

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. Your logo can be discreetly but noticeably integrated into the stylish Vionaro drawer side design with the branding clip.

This is a slim-line plastic clip in three colours that can be easily added at a later date.



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 natural anodised aluminium or as a steel version 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 aluminium or 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.



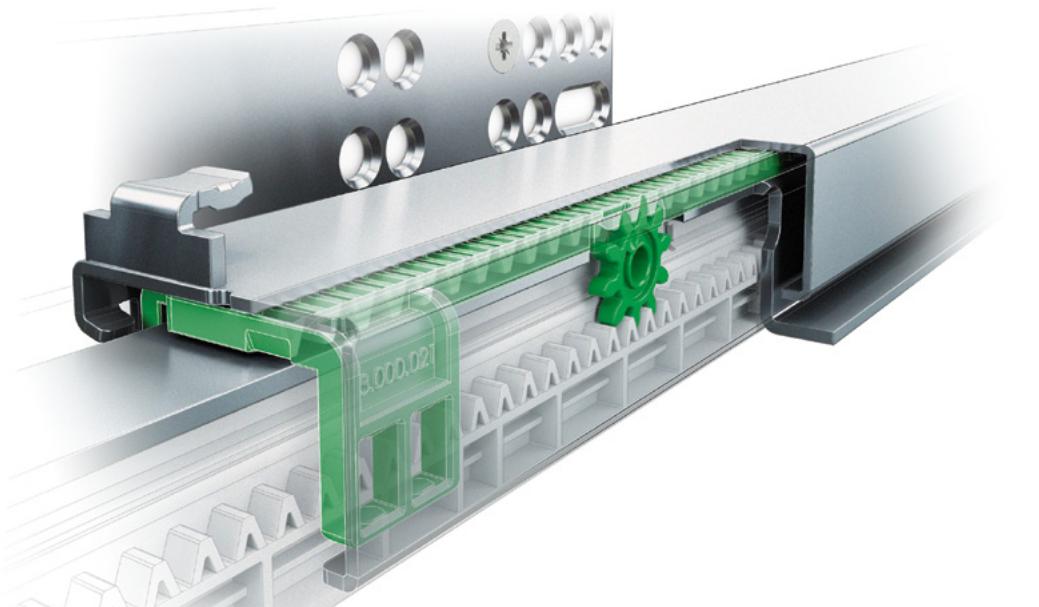
**reddot award 2014
winner**



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 or aluminium. 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 Vionaro complement one another ideally, creating a harmonious multi-function principle. 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 SYSTEM

Mechanical opening of Vionaro drawers.

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



SOFT-CLOSE DAMPING SYSTEM

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

With the very low extension resistance, even very slim-line handles are 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 start the movement of the handle-free Vionaro drawers.





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

**Outstanding, detailed design.
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 inset
drawers with a side height of either
89 mm or 185 mm. Visual harmony
for even more storage space.



VIONARO DRAWER SYSTEM

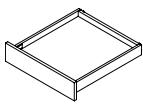
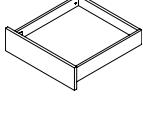
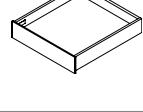
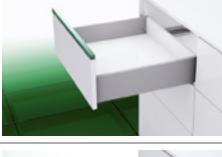
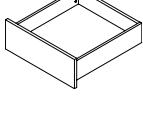
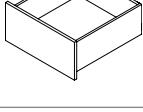
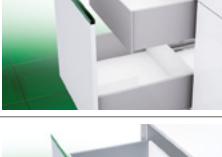
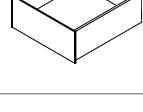
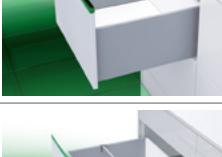
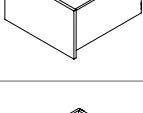
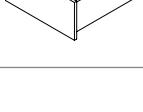
The ideal form is simple and straightforward:
Vionaro – the slimline design classic of tomorrow.

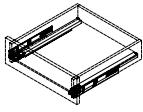
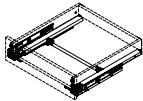
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VIONARO DRAWER SYSTEM

The ideal form is simple and straightforward:
Vionaro – the slimline design classic of tomorrow.

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	Vionaro drawer H121 <ul style="list-style-type: none"> • 4-dimensional adjustment (side, height, tilt angle and depth adjustment) • 90° straight inside and outside • Slim 13 mm drawer side width 		18
	Vionaro drawer H185 <ul style="list-style-type: none"> • 4-dimensional adjustment (side, height, tilt angle and depth adjustment) • 90° straight inside and outside • Slim 13 mm drawer side width 		20
	Vionaro inset drawer H185 <ul style="list-style-type: none"> • Colour-coordinated aluminium front panel profile • 90° straight inside and outside • Slim 13 mm drawer side width 		22
	Vionaro drawer H249 <ul style="list-style-type: none"> • 4-dimensional adjustment (side, height, tilt angle and depth adjustment) • 90° straight inside and outside • Slim 13 mm drawer side width 		24
	Vionaro cross-divider <ul style="list-style-type: none"> • Cross-divider for all Vionaro drawers • Simple installation by mounting on the drawer side • Can be retrofitted at any time • Tool-free adjustment 		26

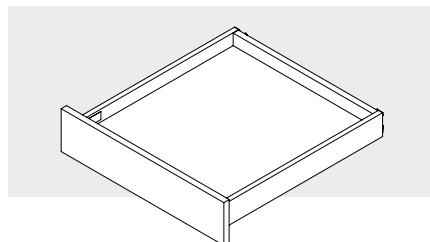
	Product description		Page
	Dynapro full extension slide with Soft-close 40/70 kg <ul style="list-style-type: none"> • Full extension slide, synchronised • Soft-close damping system • Excellent running characteristics 		28
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VIONARO

Drawer H63



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Optional depth adjustment
- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Tool-free front assembly
- Bottom panel machining not required



ORDER INFORMATION

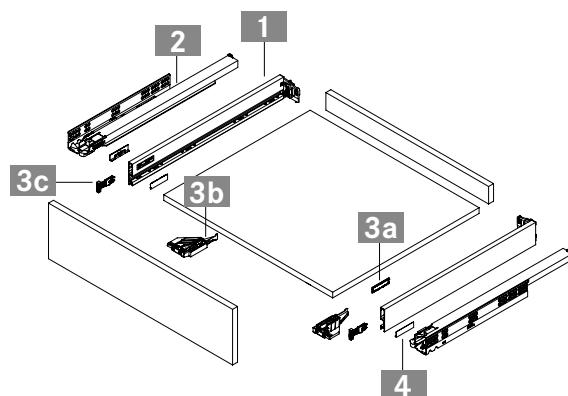
1	Vionaro drawer sides H63, left/right				
NL	Aluminium				
	Natural anodised	Silver grey	Graphite	Snow white	
450	F135124624	F135124874	F135106024	F135106224	
500	F135124630	F135124880	F135106030	F135106230	
550	F135124636	F135124886	F135106036	F135106236	
2	Dynapro full extension slide with Soft-close, left/right				
NL	40 kg				
450	F130116022				
500	F130116024				
550	F130116026				
3	Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x)				
	Aluminium/Silver grey	Graphite	Snow white		
For screw connection	F136101003	F136101004	F136101005		
4	Optional: branding clip with GRASS logo (Company logo on request)				
	Aluminium/Silver grey	Graphite	Snow white		
	F136118058	F136118059	F136118060		
5	Optional: depth adjustment				
	Item No.				
	F134101313				

3 1 set includes:

3a Cover cap, inside (2x)

3b Front locking device set, left/right (1x)

3c Front connector (2x)



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PLANNING DIMENSIONS

All dimensions in millimetres

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

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

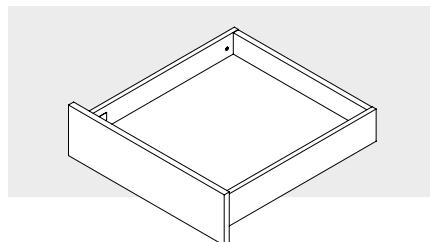
NL Nominal length
RW Back panel
RWB Width of back panel
RWH Height of back panel

VIONARO

Drawer H89

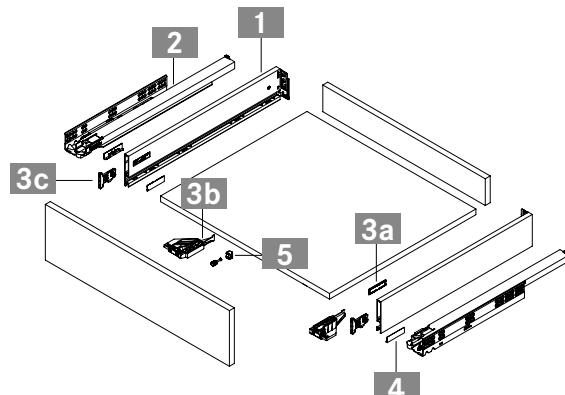


- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Optional depth adjustment
- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Tool-free front assembly
- Bottom panel machining not required



ORDER INFORMATION

1	Vionaro drawer sides H89, left/right				
NL	Aluminium	Steel			
	Natural anodised	Silver grey	Graphite	Snow white	
270	F135118357	F135119057	F135119303	F135120603	
300	F135118360	F135119060	F135119306	F135120606	
350	F135118366	F135119066	F135119312	F135120612	
400	F135118372	F135119072	F135119318	F135120618	
450	F135118378	F135119078	F135119324	F135120624	
500	F135118384	F135119084	F135119333	F135120633	
550	F135118390	F135119090	F135119342	F135120642	
600	F135118396	F135119096	F135119351	F135120651	
650	F135118399	F135119099	F135119400	F135120654	
2	Dynapro full extension slide with Soft-close, left/right				
NL	40 kg	70 kg			
270	F130116015	-			
300	F130116016	-			
350	F130116018	-			
400	F130116020	-			
450	F130116022	F130116927			
500	F130116024	F130116930			
550	F130116026	F130116936			
600	F130117116	F130116942			
650	-	F130116945			
3	Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x)				
	Aluminium/Silver grey	Graphite	Snow white		
For screw connection	F136100121	F136100123	F136100125		
Expansion dowel Ø 8 mm	F136100122	F136100124	F136100126		
4	Optional: branding clip with GRASS logo (Company logo on request)				
	Aluminium/Silver grey	Graphite	Snow white		
	F136118058	F136118059	F136118060		
5	Optional: front-bottom connector Recommended from 600 mm KB				
	Item No.				
	F148026744				
6	Optional: depth adjustment				
	Item No.				
	F134101313				



3 1 set includes:

3a Cover cap, inside (2x)

3b Front locking device set, left/right (1x)

3c Front connector (2x)

Dynapro Soft-close	28
Dynapro Tipmatic	30

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PLANNING DIMENSIONS

All dimensions in millimetres

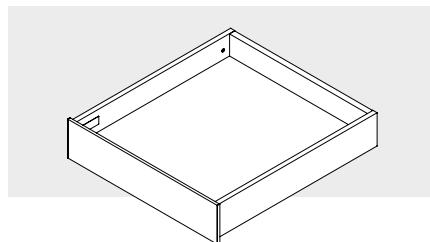
Front panel installation dimensions	Back panel installation dimensions	Cutting dimensions for 16 mm board
Minimum installation depth	Screw connection, back panel (KB ≥ 275)	Screw connection, back panel (KB ≥ 600)
Fixing positions for full extension slide		
LEGEND	<p>B/BB Bottom panel/ Bottom panel width BL Bottom panel length FAS Front overlay, side FST Front overlay</p>	
	<p>KB Cabinet width KV Front edge of cabinet LWK Inside cabinet width MET Minimum installation depth</p>	
	<p>NL Nominal length RW Back panel RWB Width of back panel RWH Height of back panel</p>	

VIONARO

Inset drawer H89



- Colour-coordinated aluminium front panel profile
- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Bottom panel machining not required
- Tool-free front assembly



ORDER INFORMATION

1 Vionaro drawer sides H89, left/right

NL	Aluminium	Steel			
	Natural anodised	Silver grey	Graphite	Snow white	
270	F135118357	F135119057	F135119303	F135120603	
300	F135118360	F135119060	F135119306	F135120606	
350	F135118366	F135119066	F135119312	F135120612	
400	F135118372	F135119072	F135119318	F135120618	
450	F135118378	F135119078	F135119324	F135120624	
500	F135118384	F135119084	F135119333	F135120633	
550	F135118390	F135119090	F135119342	F135120642	
600	F135118396	F135119096	F135119351	F135120651	
650	F135118399	F135119099	F135119400	F135120654	

3 Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x), 3d (4x), 3e (1x), 3f (2x)

	Aluminium/ Silver grey	Graphite	Snow white	
For screw connection	F136100277	F136100278	F136100279	

