs no more than 13 millimetres.
Vionaro – the slim-line classic design of tomorrow.

A constant reminder. Make sure your customers don't forget you.

We integrate your logo discreetly but noticeably into the stylish Vionaro drawer side design.

You have the choice between durable and abrasion-resistant laser branding and a branding clip. This is a slim-line plastic clip in three colours that is easily added.



A clear form, a slim-line design and the highest quality materials – the pure elegance of Vionaro makes furniture look equally good in the kitchen, living room and bedroom.



Stylishly confident selection.

The elegant Vionaro drawer side is available in the colours snow white, silver grey and graphite.

Vionaro is a source of inspiration for living trends.

When you open the innovative Vionaro drawer system you are standing in front of a movement system vision that has come to life. Two purist twin-wall drawer sides made of steel, a back panel and a front. That's it. It's hard to imagine more lightness and awareness. It means that furniture design can be reinvented every day. Sensual surfaces. Breathtaking linearity. Technology that has proven its worth millions of times over. Vionaro sparks the enthusiasm of designers and end users alike.



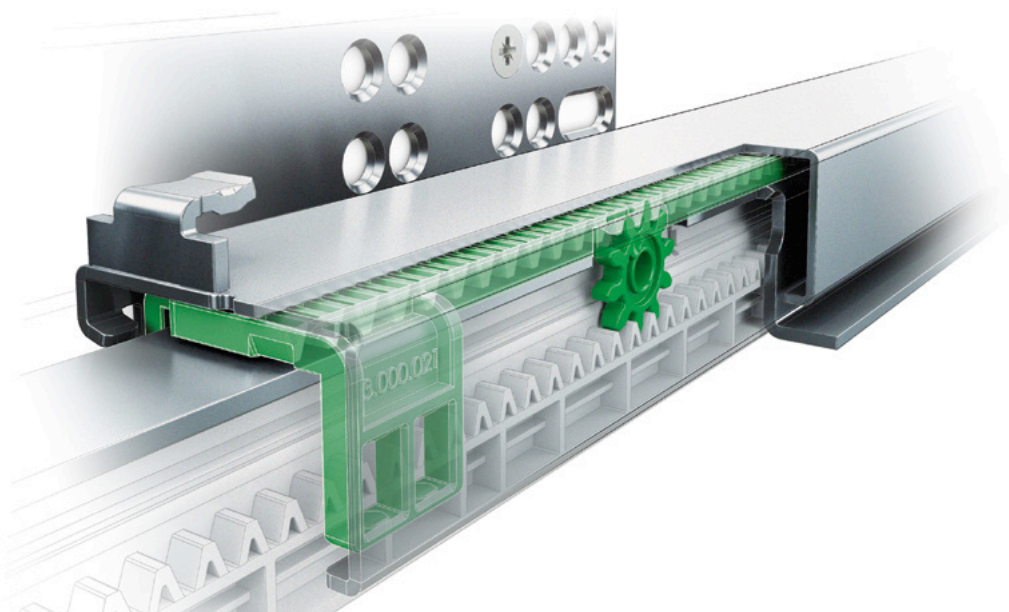
**reddot award 2014
winner**



Compact and cleverly designed.
A smart solution. Vionaro features
the best of Dynapro.

Cleverly attached.

A slide for wooden drawers as well as Vionaro in steel. With Dynapro, the track-proven GRASS concealed slide, Vionaro uses the same basis previously employed for wooden drawers.



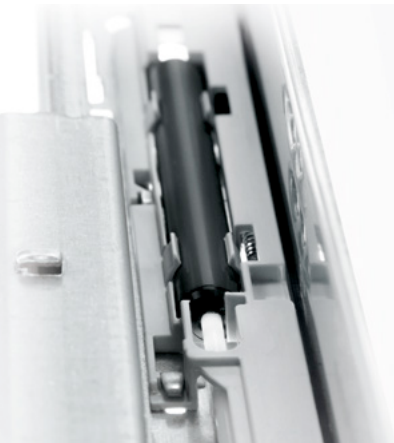
Intelligent front holder.

Systematic stability: The front stabiliser integrated into the Vionaro drawer side permits the installation of high fronts up to 780 mm – without any railing at all.



VIONARO DRAWER SYSTEM

With Vionaro a superlative movement system makes its appearance on the stage of living and kitchen spaces – a logical consequence in the consistent development of pioneering GRASS solutions.



Vionaro combines the concealed slide system with perfected design in an extremely slim-line form. In this way it was possible to turn the red dot award winner Dynapro into a multifunctional system solution; when combined with Vionaro the synchronised concealed slide system with its high bearing capacity and low extension resistance becomes an ideal drawer system for modern living environments.

Vionaro combines functional technology with perfect form.



Good to know the movement is not only technically functional, but also extremely comfortable. Opening and closing is an experience every time.

It was never easier to open drawers. And it was never more satisfying to close them. The GRASS comfort systems and our movement solutions complement each other to form a harmonious multi-functional unit. We want to combine the advantages of handle-free opening with the elegance of damped closing, as the combination of these exceptional functions guarantees the highest possible level of operating comfort.

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



TIPMATIC OPENING SYSTEMS

Mechanical opening of regular and pot drawers.

Tipmatic offers optimum design options for stylish designer furniture. The touch-activated mechanism and synchronisation option enables the installation of large, handle-free fronts that open when gently tapped.

The new Tipmatic Soft-close opening system combines the advantages of mechanical opening with the comfort of the track-proven Soft-close damping, and with the 3-stage opening force adjustment ensures elegant motion 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. Because closing 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 drawers for maximum operating comfort.

Action. Reaction. Interaction. Comfort cannot be more fascinating. Thanks to Sensomatic's automatic touch-sensitive function, a gentle trigger is enough to initiate the movement of regular and pot drawers with handle-free fronts.





Cleverly designed down to the last detail.
For optimum processing convenience.

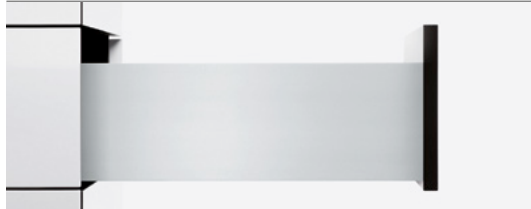
Our passion for first-class workmanship is evidenced in the detail. The drawer sides can be easily connected to the bottom panel with the unique patented GRASS knock-in spike technology – without the need for additional milled grooves. The back panels can be quickly and simply fitted with the back panel connection integrated into the drawer side. The easy-to-use 3D adjustment feature inside the drawer side as well as the optional depth adjustment ensures optimum front alignment.

**Discover the many special features
that Vionaro has to offer.**



VIONARO DRAWER SYSTEM

Vionaro – the cubist drawer system
with a sleek, minimalist design.



VIONARO DRAWER SYSTEM

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The ideal form is simple and clear:
Vionaro – the slim-line classic design of tomorrow.



DYNAPRO TIPMATIC SOFT-CLOSE

28

Mechanical opening system
for handle-free fronts.



VIONARO SENSOMATIC

51

Electro-mechanical opening system
for regular and pot drawers.



DIVIDING AND ORGANISING SYSTEMS

69

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

ASSEMBLY TECHNOLOGY

80

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



Vionaro – perceptibly unique.
Brilliant surfaces without any seams or grooves
show that these super-slim drawer sides
are made of a single section.

**The ideal addition.
As compelling on the inside
as on the outside.**

Contemporary design is continued
on the inside. For example with the
perfectly colour-coordinated aluminium
front panel for the inset drawers with
a side wall depth of 89 and 121 mm
or the inset drawer with a height of
185 mm. Visual harmony for even
more storage space.



VIONARO DRAWER SYSTEM

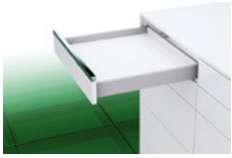
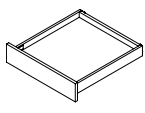
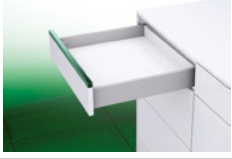
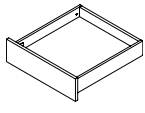
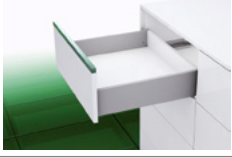
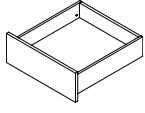
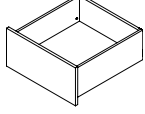
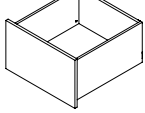
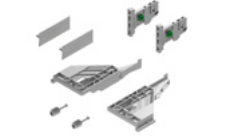
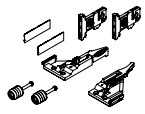
The ideal form is simple and clear:
Vionaro – the slim-line classic design of tomorrow.

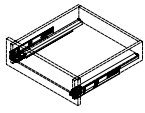
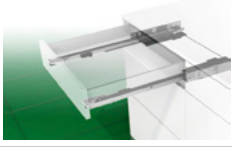
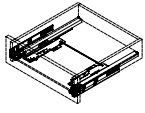
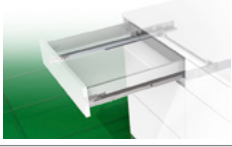
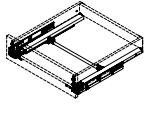
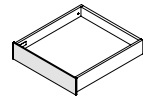
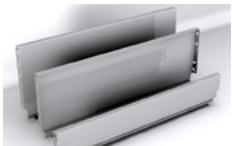
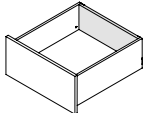
Product designation	Page
Drawer H63	14
Drawer H89	16
Drawer H121	18
Pot drawer H185	20
Pot drawer H249	22
Accessories – individual components	24
Dynapro full extension slide 40/70 kg Soft-close	26
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Steel back panels	40

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Assembly technology	80
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VIONARO DRAWER SYSTEM

The ideal form is simple and clear:
Vionaro – the slim-line classic design of tomorrow.

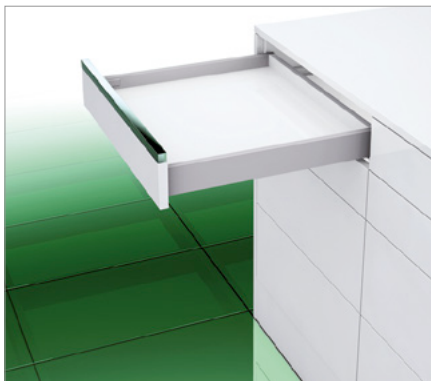
	Product description		Page
	Drawer H63 • 4-dimensional adjustment (side, height, tilt angle and depth adjustment) • 90° straight interior and exterior sides • Slim 13 mm drawer side width		14
	Drawer H89 • 4-dimensional adjustment (side, height, tilt angle and depth adjustment) • 90° straight interior and exterior sides • Slim 13 mm drawer side width		16
	Drawer H121 • 4-dimensional adjustment (side, height, tilt angle and depth adjustment) • 90° straight interior and exterior sides • Slim 13 mm drawer side width		18
	Pot drawer H185 • 4-dimensional adjustment (side, height, tilt angle and depth adjustment) • 90° straight interior and exterior sides • Slim 13 mm drawer side width		20
	Pot drawer H249 • 4-dimensional adjustment (side, height, tilt angle and depth adjustment) • 90° straight interior and exterior sides • Slim 13 mm drawer side width		22
	Accessories – individual components • Components of the accessory sets can only be ordered later or as single components		24

	Product description		Page
	Dynapro full extension slide 40/70 kg Soft-close • Full extension slide, synchronised • Soft-close damping system • Excellent running characteristics		26
	Dynapro full extension slide 40/70 kg Tipmatic Soft-close • Full extension slide, synchronised • Combines Tipmatic function with Soft-close damping • Excellent running characteristics		28
	Dynapro full extension slide 40/60 kg Tipmatic • Tipmatic full extension slide • Tipmatic element integrated into the slide • Excellent running characteristics		30
	Inset panels • Colour-coordinated aluminium front panel • High-quality design with smooth inside and outside surfaces • Available in the heights H89, H121 and H185		32
	Steel back panels • Steel back panels for regular and pot drawers • Colour coordinated • In the heights H89 and H185		40

	Technical information	42
	Assembly technology	80
	Assembly aids	84

VIONARO

Drawer H63



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Depth adjustment is optional
- 90° straight interior and exterior sides
- Slim 13 mm drawer side width
- Tool-free front assembly
- Bottom panel machining not required

Packaging unit (PU):

201 = 1 unit in cardboard box

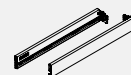
(smallest PU = 5 units)

211 = 20 units in a cardboard box

517 = 50 units in PE in a cardboard box

ORDER INFORMATION

1 Vionaro drawer sides H63 Set: One left, one right



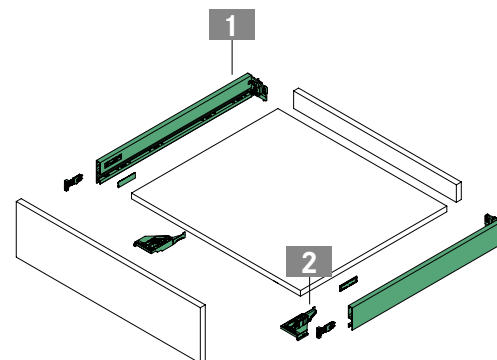
NL	Aluminium											
	Silver grey				Graphite				Snow white			
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU		
400	F135124868	201	211		F135106018	201	211		F135106218	201	211	
450	F135124874	201	211		F135106024	201	211		F135106224	201	211	
500	F135124880	201	211		F135106030	201	211		F135106230	201	211	
550	F135124886	201	211		F135106036	201	211		F135106236	201	211	

2 Vionaro accessories for H63 Set: Cover cap (inside), front locking device and front holder, one of each left/right



Description	Silver grey				Graphite				Snow white			
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU		
For screw fixing	F136101003	517			F136101004	517			F136101005	517		

Dynapro slides from page 26



PAGE REFERENCES

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Technical information	42	Assembly technology	80		

PLANNING DIMENSIONS

All dimensions in millimetres

Front installation dimensions LWK $RWB = LWK - 42$ min. RWB = 120 mm 37 min. 47 8.5 63 15.5 $BB = LWK - 21$ FAS 14.5 23.5 20 33 16 $\varnothing 3.5 \times 20$ $\varnothing 3.5 \times 15$	Back panel installation dimensions 42 $\varnothing 3.5 \times 15$ 16 33 16	Cutting dimensions for 16 mm chipboard $RWB = LWK - 42$ RW 33 RWH B $BL = NL - 11$ $BB = LWK - 21$
Minimum installation depth 37 $MET = NL + 3$	Screw connection, back panel (KB ≥ 275) $\varnothing 3 \times 40$ 70 70	Screw connection, back panel (KB ≥ 600) $\varnothing 3 \times 40$ 70 70
Fixing positions for full extension slide KV 18 9 23 9 10 12 28 37 28 37 400 - 450 500 550 4 352 288 256 224 192 32 0 $MET = NL + 3$ 40 kg Euro screw $\varnothing 6.3 \times 14$ mm Chipboard screw $\varnothing 4 \times 16$ mm Screw head $\varnothing 7$ mm KV 10 28 37 450 500 - 550 4 352 343 288 279 247 224 128 32 0 $MET = NL + 3$ 70 kg		

LEGEND

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

VIONARO

Drawer H89



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Depth adjustment is optional
- 90° straight interior and exterior sides
- Slim 13 mm drawer side width
- Tool-free front assembly
- Bottom panel machining not required

Packaging unit (PU):

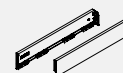
201 = 1 unit in cardboard box
(smallest PU = 5 units)

211 = 20 units in a cardboard box

517 = 50 units in PE in a cardboard box

ORDER INFORMATION

1 Vionaro drawer sides H89 Set: One left, one right



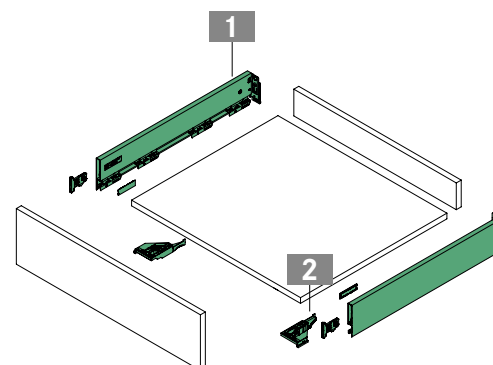
NL	Steel											
	Silver grey				Graphite				Snow white			
	Art.-no.	201	211	PU	Art.-no.	201	211	PU	Art.-no.	201	211	PU
270	F135119057	201	211		F135119303	201	211		F135120603	201	211	
300	F135119060	201	211		F135119306	201	211		F135120606	201	211	
350	F135119066	201	211		F135119312	201	211		F135120612	201	211	
400	F135119072	201	211		F135119318	201	211		F135120618	201	211	
450	F135119078	201	211		F135119324	201	211		F135120624	201	211	
500	F135119084	201	211		F135119333	201	211		F135120633	201	211	
550	F135119090	201	211		F135119342	201	211		F135120642	201	211	
600	F135119096	201	211		F135119351	201	211		F135120651	201	211	
650	F135119099	201	211		F135119400	201	211		F135120654	201	211	

2 Vionaro accessories for H89/H121 Set: Cover cap (inside), front locking device and front holder, one of each left/right



	Description	Silver grey				Graphite				Snow white			
		Art.-no.	517	PU		Art.-no.	517	PU		Art.-no.	517	PU	
	For screw fixing	F136100121	517			F136100123	517			F136100125	517		
	Expansion dowel Ø 8 mm	F136100122	517			F136100124	517			F136100126	517		

Dynapro slides from page 26



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PLANNING DIMENSIONS

All dimensions in millimetres

Front installation dimensions	Back panel installation dimensions	Cutting dimensions for 16 mm chipboard
Minimum installation depth	Screw connection, back panel (KB ≥ 275)	Screw connection, back panel (KB ≥ 600)
Fixing positions for full extension slide		
		Euro screw Ø 6.3 x 14 mm Chipboard screw Ø 4 x 16 mm Screw head Ø 7 mm

LEGEND

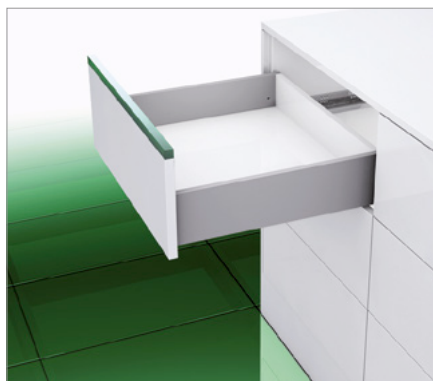
B/BB Bottom panel/bottom panel width
BL Bottom panel length
FAS Front overlay, side
FST Front overlay

KB Cabinet width
KV Front edge of cabinet
LWK Inside cabinet width
MET Minimum installation depth

NL Nominal length
RW Back panel
RWB Width of back panel
RWH Height of back panel

VIONARO

Drawer H121



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Depth adjustment is optional
- 90° straight interior and exterior sides
- Slim 13 mm drawer side width
- Tool-free front assembly
- Bottom panel machining not required

Packaging unit (PU):

201 = 1 unit in cardboard box

(smallest PU = 5 units)

207 = 10 units in a cardboard box

517 = 50 units in PE in a cardboard box

ORDER INFORMATION

1 Vionaro drawer sides H121 Set: One left, one right



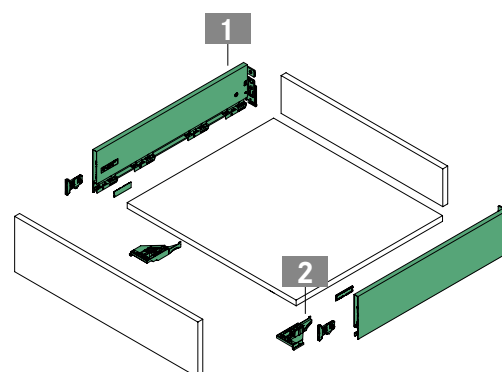
NL	Steel											
	Silver grey				Graphite				Snow white			
	Art.-no.	201	207	PU	Art.-no.	201	207	PU	Art.-no.	201	207	PU
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400	F135124118	201	207		F135124218	201	207		F135124318	201	207	
450	F135124124	201	207		F135124224	201	207		F135124324	201	207	
500	F135124130	201	207		F135124230	201	207		F135124330	201	207	
550	F135124136	201	207		F135124236	201	207		F135124336	201	207	

2 Vionaro accessories for H89/H121 Set: Cover cap (inside), front locking device and front holder, one of each left/right



Description	Silver grey				Graphite				Snow white			
	Art.-no.	201	207	PU	Art.-no.	201	207	PU	Art.-no.	201	207	PU
For screw fixing	F136100121	517			F136100123	517			F136100125	517		
Expansion dowel Ø 8 mm	F136100122	517			F136100124	517			F136100126	517		

Dynapro slides from page 26

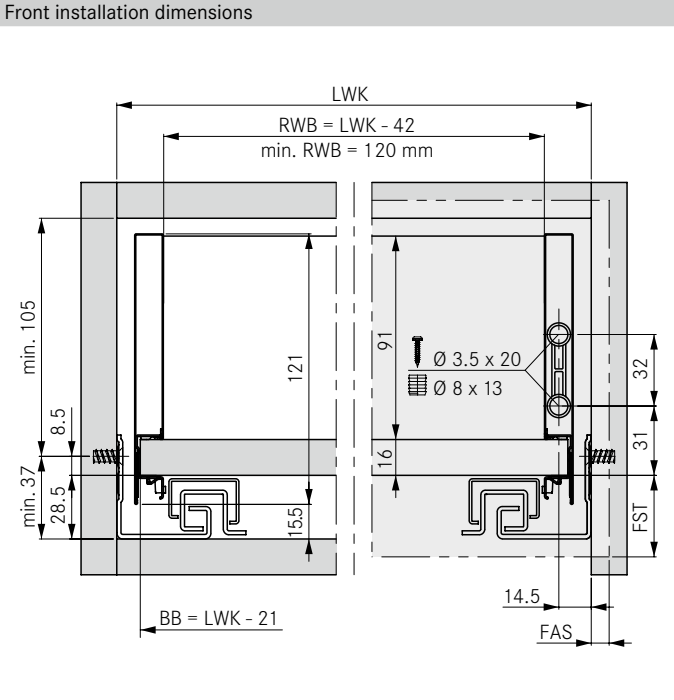
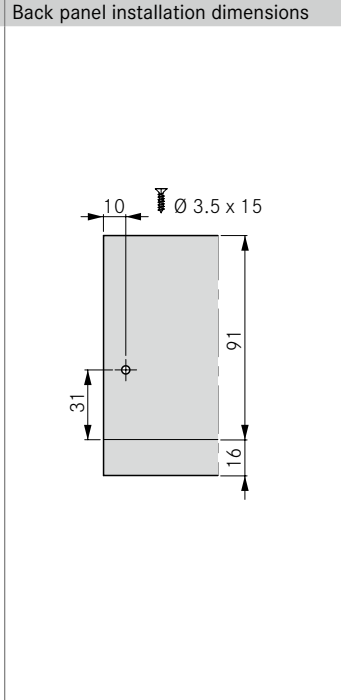
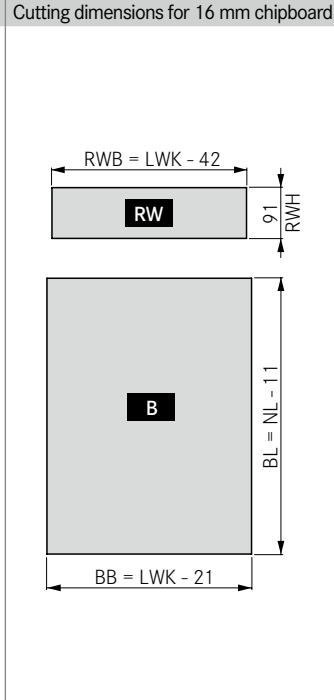
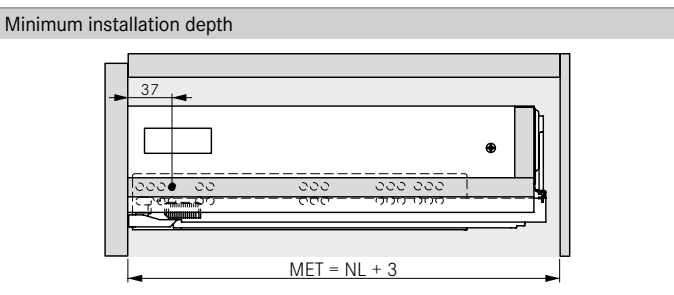
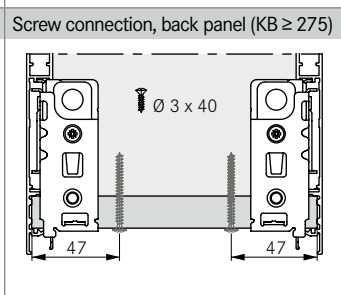
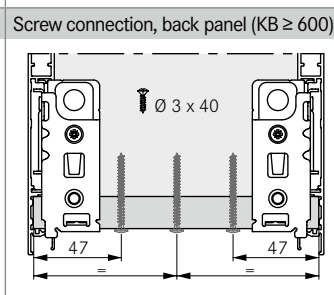
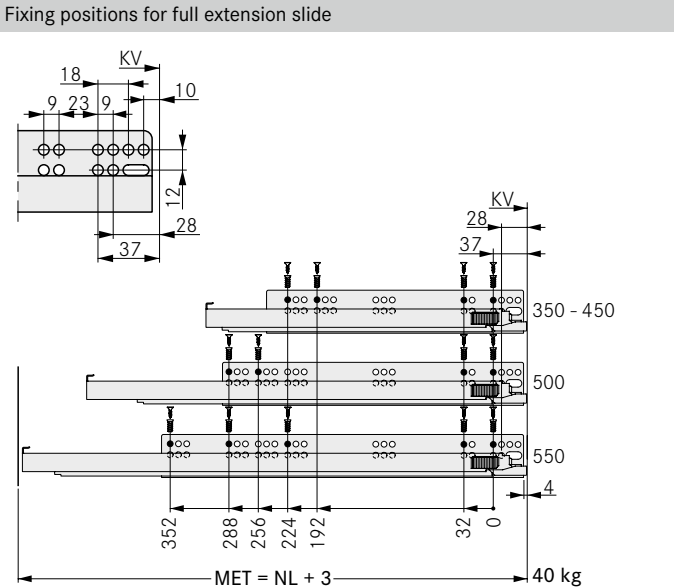
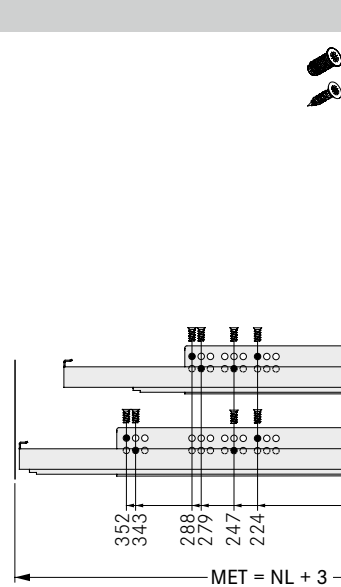
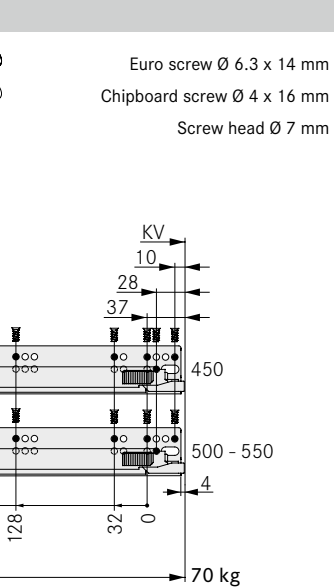


PAGE REFERENCES

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Slides	26	Sensomatic	51	Assembly aids	84
Inset panels	36	Organising systems	69	Packaging code	91

PLANNING DIMENSIONS

All dimensions in millimetres

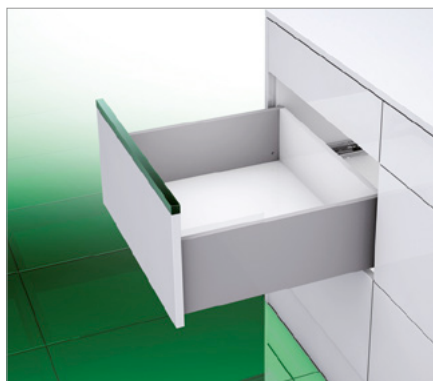
Front installation dimensions 	Back panel installation dimensions 	Cutting dimensions for 16 mm chipboard 
Minimum installation depth 	Screw connection, back panel (KB ≥ 275) 	Screw connection, back panel (KB ≥ 600) 
Fixing positions for full extension slide		
		Euro screw Ø 6.3 x 14 mm Chipboard screw Ø 4 x 16 mm Screw head Ø 7 mm 

LEGEND

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

VIONARO

Pot drawer H185



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Depth adjustment is optional
- 90° straight interior and exterior sides
- Slim 13 mm drawer side width
- Tool-free front assembly
- Bottom panel machining not required
- Integrated front stabiliser for high fronts

Packaging unit (PU):

201 = 1 unit in cardboard box

(smallest PU = 5 units)

207 = 10 units in a cardboard box

517 = 50 units in PE in a cardboard box

ORDER INFORMATION

1 Vionaro drawer sides H185

Set: One left, one right



NL	Steel											
	Silver grey				Graphite				Snow white			
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU		
270	F135119203	201	207		F135119412	201	207		F135120803	201	207	
300	F135119206	201	207		F135119415	201	207		F135120806	201	207	
350	F135119212	201	207		F135119421	201	207		F135120812	201	207	
400	F135119218	201	207		F135119427	201	207		F135120818	201	207	
450	F135119224	201	207		F135119433	201	207		F135120824	201	207	
500	F135119230	201	207		F135119442	201	207		F135120833	201	207	
550	F135119236	201	207		F135119451	201	207		F135120842	201	207	
600	F135119242	201	207		F135119460	201	207		F135120851	201	207	
650	F135119245	201	207		F135119463	201	207		F135120854	201	207	

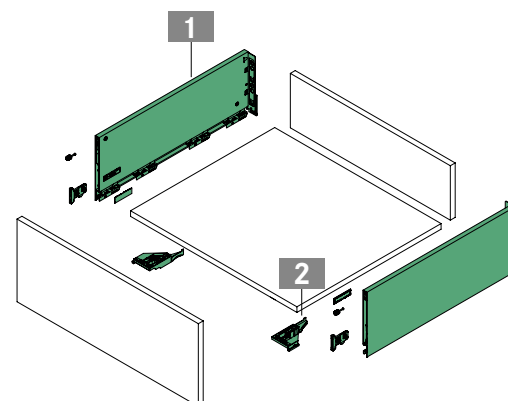
2 Vionaro accessories for H185/H249

Set: Cover cap (inside), front locking device, front holder and front stabiliser, one of each left/right



	Description	Silver grey				Graphite				Snow white			
		Art.-no.	PU			Art.-no.	PU			Art.-no.	PU		
	For screw fixing	F136100310	517			F136100312	517			F136100314	517		
	Expansion dowel Ø 8 mm	F136100311	517			F136100313	517			F136100315	517		

Dynapro slides from page 26

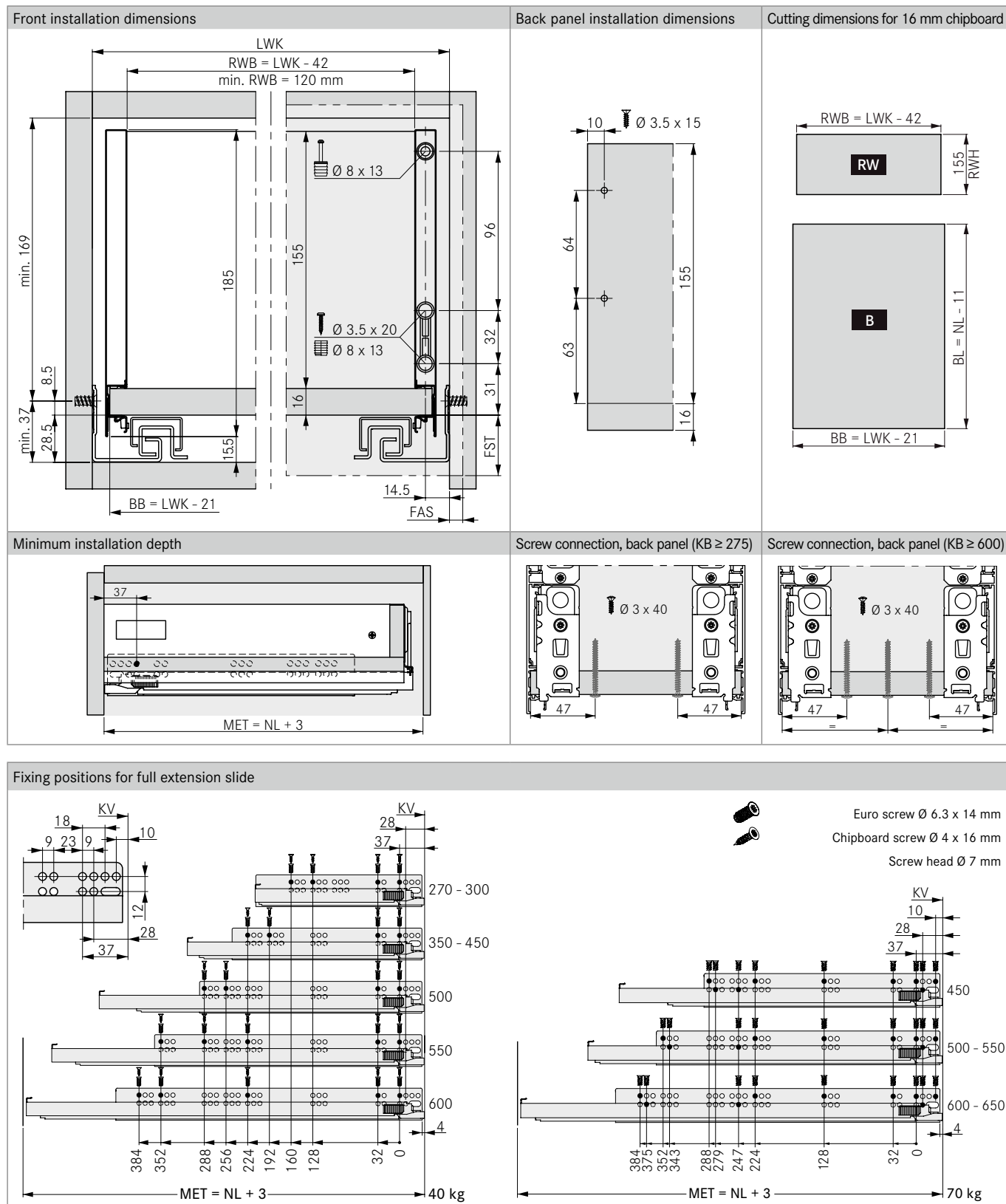


PAGE REFERENCES

Accessories – individual components	24	Steel back panels	40	Organising systems	69
Slides	26	Technical information	42	Assembly technology	80
Inset panels	34	Sensomatic	51	Assembly aids	84

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

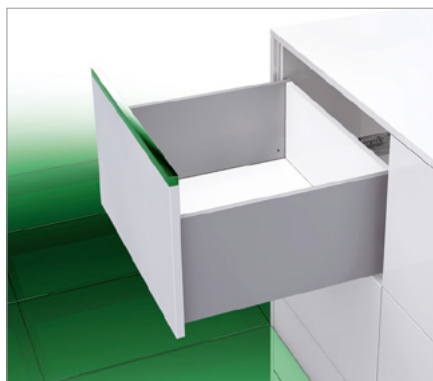
B/BB Bottom panel/bottom panel width
BL Bottom panel length
FAS Front overlay, side
FST Front overlay

KB Cabinet width
KV Front edge of cabinet
LWK Inside cabinet width
MET Minimum installation depth

NL Nominal length
RW Back panel
RWB Width of back panel
RWH Height of back panel

VIONARO

Pot drawer H249



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Depth adjustment is optional
- 90° straight interior and exterior sides
- Slim 13 mm drawer side width
- Tool-free front assembly
- Bottom panel machining not required
- Integrated front stabiliser for high fronts

Packaging unit (PU):

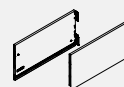
201 = 1 unit in cardboard box
(smallest PU = 5 units)

207 = 10 units in a cardboard box

517 = 50 units in PE in a cardboard box

ORDER INFORMATION

1 Vionaro drawer sides H249 Set: One left, one right



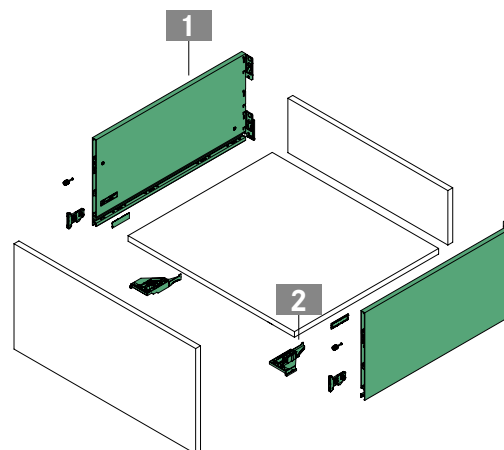
NL	Aluminium											
	Silver grey				Graphite				Snow white			
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU		
450	F135106774	201	207		F135106874	201	207		F135106974	201	207	
500	F135106780	201	207		F135106880	201	207		F135106980	201	207	
550	F135106786	201	207		F135106886	201	207		F135106986	201	207	
600	F135106792	201	207		F135106892	201	207		F135106992	201	207	

2 Vionaro accessories for H185/H249 Set: Cover cap (inside), front locking device, front holder and front stabiliser, one of each left/right



	Description	Silver grey				Graphite				Snow white			
		Art.-no.	PU			Art.-no.	PU			Art.-no.	PU		
	For screw fixing	F136100310	517			F136100312	517			F136100314	517		
	Expansion dowel Ø 8 mm	F136100311	517			F136100313	517			F136100315	517		

Dynapro slides from page 26

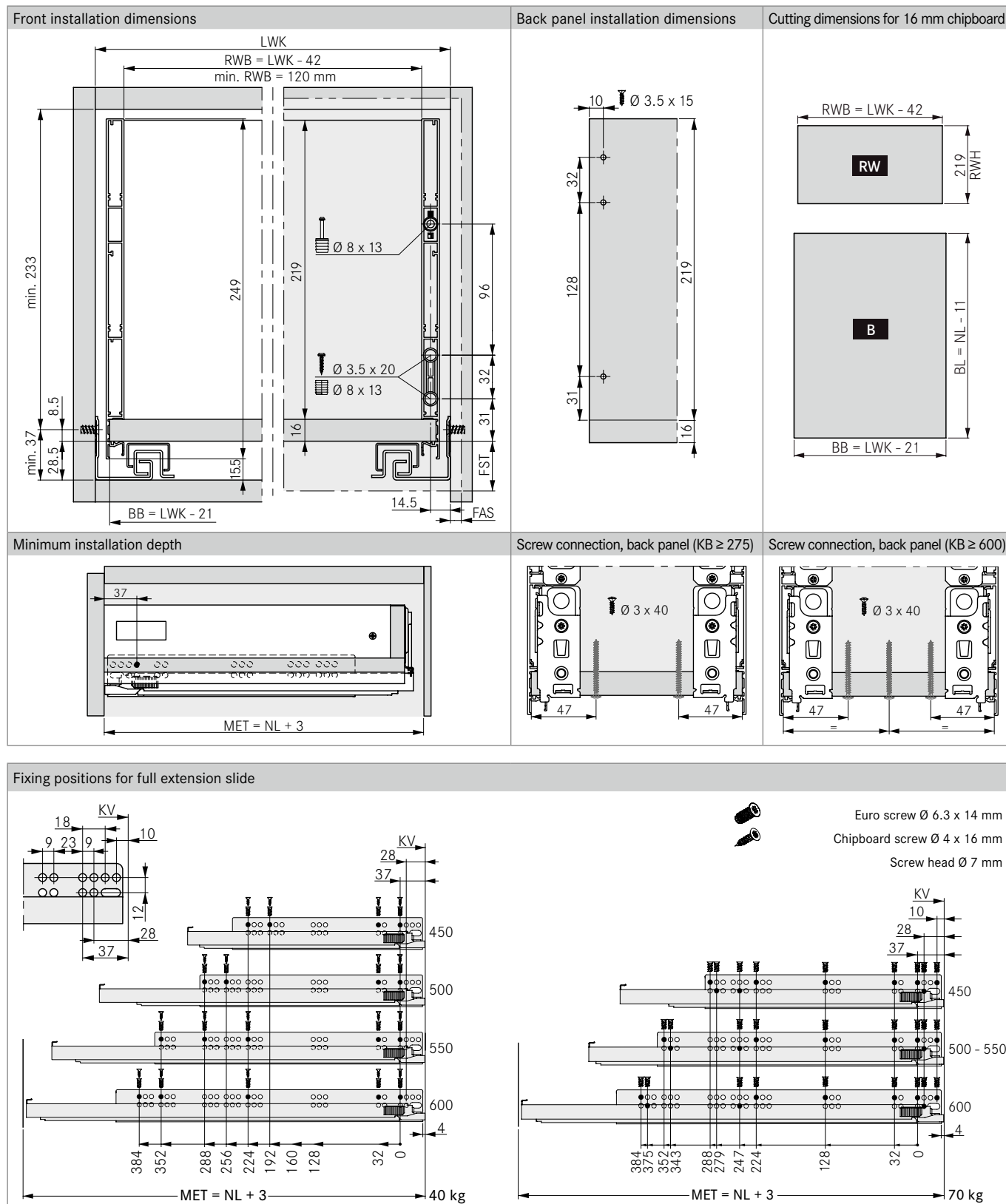


PAGE REFERENCES

Accessories – individual components	24	Sensomatic	51	Assembly aids	84
Slides	26	Organising systems	69	Packaging code	91
Technical information	42	Assembly technology	80		

PLANNING DIMENSIONS

All dimensions in millimetres

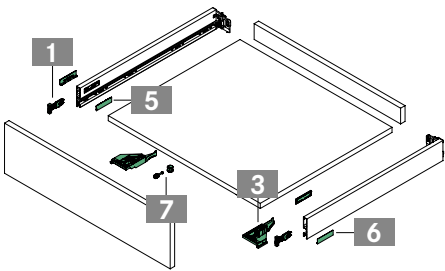
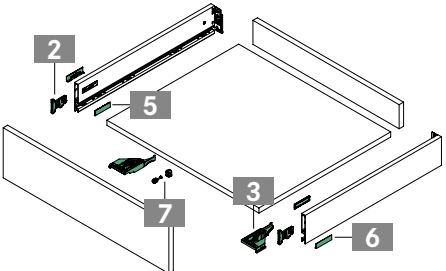


LEGEND

B/BB Bottom panel/bottom panel width
BL Bottom panel length
FAS Front overlay, side
FST Front overlay

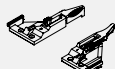
KB Cabinet width
KV Front edge of cabinet
LWK Inside cabinet width
MET Minimum installation depth

NL Nominal length
RW Back panel
RWB Width of back panel
RWH Height of back panel

Drawer H63	Drawer H89/H121
 The following is required: 2 x 1 1 x 3 2 x 5 Optional: 2 x 6 1 x 7	 The following is required: 2 x 2 1 x 3 2 x 5 Optional: 2 x 6 1 x 7

ORDER INFORMATION

1 Front holder H63 Single item: Can be used on left/right				2 Front holder H89/H121/H185/H249 Single item: Can be used on left/right											
Description		Art.-no.		PU		Description		Art.-no.		PU					
For screw fixing		F136118050		239				For screw fixing		F136116276		239			
For press fitting		F136118051		239				For press fitting		F136116271		239			
								Expansion dowel Ø 8 mm		F136118019		239			

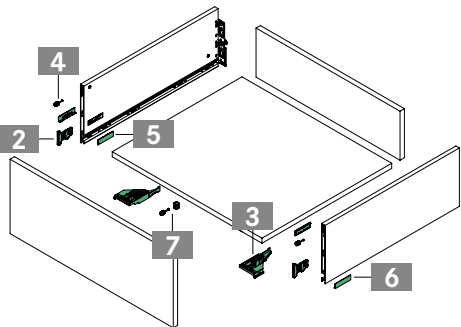
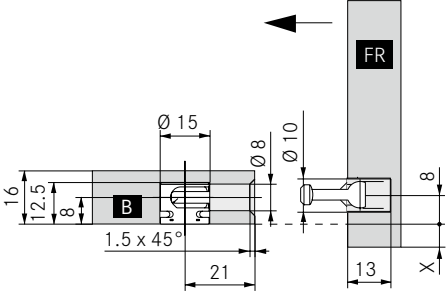
3 Front locking device Set: One left, one right				4 Front stabiliser H185/H249 Single item: Can be used on left/right											
Description		Art.-no.		PU		Description		Art.-no.		PU					
		F136107621		233				For screw fixing		F136135000		239			
								For press fitting Ø 8 mm		F136118030		239			
								For press fitting Ø 10 mm		F136118012		239			

5 Cover cap for drawer side Single item: Can be used on left/right							
	Description	Silver grey		Graphite		Snow white	
		Art.-no.	PU	Art.-no.	PU	Art.-no.	PU
	With GRASS logo	F136118066	239	F136118068	239	F136118070	239
	Without logo	F136118065	239	F136118067	239	F136118069	239

6 Branding clip (optional) Single item: Can be used on left/right							
	Description	Silver grey		Graphite		Snow white	
		Art.-no.	PU	Art.-no.	PU	Art.-no.	PU
	With GRASS logo (Customer logo on request)	F136118058	239	F136118059	239	F136118060	239

PAGE REFERENCES

Drawer sides	11	Technical information	42	Assembly technology	80
Slides	26	Sensomatic	51	Assembly aids	84
Steel back panels	40	Organising systems	69	Packaging code	91

Pot drawer H185/H249	Front-bottom connector (optional)
 The following is required: 2 x 2 1 x 3 2 x 4 2 x 5 Optional: 2 x 6 1 x 7	

7	Front-bottom connector for wooden fronts (optional) Single item				
Description	Art.-no.	PU	Description	Art.-no.	PU
Recommended from KB 600 mm	F148026744	107 223			

LEGEND

B	Bottom panel
FR	Front
KB	Cabinet width

DYNAPRO SOFT-CLOSE

Full extension slide 40/70 kg



- Excellent running characteristics
- Fully synchronised slide technology
- Soft-close damping system
- Utmost lateral stability
- Minimum drawer deflection
- Stepless self-locking of the drawer when placed on the slide

Packaging unit (PU):

204 = 5 units in a cardboard box
 208 = 12 units in a cardboard box
 210 = 15 units in a cardboard box
 211 = 20 units in a cardboard box
 533 = 200 units in PE in a cardboard box

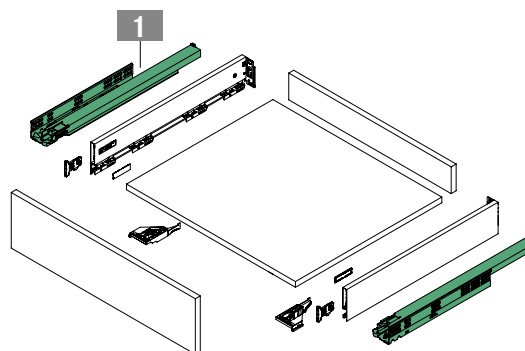
ORDER INFORMATION

1 Dynapro full extension slide Soft-close Set: One left, one right						
NL	40 kg			70 kg		
	Art.-no.	PU		Art.-no.	PU	
270	F130107793	204	211	-		
300	F130107796	204	211	-		
350	F130107802	204	211	-		
400	F130107808	204	211	-		
450	F130107814	204	210	F130107832	204	210
500	F130107820	204	210	F130107838	204	210
550	F130107826	204	210	F130107844	204	210
600	F130107829	204	208	F130107850	204	208
650	-			F130107853	204	208

Optional: Depth adjustment Set: One left, one right					
Art.-no.		PU			
F134101313		533			

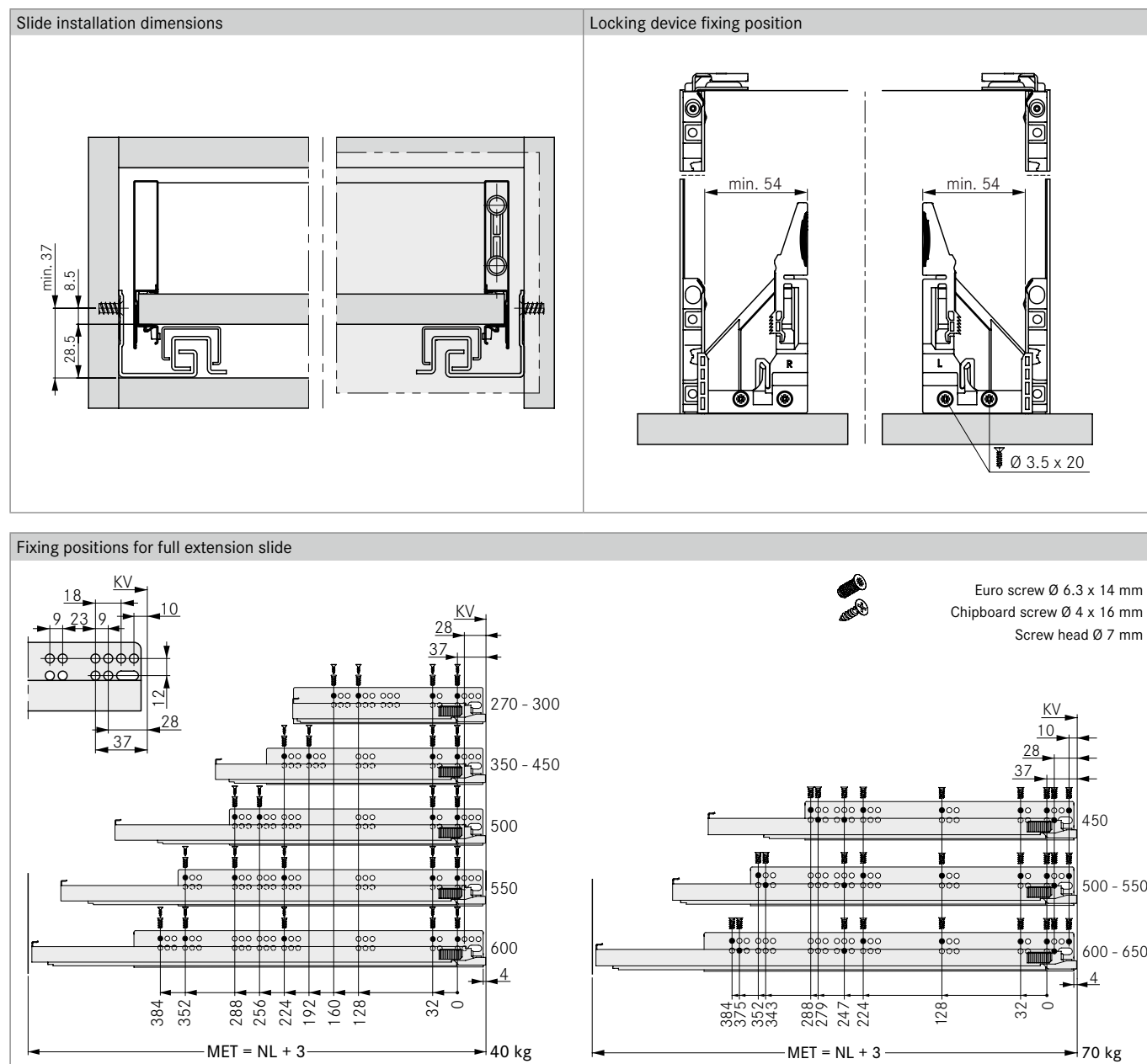
PAGE REFERENCES

Drawer sides	11	Technical information	42	Assembly technology	80
Inset panels	32	Sensomatic	51	Assembly aids	84
Steel back panels	40	Organising systems	69	Packaging code	91