4 Vionaro inset front panel H89 for cutting to length

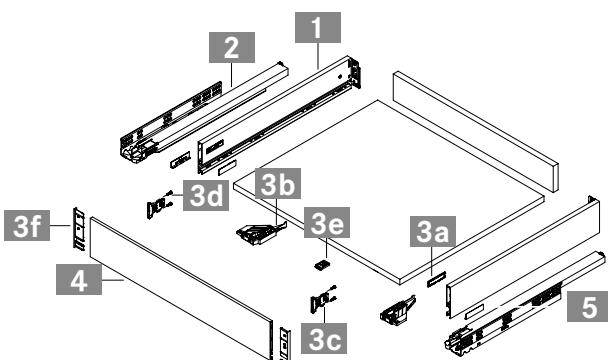
Length	Aluminium	Silver grey	Graphite	Snow white	
1160	F136120395	F136122619	F136120538	F136120569	

3 1 set includes:

- 3a Cover cap, inside (2x)
- 3b Front locking device set, left/right (1x)
- 3c Front connector (2x)
- 3d Special screw (4x)
- 3e Front bottom connector (1x)
- 3f End cap (2x)

5 Optional: branding clip with GRASS logo (Company logo on request)

	Aluminium/ Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060



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PLANNING DIMENSIONS

All dimensions in millimetres

Front panel installation dimensions	Back panel installation dimensions	Cutting dimensions for 16 mm board
Minimum installation depth	Screw connection, back panel (KB ≥ 275)	Screw connection, back panel (KB ≥ 600)
Fixing positions for full extension slide		

LEGEND

B Bottom panel
BB Bottom panel width
BL Bottom panel length
IBB Inset panel width

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

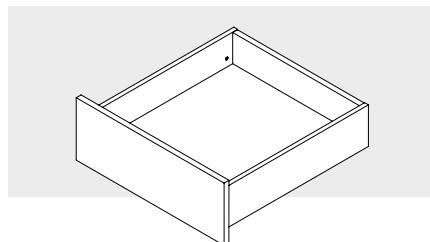
NL Nominal length
RW Back panel
RWB Width of back panel
RWH Height of back panel

VIONARO

Drawer H121



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Optional depth adjustment
- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Tool-free front assembly
- Bottom panel machining not required



ORDER INFORMATION

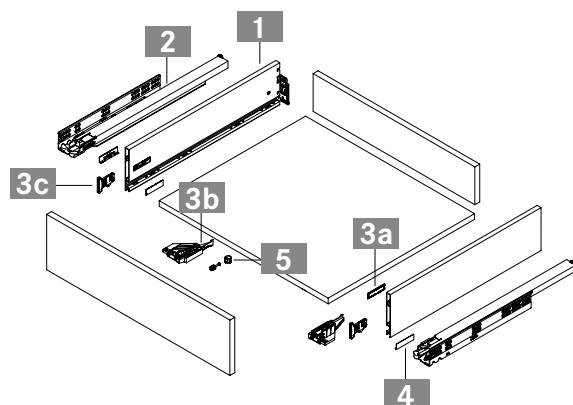
1	Vionaro drawer sides H121, left/right				
NL	Aluminium	Steel			
	Natural anodised	Silver grey	Graphite	Snow white	
350	F135123762	F135124112	F135124212	F135124312	
400	F135123768	F135124118	F135124218	F135124318	
450	F135123774	F135124124	F135124224	F135124324	
500	F135123780	F135124130	F135124230	F135124330	
550	F135123786	F135124136	F135124236	F135124336	
3	Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x)				
	Aluminium/Silver grey	Graphite	Snow white		
For screw connection	F136100121	F136100123	F136100125		
Expansion dowel Ø 8 mm	F136100122	F136100124	F136100126		
5	Optional: front-bottom connector Recommended from 600 mm KB				
	Item No.				
	F148026744				
2	Dynapro full extension slide with Soft-close, left/right				
NL	40 kg	70 kg			
350	F130116018	-			
400	F130116020	-			
450	F130116022	F130116927			
500	F130116024	F130116930			
550	F130116026	F130116936			
4	Optional: branding clip with GRASS logo (Company logo on request)				
	Aluminium/Silver grey	Graphite	Snow white		
	F136118058	F136118059	F136118060		
6	Optional: depth adjustment				
	Item No.				
	F134101313				

3 1 set includes:

3a Cover cap, inside (2x)

3b Front locking device set, left/right (1x)

3c Front connector (2x)



Dynapro Soft-close	28
Dynapro Tipmatic	30

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PLANNING DIMENSIONS

All dimensions in millimetres

Front panel installation dimensions	Back panel installation dimensions	Cutting dimensions for 16 mm board
<p>LWK RWB = LWK - 42 min. RWB = 120 mm</p> <p>min. 105 8.5 min. 37 28.5 121 15.5 BB = LWK - 21</p>	<p>10 Ø 3.5 x 15 91 16 Ø 3.5 x 20 Ø 8 x 13 31 31 32 FST 14.5 FAS</p>	<p>RWB = LWK - 42 RW 91 RWH</p> <p>BL = NL - 11</p> <p>BB = LWK - 21</p>
Minimum installation depth	Screw connection, back panel (KB ≥ 275)	Screw connection, back panel (KB ≥ 600)
<p>MET = NL + 3</p>	<p>Ø 3 x 40 47 47</p>	<p>Ø 3 x 40 47 47 47</p>
Fixing positions for full extension slide		
<p>KV 18 9 23 9 10 12 28 37 MET = NL + 3 352 288 256 224 192 32 0 4 40 kg</p>	<p>Special Euro screw Ø 6.3 x 14 mm Chipboard screw Ø 4 x 16 mm Screw head Ø 7 mm</p>	
<p>KV 28 37 350 - 450 500 550 32 0 4 352 288 279 247 224 128 32 0 4 450 500 - 550 70 kg MET = NL + 3</p>		

LEGEND

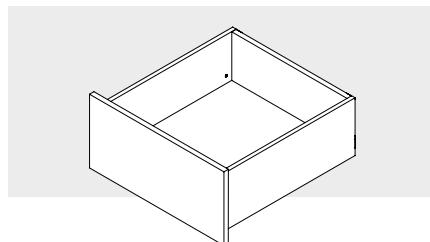
B/BB	Bottom panel/ Bottom panel width	KB	Cabinet width	NL	Nominal length
BL	Bottom panel length	KV	Front edge of cabinet	RW	Back panel
FAS	Front overlay, side	LWK	Inside cabinet width	RWB	Width of back panel
FST	Front overlay	MET	Minimum installation depth	RWH	Height of back panel

VIONARO

Drawer H185



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Optional depth adjustment
- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Tool-free front assembly
- Bottom panel machining not required
- Integrated front stabiliser for high fronts

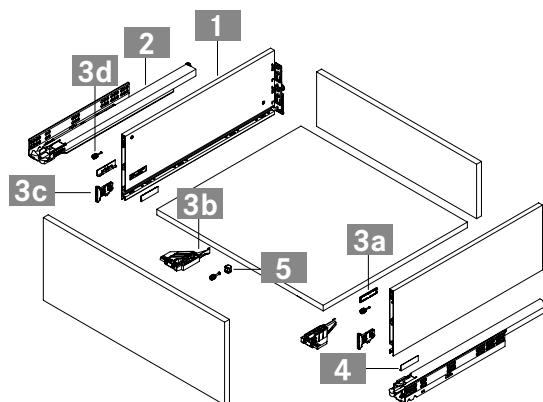


ORDER INFORMATION

1	Vionaro drawer sides H185, left/right					2	Dynapro full extension slide with Soft-close, left/right				
NL	Aluminium	Steel				NL	40 kg	70 kg			
	Natural anodised	Silver grey	Graphite	Snow white							
270	F135118503	F135119203	F135119412	F135120803		270	F130116015	-			
300	F135118506	F135119206	F135119415	F135120806		300	F130116016	-			
350	F135118512	F135119212	F135119421	F135120812		350	F130116018	-			
400	F135118518	F135119218	F135119427	F135120818		400	F130116020	-			
450	F135118524	F135119224	F135119433	F135120824		450	F130116022	F130116927			
500	F135118530	F135119230	F135119442	F135120833		500	F130116024	F130116930			
550	F135118536	F135119236	F135119451	F135120842		550	F130116026	F130116936			
600	F135118542	F135119242	F135119460	F135120851		600	F130117116	F130116942			
650	F135118545	F135119245	F135119463	F135120854		650	-	F130116945			
3	Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x), 3d (2x)					4	Optional: branding clip with GRASS logo (Company logo on request)				
	Aluminium/ Silver grey	Graphite	Snow white				Aluminium/ Silver grey	Graphite	Snow white		
For screw connection	F136100310	F136100312	F136100314				F136118058	F136118059	F136118060		
Expansion dowel Ø 8 mm	F136100311	F136100313	F136100315								
5	Optional: front-bottom connector Recommended from 600 mm KB					6	Optional: depth adjustment				
	Item No.						Item No.				
	F148026744						F134101313				

3 1 set includes:

- 3a** Cover cap, inside (2x)
- 3b** Front locking device set, left/right (1x)
- 3c** Front connector (2x)
- 3d** Front stabiliser (2x)



Dynapro Soft-close	28
Dynapro Tipmatic	30

Sensomatic	43
Technical informations	36

Assembly aids	38

PLANNING DIMENSIONS

All dimensions in millimetres

Front panel installation dimensions	Back panel installation dimensions	Cutting dimensions for 16 mm board
<small>¹ Anodised aluminium drawer sides ² Steel drawer sides</small>		
Minimum installation depth	Screw connection, back panel (KB ≥ 275)	Screw connection, back panel (KB ≥ 600)
Fixing positions for full extension slide		
		Special 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

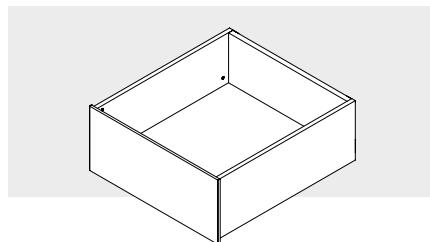
NL Nominal length
RW Back panel
RWB Width of back panel
RWH Height of back panel

VIONARO

Inset drawer H185



- Colour-coordinated aluminium front panel profile
- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Bottom panel machining not required
- Tool-free front assembly



ORDER INFORMATION

1 Vionaro drawer sides H185, left/right

NL	Aluminium	Steel			
	Natural anodised	Silver grey	Graphite	Snow white	
270	F135118503	F135119203	F135119412	F135120803	
300	F135118506	F135119206	F135119415	F135120806	
350	F135118512	F135119212	F135119421	F135120812	
400	F135118518	F135119218	F135119427	F135120818	
450	F135118524	F135119224	F135119433	F135120824	
500	F135118530	F135119230	F135119442	F135120833	
550	F135118536	F135119236	F135119451	F135120842	
600	F135118542	F135119242	F135119460	F135120851	
650	F135118545	F135119245	F135119463	F135120854	

2 Dynapro full extension slide with Soft-close, left/right

NL	40 kg	70 kg	
270	F130116015	-	
300	F130116016	-	
350	F130116018	-	
400	F130116020	-	
450	F130116022	F130116927	
500	F130116024	F130116930	
550	F130116026	F130116936	
600	F130117116	F130116942	
650	-	F130116945	

3 Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x), 3d (4x), 3e (1x), 3f (2x), 3g (2x)

	Aluminium/ Silver grey	Graphite	Snow white	
For screw connection	F136100318	F136100319	F136100320	

4 Vionaro inset front panel H185 for cutting to length

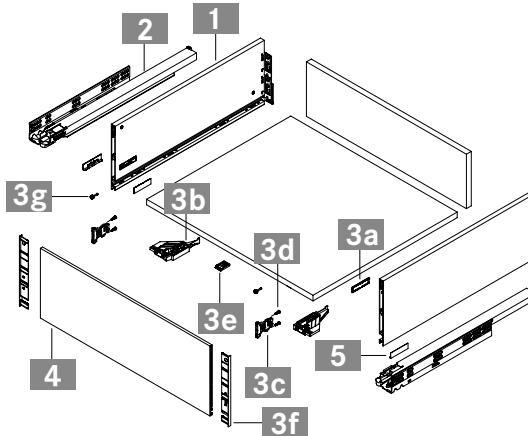
Length	Aluminium	Silver grey	Graphite	Snow white	
1160	F136120420	F136122669	F136120539	F136120589	

3 1 set includes:

- 3a Cover cap, inside (2x)
- 3b Front locking device set, left/right (1x)
- 3c Front connector (2x)
- 3d Special screw (4x)
- 3e Front bottom connector (1x)
- 3f End cap (2x)
- 3g Front stabiliser (2x)