PLANNING DIMENSIONS

All dimensions in millimetres

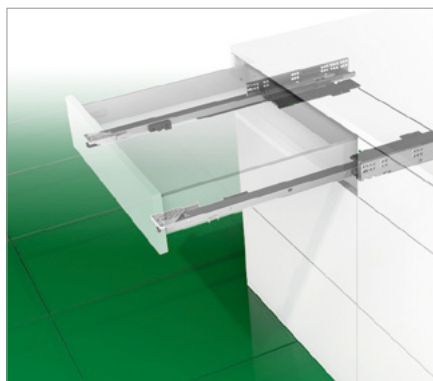


LEGEND

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

DYNAPRO TIPMATIC SOFT-CLOSE

Full extension slide 40/70 kg



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

Packaging unit (PU):

204 = 5 units in a cardboard box
 207 = 10 units in a cardboard box
 208 = 12 units in a cardboard box
 210 = 15 units in a cardboard box
 211 = 20 units in a cardboard box
 213 = 25 units in a cardboard box
 223 = 100 units in a cardboard box
 607 = 10 units in a cardboard box in a cardboard box

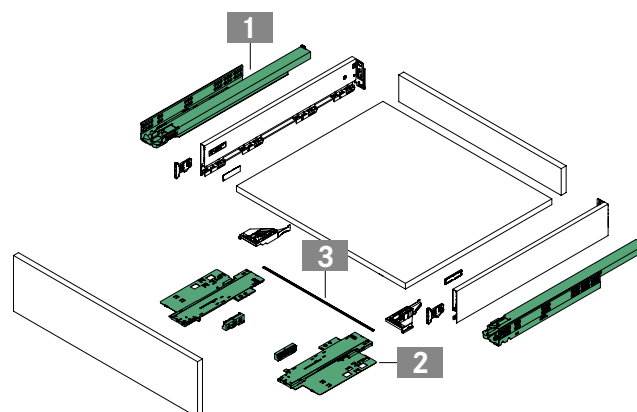
ORDER INFORMATION

1 Dynapro full extension slide Soft-close Set: One left, one right						
NL	40 kg			70 kg		
	Art.-no.	PU		Art.-no.	PU	
270	F130107793	204	211	-		
300	F130107796	204	211	-		
350	F130107802	204	211	-		
400	F130107808	204	211	-		
450	F130107814	204	210	F130107832	204	210
500	F130107820	204	210	F130107838	204	210
550	F130107826	204	210	F130107844	204	210
600	F130107829	204	208	F130107850	204	208
650	-			F130107853	204	208

2 Dynapro Tipmatic Soft-close Set: Unit and activator, one of each left/right						
	Art.-no.	PU				
	F134109323	607				

3 Synchronisation rod Single item: For cutting to length						
L	Art.-no.	PU				
952	F134109410	207				

Individual components			
Description		Art.-no.	PU
Dynapro Tipmatic Soft-close unit Set: One left, one right		F134109324	213
Dynapro Tipmatic Soft-close activator Set: One left, one right		F134109325	223

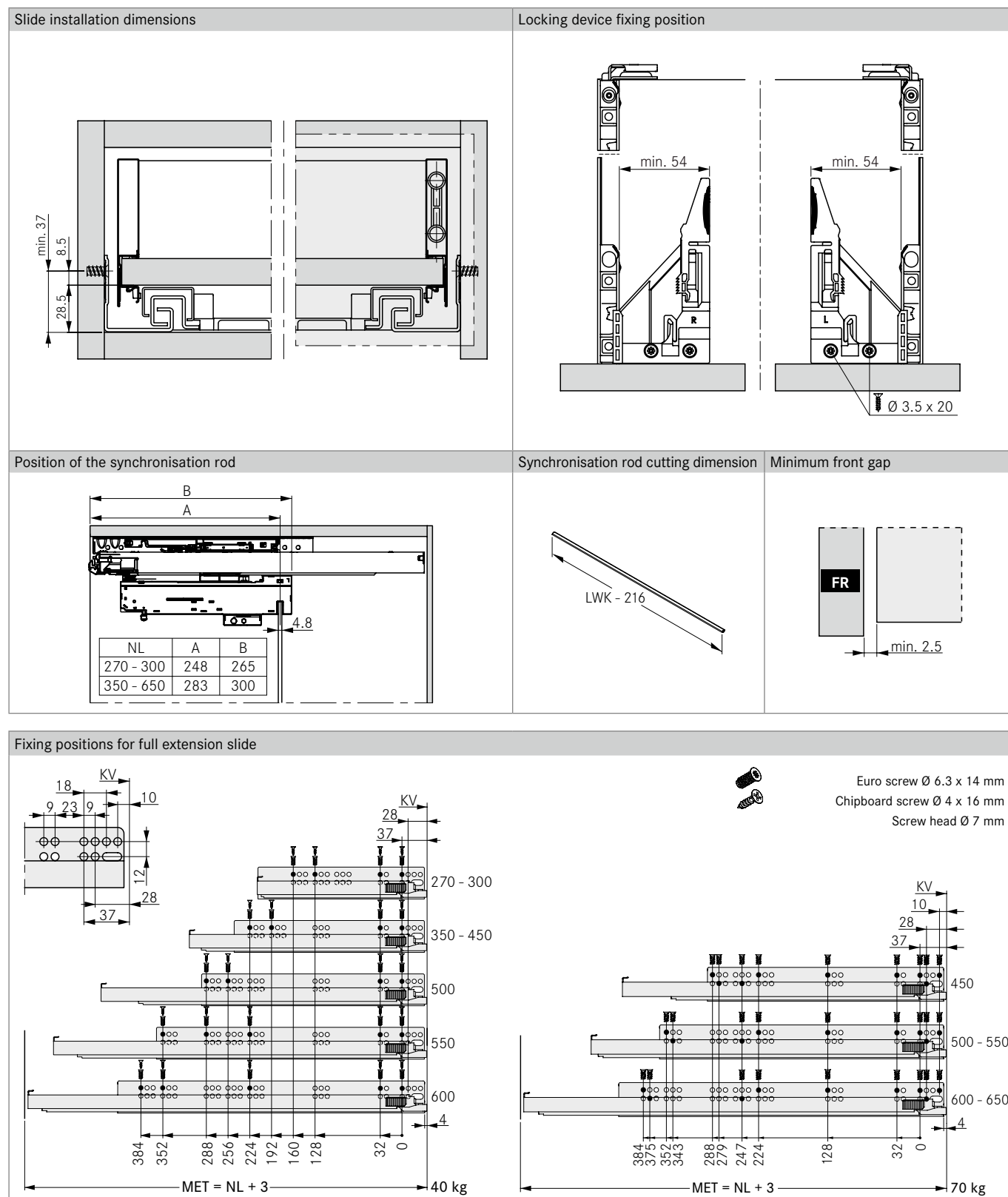


PAGE REFERENCES

Drawer sides	11	Technical information	42	Assembly technology	80
Inset panels	32	Sensomatic	51	Assembly aids	84
Steel back panels	40	Organising systems	69	Packaging code	91

PLANNING DIMENSIONS

All dimensions in millimetres



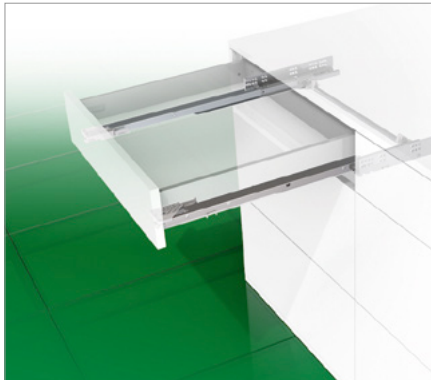
LEGEND

FR Front
KV Front edge of cabinet
L Length
MET Minimum installation depth

NL Nominal length

DYNAPRO TIPMATIC

Full extension slide 40/60 kg



- Full extension slide Tipmatic for handle-free fronts
- Tipmatic ejector unit integrated into the slide
- Excellent running characteristics
- Fully synchronised slide technology
- Utmost lateral stability
- Minimum drawer deflection

Packaging unit (PU):

204 = 5 units in a cardboard box
 207 = 10 units in a cardboard box
 210 = 15 units in a cardboard box
 211 = 20 units in a cardboard box
 212 = 24 units in a cardboard box
 233 = 200 units in a cardboard box
 517 = 50 units in PE in a cardboard box

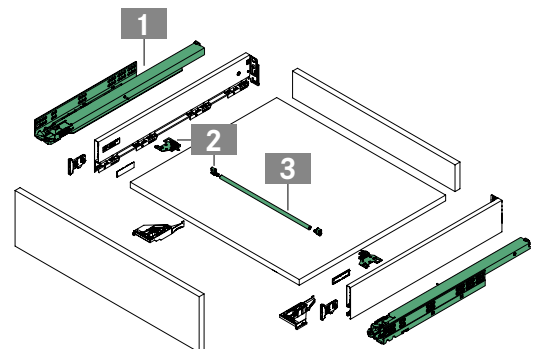
ORDER INFORMATION

1 Dynapro Tipmatic full extension slide Set: One left, one right						
NL	40 kg			60 kg		
	Art.-no.	PU		Art.-no.	PU	
270	F130117459	204	211	-		
300	F130117460	204	211	-		
350	F130117462	204	211	-		
400	F130117463	204	211	-		
450	F130117465	204	210	F130117470	204	210
500	F130117467	204	210	F130117471	204	210
550	F130117468	204	210	F130117472	204	210
600	-			F130116941	204	
650	-			F130117474	204	

2 Synchronisation unit Set: Synchronisation module and synchronisation lever, one of each left/right				
	40 kg		60 kg	
	Art.-no.	PU	Art.-no.	PU
	F134117475	517	F134117476	517

3 Synchronisation rod Single item: For cutting to length				
L	Art.-no.	PU		
981	F134116947	207	211	

Individual components		
Description	Art.-no.	PU
Synchronisation module, 40 kg Set: One left, one right	F134117114	212
Synchronisation module, 60 kg Set: One left, one right	F134117115	212
Synchronisation lever Single: Can be used on left/right	F134125079	233

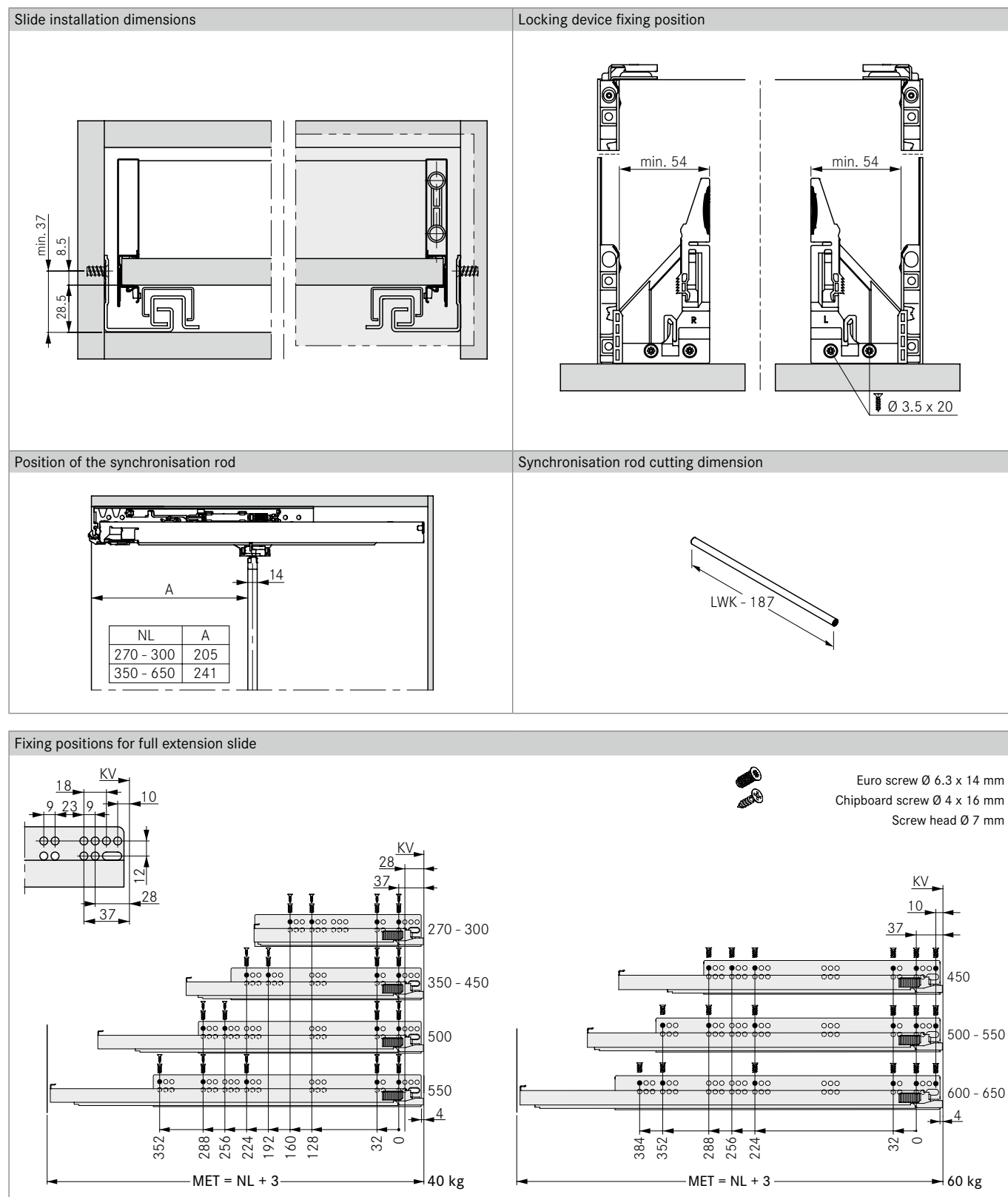


PAGE REFERENCES

Drawer sides	11	Technical information	42	Assembly technology	80
Inset panels	32	Sensomatic	51	Assembly aids	84
Steel back panels	40	Organising systems	69	Packaging code	91

PLANNING DIMENSIONS

All dimensions in millimetres



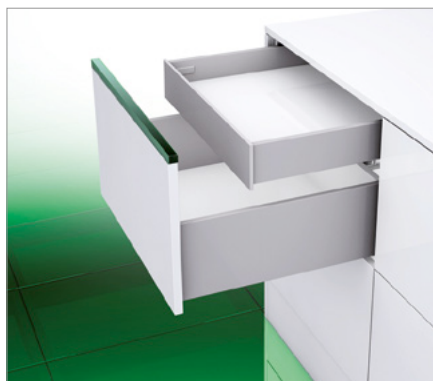
LEGEND

KV Front edge of cabinet
L Length
LWK Inside cabinet width
MET Minimum installation depth

NL Nominal length

VIONARO

Inset panel for inset drawer H89



- Colour-coordinated aluminium front panel
- High-quality design with smooth inside and outside surfaces
- Also for cutting to length (from page 36)

Packaging unit (PU):

207 = 10 units in a cardboard box
211 = 20 units in a cardboard box

Notes:

- Front-bottom connector recommended from KB 600 mm (see page 39)

ORDER INFORMATION

- 1** Inset panel for inset drawer H89, S16 and S18
Set: Inset panel with pre-assembled cover caps and pre-drilled fixing holes

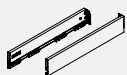


S16*	Silver grey			Graphite			Snow white						
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
300	F136122602	211		F136120502	211		F136120552	211					
350	F136122603	211		F136120503	211		F136120553	211					
400	F136122605	211		F136120505	211		F136120555	211					
450	F136122607	211		F136120507	211		F136120557	211					
500	F136122609	211		F136120509	211		F136120559	211					
550	F136122611	211		F136120511	211		F136120561	211					
600	F136122613	211		F136120513	211		F136120563	211					
800	F136122615	211		F136120515	211		F136120565	211					
900	F136122616	211		F136120516	211		F136120566	211					
1000	F136122617		207	F136120517		207	F136120567		207				
1200	F136122618		207	F136120518		207	F136120568		207				

S18*	Silver grey			Graphite			Snow white						
KB	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU					
300	F136123152	211		F136123552	211		F136123652	211					
350	F136123153	211		F136123553	211		F136123653	211					
400	F136123155	211		F136123555	211		F136123655	211					
450	F136123157	211		F136123557	211		F136123657	211					
500	F136123159	211		F136123559	211		F136123659	211					
550	F136123161	211		F136123561	211		F136123661	211					
600	F136123163	211		F136123563	211		F136123663	211					
800	F136123165	211		F136123565	211		F136123665	211					
900	F136123166	211		F136123566	211		F136123666	211					
1000	F136123167		207	F136123567		207	F136123667		207				
1200	F136123168		207	F136123568		207	F136123668		207				

* on request

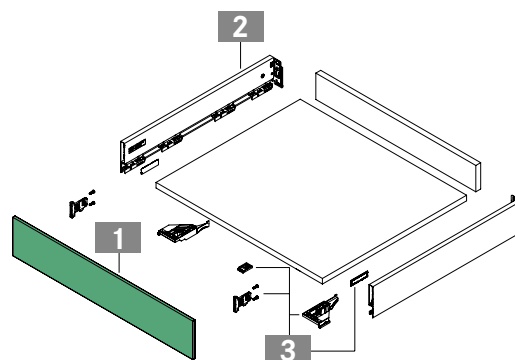
- 2** Vionaro drawer sides H89 see page 16



- 3** Individual components see page 38



Dynapro slides from page 26

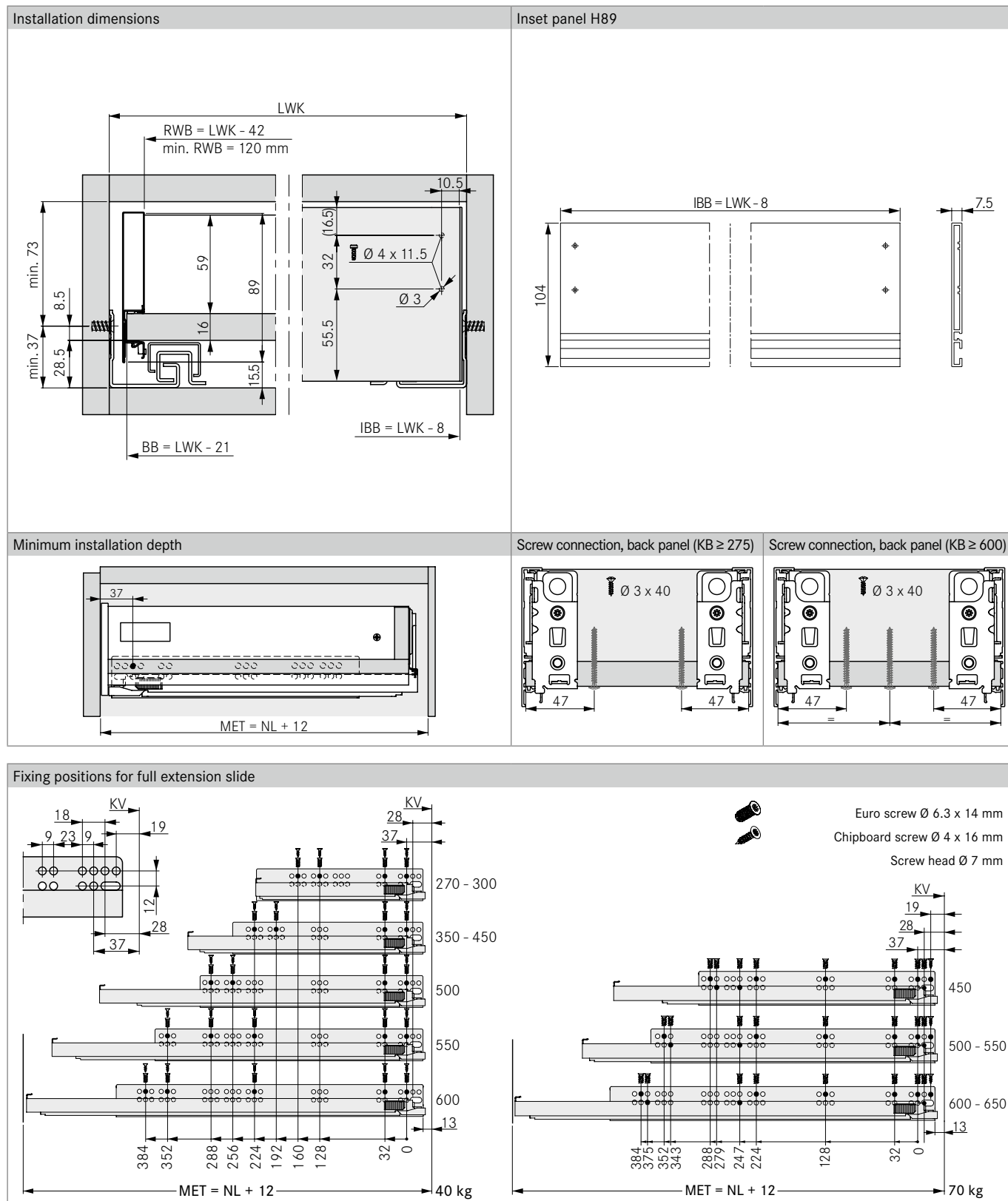


PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Organising systems	69
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Individual components	38	Sensomatic	51	Assembly aids	84

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

BB Bottom panel width
IBB Inset front 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

VIONARO

Inset panel for inset drawer H185



- Colour-coordinated aluminium front panel
- High-quality design with smooth inside and outside surfaces
- Also for cutting to length (from page 36)

Packaging unit (PU):

207 = 10 units in a cardboard box

Notes:

- Front-bottom connector recommended from KB 600 mm (see page 39)

ORDER INFORMATION

- 1** Inset panel for inset drawer H185, S16 and S18
Set: Inset panel with pre-assembled cover caps and pre-drilled fixing holes



S16*		Silver grey			Graphite			Snow white					
KB	Art.-no.	207	PU		Art.-no.	207	PU		Art.-no.	207	PU		
300	F136122652	207			F136120521	207			F136120572	207			
350	F136122653	207			F136120522	207			F136120573	207			
400	F136122655	207			F136120524	207			F136120575	207			
450	F136122657	207			F136120526	207			F136120577	207			
500	F136122659	207			F136120528	207			F136120579	207			
550	F136122661	207			F136120530	207			F136120581	207			
600	F136122663	207			F136120532	207			F136120583	207			
800	F136122665	207			F136120534	207			F136120585	207			
900	F136122666	207			F136120535	207			F136120586	207			
1000	F136122667	207			F136120536	207			F136120587	207			
1200	F136122668	207			F136120537	207			F136120588	207			

S18*		Silver grey			Graphite			Snow white					
KB	Art.-no.	207	PU		Art.-no.	207	PU		Art.-no.	207	PU		
300	F136123202	207			F136123602	207			F136123702	207			
350	F136123203	207			F136123603	207			F136123703	207			
400	F136123205	207			F136123605	207			F136123705	207			
450	F136123207	207			F136123607	207			F136123707	207			
500	F136123209	207			F136123609	207			F136123709	207			
550	F136123211	207			F136123611	207			F136123711	207			
600	F136123213	207			F136123613	207			F136123713	207			
800	F136123215	207			F136123615	207			F136123715	207			
900	F136123216	207			F136123616	207			F136123716	207			
1000	F136123217	207			F136123617	207			F136123717	207			
1200	F136123218	207			F136123618	207			F136123718	207			

* on request

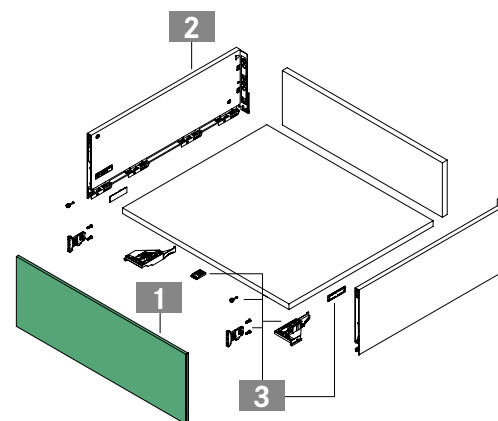
- 2** Vionaro drawer sides H185 see page 20