5 Optional: branding clip with GRASS logo (Company logo on request)

	Aluminium/ Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060



Dynapro Soft-close	28
Sensomatic	43

Technical informations	36
Assembly aids	38

PLANNING DIMENSIONS

All dimensions in millimetres

Front panel installation dimensions	Back panel installation dimensions	Cutting dimensions for 16 mm board
<p>Front panel installation dimensions diagram showing top and side views with various dimensions like LWK, RWB, BB, IBB, and panel thicknesses.</p>	<p>Back panel installation dimensions diagram showing top and side views with screw hole positions and dimensions like 3.5x15, 8x3, 4x11.5, and 3mm holes.</p>	<p>Cutting dimensions for 16 mm board showing front panel (RW) and back panel (B) with dimensions like RWB = LWK - 42, BL = NL - 11, and BB = LWK - 21.</p>
Minimum installation depth	Screw connection, back panel (KB ≥ 275)	Screw connection, back panel (KB ≥ 600)
<p>Minimum installation depth diagram showing a side view of a cabinet with a drawer and dimensions like MET = NL + 12.</p>	<p>Screw connection diagram for KB ≥ 275 showing two rows of four screws each at 47mm intervals.</p>	<p>Screw connection diagram for KB ≥ 600 showing three rows of four screws each at 47mm intervals.</p>
Fixing positions for full extension slide	<p>Fixing positions for full extension slide diagram showing two parallel slides with various fixing points and dimensions like KV, 18, 28, 37, 12, 270-300, 350-450, 500, 550, 600, 384, 352, 288, 256, 224, 192, 160, 128, 32, 0, 13, MET = NL + 12, 40 kg, 450, 500-550, 600-650, 375, 343, 288, 279, 247, 224, 128, 32, 0, 13, and 70 kg.</p>	

LEGEND

B	Bottom panel
BB	Bottom panel width
BL	Bottom panel length
IBB	Inset panel width

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

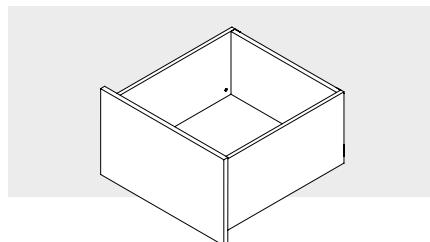
NL	Nominal length
RW	Back panel
RWB	Width of back panel
RWH	Height of back panel

VIONARO

Drawer H249



- 4-dimensional adjustment
- Integrated side, height and tilt angle adjustment
- Optional depth adjustment
- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Tool-free front assembly
- Bottom panel machining not required
- Integrated front stabiliser for high fronts



ORDER INFORMATION

1 Vionaro drawer sides H249, left/right

NL	Aluminium	Steel			
	Natural anodised	Silver grey	Graphite	Snow white	
450	F135106674	F135106774	F135106874	F135106974	
500	F135106680	F135106780	F135106880	F135106980	
550	F135106686	F135106786	F135106886	F135106986	
600	F135106692	F135106792	F135106892	F135106992	

3 Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x), 3d (2x)

	Aluminium/ Silver grey	Graphite	Snow white	
For screw connection	F136100310	F136100312	F136100314	
Expansion dowel Ø 8 mm	F136100311	F136100313	F136100315	

5 Optional: front-bottom connector

Recommended from 600 mm KB

	Item No.				
	F148026744				

3 1 set includes:

- 3a Cover cap, inside (2x)
- 3b Front locking device set, left/right (1x)
- 3c Front connector (2x)
- 3d Front stabiliser (2x)

2 Dynapro full extension slide with Soft-close, left/right

NL	40 kg	70 kg	
450	F130116022	F130116927	
500	F130116024	F130116930	
550	F130116026	F130116936	
600	F130117116	F130116942	

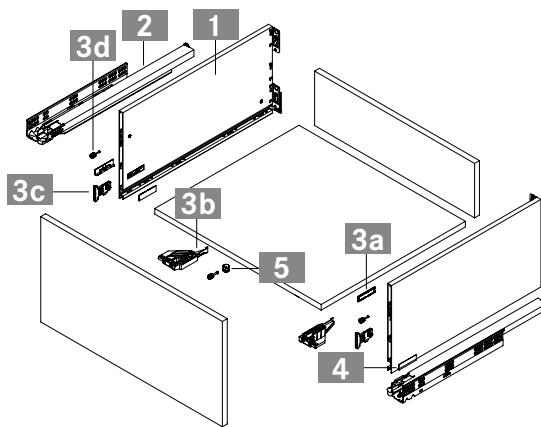
4 Optional: branding clip with GRASS logo

(Company logo on request)

	Aluminium/ Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060

5 Optional: depth adjustment

	Item No.		
	F134101313		



Dynapro Soft-close	28
Dynapro Tipmatic	30

Sensomatic	43
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Assembly aids	38

PLANNING DIMENSIONS

All dimensions in millimetres

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

LEGEND

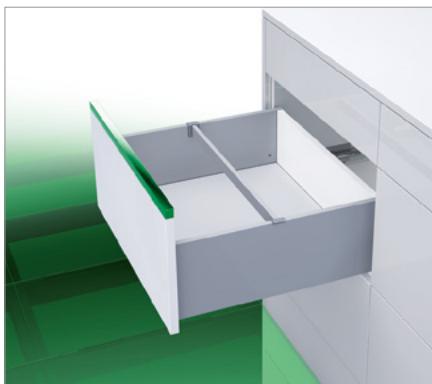
B/BB Bottom panel/ Bottom panel width
BL Bottom panel length
FAS Front overlay, side
FST Front overlay

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

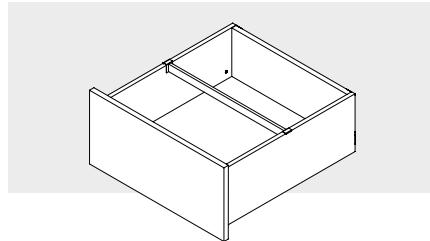
NL Nominal length
RW Back panel
RWB Width of back panel
RWH Height of back panel

VIONARO

Cross-divider



- Cross-divider for all Vionaro drawers
- Simple installation by mounting on the drawer side
- Can be retrofitted at any time
- Tool-free adjustment



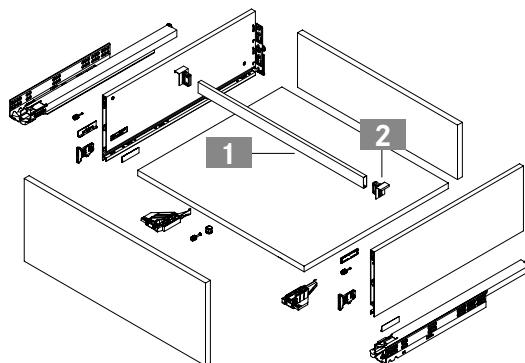
ORDER INFORMATION

1 Vionaro cross-divider, can be cut to length

Length	Aluminium	Silver grey	Graphite	Snow white	
1124	F136107414	F136107415	F136107416	F136107417	

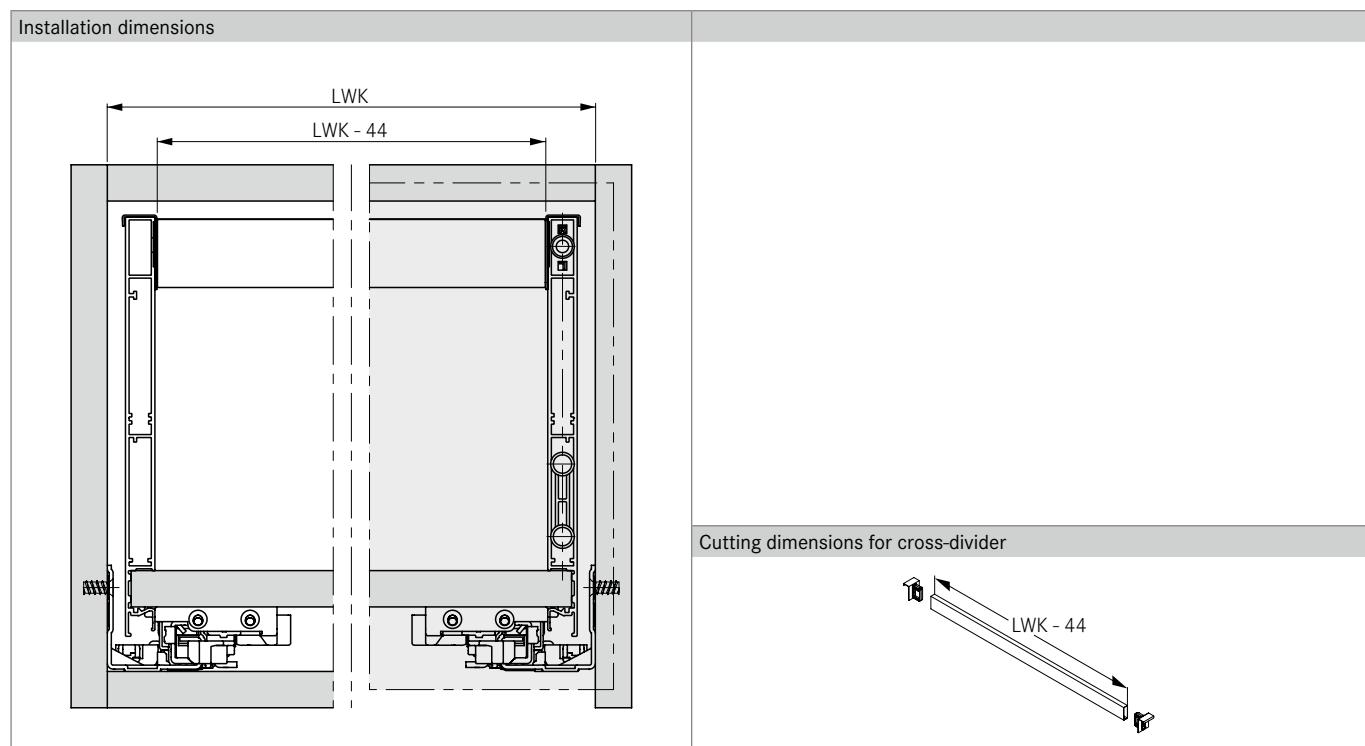
2 Holder for cross-divider

	Aluminium/ Silver grey	Graphite	Snow white
	F136107479	F136107480	F136107481



PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

LWK Inside cabinet width

DYNAPRO

Full extension slide Soft-close 40/70 kg

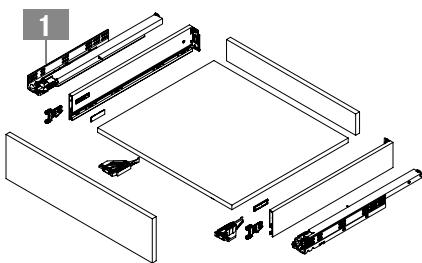


- Slides for Vionaro and wooden drawers
- Synchronised full extension slide,
40 kg or 70 kg load capacity
- Soft-close damping system
- Stepless self-locking of drawer when
it is pushed onto the slides

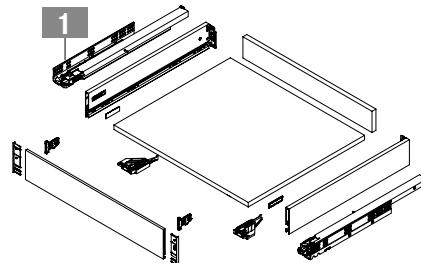
ORDER INFORMATION

1 Dynapro Soft-close full extension slide		
NL	40 kg	70 kg
270	F130116015	-
300	F130116016	-
350	F130116018	-
400	F130116020	-
450	F130116022	F130116927
500	F130116024	F130116930
550	F130116026	F130116936
600	F130117116	F130116942
650	-	F130116945