- 3** Individual components see page 38



Dynapro slides from page 26

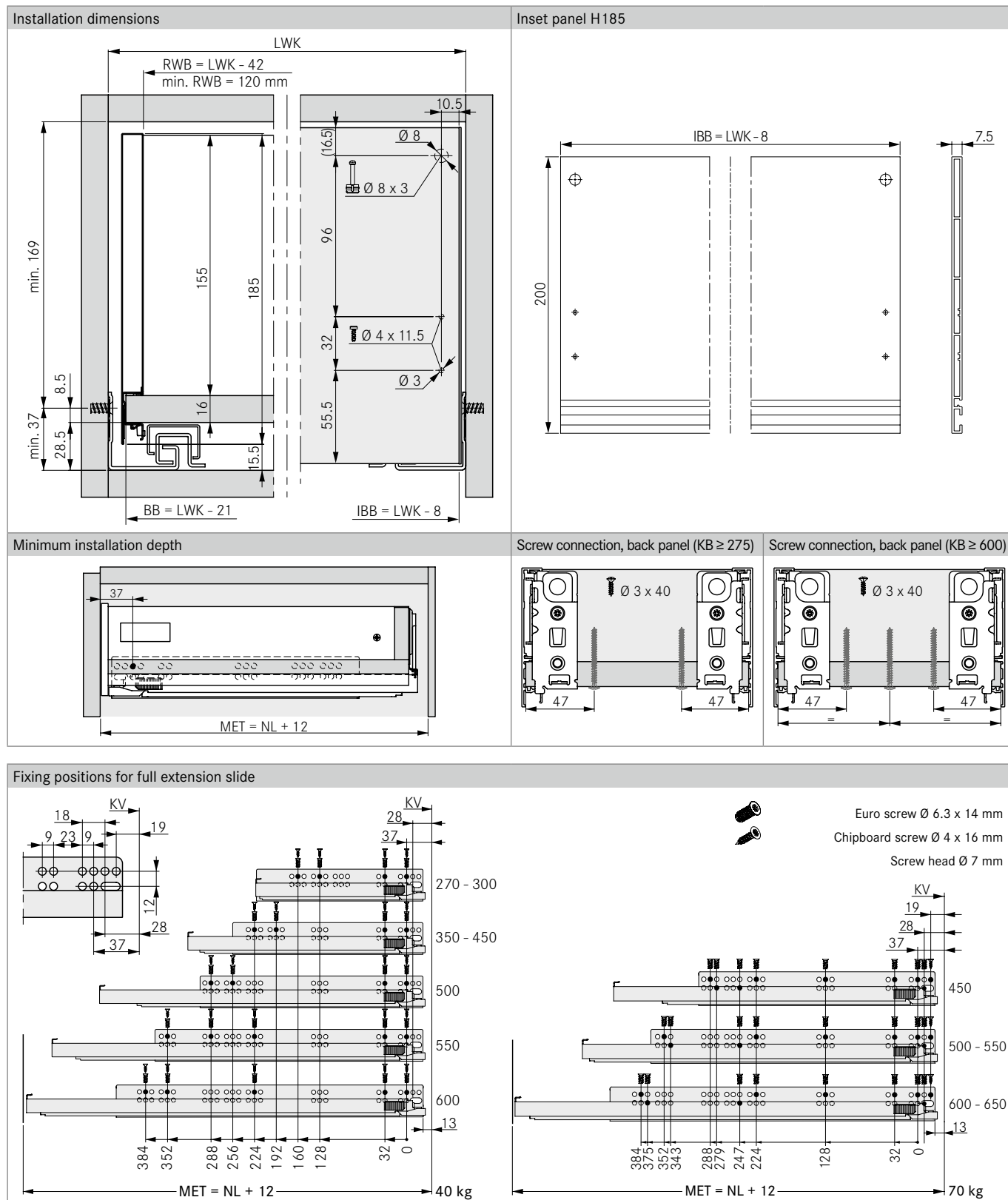


PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Organising systems	69
Slides	26	Technical information	42	Assembly technology	80
Individual components	38	Sensomatic	51	Assembly aids	84

PLANNING DIMENSIONS

All dimensions in millimetres



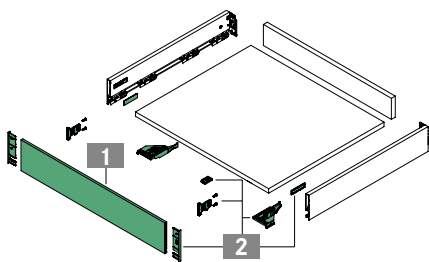
LEGEND

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

VIONARO

Inset panel for cutting to length – set pack

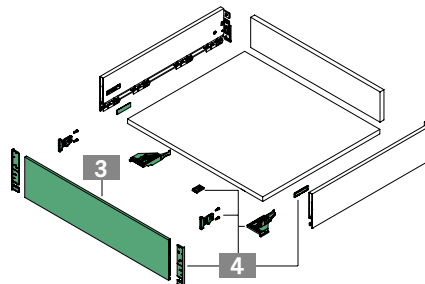
Inset panel for inset drawer H89



The following
is required:

1 x **1**
1 x **2**

Inset panel for inset drawer H121



The following
is required:

1 x **3**
1 x **4**

ORDER INFORMATION

- 1** Inset panel for inset drawer H89
Single item: For cutting to length incl. cardboard drilling template



L	Silver grey			Graphite			Snow white					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
1160	F136122619	507		F136120538	507		F136120569	507				

- 2** Vionaro accessories for inset drawer H89
Set: Cover cap for inset panel (2x), cover cap for drawer side (2x), front-bottom connector (1x), front holder (2x), front locking device (2x) and special screws (4x)



Description	Silver grey			Graphite			Snow white					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
For screw fixing	F136100277	517		F136100278	517		F136100279	517				

- 3** Inset panel for inset drawer H121
Single item: For cutting to length incl. cardboard drilling template



L	Silver grey			Graphite			Snow white					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
1160	F136107484	507		F136107485	507		F136107486	507				

- 4** Vionaro accessories for inset drawer H121
Set: Cover cap for inset panel (2x), cover cap for drawer side (2x), front-bottom connector (1x), front holder (2x), front locking device (2x) and special screws (4x)

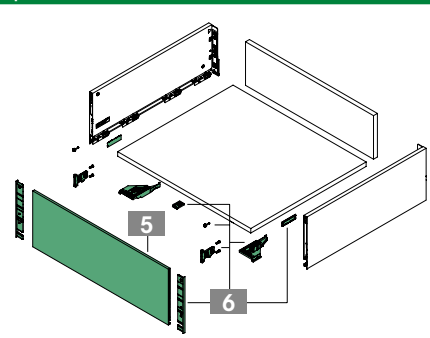


Description	Silver grey			Graphite			Snow white					
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU				
For screw fixing	F136107488	517		F136107489	517		F136107490	517				

PAGE REFERENCES

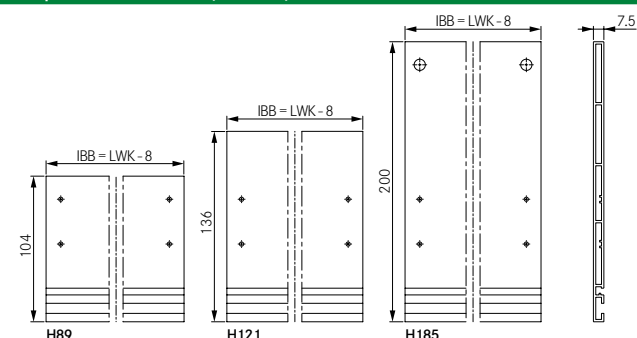
Drawer sides	11	Steel back panels	40	Organising systems	69
Slides	26	Technical information	42	Assembly technology	80
Individual components	38	Sensomatic	51	Assembly aids	84

Inset panel for inset drawer H185



The following is required:
1 x **5**
1 x **6**

Inset panel section H89 / H121 / H185



5

Inset panel for inset drawer H185

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



L	Silver grey				Graphite				Snow white					
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU				
1160	F136122669	507			F136120539	507			F136120589	507				

6

Vionaro accessories for inset drawer H185

Set: Cover cap for inset panel (2x), cover cap for drawer side (2x), front-bottom connector (1x), front holder (2x), front stabiliser (2x), front locking device (2x) and special screws (4x)



	Description	Silver grey				Graphite				Snow white			
		Art.-no.	PU			Art.-no.	PU			Art.-no.	PU		
	For screw fixing	F136100318	517			F136100319	517			F136100320	517		

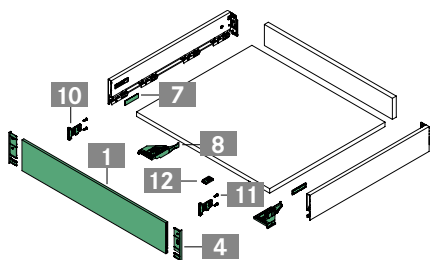
LEGEND

H	Height
IBB	Inset panel width
L	Length
LWK	Inside cabinet width

VIONARO

Inset panel for cutting to length

Inset panel for inset drawer H89



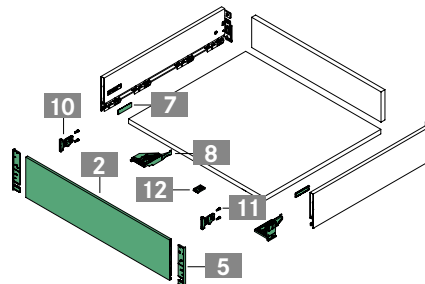
The following is required:

1 x 1
2 x 4
2 x 7
1 x 8
2 x 10
4 x 11

Optional:

1 x 12

Inset panel for inset drawer H121



The following is required:

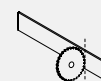
1 x 2
2 x 5
2 x 7
1 x 8
2 x 10
4 x 11

Optional:

1 x 12

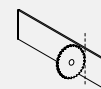
ORDER INFORMATION

- 1** Inset panel for inset drawer H89
Single item: For cutting to length incl. cardboard drilling template



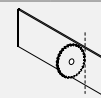
L	Silver grey		Graphite		Snow white			
	Art.-no.	PU	Art.-no.	PU	Art.-no.	PU		
1160	F136122619	507	F136120538	507	F136120569	507		

- 2** Inset panel for inset drawer H121
Single item: For cutting to length incl. cardboard drilling template



L	Silver grey		Graphite		Snow white			
	Art.-no.	PU	Art.-no.	PU	Art.-no.	PU		
1160	F136107484	507	F136107485	507	F136107486	507		

- 3** Inset panel for inset drawer H185
Single item: For cutting to length incl. cardboard drilling template



L	Silver grey		Graphite		Snow white			
	Art.-no.	PU	Art.-no.	PU	Art.-no.	PU		
1160	F136122669	507	F136120539	507	F136120589	507		

- 4** Cover cap for inset panel H89
Single item: Can be used on left/right



H	Silver grey		Graphite		Snow white			
	Art.-no.	PU	Art.-no.	PU	Art.-no.	PU		
H89	F136107652	233	F136107654	233	F136107662	233		

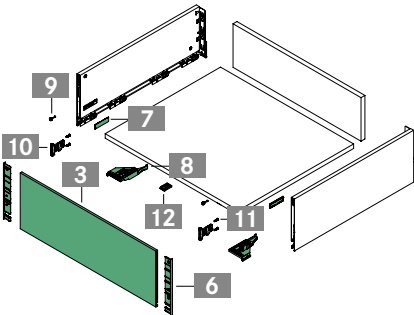
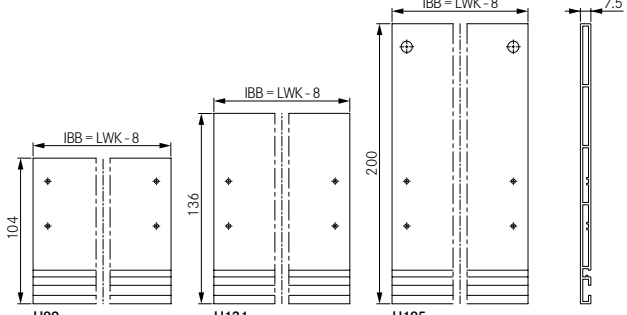
- 5** Cover cap for inset panel H121
Single item: Can be used on left/right



H	Silver grey		Graphite		Snow white			
	Art.-no.	PU	Art.-no.	PU	Art.-no.	PU		
H121	F136107492	233	F136107493	233	F136107494	233		

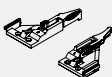
PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Organising systems	69
Slides	26	Technical information	42	Assembly technology	80
Set pack	36	Sensomatic	51	Assembly aids	84

Inset panel for inset drawer H185				Inset panel section H89 / H121 / H185			
							
The following is required: 1 x 3 2 x 6 2 x 7 1 x 8 2 x 9 2 x 10 4 x 11 Optional: 1 x 12							

6 Cover cap for inset panel H185 Single item: Can be used on left/right									
									
H	Silver grey			Graphite			Snow white		
	Art.-no.	PU		Art.-no.	PU		Art.-no.	PU	
H185	F136107653	233		F136107655	233		F136107663	233	

7 Cover cap for drawer side Single item: Can be used on left/right													
	Description	Silver grey				Graphite				Snow white			
		Art.-no.		PU		Art.-no.		PU		Art.-no.		PU	
	With GRASS logo	F136118066	239			F136118068	239			F136118070	239		
	Without logo	F136118065	239			F136118067	239			F136118069	239		

8 Front locking device Set: One left, one right				9 Front stabiliser Single item: Can be used on left/right			
							
Description		Art.-no.	PU	Description		Art.-no.	PU
		F136107621	233	For press fitting		F136118024	233

10 Front holder Single item: Can be used on left/right				11 Special screws Single item			
							
Description		Art.-no.	PU	Description		Art.-no.	PU
For screw fixing		F136116276	239			F136118028	247

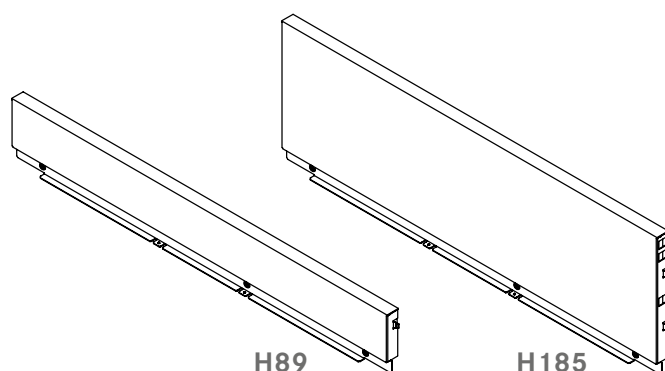
12 Front-bottom connector Single item							
							
Description		Art.-no.	PU	Description		Art.-no.	PU
Recommended from KB 600 mm		F136118025	123				

LEGEND

H	Height	LWK	Inside cabinet width	
IBB	Inset panel width			
KB	Cabinet width			
L	Length			

VIONARO

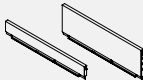
Steel back panels



Packaging unit (PU):

207 = 10 units in a cardboard box
 209 = 14 units in a cardboard box
 211 = 20 units in a cardboard box
 216 = 40 units in a cardboard box

ORDER INFORMATION

1 Steel back panel S16																
H89*	Silver grey				Graphite				Snow white							
KB	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
300	F136135261	216			F136135234	216			F136135290	216						
400	F136135262	216			F136135235	216			F136135291	216						
450	F136135263	216			F136135236	216			F136135292	216						
500	F136135264	216			F136135237	216			F136135293	216						
600	F136135265	216			F136135239	216			F136135294	216						
700	F136135266		211		F136135240		211		F136135295		211					
800	F136135267		211		F136135241		211		F136135296		211					
900	F136135268		211		F136135242		211		F136135297		211					
1000	F136135269		211		F136135243		211		F136135298		211					
1200	F136135271		211		F136135244		211		F136135299		211					

H185*	Silver grey				Graphite				Snow white							
KB	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
300	F136135352	211			F136135325	211			F136135383	211						
400	F136135353	211			F136135326	211			F136135384	211						
450	F136135354	211			F136135327	211			F136135385	211						
500	F136135355	211			F136135328	211			F136135386	211						
600	F136135356	211			F136135330	211			F136135387	211						
700	F136135357		209		F136135331		209		F136135388	209						
800	F136135358		209		F136135332		209		F136135389		209					
900	F136135359		209		F136135333		209		F136135390		209					
1000	F136135360			207	F136135334		207		F136135391			207				
1200	F136135362			207	F136135335		207		F136135392			207				

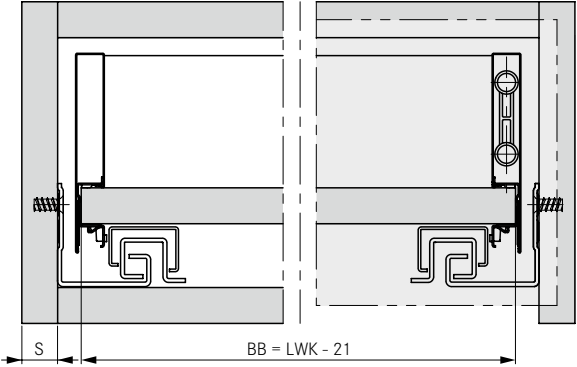
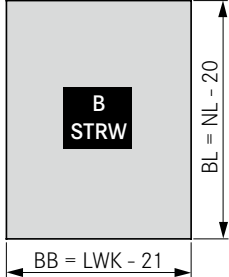
* on request

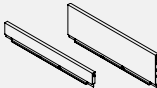
PAGE REFERENCES

Drawer sides	11	Technical information	42	Assembly technology	80
Slides	26	Sensomatic	51	Assembly aids	84
Inset panels	32	Organising systems	69	Packaging code	91

PLANNING DIMENSIONS

All dimensions in millimetres

Installation dimensions	Cutting the bottom panel to size
 Diagram illustrating the installation dimensions for the drawer system. The side wall (S) is shown on the left. The bottom panel width (BB) is calculated as $BB = LWK - 21$, where LWK is the inside cabinet width.	 Diagram illustrating the cutting dimensions for the bottom panel. The bottom panel length (BL) is calculated as $BL = NL - 20$, where NL is the nominal length. The bottom panel width (BB) is calculated as $BB = LWK - 21$. Note: Please note that with steel back panels the bottom panel must be cut to a size which is 9 mm shorter than when using wooden back panels. Please refer to the diagram opposite.

2 Steel back panel S18																
H89*	Silver grey				Graphite				Snow white							
KB	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
450	F136135283	216			F136135246	216			F136135300	216						
600	F136135285	216			F136135247	216			F136135301	216						
800	F136135286		211		F136135248		211		F136135302		211					
900	F136135287		211		F136135249		211		F136135303		211					
1200	F136135289		211		F136135250		211		F136135304		211					
H185*	Silver grey				Graphite				Snow white							
KB	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU						
450	F136135374	211			F136135337	211			F136135393	211						
600	F136135377	211			F136135338	211			F136135394	211						
800	F136135379		209		F136135339		209		F136135395		209					
900	F136135380		209		F136135340		209		F136135396		209					
1200	F136135382			207	F136135341			207	F136135397			207				

* on request

LEGEND

B	Bottom panel	NL	Nominal length
BB	Bottom panel width	S	Cabinet side wall
BL	Bottom panel length	LWK	Inside cabinet width
KB	Cabinet width	STRW	Steel back panel

MOUNTING/DISMOUNTING

Inserting the drawer

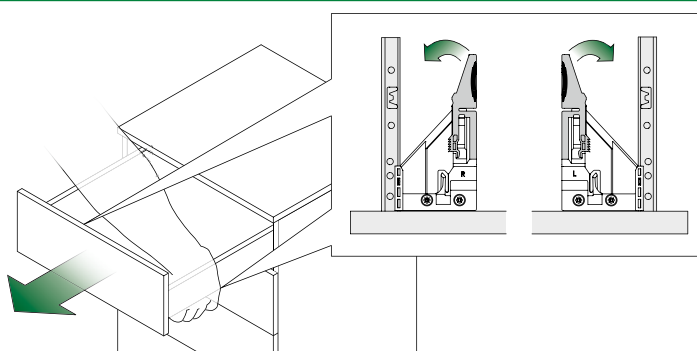
Place the drawer on the extended slides.
Push the drawer fully home.

Drawer engages automatically!



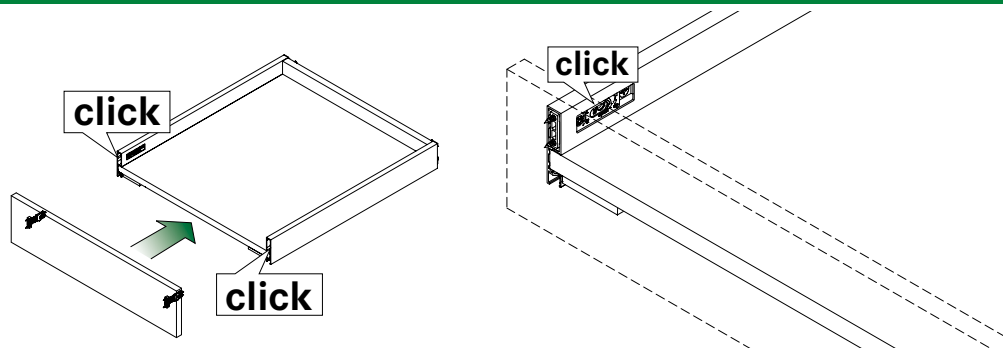
Removing the drawer

Pull out the drawer, actuate the lever of the front locking device on both sides and pull the drawer off the slide towards the front.



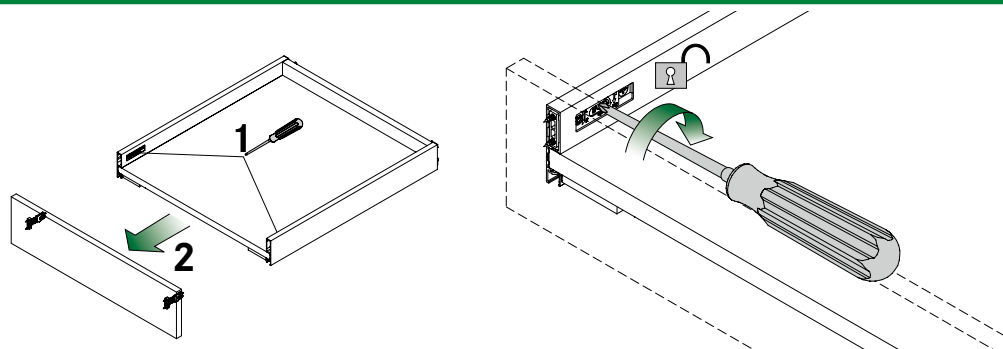
Front panel installation

Insert the front connection into the drawer sides. The front panel engages automatically and is fixed.



Removing the front panel

Use Pozidriv No. 2 screw driver to release.

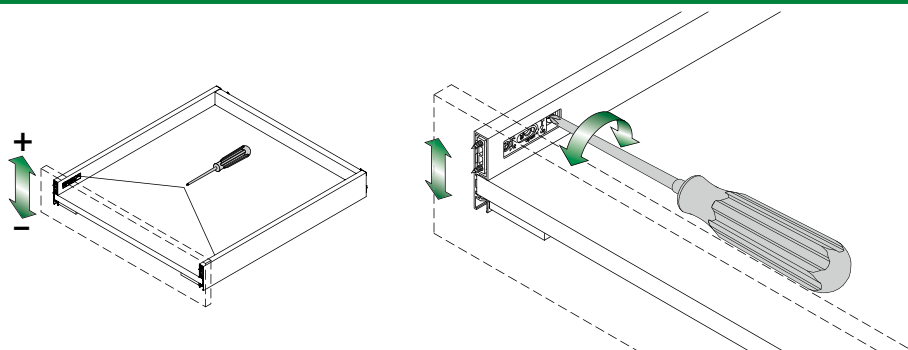


PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Assembly technology	80
Slides	26	Sensomatic	51	Assembly aids	84
Inset panels	32	Organising systems	69	Packaging code	91

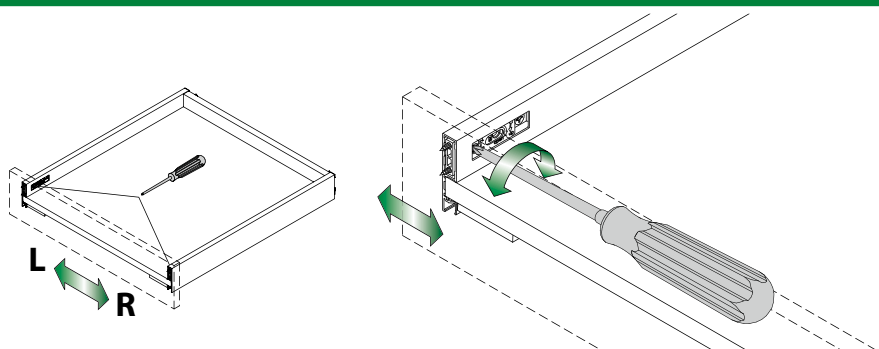
ADJUSTMENTS

Height adjustment with cam (+2/-1 mm)

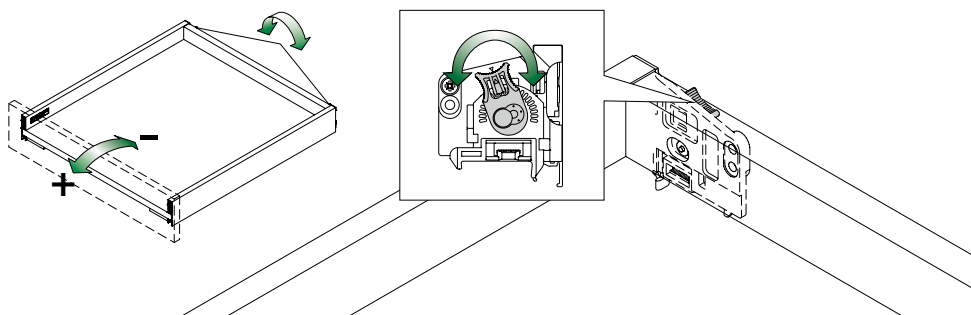


Side adjustment (± 1.5 mm)

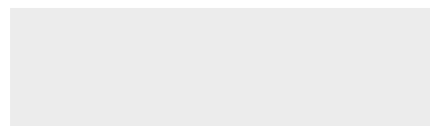
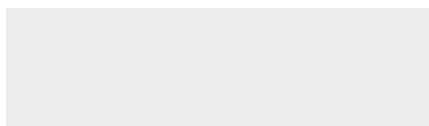
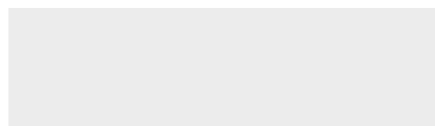
Adjust both sides.