2 Optional: depth adjustment	
	Item No.
	F134101313



Vionaro drawer

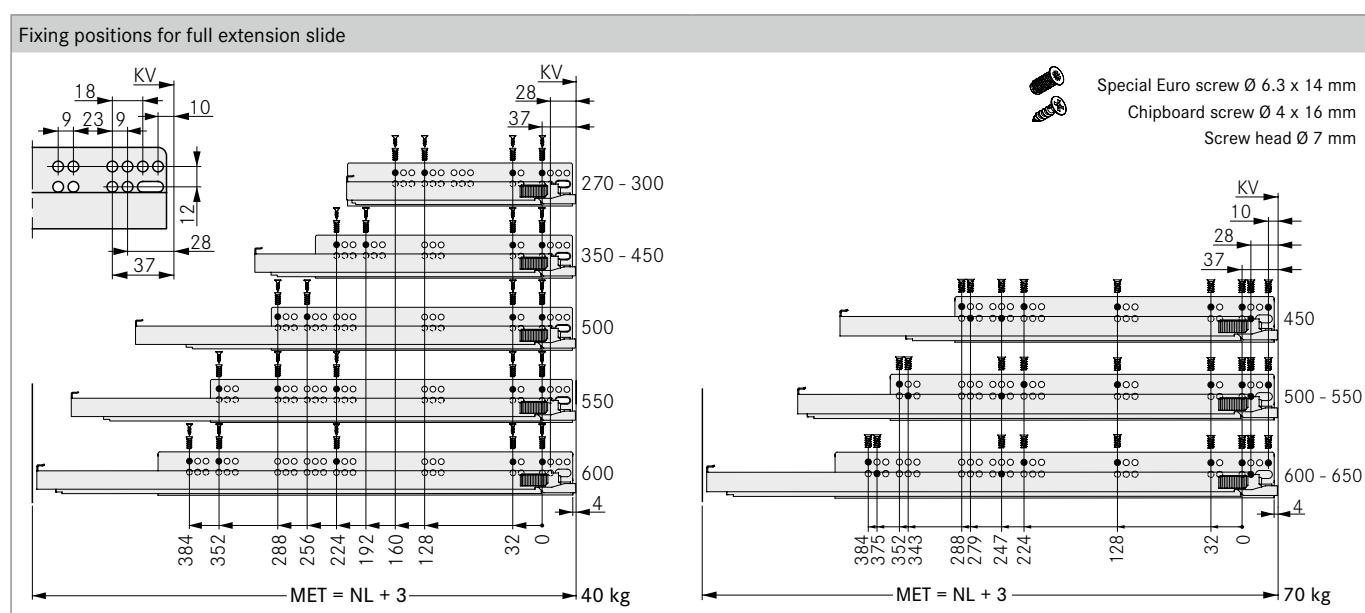
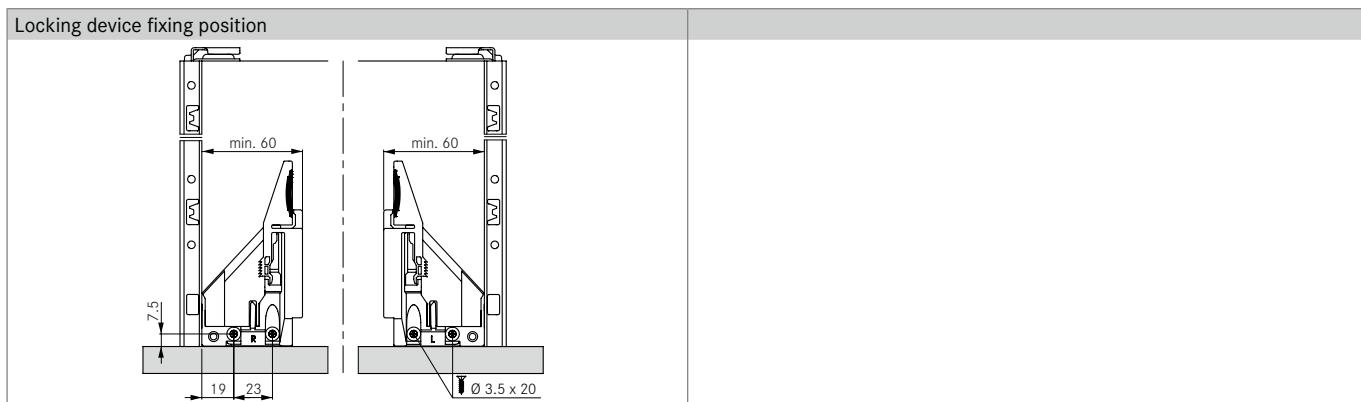


Vionaro inset drawer

Vionaro drawer system	9
Assembly aids	40

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

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

DYNAPRO

Full extension slide Tipmatic 40/60 kg



- Tipmatic full extension slide for handle-free fronts, 40 kg or 60 kg load capacity
- Tipmatic element integrated into the slide – for central activation
- Synchronisation for full-area activation can be optionally retrofitted
- System of modular design, compatible with soft-close slides

Advantages:

- Activated by light tapping
- Optimum access to the contents due to full extension of the drawer
- Catch function for safe closure
- Precise adjustment of the front gap due to depth adjustment on both sides

ORDER INFORMATION

1 Dynapro Tipmatic full extension slide

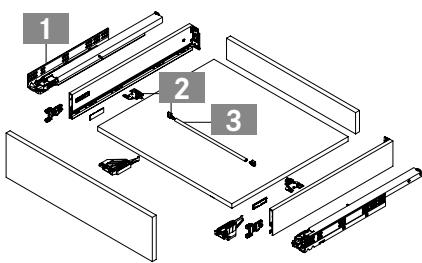
NL	40 kg	60 kg
270	F130117459	–
300	F130117460	–
350	F130117462	–
400	F130117463	–
450	F130117465	F130117470
500	F130117467	F130117471
550	F130117468	F130117472
600	–	F130116941
650	–	F130117474

2 Set with synchronisation module and synchronisation lever

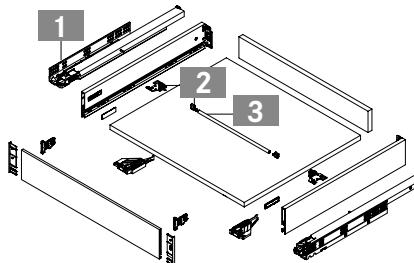
	40 kg	60 kg
	F134117475	F134117476

3 Synchronisation rod for KB1200 S16, for cutting to length

KB	Item No.
1200	F134116947



Vionaro drawer

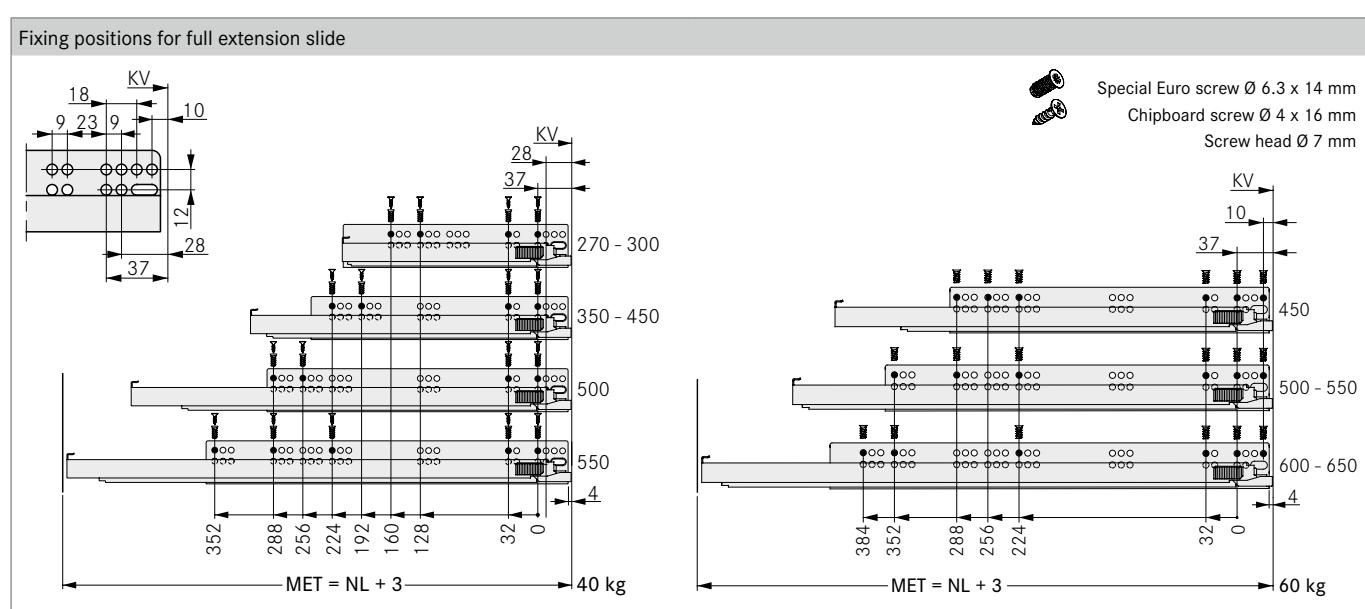
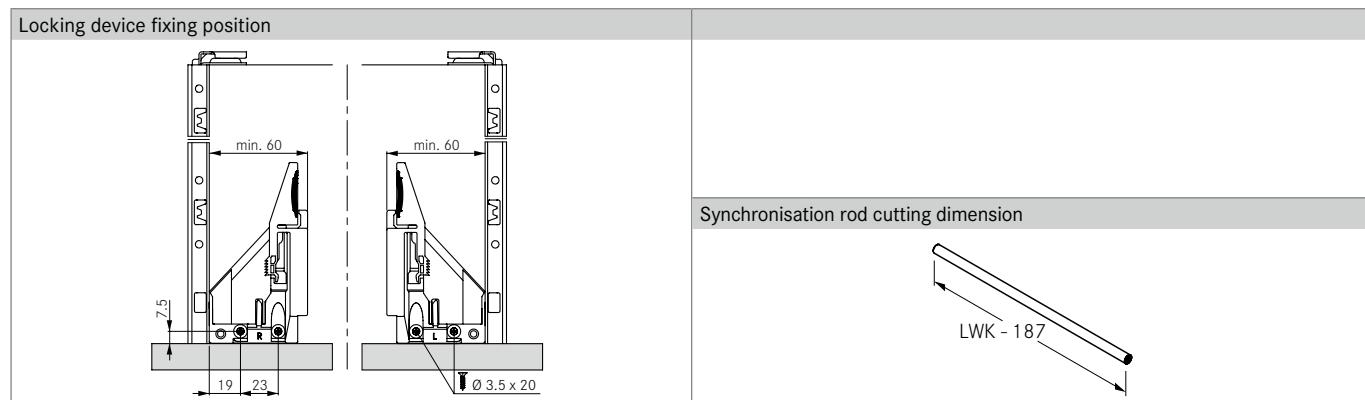


Vionaro inset drawer

Vionaro drawer system	9
Assembly aids	40

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

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

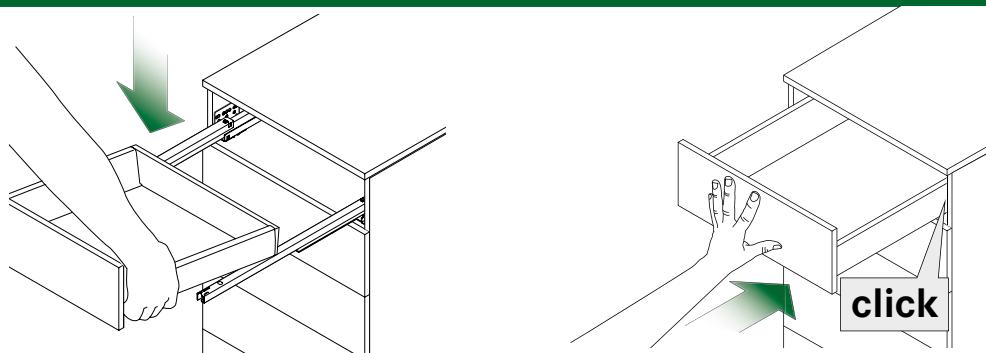
MOUNTING/DISMOUNTING

Inserting the drawer

Place the drawer on the extended slides.

Push the drawer fully home.

Drawer engages automatically!



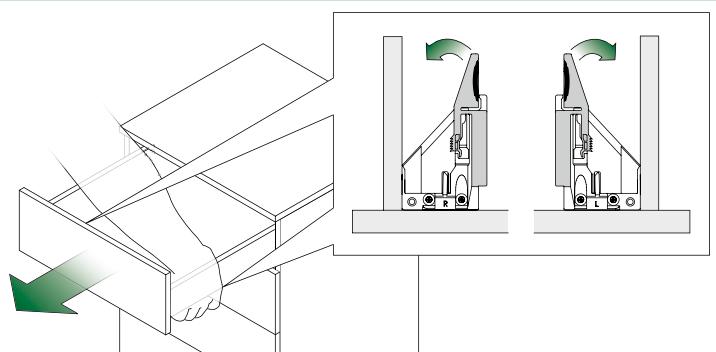
Removing the drawer

Pull out the drawer, actuate the lever

of the front locking device on both

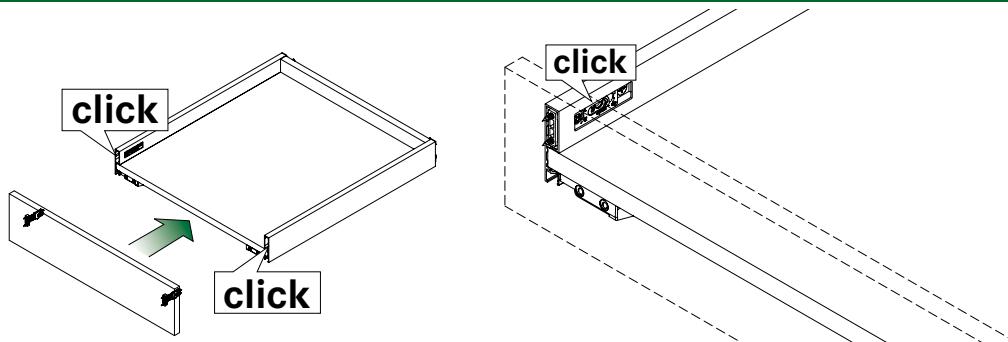
sides and pull the drawer off the slide

towards the front.



Front panel installation

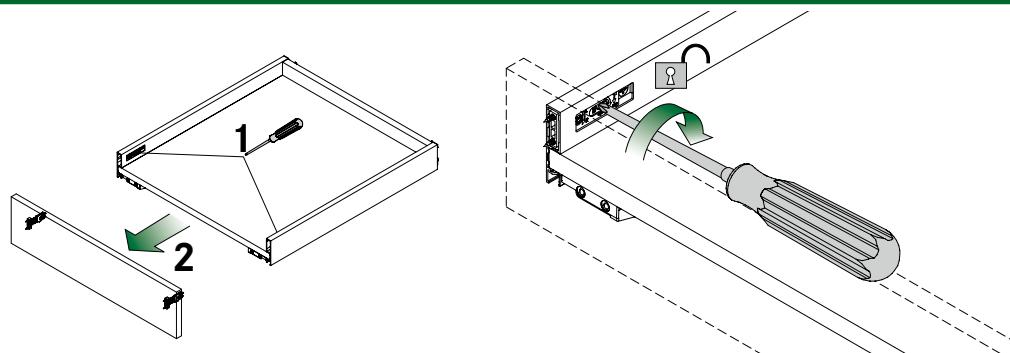
Insert the front connection into
the drawer sides. The front panel
engages automatically and is fixed.



Removing the front panel

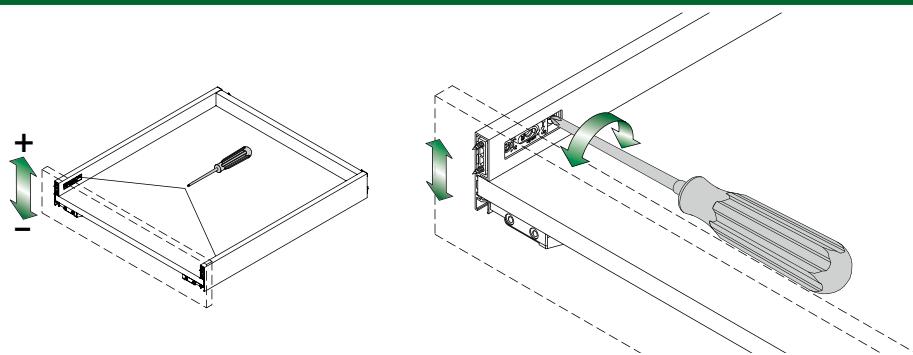
Use Pozidriv No. 2 screw driver

to release.



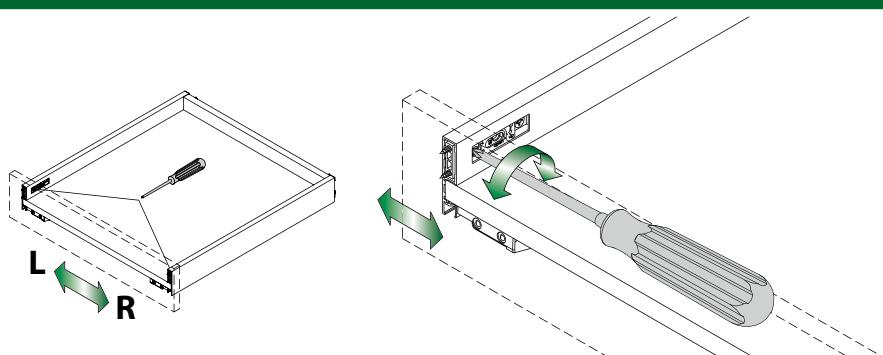
ADJUSTMENTS

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

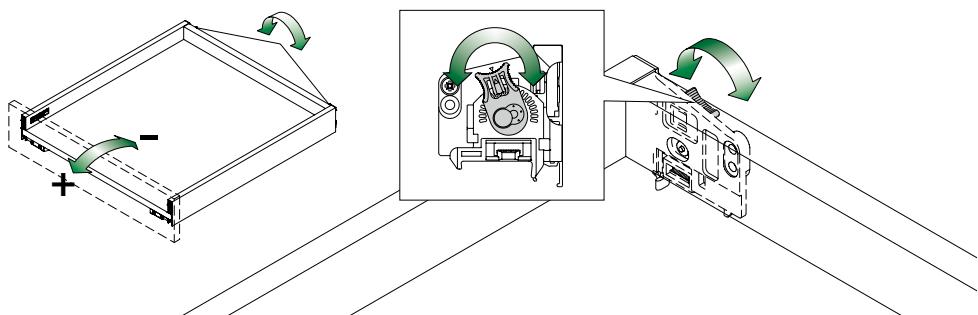


Side adjustment (± 1.5 mm)

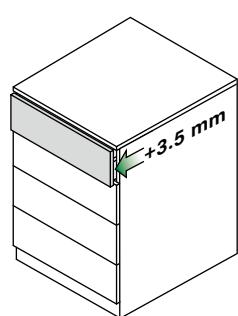
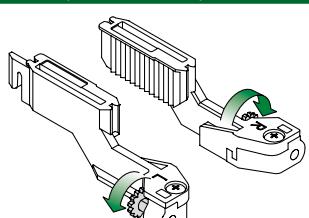
Adjust both sides.



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

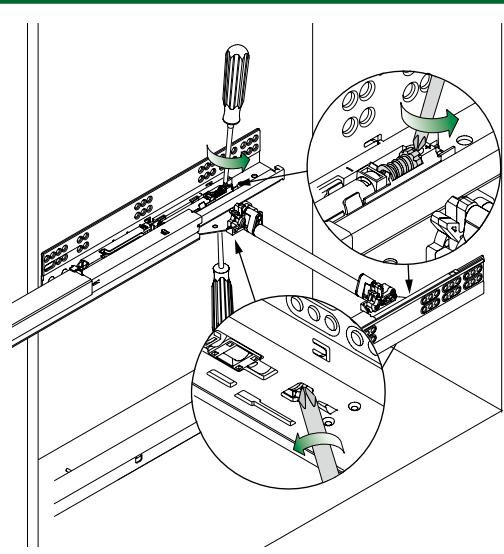
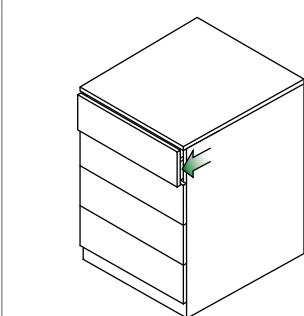


Dynapro Soft-close: Optional depth adjustment (+3.5 mm max.)



Dynapro Tipmatic: Front gap adjustment from above or below

The reliable opening and closing of the drawer depends on the front gap adjustment (factory setting 4.5 mm). If the front height is more than 300 mm the front gap must be increased to the maximum 6 mm.



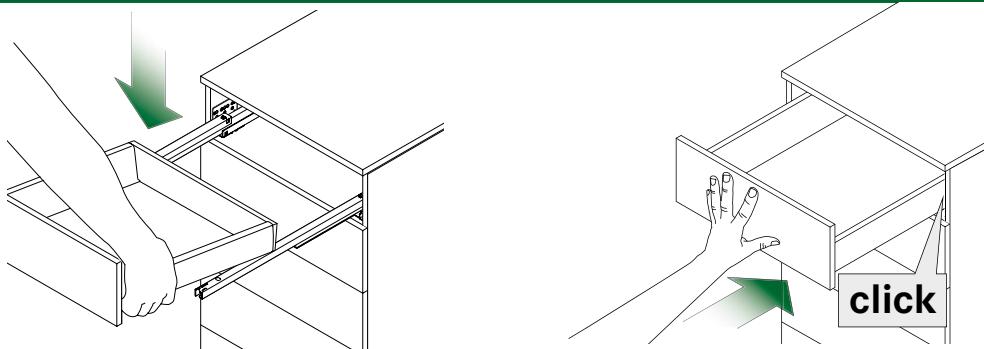
MOUNTING/DISMOUNTING

Inserting the drawer

Place the drawer on the extended slides.

Push the drawer fully home.

Drawer engages automatically!

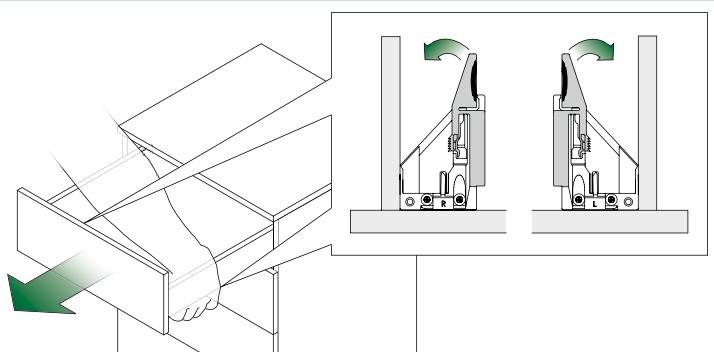


Removing the drawer

Pull out the drawer, actuate the lever

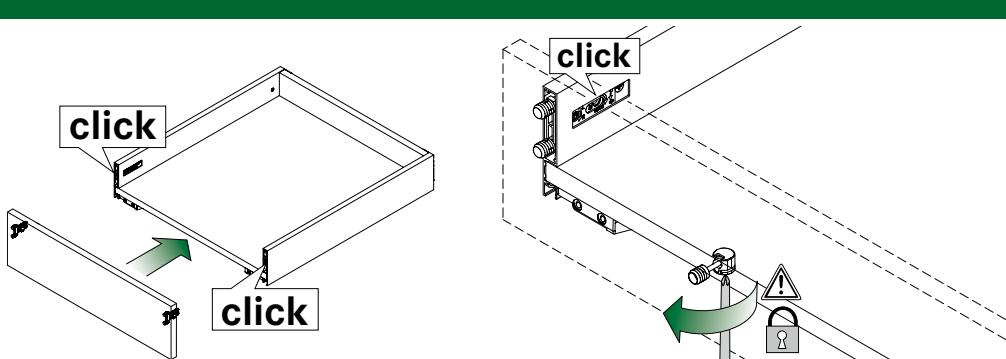
of the front locking device on both

sides and pull the drawer off the slide
towards the front.



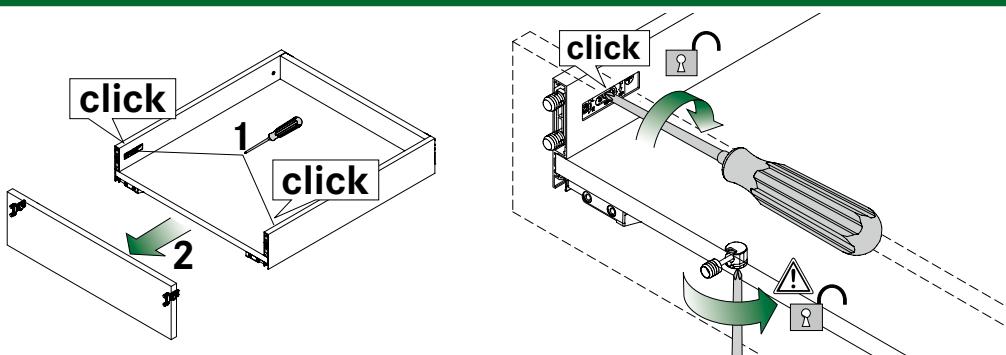
Front panel installation

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



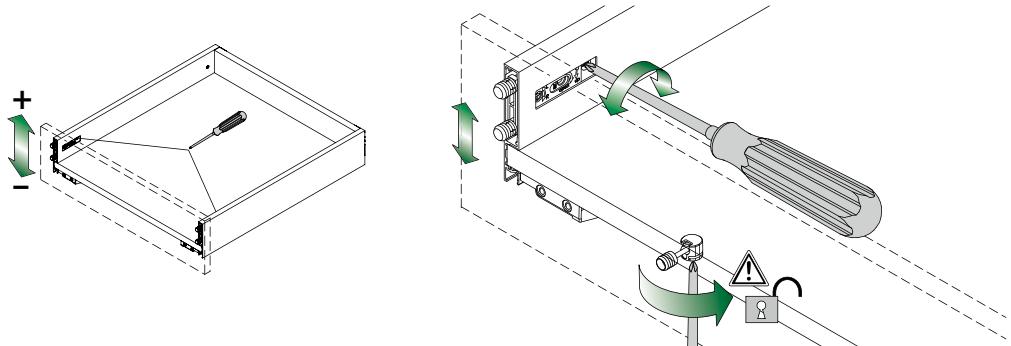
Removing the front panel

Use Pozidriv No. 2 screw driver
to release.