Front tilt angle adjustment (+2/-1 mm)



LEGEND



MOUNTING/DISMOUNTING

Inserting the drawer

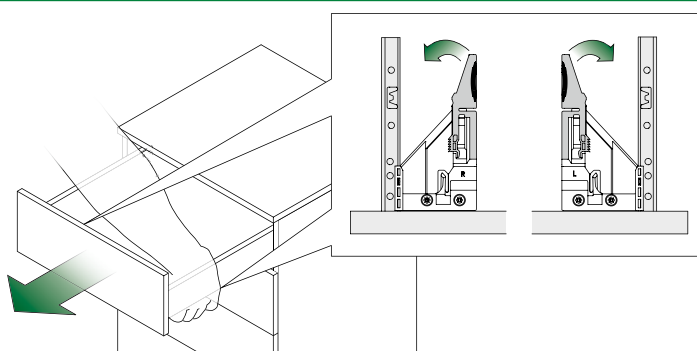
Place the drawer on the extended slides.
Push the drawer fully home.

Drawer engages automatically!



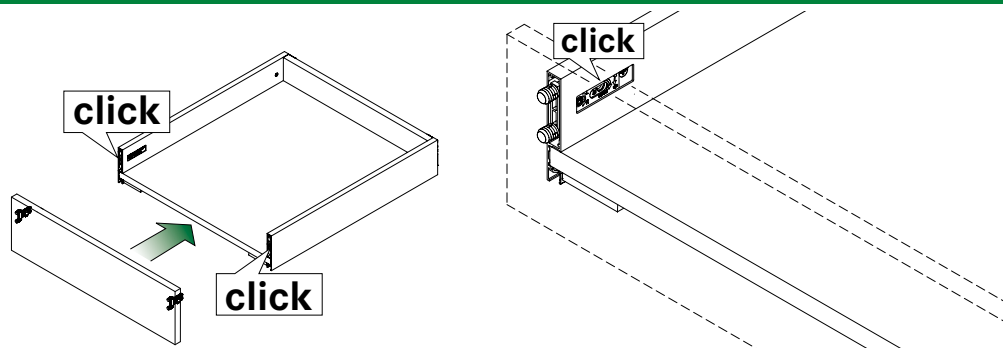
Removing the drawer

Pull out the drawer, actuate the lever of the front locking device on both sides and pull the drawer off the slide towards the front.



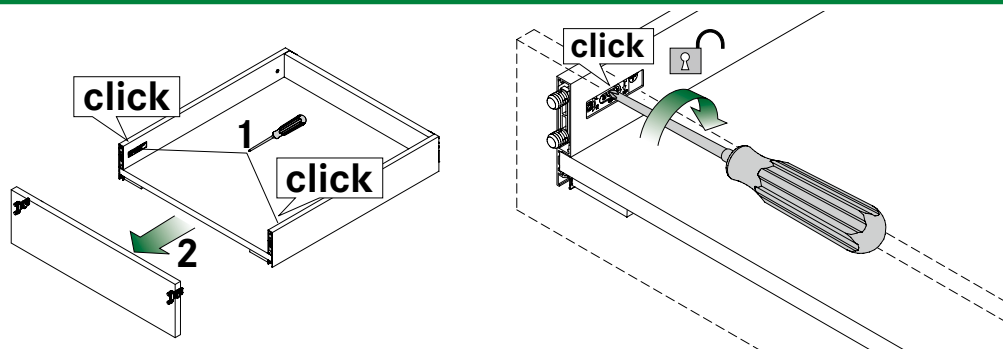
Front panel installation

Insert the front connection into the drawer sides. The front panel engages automatically and is fixed.



Removing the front panel

Use Pozidriv No. 2 screw driver to release.

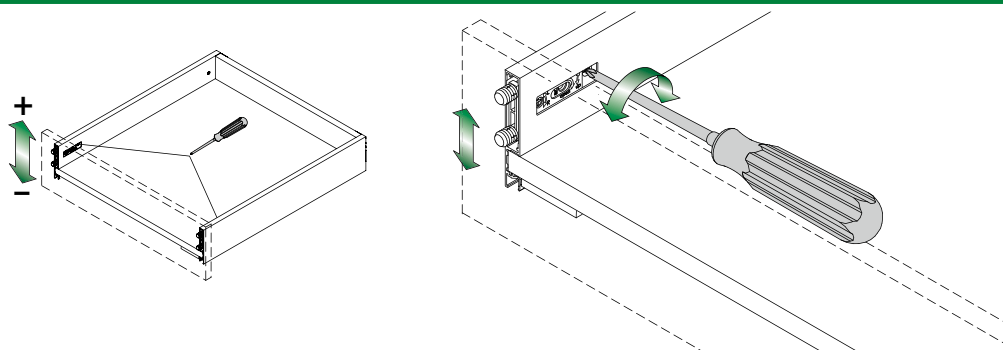


PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Assembly technology	80
Slides	26	Sensomatic	51	Assembly aids	84
Inset panels	32	Organising systems	69	Packaging code	91

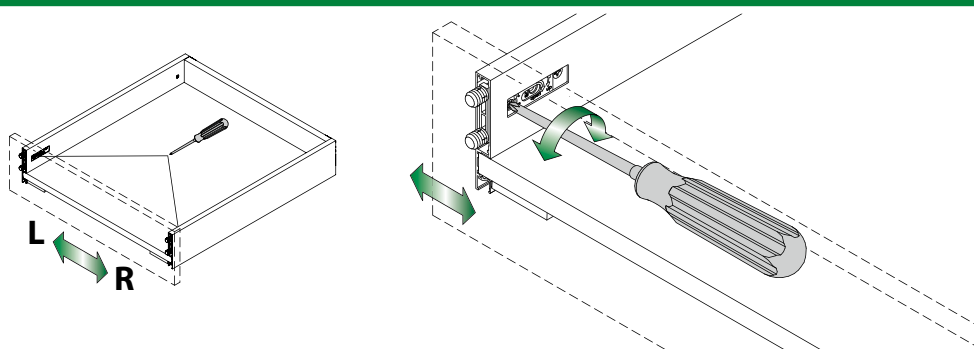
ADJUSTMENTS

Height adjustment with cam (+2.5/-1.5 mm)

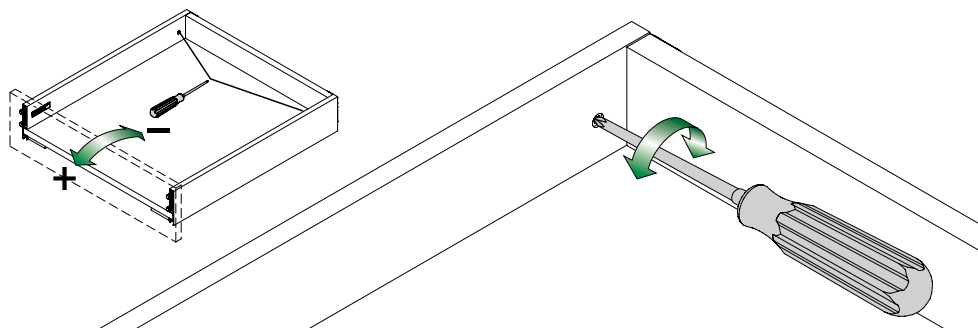


Side adjustment (± 1.5 mm)

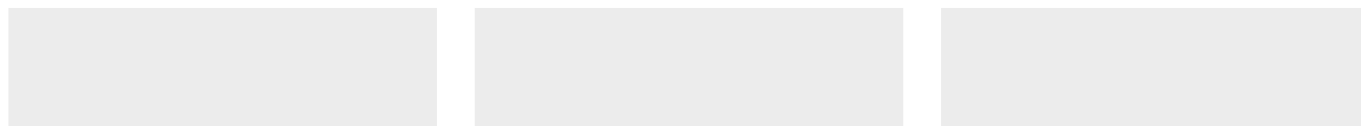
Adjust both sides.



Front tilt angle adjustment (+2.5/-1.5 mm)



LEGEND



MOUNTING/DISMOUNTING

Inserting the drawer

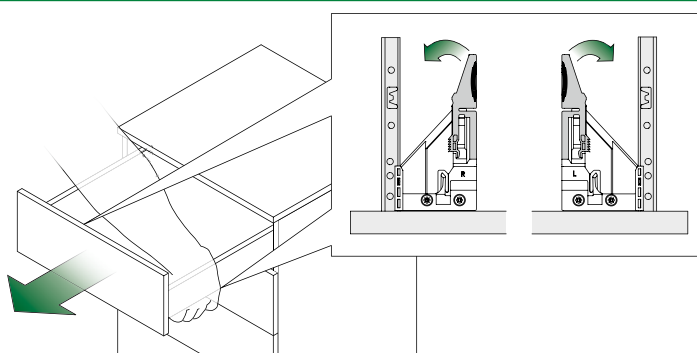
Place the drawer on the extended slides.
Push the drawer fully home.

Drawer engages automatically!



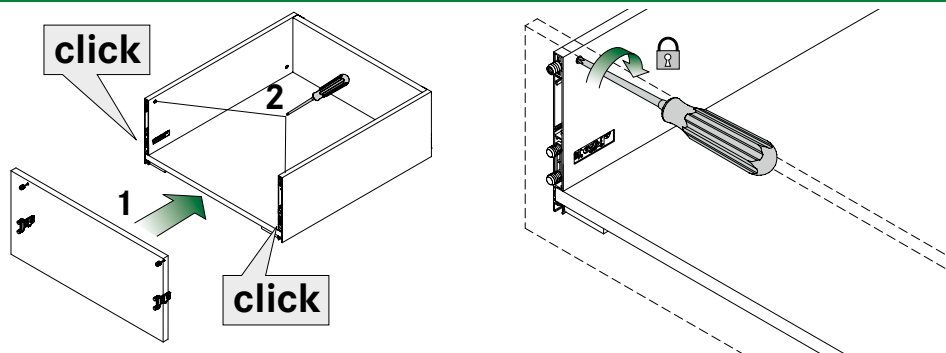
Removing the drawer

Pull out the drawer, actuate the lever of the front locking device on both sides and pull the drawer off the slide towards the front.



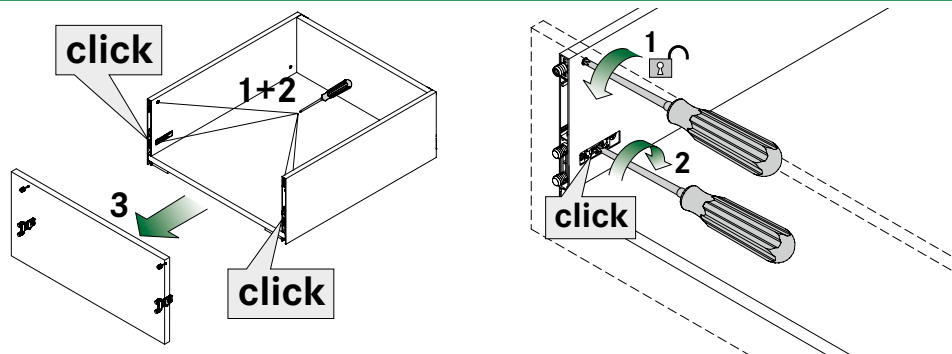
Front panel installation

Insert the front connection into the drawer sides. The front panel engages automatically, fit the front stabiliser.



Removing the front panel

Use Pozidriv No. 2 screw driver to release.

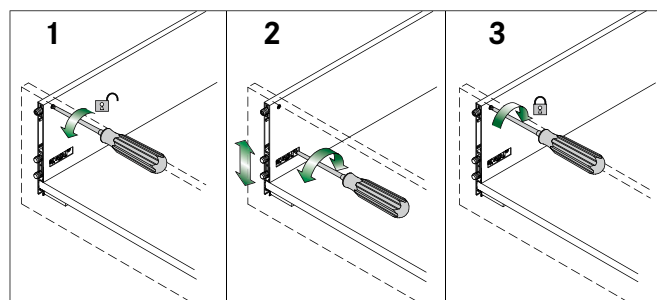
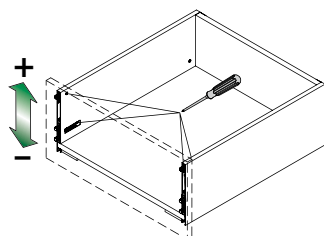


PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Assembly technology	80
Slides	26	Sensomatic	51	Assembly aids	84
Inset panels	32	Organising systems	69	Packaging code	91

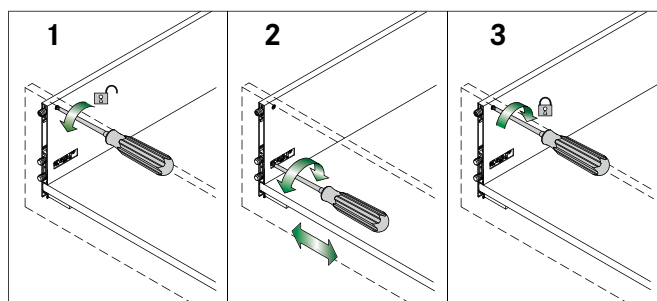
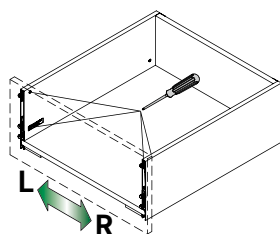
ADJUSTMENTS

Height adjustment with cam (+2.5/-1.5 mm)

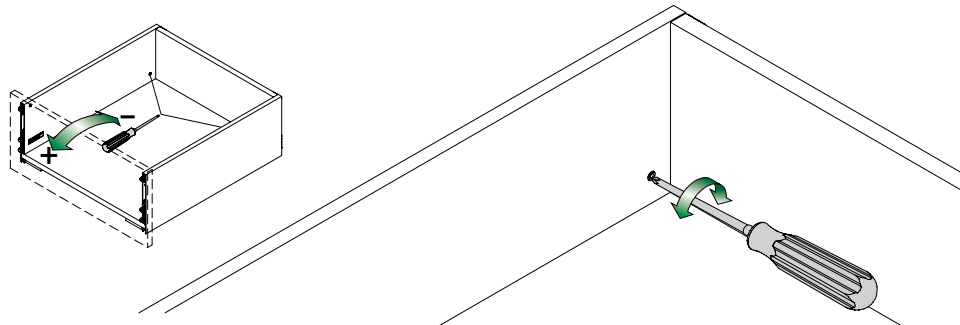


Side adjustment (± 1.5 mm)

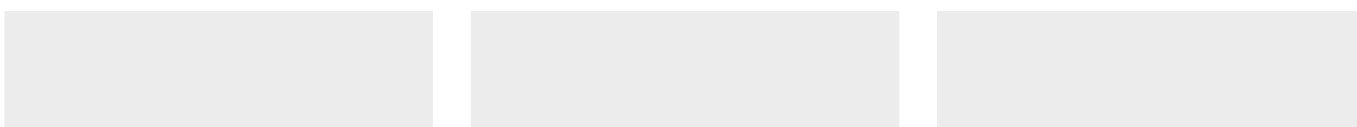
Adjust both sides.



Front tilt angle adjustment (+2.5/-1.5 mm)

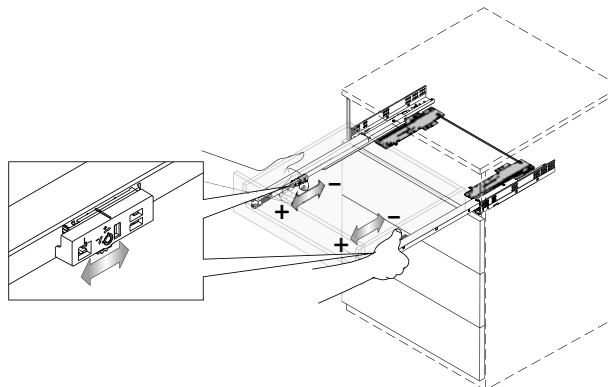
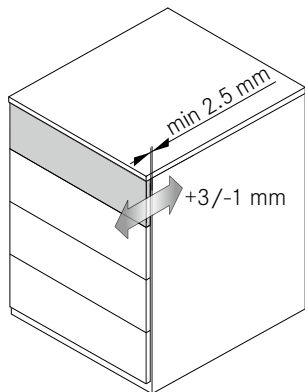


LEGEND

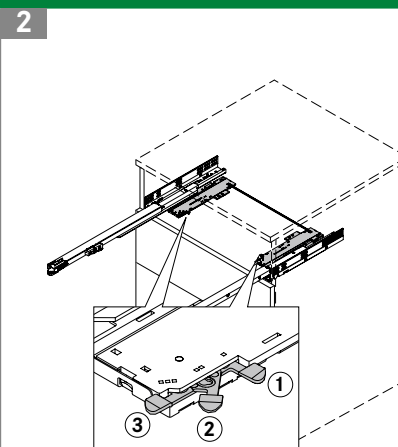
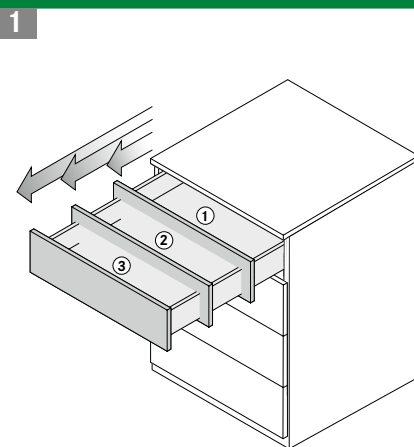
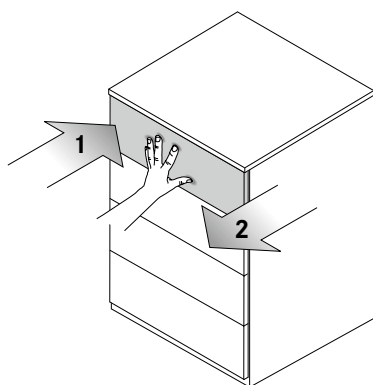


DYNAPRO TIPMATIC SOFT-CLOSE

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



Opening force



PAGE REFERENCES

Drawer sides	11
Slides	26
Inset panels	32

Steel back panels	40
Sensomatic	51
Organising systems	69

Assembly technology	80
Assembly aids	84
Packaging code	91

DYNAPRO TIPMATIC SOFT-CLOSE

Activation zone	

DYNAPRO TIPMATIC

Front gap adjustment (max. +1.5 mm)	Front gap adjustment from above	Front gap adjustment from below
Reliable opening and closing of the drawer depends on the front gap adjustment (min. 4.5 mm = factory setting). If the front height is greater than 300 mm the front gap must be increased to the maximum 6 mm.		

DYNAPRO DEPTH ADJUSTMENT

Depth adjustment (max. +3.5 mm)		
Can be used for Dynapro Soft-close (not compatible with Dynapro Tipmatic and Dynapro Tipmatic Soft-close).		

LEGEND

--	--	--



SENSOMATIC OPENING SYSTEM

Small lever. Large effect.
Functional technology starts with the detail.

QUALITY CERTIFICATE
LGAI

Ideally, the development of new movement systems focuses directly on its future users. Sensomatic is a perfect example.

The electro-mechanical system supports the opening process with a small lever which gently starts the drawer movement. Sensomatic is extremely frugal. This is true of both the consumption of electricity and the space required by the drive unit behind the drawer.

The fact that the opening system can be triggered anywhere on the front surface means that it is a perfect movement system that already meets the functional requirements of the future.

VIONARO SENSOMATIC

Electro-mechanical opening of drawers.

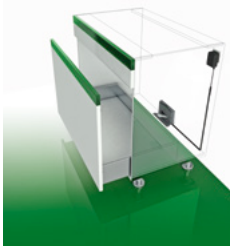
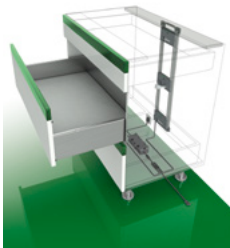
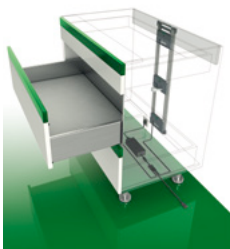
For a balance between stylish design and functional comfort.

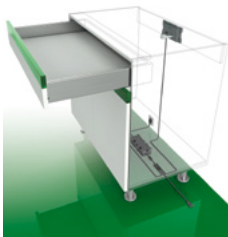
Product designation	Page
Sensomatic single set	54
Standard cabinet with horizontal wooden stretcher	56
Standard cabinet with vertical wooden stretcher	58
Single drawer with overhead frame set mounting	60
Single drawer with back panel frame set mounting	62
Installation instructions	64

VIONARO SENSOMATIC

Electro-mechanical opening of drawers.

For a balance between stylish design and functional comfort.

	Product description	Page
	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)	54
	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	56
	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	58
	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	60

	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	62

VIONARO 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:**

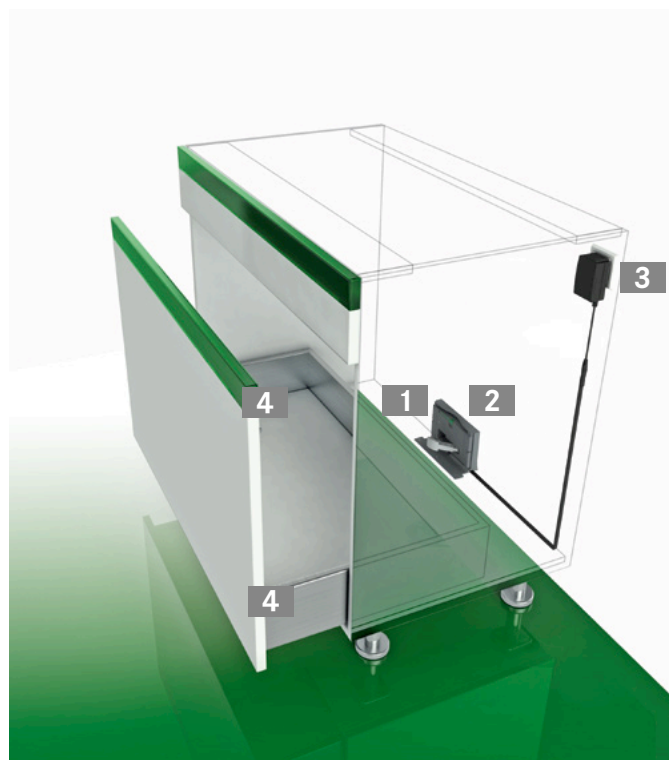
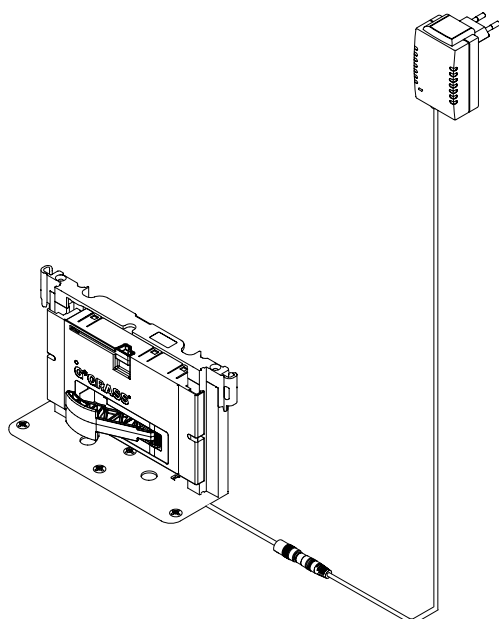
Other country-specific sets available on request

ORDER INFORMATION

Sensomatic single set		
	Art.-no.	PU
for Dynapro	F121101208	201

1 set includes:

- 1** drive unit (1x)
- 2** installation set (1x)
- 3** power supply unit with plug (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	11	Steel back panels	40	Assembly technology	80
Slides	26	Installation instructions	64	Assembly aids	84
Inset panels	32	Organising systems	69	Packaging code	91

PLANNING DIMENSIONS

Installation dimensions												
		<table><tr><th>RW</th><th>min. LWK</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>273</td><td>NL+15</td><td>NL</td></tr></table>	RW	min. LWK	MET	LBT	Wood	273	NL+15	NL		
RW	min. LWK	MET	LBT									
Wood	273	NL+15	NL									
Frame set												
Position of drive unit		Position of front buffer										
Note: When installing 70 kg Dynapro slides, 4 front buffers must be inserted into the front.												