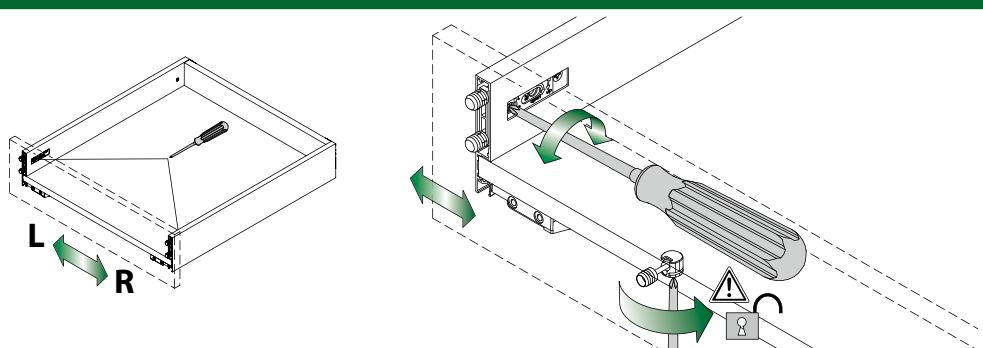
ADJUSTMENTS

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

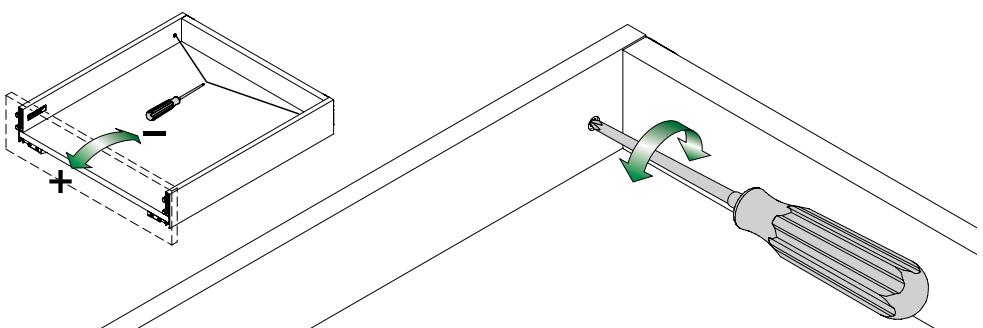


Side adjustment (± 1.5 mm)

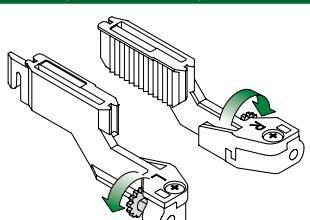
Adjust both sides.



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

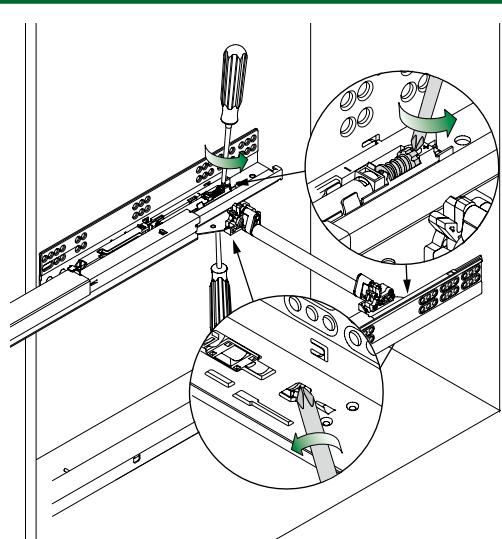
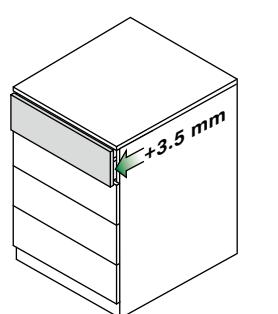


Dynapro Soft-close: Optional depth adjustment (+3.5 mm max.)



Dynapro Tipmatic: Front gap adjustment from above or below

The reliable opening and closing of the drawer depends on the front gap adjustment (factory setting 4.5 mm). If the front height is more than 300 mm the front gap must be increased to the maximum 6 mm.



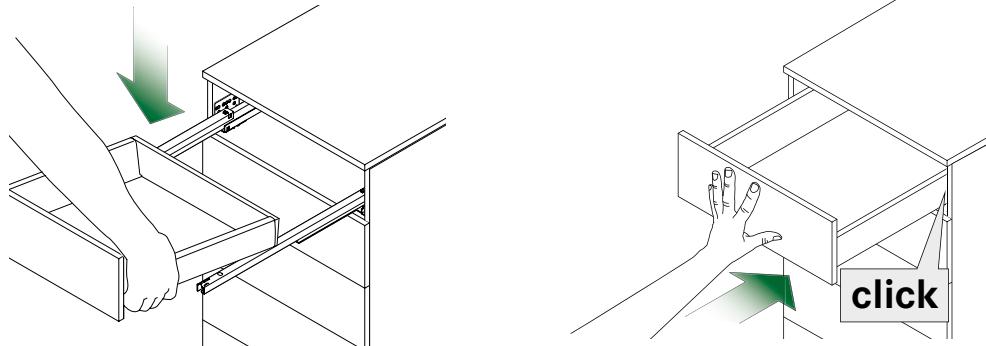
MOUNTING/DISMOUNTING

Inserting the drawer

Place the drawer on the extended slides.

Push the drawer fully home.

Drawer engages automatically!



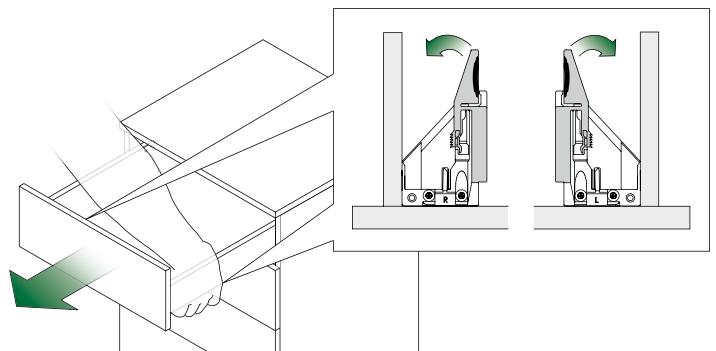
Removing the drawer

Pull out the drawer, actuate the lever

of the front locking device on both

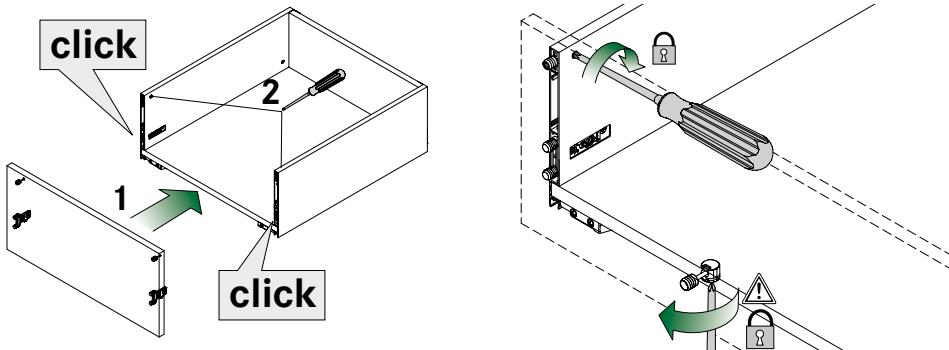
sides and pull the drawer off the slide

towards the front.



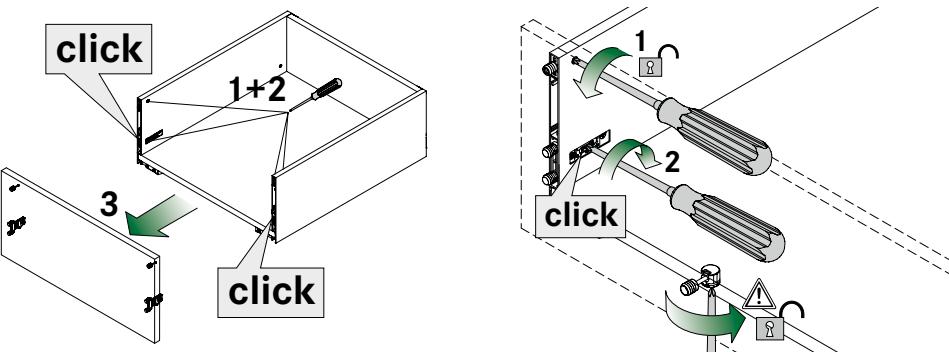
Front panel installation

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



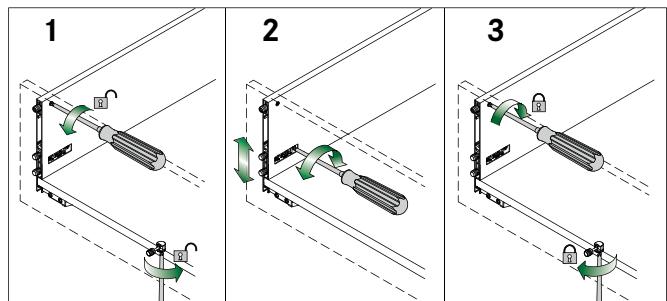
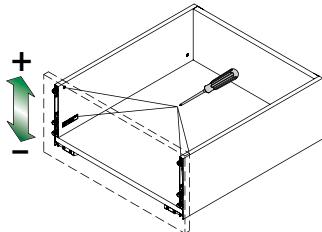
Removing the front panel

Use Pozidriv No. 2 screw driver
to release.



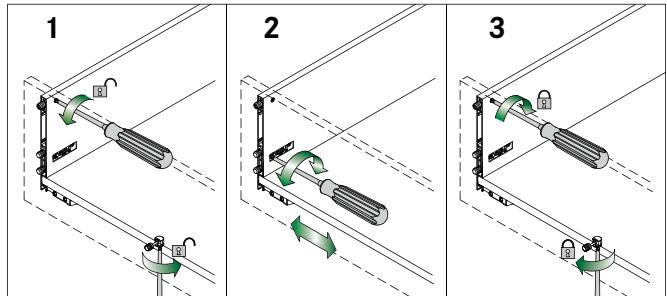
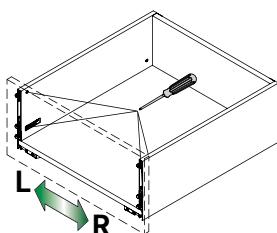
ADJUSTMENTS

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

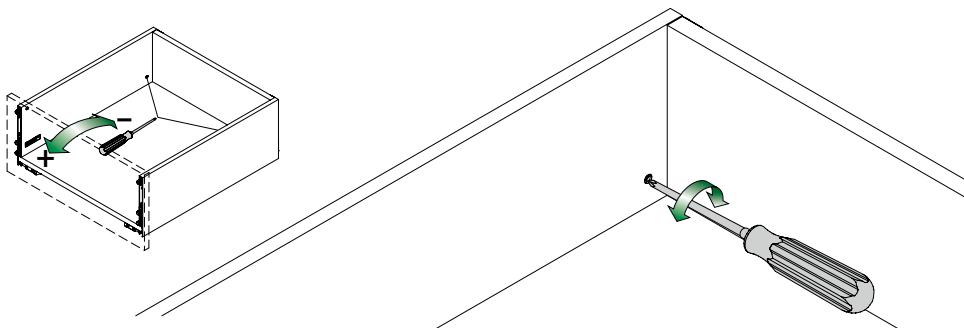


Side adjustment (± 1.5 mm)

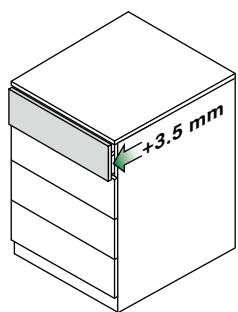
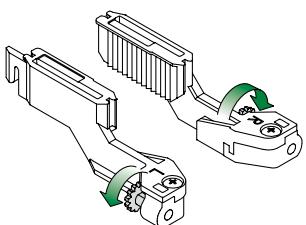
Adjust both sides.



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

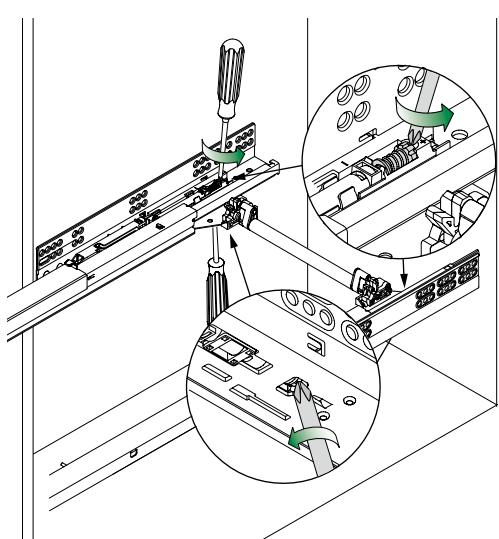
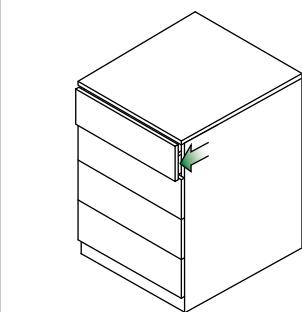


Dynapro Soft-close: Optional depth adjustment (+3.5 mm max.)