LEGEND

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

LWK Inside cabinet width
MET Minimum installation depth
NL Nominal length
P Positioning aid

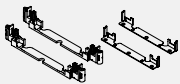
RW Back panel

VIONARO SENSOMATIC

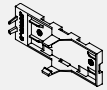
Standard cabinet with horizontal wooden stretcher

ORDER INFORMATION

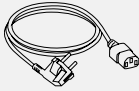
1 Drive unit	
	Art.-no. PU
for Dynapro	F121101195 607

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

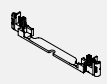
3b Fixing brackets top/bottom	
	Art.-no. PU
	F121100270 211

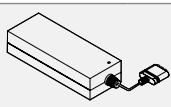
5 Power supply unit holder	
	Art.-no. PU
	F121100604 507

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

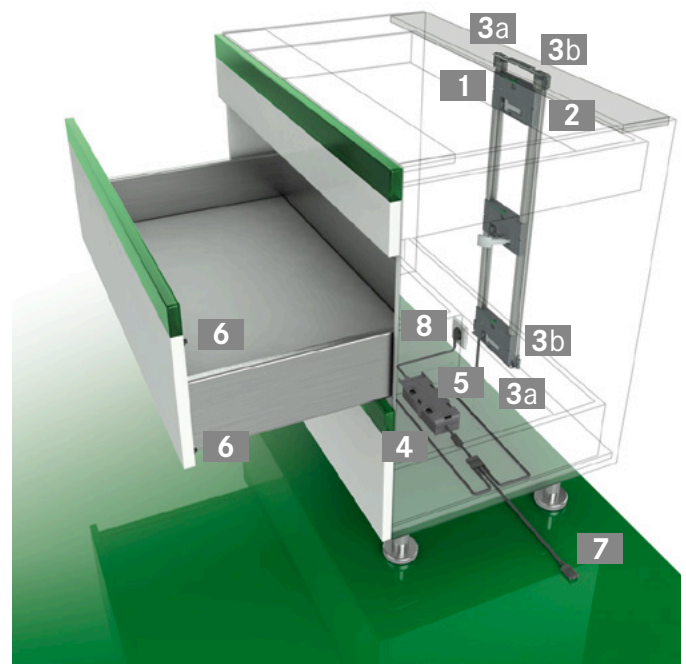
8 Power supply cable	
	Art.-no. PU
Plug	
Power supply cable K (USA, CAN)	F120069760 207
Power supply cable K (JP)	F120072445 207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761 207
Power supply cable E (DK)	F120069763 207
Power supply cable L (CH)	F120069765 207
Power supply cable D (UK, 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



PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Assembly technology	80
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Inset panels	32	Organising systems	69	Packaging code	91

PLANNING DIMENSIONS

Installation dimensions

Top view diagram of the drawer system showing dimensions: MET (minimum installation depth), LWT (inside cabinet width), LBT (depth of hole pattern), KF (cable routing), 52 (distance from edge to hole), Ø 10 (hole diameter), Ø 5/√5 min. (hole diameter), 96 (distance between holes), 160 (total width), 1/2 (offset from edge), and LWK (nominal length).

3D perspective view of the drawer system showing dimensions: LWK (nominal length), MET (minimum installation depth), and LBT (depth of hole pattern).

RW	min. LWK	MET	LBT
Wood	273	NL+15	NL

Fixing brackets, top/bottom

Diagram of the fixing brackets showing dimensions: 96 (distance between holes), P (positioning aid), 160 (total width), and 15 (height).

Position of drive unit

Side view diagram of the drawer system showing dimensions: LWK (nominal length), min. 64 (height), 15 (offset), (min. 88) (height), 15 (offset), (min. 88) (height), 15 (offset), min. 37 (height), 200 (width), TL = LHK - 31 (length of frame side), and LHK (inside cabinet height).

Position of front buffer

Diagram of the front buffer installation showing dimensions: FH ≤ 300 (height of front), 1/2 (offset), Ø 8 (Ø5) ±0.1 (hole diameter), FA / 2 (front overlay), FA (front overlay), min. 11 (offset), 20 (offset), FH > 300 (height of front), Ø 8 (Ø5) ±0.1 (hole diameter), FA / 2 (front overlay), FA (front overlay), and min. 11 (offset).

Note:

When installing 70 kg Dynapro slides, 4 front buffers must be inserted 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

VIONARO SENSOMATIC

Standard cabinet with vertical wooden stretcher

ORDER INFORMATION

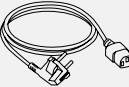
1 Drive unit	
	Art.-no. PU
for Dynapro	F121101195 607

3 Frame connector	
	Art.-no. PU
	F121100282 211

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

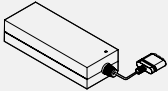
7 Power supply unit holder	
	Art.-no. PU
	F121100604 507

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

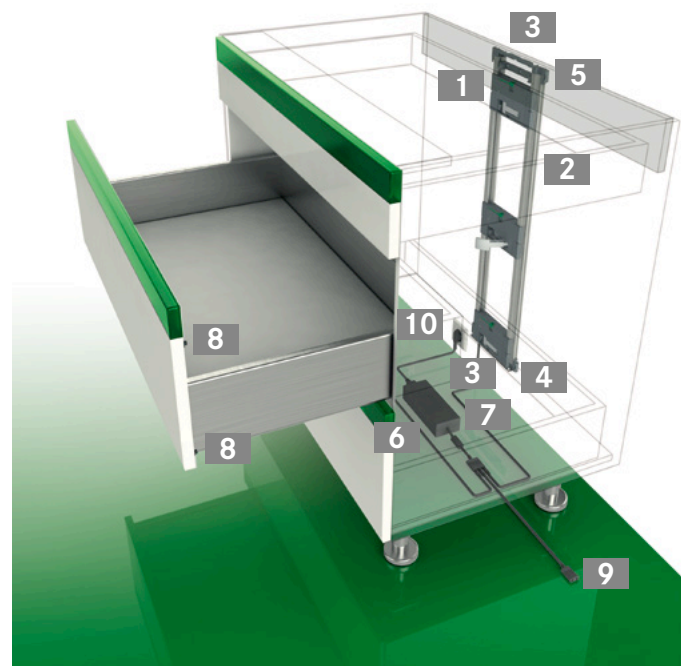
10 Power supply cable	
	K A E L D C
	Art.-no. PU
Power supply cable K (USA, CAN)	F120069760 207
Power supply cable K (JP)	F120072445 207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761 207
Power supply cable E (DK)	F120069763 207
Power supply cable L (CH)	F120069765 207
Power supply cable 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

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PLANNING DIMENSIONS

Installation dimensions												
		<table><tr><th>RW</th><th>min. LWK</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>273</td><td>NL+15</td><td>NL</td></tr></table>	RW	min. LWK	MET	LBT	Wood	273	NL+15	NL		
RW	min. LWK	MET	LBT									
Wood	273	NL+15	NL									
Fixing bracket, top/bottom		Fixing bracket, back, inside mounted										
Position of drive unit		Position of front buffer										
Note: When installing 70 kg Dynapro slides, 4 front buffers must be inserted 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

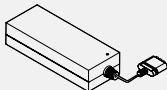
VIONARO SENSOMATIC

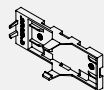
Single drawer with overhead frame set mounting

ORDER INFORMATION

1 Drive unit		
		
	Art.-no.	PU
for Dynapro	F121101195	607

2 Installation set		
		
	Art.-no.	PU
	F121100273	207

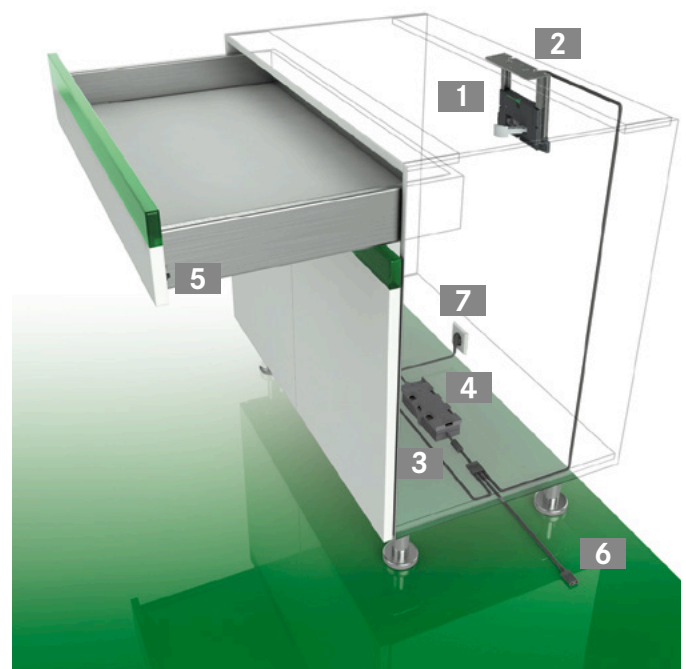
3 Power supply unit		
		
	Art.-no.	PU
	F121100269	607

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

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

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

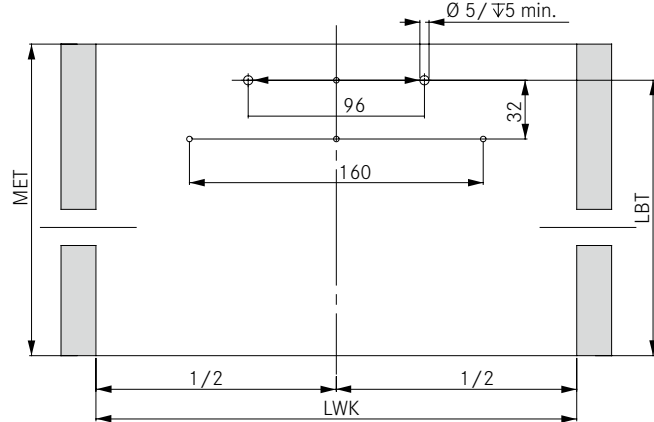
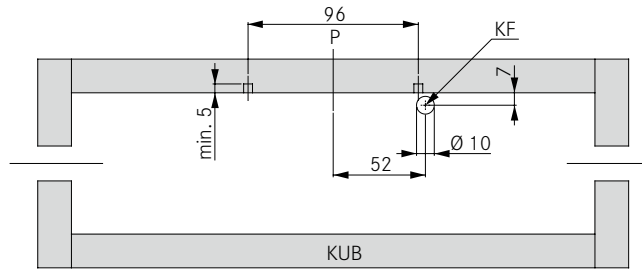
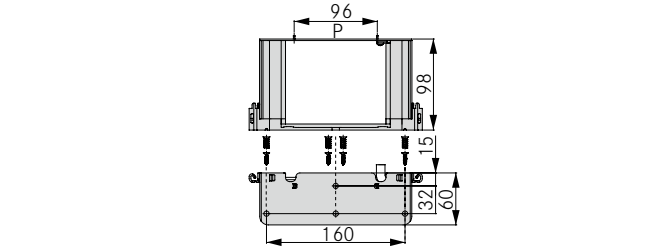
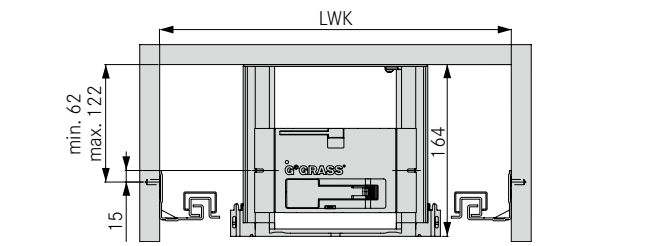
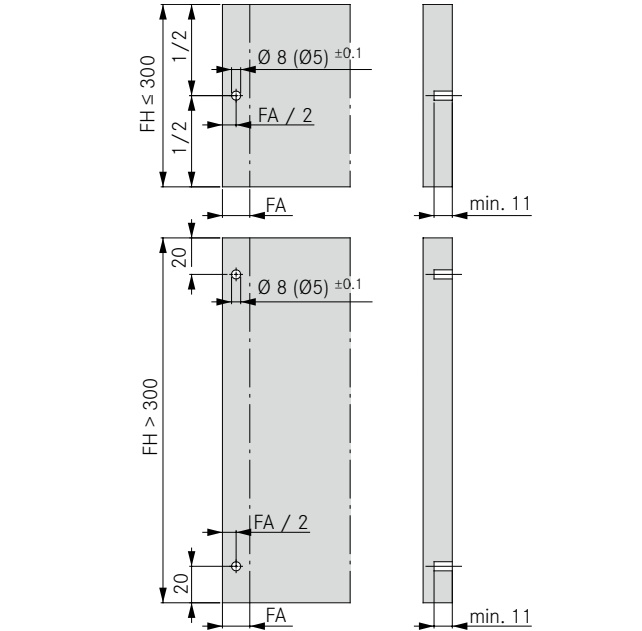
7 Power supply cable		
		
	K A E L D C	
Plug	Art.-no.	PU
Power supply cable K (USA, CAN)	F120069760	207
Power supply cable K (JP)	F120072445	207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761	207
Power supply cable E (DK)	F120069763	207
Power supply cable L (CH)	F120069765	207
Power supply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



PAGE REFERENCES

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PLANNING DIMENSIONS

Installation dimensions												
												
		<table><tr><th>RW</th><th>min. LWK</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>273</td><td>NL+15</td><td>NL</td></tr></table>	RW	min. LWK	MET	LBT	Wood	273	NL+15	NL		
RW	min. LWK	MET	LBT									
Wood	273	NL+15	NL									
Frame set												
												
Position of drive unit		Position of front buffer										
												
Note: When installing 70 kg Dynapro slides, 4 front buffers must be inserted 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		

VIONARO SENSOMATIC

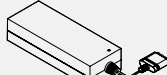
Single drawer with back panel frame set mounting

ORDER INFORMATION

1 Drive unit	
	Art.-no. PU
for Dynapro	F121101195 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

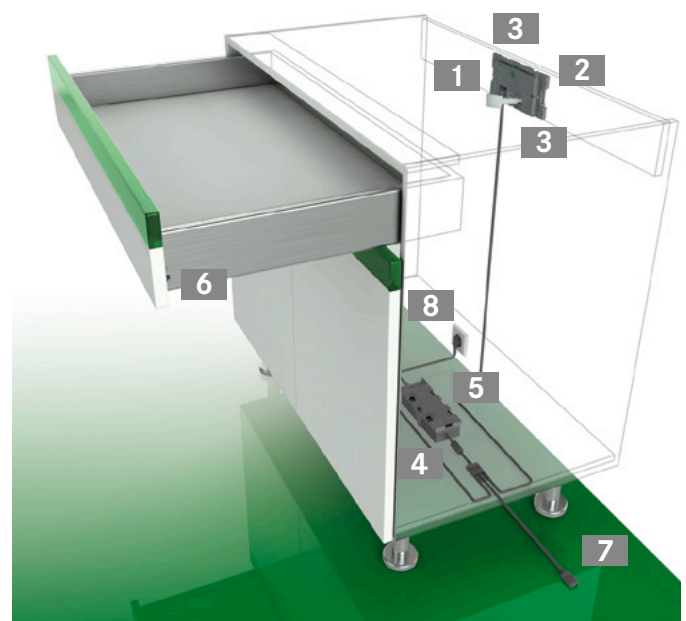
4 Power supply unit	
	Art.-no. PU
	F121100269 607

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

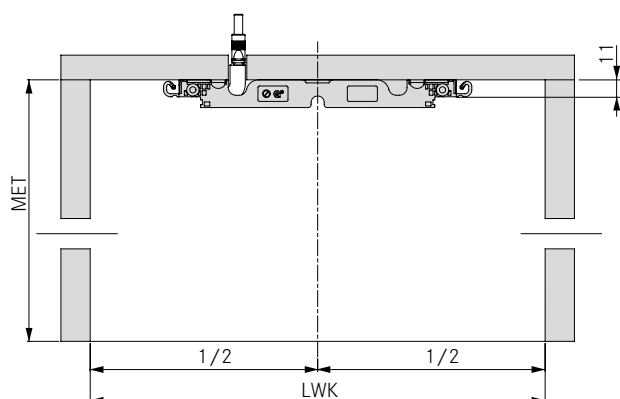


PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Assembly technology	80
Slides	26	Installation instructions	64	Assembly aids	84
Inset panels	32	Organising systems	69	Packaging code	91

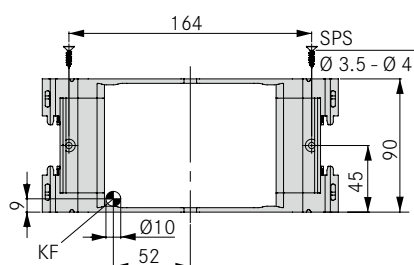
PLANNING DIMENSIONS

Installation dimensions

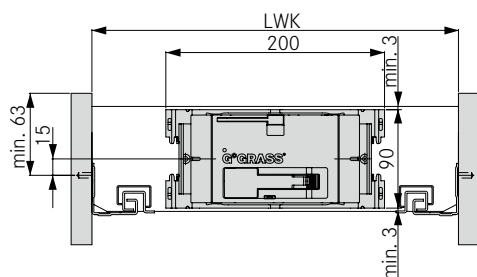


RW	min. LWK	MET
Wood	273	NL+15

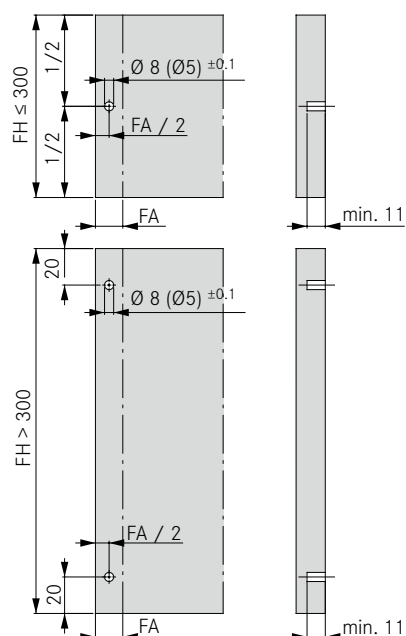
Frame sides



Position of drive unit



Position of front buffer



Note:

When installing 70 kg Dynapro slides, 4 front buffers must be inserted into the front.

LEGEND

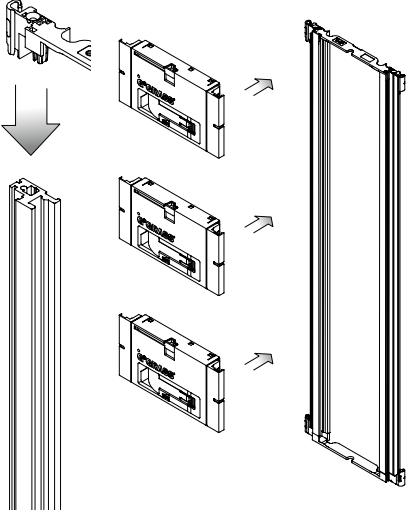
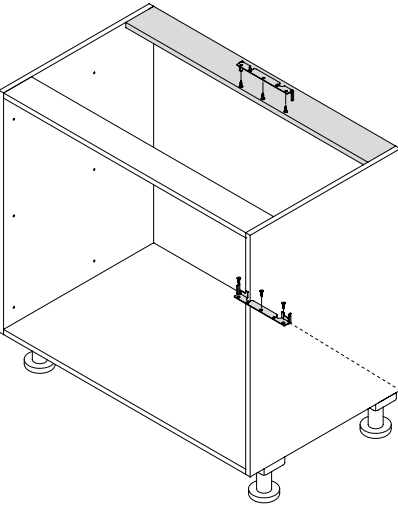
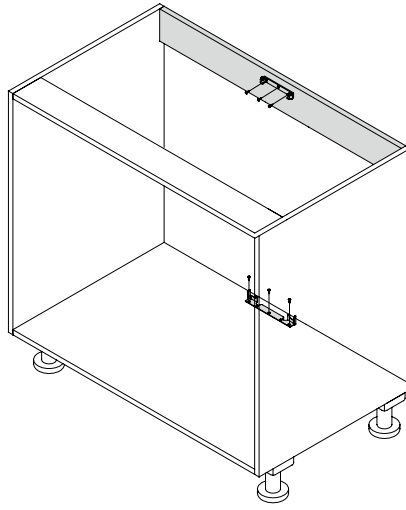
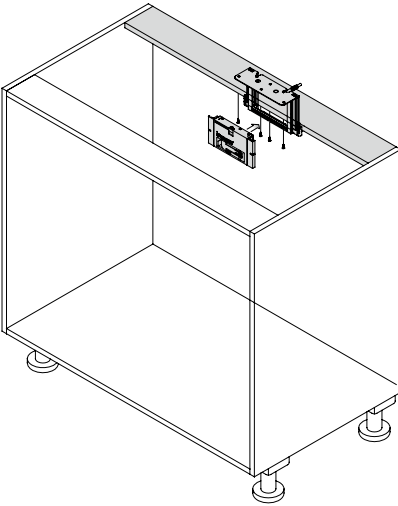
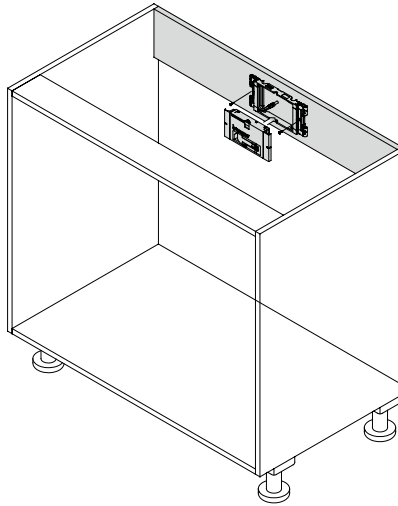
FA Front overlay
FH Height of front
KF Cable routing
LWK Inside cabinet width

MET Minimum installation depth
NL Nominal length
RW Back panel
SPS Chipboard screw

VIONARO SENSOMATIC

Installation instructions

INSTALLATION INSTRUCTIONS

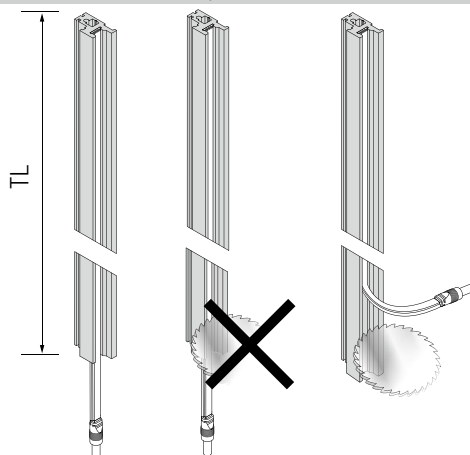
Frame installation	Standard cabinet installation with horizontal wooden stretcher	Standard cabinet installation with vertical wooden stretcher
		
Overhead frame set mounting, single drawer	Back panel frame set mounting, single drawer	
		

PAGE REFERENCES

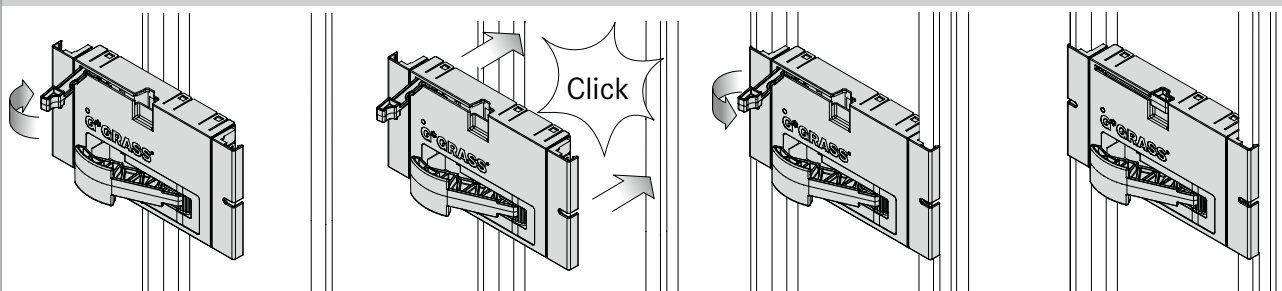
Horizontal wooden stretcher	56	Back panel frame set mounting	62	Steel back panels	40
Vertical wooden stretcher	58	Drawer sides	11	Assembly technology	80
Overhead frame set mounting	60	Slides	26	Packaging code	91

INSTALLATION INSTRUCTIONS

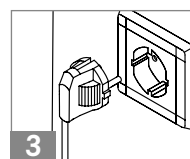
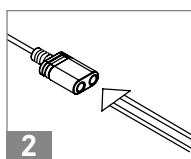
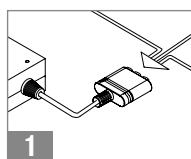
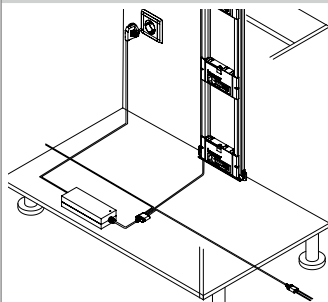
Cutting frame element to length (horizontal and vertical wooden stretchers)



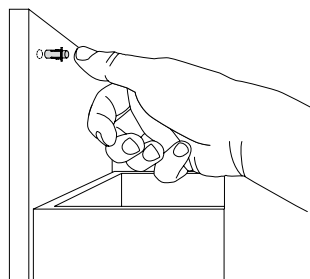
Installation of drive unit



Wiring (connection sequence)

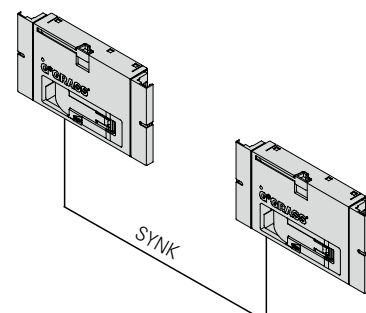
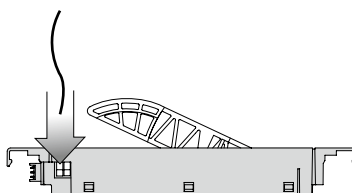
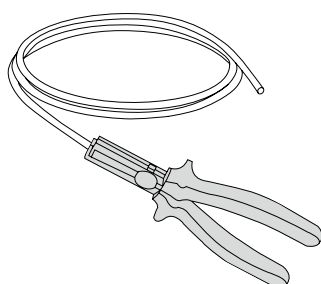


Inserting front buffer



Do not drive in or glue!

Installing the synchronisation cable



LEGEND

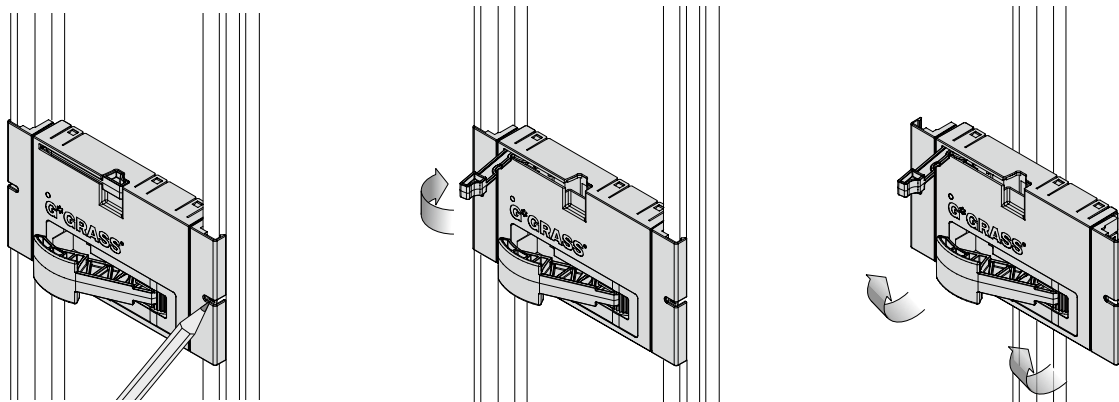
SYNK Synchronisation cable
TL Length of frame side

VIONARO SENSOMATIC

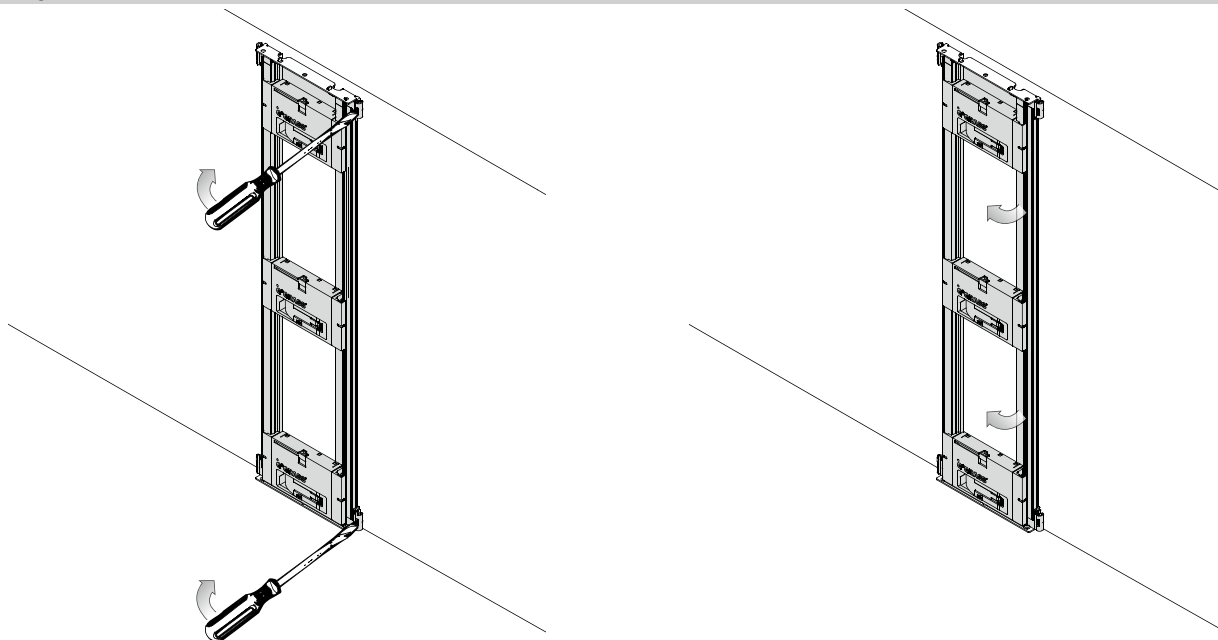
Dismantling instructions

DISMOUNTING

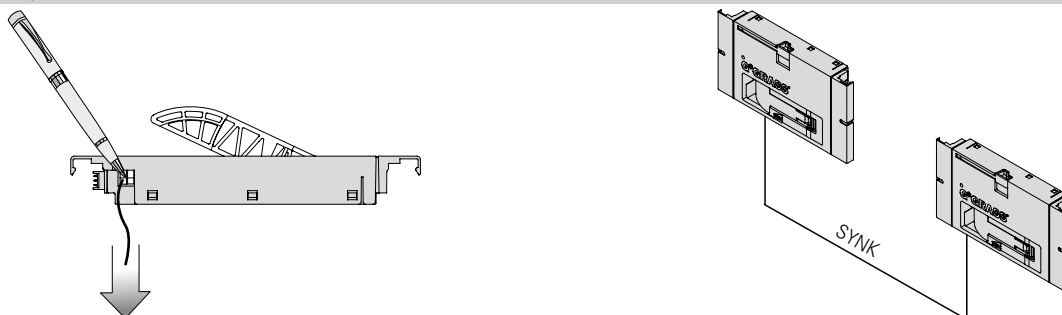
Dismantling the drive unit



Dismantling the frame sides



Dismantling the synchronisation cable

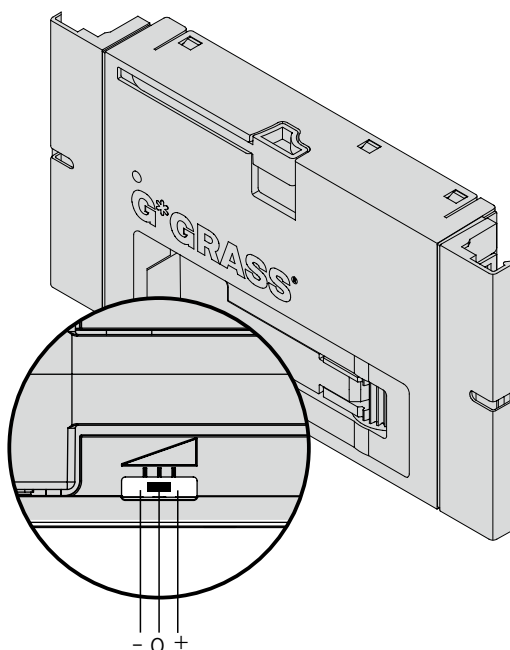


PAGE REFERENCES

Horizontal wooden stretcher	56	Back panel frame set mounting	62	Steel back panels	40
Vertical wooden stretcher	58	Drawer sides	11	Assembly technology	80
Overhead frame set mounting	60	Slides	26	Packaging code	91

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 installation of 2 drive units. The synchronisation cable ensures that these units are activated simultaneously.
- **Important:**
In the area of the drive lever, no screws must be inserted into the drawer back panel
- With each 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**
Voltage supply: 100 to 240 V
Power supply frequency: 50 to 60 Hz
Max. power output: 230 W
- **Drive unit**
Voltage supply: 24 V
- **Operating conditions**
Temperature: 0 to 50 °C
Relative humidity: 15 to 90 %
non-condensing

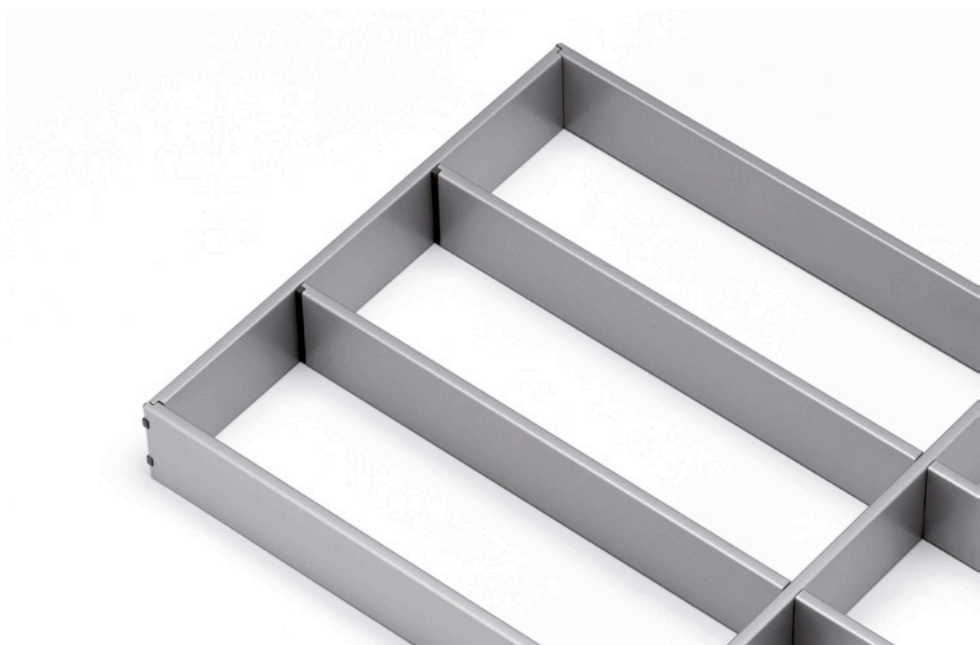
LEGEND

SYNK Synchronisation cable



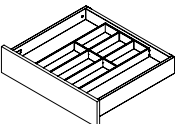
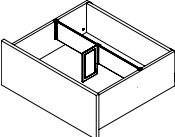
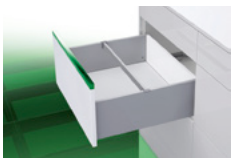
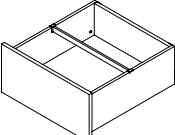
Tavinea Sorto. Simple. Attractive. Tidy.

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.



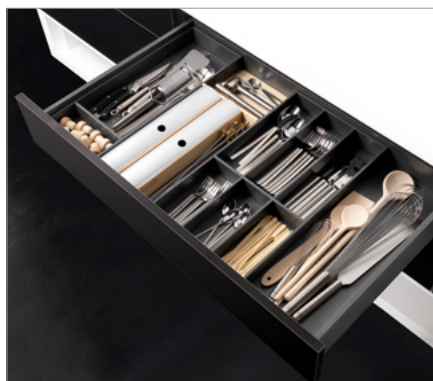
DIVIDING AND ORGANISING SYSTEMS

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		70
	Tavinea Optima • Dividing system for pot drawers • Organises the storage space for clear and tidy arrangement • Easy installation without tools		76
	Divider railing • Divider railing for all Vionaro regular and pot drawers • Tipmatic element integrated into the slide • Can be retrofitted at any time • Tool-free adjustment		78

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



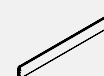
NL	Silver grey				Graphite							
	Art.-no.	201	207	PU	Art.-no.	201	207	PU				
350	F007130148	201			F007130149	201						
400	F007130151	201			F007130152	201						
450	F007130154	201			F007130155	201						
500	F007130157	201			F007130158	201						
550	F007130160	201			F007130161	201						
600	F007130163	201			F007130164	201						
650	F007130166	201			F007130167	201						

2 Tavinea Sorto B276 Single item



NL	Silver grey				Graphite							
	Art.-no.	201	207	PU	Art.-no.	201	207	PU				
400	F007130130	201			F007130131	201						
450	F007130133	201			F007130134	201						
500	F007130136	201			F007130137	201						
550	F007130139	201			F007130140	201						
600	F007130142	201			F007130143	201						
650	F007130145	201			F007130146	201						

3 Tavinea Sorto divider rail Single item



NL	Silver grey				Graphite							
	Art.-no.	201	207	PU	Art.-no.	201	207	PU				
350	F007130169	207			F007130170	207						
400	F007130172	207			F007130173	207						
450	F007130175	207			F007130176	207						
500	F007130178	207			F007130179	207						
550	F007130181	207			F007130182	207						
600	F007130184	207			F007130185	207						
650	F007130187	207			F007130188	207						

PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Installation information	74
Slides	26	Sensomatic	51	Assembly technology	80
Inset panels	32	Accessories	72	Assembly aids	84

1 Tavinea Sorto B186



NL 350



NL 400 - 500

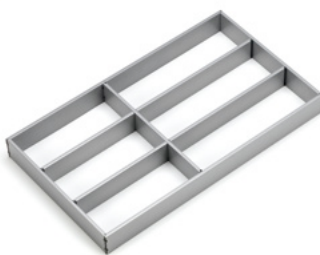


NL 550 - 650

2 Tavinea Sorto B276



NL 400



NL 450 - 500

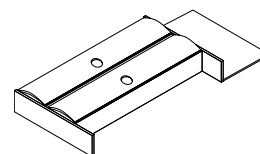
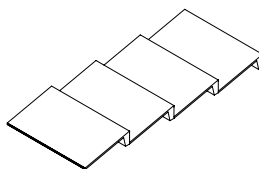
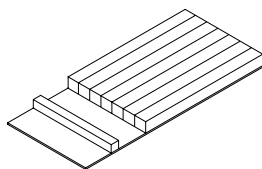


NL 550 - 650

3 Tavinea Sorto divider rail



Tavinea Sorto accessories see page 72

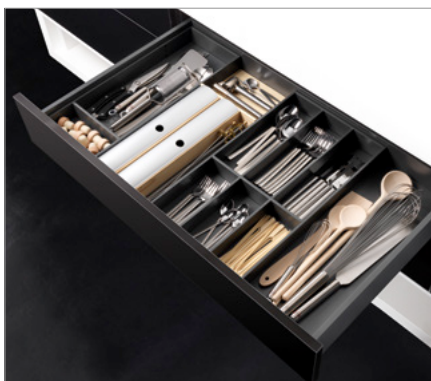


LEGEND

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

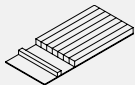
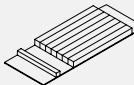
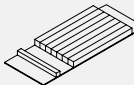
Packaging unit (PU):

201 = 1 unit in a cardboard box

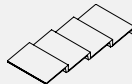
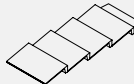
Note:

Accessories are hygiene-tested and non-toxic

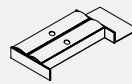
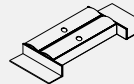
ORDER INFORMATION

1 Knife block Single item						
Material	NL 450	PU	NL 500	PU	NL 550 ¹	PU
Light ash	F007108661	201	F007102418	201	F007102418 F007108659	201
Dark ash	F007108662	201	F007102424	201	F007102424 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				F007102420	201	F007102420 F007108659	201
Dark ash				F007102426	201	F007102426 F007108660	201

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

3	Foil holder Single item						
				NL 500	PU	NL 550 ¹	PU
		Light ash		F007102422	201	F007102422 F007108659	201
		Dark ash		F007102428	201	F007102428 F007108660	201

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

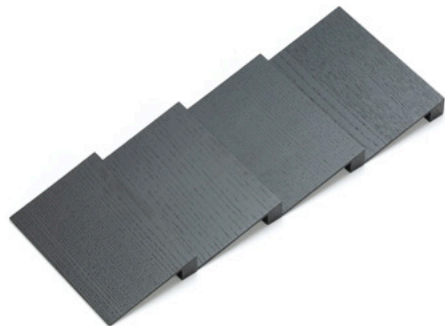
PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Installation information	74
Slides	26	Sensomatic	51	Assembly technology	80
Inset panels	32	Tavinea Sorto	70	Assembly aids	84

1 Knife block



2 Spice rack

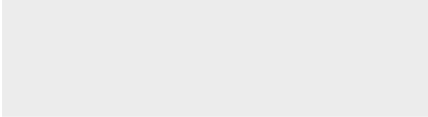
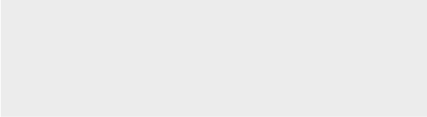
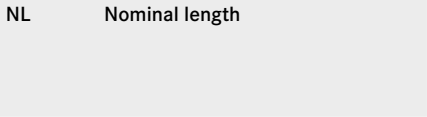


3 Foil holder



LEGEND

NL Nominal length

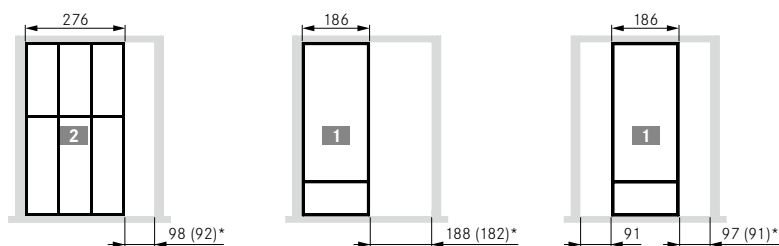
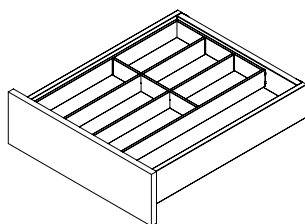


TAVINEA SORTO

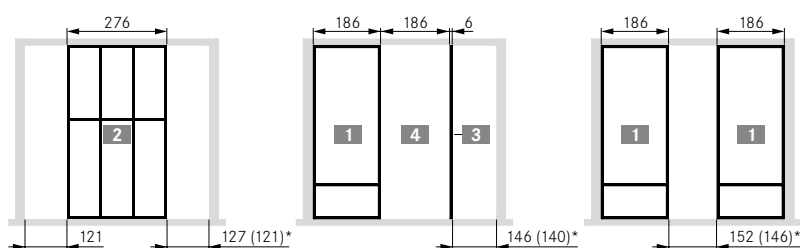
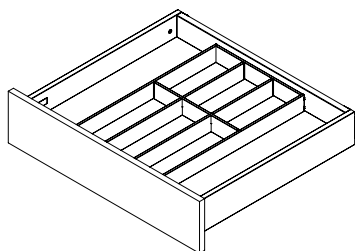
Installation information

APPLICATION EXAMPLES

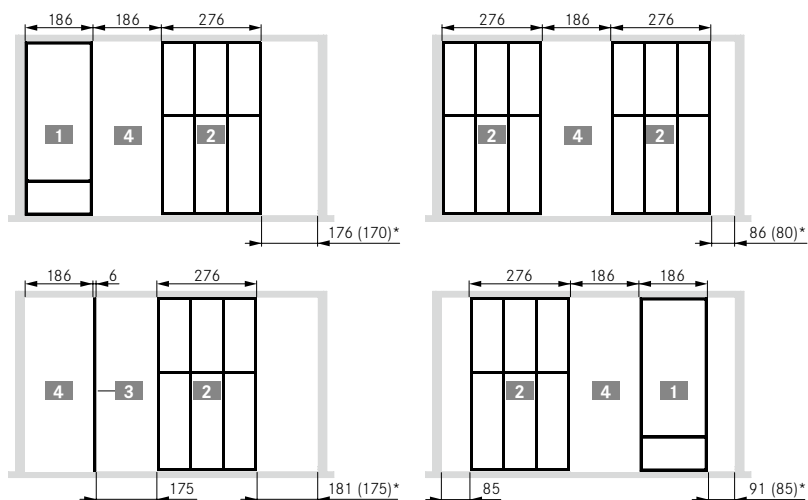
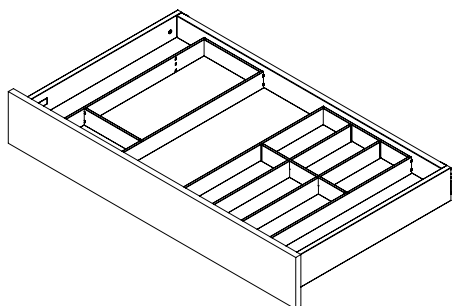
KB 450



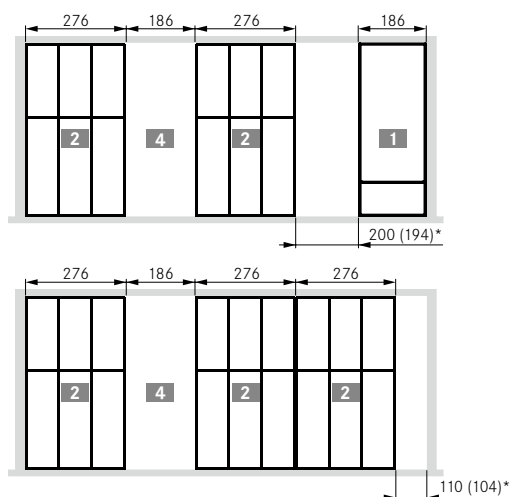
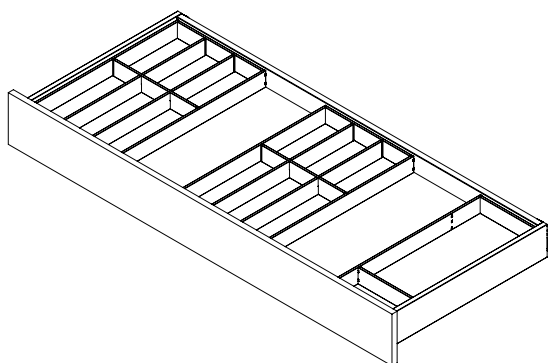
KB 600



KB 900

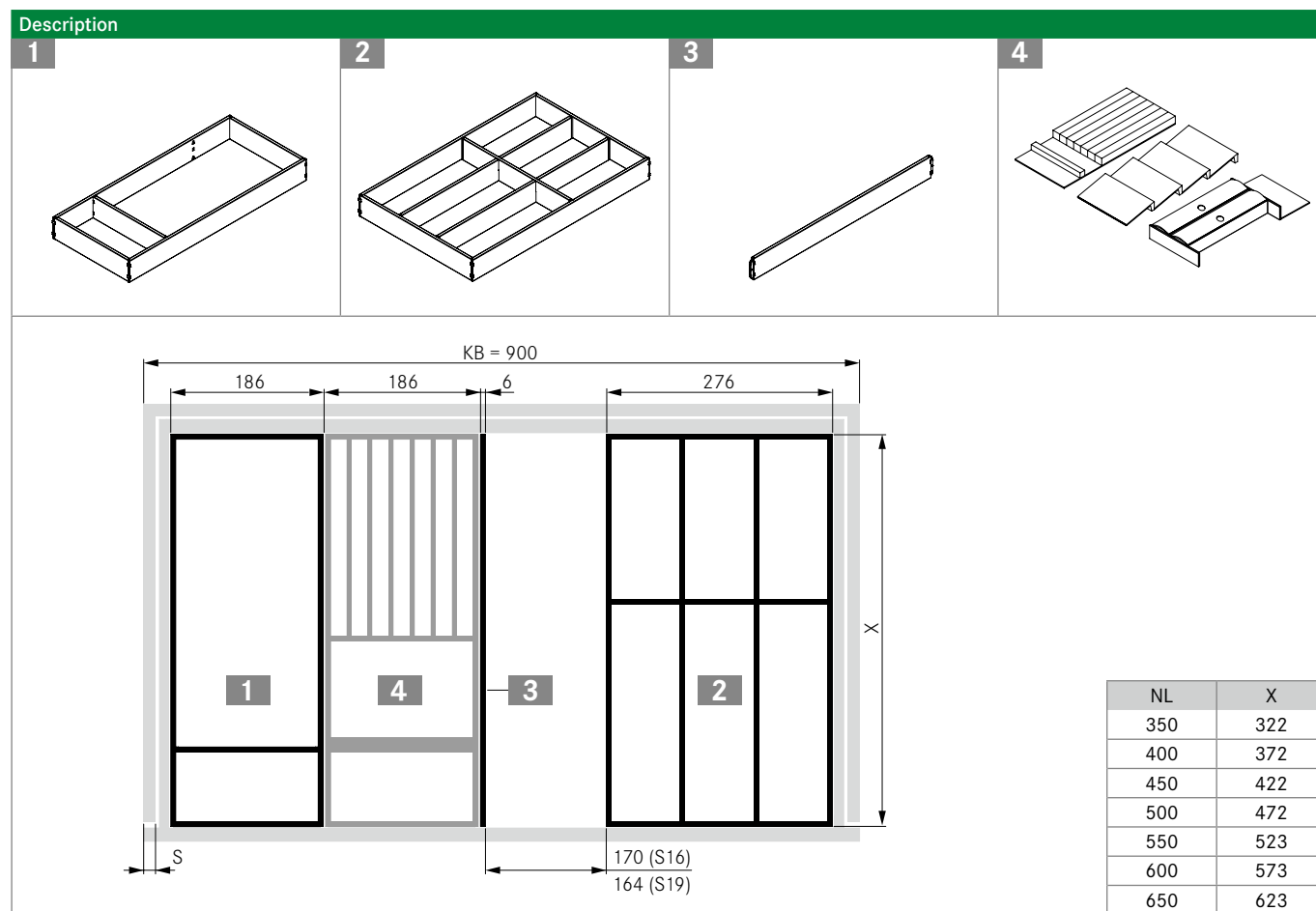


KB 1200

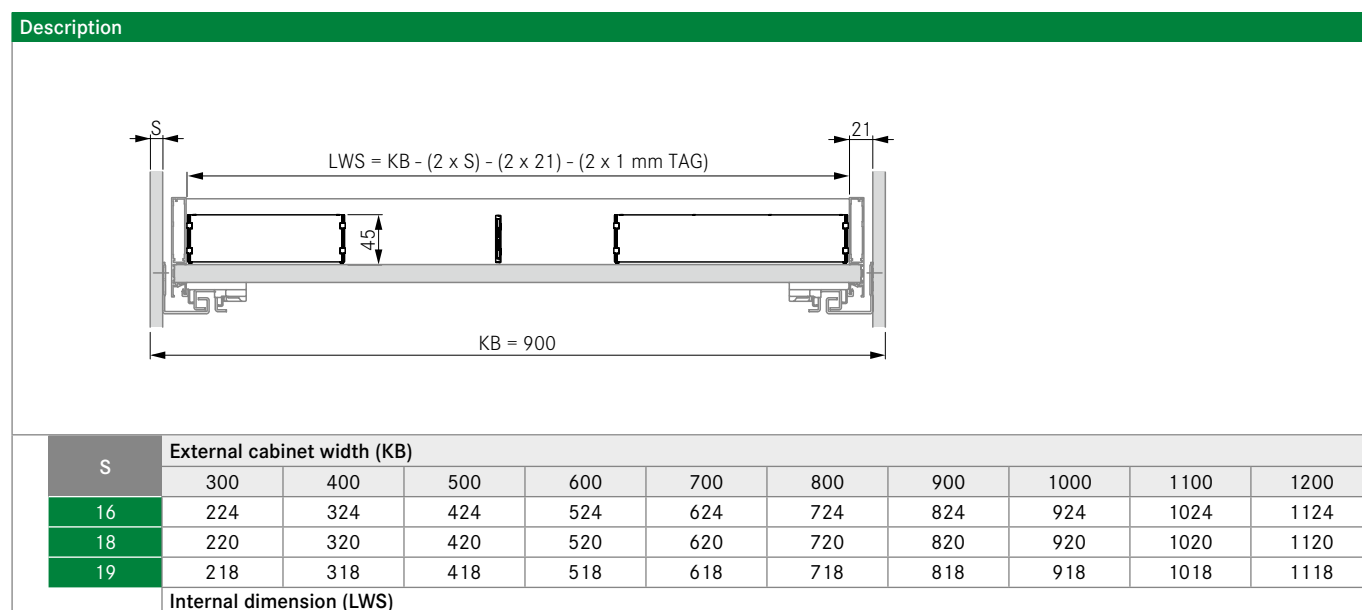


* S16 (S19)