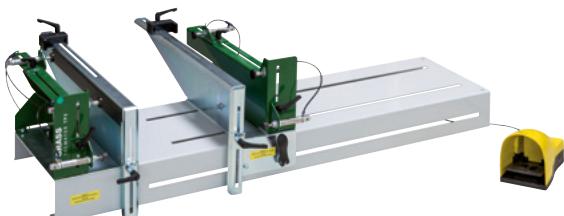


Dynapro Tipmatic: Front gap adjustment from above or below

The reliable opening and closing of the drawer depends on the front gap adjustment (factory setting 4.5 mm). If the front height is more than 300 mm the front gap must be increased to the maximum 6 mm.



TECMATOR ZMV-TP2 1200



- Pneumatic table-top device for Vionaro
- The ZMV-TP2 can be used to assemble drawers for external cabinet widths of up to 1200 mm
- Easy and straightforward handling
- Sturdy construction
- For small series production
- Pneumatic control system
- High performance

ORDER INFORMATION

Designation	Item No.
Tecmator ZMV-TP2 1200	F146116212

FRONT DRILLING JIG



Front drilling jig for Vionaro front holder and front stabiliser.

	Item No.
	F146100562

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

	Item No.
H63	F146101010
H89/H121/H185/H249	F146100545

PUNCHING TOOL



Punching tool for Vionaro front stabiliser.

	Item No.
	F146116216

PUNCHING TOOL



Punching tool for Vionaro bottom spike.

	Item No.
	F146116217

DYNAPRO

Assembly aids

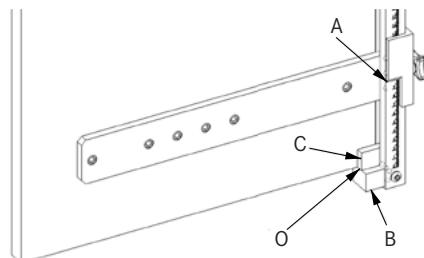
DRILLING JIG FOR CABINET MEMBER



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



	Item No.
	F146094730

INDIVIDUAL MARKING ELEMENT



For extending the drilling jig
for cabinet member F146094730

	Item No.
	F146094721

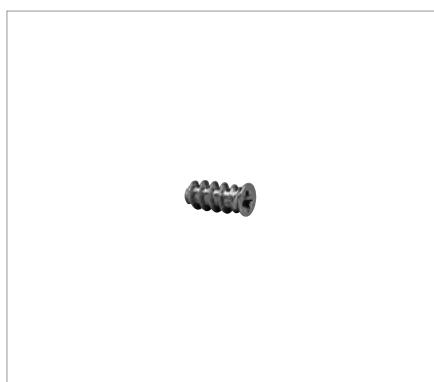
DRILLING JIG FOR CABINET MEMBER



For use with pilot drill bit F146035692.

	Item No.
	F146101348

EURO SCREW



	Item No.
	F145083546

SCREWDRIVER



GRASS cross head screwdriver
(Pozidriv No. 2)

	Item No.
	F147010256

PILOT DRILL BIT



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

	Item No.
Pilot drill bit	F146035692
Spare drill bit Ø 2.7 mm	F146090561

DRILLING JIG FOR SENOMATIC



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

	Item No.
	F146109850



SENSOMATIC OPENING SYSTEM

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

QUALITY CERTIFICATE



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	46
Standard cabinet with horizontal wooden stretcher	48
Standard cabinet with vertical wooden stretcher	50
Single drawer with overhead frame set mounting	52
Single drawer with back panel frame set mounting	54
Installation instructions	56

VIONARO SENSOMATIC

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

	Product description	Page
	Sensomatic single set <ul style="list-style-type: none"> • Complete set for a single drawer • For cabinet widths of up to 1200 mm • Easy to install • Very simple wiring (plug and play) 	46
	Standard cabinet with horizontal wooden stretcher <ul style="list-style-type: none"> • 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 	48
	Standard cabinet with vertical wooden stretcher <ul style="list-style-type: none"> • 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 	50
	Single drawer with overhead frame set mounting <ul style="list-style-type: none"> • 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 	52

	Product description	Page
	<p>Single drawer with back panel frame set mounting</p> <ul style="list-style-type: none"> • 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 	54

VIONARO SENOMATIC

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

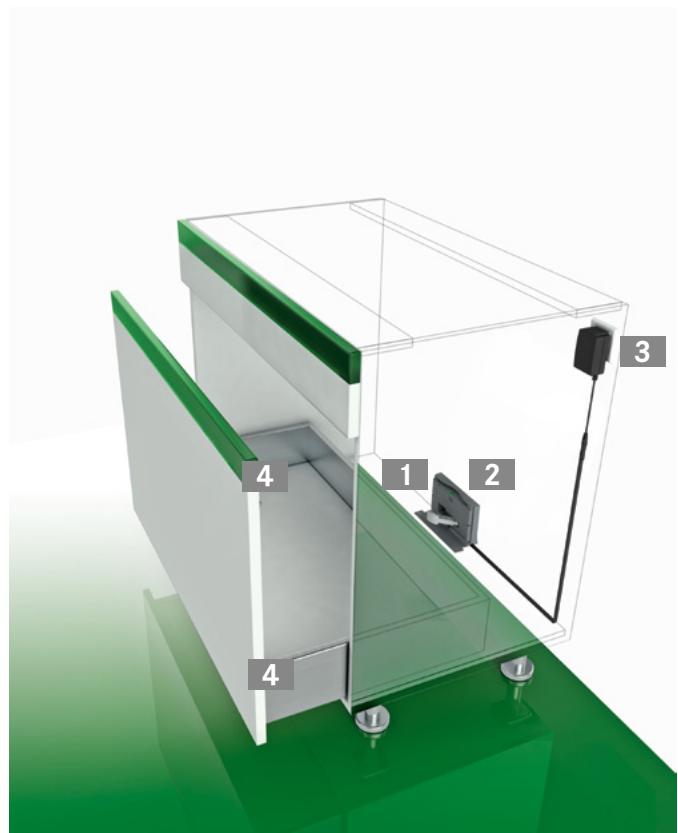
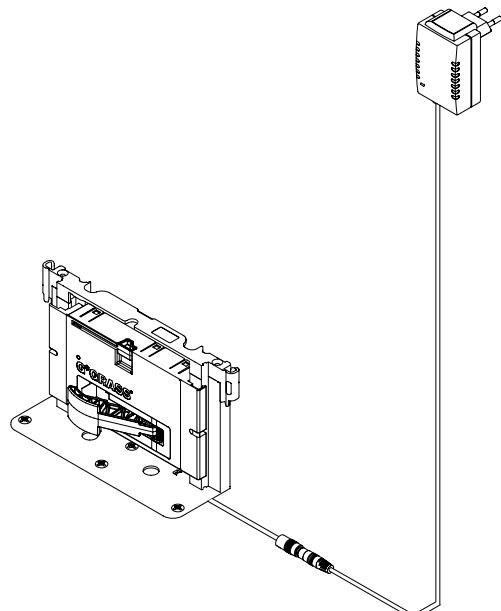
ORDER INFORMATION

Sensomatic single set	
for Dynapro	Item No.
	F121101208

1 set includes:

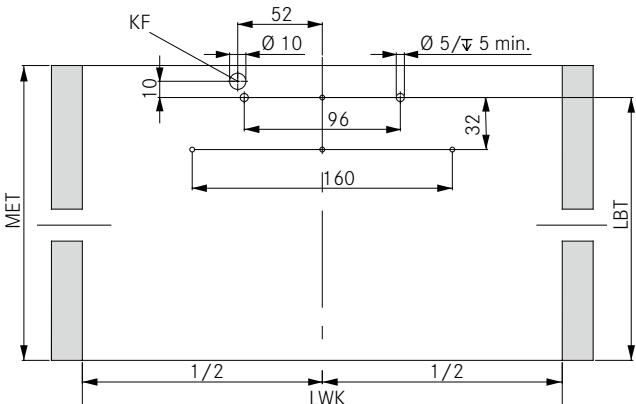
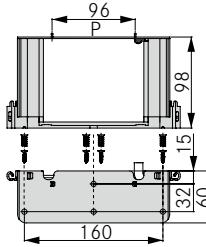
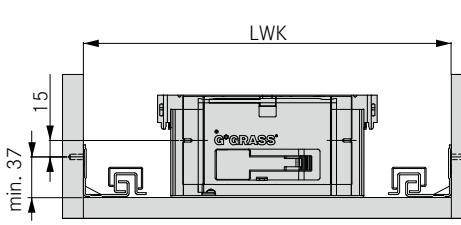
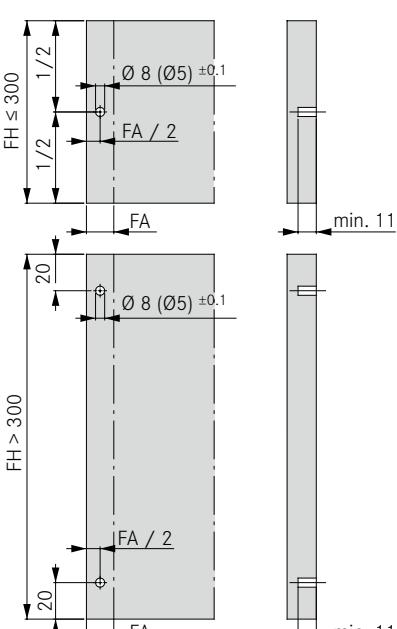
- 1** drive unit (1x)
- 2** installation set (1x)
- 3** power supply unit with plug (1x)
(Central Europe, DE, FR, IT, CH, ES, RU, PT, NL)
- 4** spring-loaded front buffers (4x)

drilling and installation instructions (1x)



Vionaro drawer system	9
Dynapro Soft-close	28

PLANNING DIMENSIONS

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

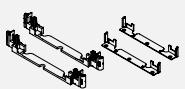
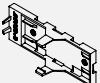
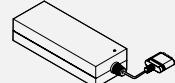
LEGEND

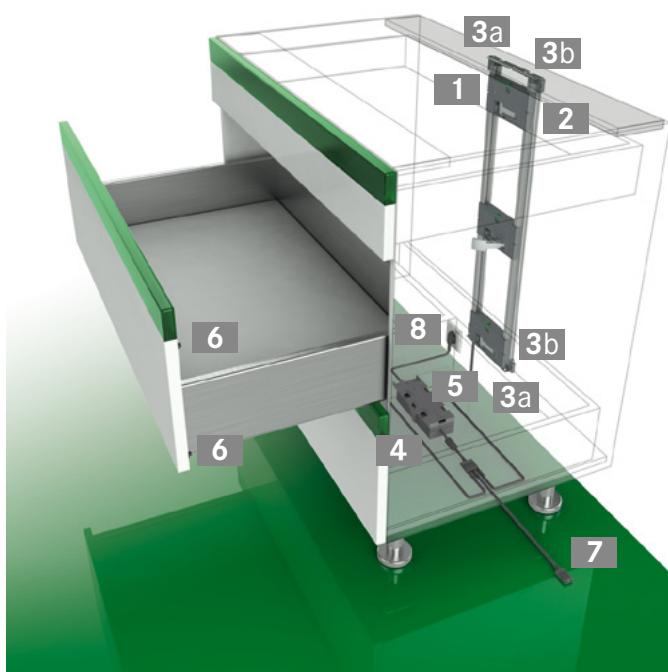
FA	Front overlay	LWK	Inside cabinet width	RW	Back panel
FH	Height of front	MET	Minimum installation depth		
KF	Cable routing	NL	Nominal length		
LBT	Depth of hole pattern	P	Positioning aid		