APPLICATION EXAMPLE



INSTALLATION INFORMATION



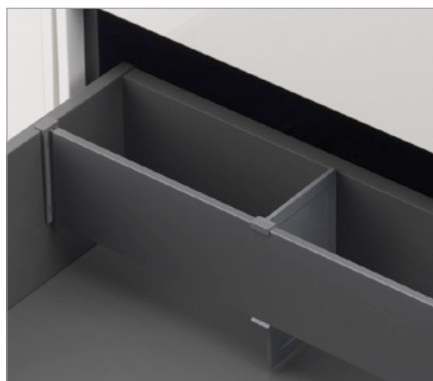
LEGEND

KB	Cabinet width
LWS	Clear drawer width
NL	Nominal length
S	Cabinet side wall

TAG	Tolerance compensation
-----	------------------------

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

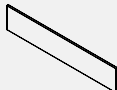
Packaging unit (PU):

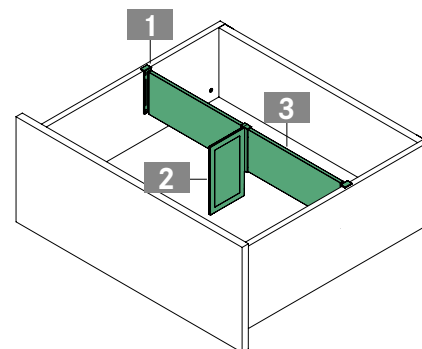
211 = 20 units in a cardboard box
 507 = 10 units in PE in a cardboard box
 511 = 20 units in PE in a cardboard box

ORDER INFORMATION

1 Tavinea Optima profile clip Single item: can be used on left/right																	
Silver grey				Graphit				Snow white									
Art.-no.		PU		Art.-no.		PU		Art.-no.		PU							
F007130230		511		F007130228		511		F007130229		511							

2 Tavinea Optima Smartboard Single item																	
Silver grey				Graphit				Snow white									
Art.-no.		PU		Art.-no.		PU		Art.-no.		PU							
F007130247		211		F007130245		211		F007130246		211							

3 Tavinea Optima divider profile Single item: for cutting to length																	
L	Silver grey				Graphit				Snow white								
	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU						
1108	F007130241	507			F007130242	507			F007130243	507							

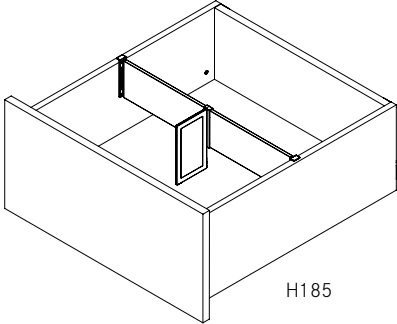
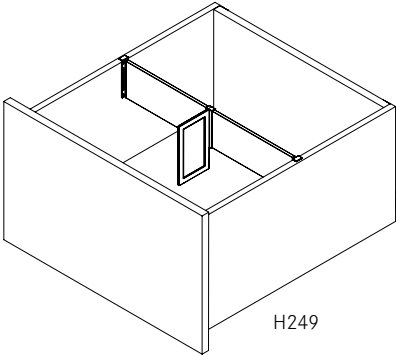
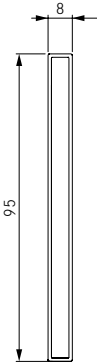
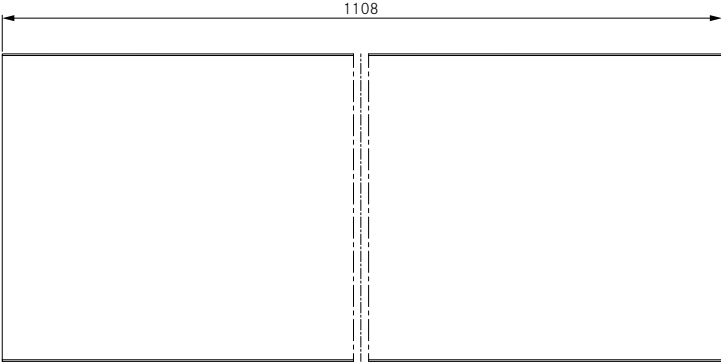
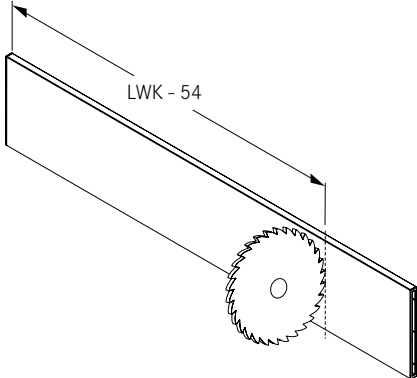
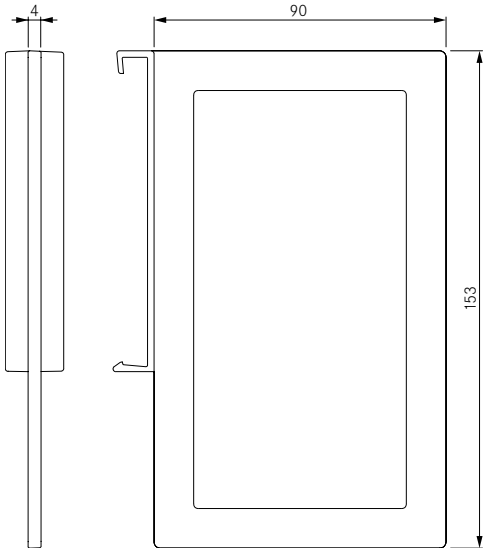


PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Assembly aids	84
Slides	26	Sensomatic	51	Packaging code	91
Inset panels	32	Assembly technology	80		

PLANNING DIMENSIONS

All dimensions in millimetres

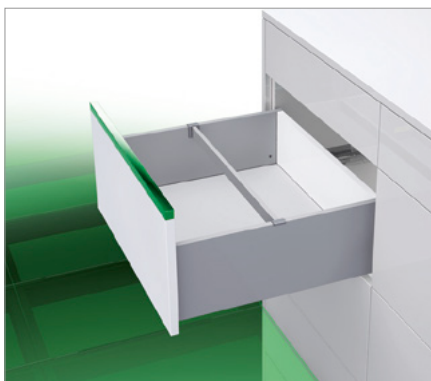
Applications	
 	
Divider profile	
 	
Cutting dimensions, divider profile	Smartboard
	

LEGEND

L	Length
LWK	Inside cabinet width

VIONARO

Divider railing



- Divider railing for all Vionaro regular and pot drawers
- Simple assembly by mounting onto the drawer side
- Can be retrofitted at any time
- Tool-free adjustment

Packaging unit (PU):

507 = 10 units in PE in a cardboard box

533 = 200 units in PE in a cardboard box

ORDER INFORMATION

1

Divider railing

Single item: For cutting to length

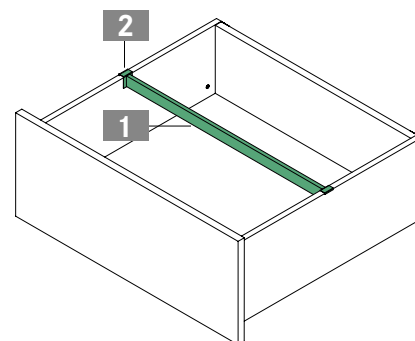
L	Silver grey				Graphite				Snow white							
	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU					
1124	F136107415	507			F136107416	507			F136107417	507						

2

Clip for divider railing

Single item: Can be used on left/right

	Silver grey				Graphite				Snow white							
	Art.-no.		PU		Art.-no.		PU		Art.-no.		PU					
	F136107479	533			F136107480	533			F136107481	533						

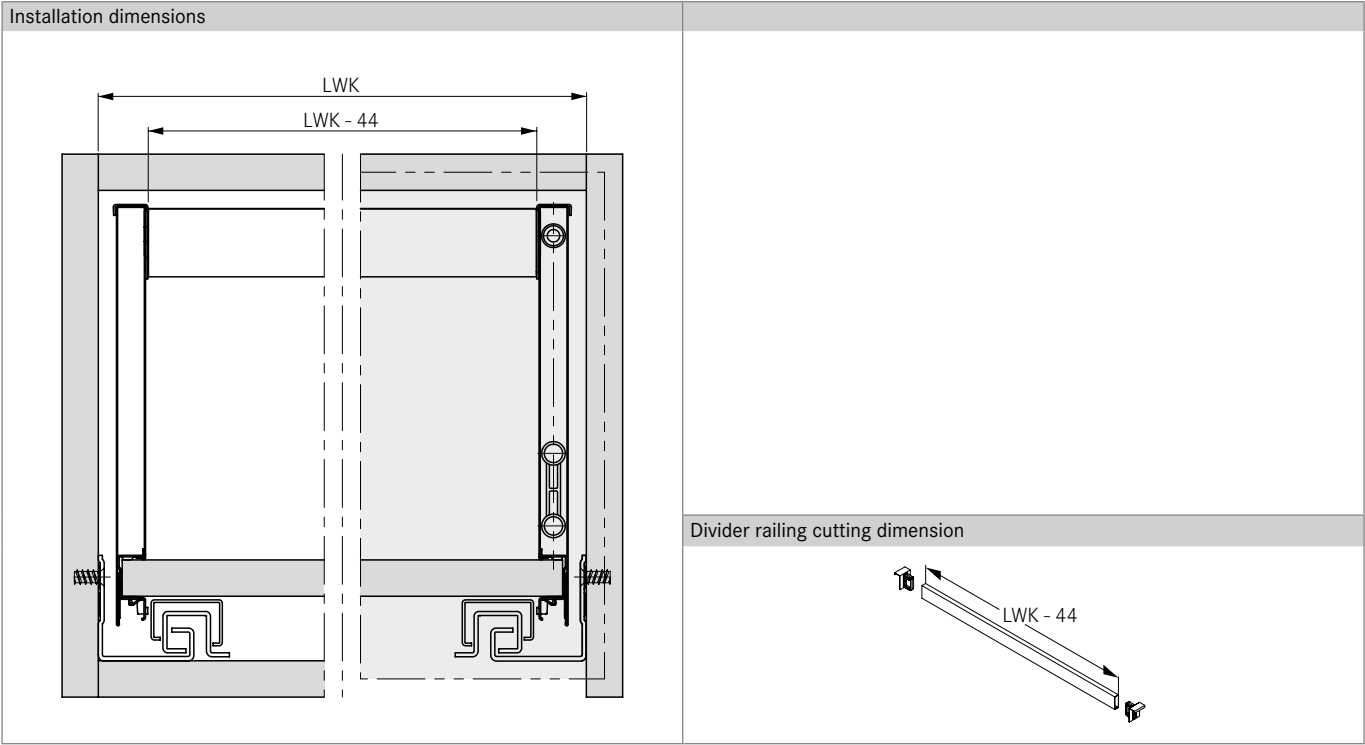


PAGE REFERENCES

Drawer sides	11	Steel back panels	40	Assembly aids	84
Slides	26	Sensomatic	51	Packaging code	91
Inset panels	32	Assembly technology	80		

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

L	Length
LWK	Inside cabinet width

TECMATOR ZP-V-E

Industrial production of Vionaro regular and pot drawers



- Suitable for press fitting Vionaro steel drawers (H89 / H121 / H185) with wooden or steel back panels
- Simple handling of the individual parts on the machine
- For series production
- Automatic press fitting of the bottom spike
- Stepless width adjustment
- Standard widths with locking positions
- Sturdy frame construction

Note:

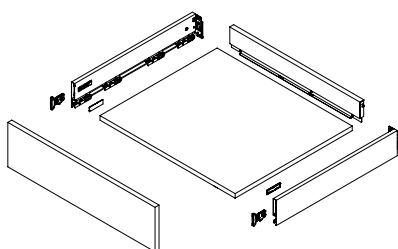
- Wooden back panels can only be used if the steel pushers for press-in dowel insertion are removed or the back panels are pre-drilled

ORDER INFORMATION

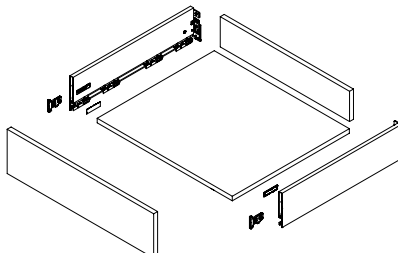
Designation	Art.-no.	PU
Tecmator ZP-V-E	F146101343	299*

* on request

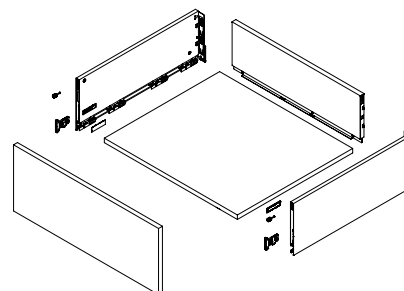
VIONARO H89



VIONARO H121



VIONARO H185



ADVANTAGES

Easy width adjustment thanks to pneumatic clamping



The individual components of the machine can be easily handled



The frame structure ensures excellent stability



PAGE REFERENCES

Drawer sides	11
Slides	26
Inset panels	32

Steel back panels	40
Sensomatic	51
Organising systems	69

Assembly aids	84
Packaging code	91

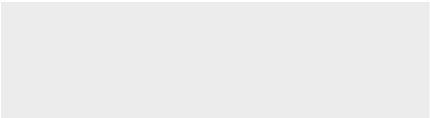
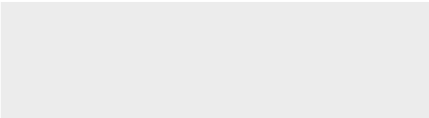
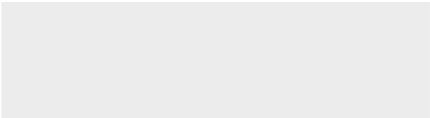
TECHNICAL DATA

Connections	
Pneumatic	6 bar dry

Dimensions	
Width	1.80 m
Depth	1.00 m
Height	1.90 m

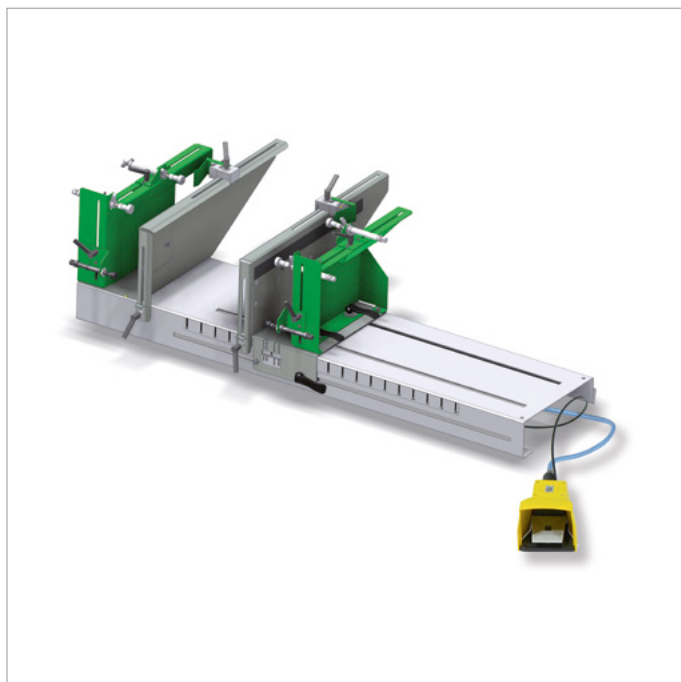
Weight	
ZP-V-E	120 kg

LEGEND



TECMATOR ZMV-TP4

Semi-automatic assembly of regular and pot drawers

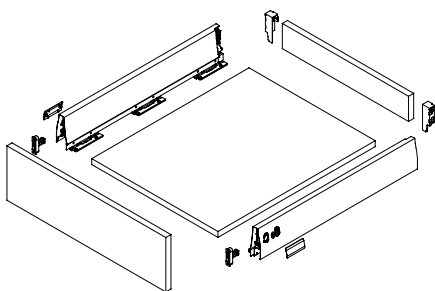


- Pneumatic table-top machine (up to a drawer width of 250 mm) for all GRASS slide systems: Nova Pro, DWD XP, Vionaro and Integra
- Drawers with an external cabinet width of up to 1200 mm can be processed with the ZMV-TP4
- Easy and straightforward handling
- Sturdy construction
- For small series production
- Pneumatic control system
- High performance

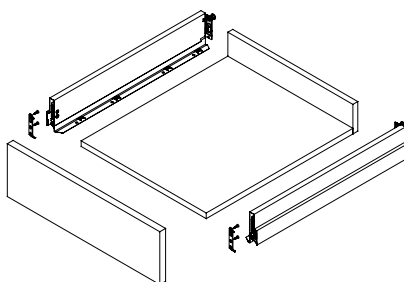
ORDER INFORMATION

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

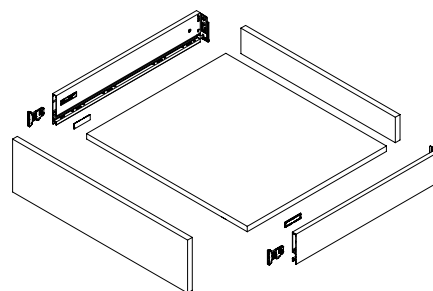
DWD XP



NOVA PRO

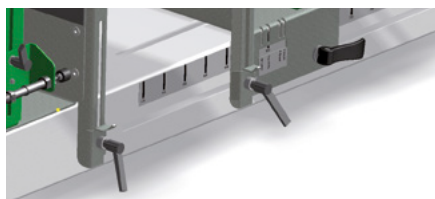


VIONARO

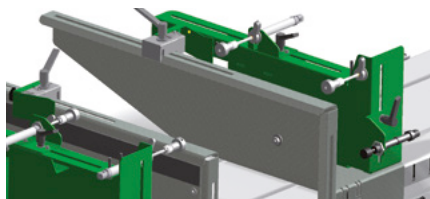


ADVANTAGES

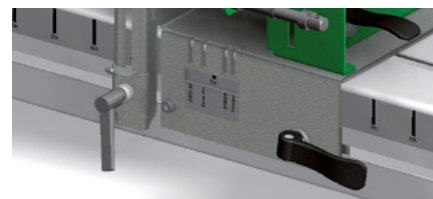
Tool-free setting



Sturdy base frame with pneumatic closing mechanism



All GRASS drawer systems can be processed



PAGE REFERENCES

Drawer sides	11
Slides	26
Inset panels	32

Steel back panels	40
Sensomatic	51
Organising systems	69

Assembly aids	84
Packaging code	91

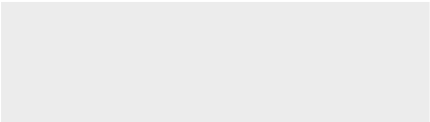
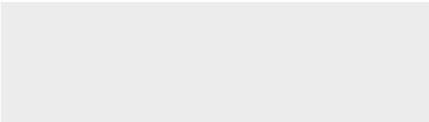
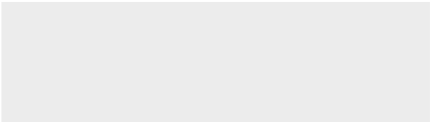
TECHNICAL DATA

Connections	
Pneumatic	6 bar

Dimensions	
Width	1.62 m
Depth	0.90 m
Height	0.5 m

Weight	
ZMV-TP4	65 kg

LEGEND



ASSEMBLY AIDS

Vionaro



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



FRONT DRILLING JIG

Front drilling jig for Vionaro front holder and front stabiliser.

	Art.-no.	PU
	F146100562	201



MARKING JIG

For exact marking of the holes for the Vionaro front holder and front stabiliser.

A set comprises:

- 2 marking jigs for front fixing H63

A set comprises:

- 2 marking jigs for front fixing H89/H121/H185/H249
- 2 marking jigs for front stabiliser H185/H249

	Art.-no.	PU
H63	F146101010	513
H89/H121/H185/H249	F146100545	513



PUNCHING TOOL

Punching tool for Vionaro front stabiliser.

	Art.-no.	PU
	F146116216	299

PAGE REFERENCES

Drawer sides	11
Slides	26
Inset panels	32

Steel back panels	40
Sensomatic	51
Organising systems	69

Assembly technology	80
Packaging code	91



PUNCHING TOOL

Punching tool for Vionaro bottom spike.

	Art.-no.	PU
	F146116217	299

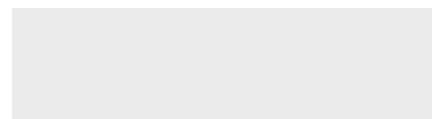
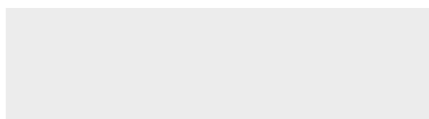
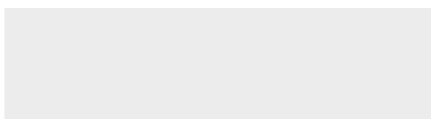


PUNCHING TOOL

Punching tool for Vionaro front holder with press-fit dowel.

	Art.-no.	PU
H63	F146117976	299
H89/H121/H185/H249	F146116213	299

LEGEND



ASSEMBLY AIDS

Dynapro

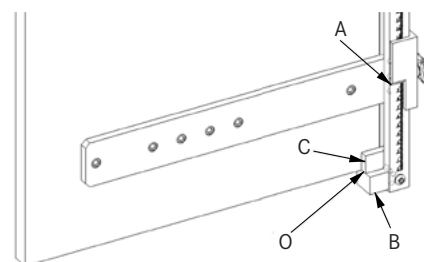


DRILLING JIG FOR CABINET MEMBER

One set includes:

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

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



	Art.-no.	PU
	F146094730	501



INDIVIDUAL MARKING ELEMENT

For extending the drilling jig
for cabinet member F146094730

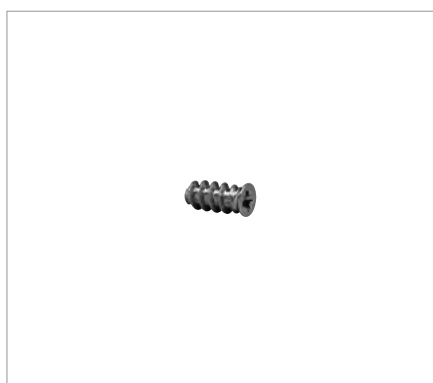
	Art.-no.	PU
	F146094721	299



DRILLING JIG FOR CABINET MEMBER

For use with pilot drill bit F146035692

	Art.-no.	PU
	F146101348	507



EURO SCREW

	Art.-no.	PU
Ø 6.3 x 14 mm Screw head Ø 7 mm	F148115049	147

PAGE REFERENCES

Drawer sides	11
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Assembly technology	80
Packaging code	91



SCREWDRIVER

GRASS cross head screwdriver
(Pozidriv No. 2)

	Art.-no.	PU
	F147010256	001



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
Spare drill bit Ø 2.7 mm	F146090561	299



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
	F146092594	501

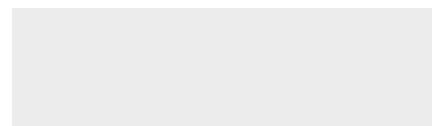
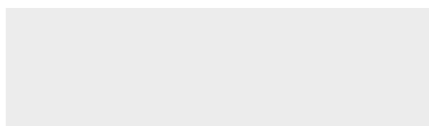
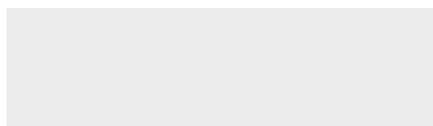


DRILLING JIG FOR SENSOMATIC

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
	F146109850	299

LEGEND





Lined writing area with horizontal lines.



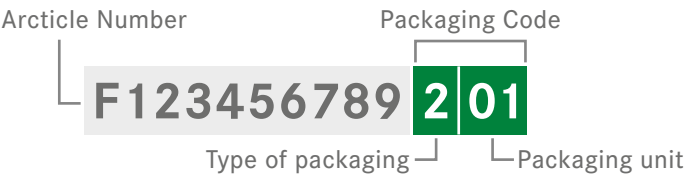
Lined writing area with horizontal ruling lines.



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
107	10 units in PE (bag, film or band)
123	100 units in PE (bag, film or band)
147	1000 units in PE (bag, film or band)
201	1 unit in a cardboard box
204	5 units in a cardboard box
207	10 units in a cardboard box
208	12 units in a cardboard box
209	14 units in a cardboard box
210	15 units in a cardboard box
211	20 units in a cardboard box
212	24 units in a cardboard box
213	25 units in a cardboard box
216	40 units in a cardboard box
223	100 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
299	X units in a cardboard box
501	1 unit in PE (bag, film or band) in a cardboard box
507	10 units in PE (bag, film or band) in a cardboard box
511	20 units in PE (bag, film or band) in a cardboard box
513	25 units in PE (bag, film or band) in a cardboard box
517	50 units in PE (bag, film or band) in a cardboard box
533	200 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)



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Status: 03/2019

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