VIONARO SENOMATIC

Standard cabinet with horizontal wooden stretcher

ORDER INFORMATION

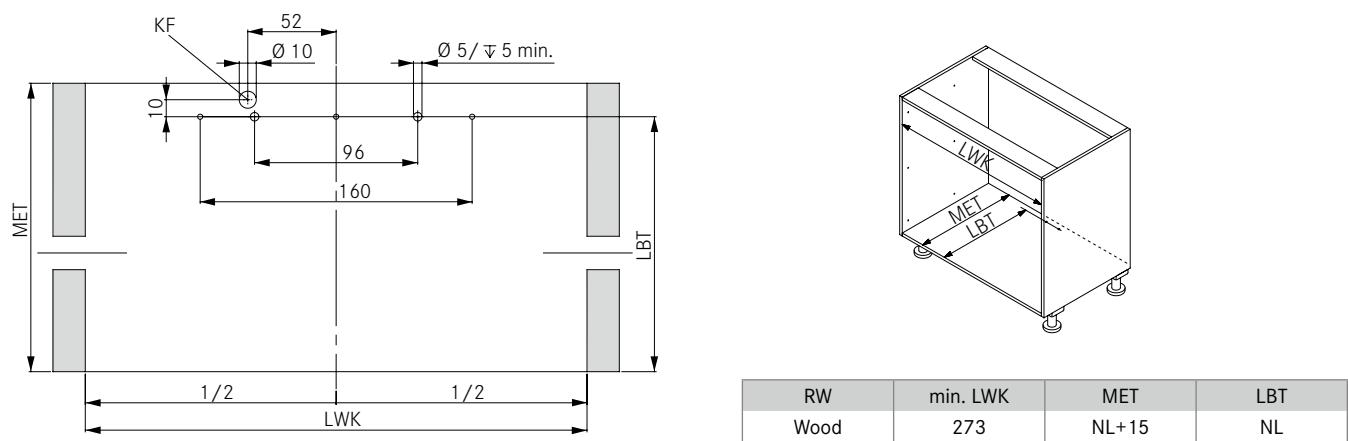
1 Drive unit			
	Item No.		
for Dynapro	F121101195		
2 Frame sides including frame side cable			
	Length	Item No.	
	653	F121100284	
	750	F121100285	
	1170	F121100286	
3 Fixing set consisting of: items 3a (2x) and 3b (2x)			
	Item No.		
	F121100610		
3b Fixing brackets, top/bottom			
	Item No.		
	F121100270		
5 Power supply unit holder			
	Item No.		
	F121100604		
4 Power supply unit			
	Item No.		
	F121100269		
6 Front buffer, spring-loaded			
	Ø	Front gap	Item No.
	5	2.2	F121100294
		3	F121100295
	8	2.2	F121100297
		3	F121100298
7 Connection cable with 2-way adapter			
	Length	Item No.	
	600	F121100288	
	1000	F121100289	
	2000	F121100291	
8 Power supply cable			
	K A E L D C		
Plug		Item No.	
Power supply cable K (USA, CAN)		F120069760	
Power supply cable K (JP)		F120072445	
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)		F120069761	
Power supply cable E (DK)		F120069763	
Power supply cable L (CH)		F120069765	
Power supply cable D (UK, AE, MY)		F120069766	
Power supply cable C (AU, NZ)		F120078669	
Without plug		F120069767	



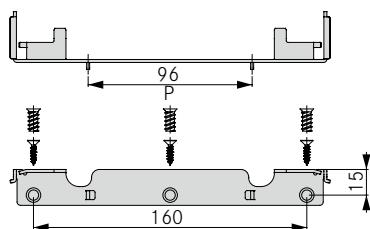
Vionaro drawer system	9	
Dynapro Soft-close	28	

PLANNING DIMENSIONS

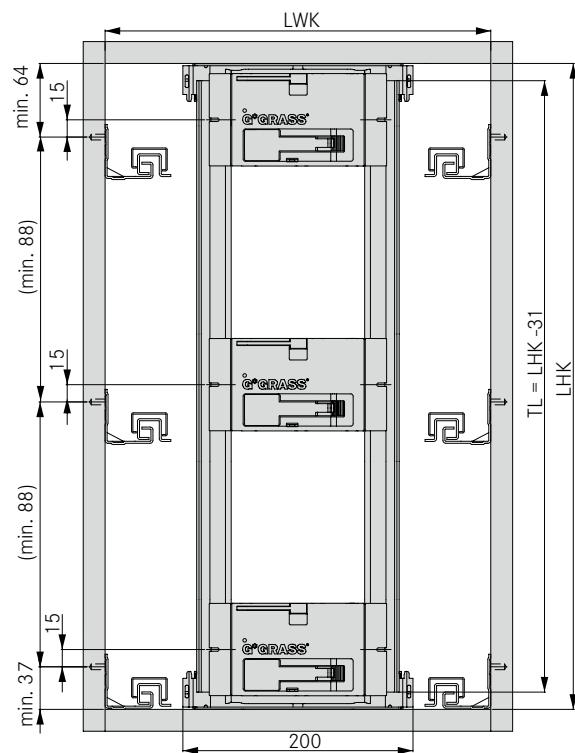
Installation dimensions



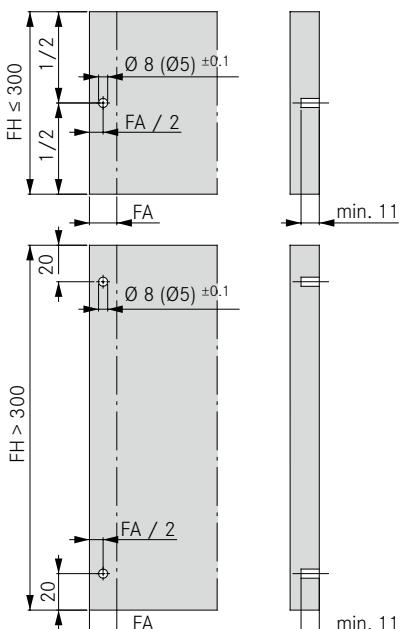
Fixing brackets, top/bottom



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

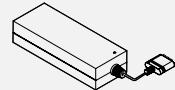
LHK	Inside cabinet height
LWK	Inside cabinet width
MET	Minimum installation depth
NL	Nominal length

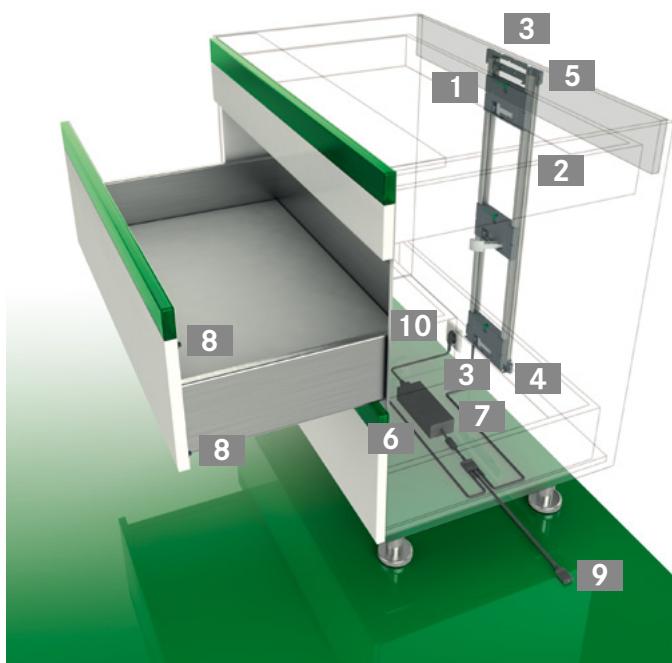
P	Positioning aid
RW	Back panel
TL	Length of frame side

VIONARO SENOMATIC

Standard cabinet with vertical wooden stretcher

ORDER INFORMATION

1 Drive unit			
	Item No.		
for Dynapro	F121101195		
2 Frame sides including frame side cable			
	Length	Item No.	
	653	F121100284	
	750	F121100285	
	1170	F121100286	
3 Frame connector			
	Item No.		
	F121100282		
4 Fixing brackets top/bottom			
	Item No.		
	F121100270		
5 Fixing bracket, back, inside mounted			
	Item No.		
	F121100275		
6 Power supply unit			
	Item No.		
	F121100269		
7 Power supply unit holder			
	Item No.		
	F121100604		
8 Front buffer, spring-loaded			
	Ø	Front gap	Item No.
	5	2.2	F121100294
		3	F121100295
	8	2.2	F121100297
		3	F121100298
9 Connection cable with 2-way adapter			
	Length	Item No.	
600		F121100288	
1000		F121100289	
2000		F121100291	
10 Power supply cable	 K A E L D C		
Plug	Item No.		
Power supply cable K (USA, CAN)	F120069760		
Power supply cable K (JP)	F120072445		
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761		
Power supply cable E (DK)	F120069763		
Power supply cable L (CH)	F120069765		
Power supply cable D (UK, AE, MY)	F120069766		
Power supply cable C (AU, NZ)	F120078669		
Without plug	F120069767		
Vionaro drawer system	9		
Dynapro Soft-close	28		



PLANNING DIMENSIONS

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

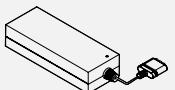
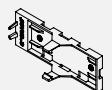
LEGEND

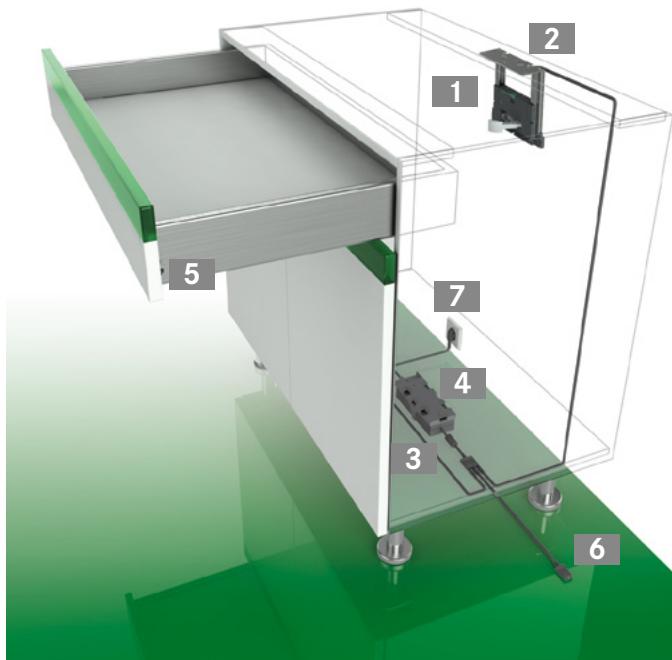
FA	Front overlay	LHK	Inside cabinet height	P	Positioning aid
FH	Height of front	LWK	Inside cabinet width	RW	Back panel
KF	Cable routing	MET	Minimum installation depth	TL	Length of frame side
LBT	Depth of hole pattern	NL	Nominal length		

VIONARO SENOMATIC

Single drawer with overhead frame set mounting

ORDER INFORMATION

1	Drive unit		2	Frame set	
		Item No.			Item No.
		F121101195			F121100273
3	Power supply unit		4	Power supply unit holder	
		Item No.			Item No.
		F121100269			F121100604
5	Front buffer, spring-loaded		6	Connection cable with 2-way adapter	
		Ø		Length	
			Front gap		Item No.
		5	2.2	600	F121100288
			3	1000	F121100289
		8	2.2	2000	F121100291
			3		
7	Power supply cable	 K A E L D C			
		Plug		Item No.	
		Power supply cable K (USA, CAN)			F120069760
		Power supply cable K (JP)			F120072445
		Power supply cable A (DE, ES, FR, IT, RU, NL, SE)			F120069761
		Power supply cable E (DK)			F120069763
		Power supply cable L (CH)			F120069765
		Power supply cable D (UK, AE, MY)			F120069766
		Power supply cable C (AU, NZ)			F120078669
		Without plug			F120069767



Vionaro drawer system	9
Dynapro Soft-close	28

PLANNING DIMENSIONS

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

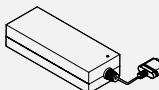
LEGEND

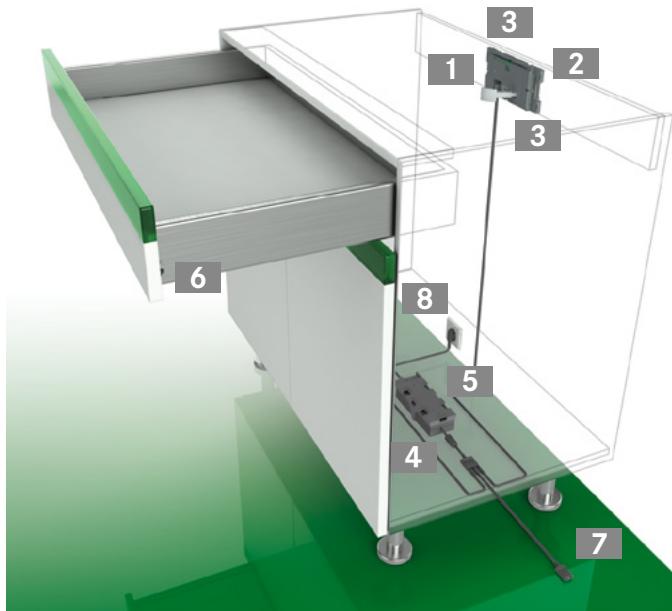
FA	Front overlay	LBT	Depth of hole pattern	P	Positioning aid
FH	Height of front	LWK	Inside cabinet width	RW	Back panel
KF	Cable routing	MET	Minimum installation depth		
KUB	Cabinet base	NL	Nominal length		

VIONARO SENSOMATIC

Single drawer with back panel frame set mounting

ORDER INFORMATION

1	Drive unit		2	Frame sides for back panel frame set mounting including hole drilling	
					Item No.
					F121100283
3	Frame connector		4	Power supply unit	
					Item No.
					F121100269
5	Power supply unit holder		6	Front buffer, spring-loaded	
					Ø
					5
					2.2
					3
					8
					2.2
					3
7	Connection cable with 2-way adapter		8	Power supply cable	
					Plug
	Length	Item No.			Item No.
	600	F121100288		Power supply cable K (USA, CAN)	F120069760
	1000	F121100289		Power supply cable K (JP)	F120072445
	2000	F121100291		Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761
				Power supply cable E (DK)	F120069763
				Power supply cable L (CH)	F120069765
				Power supply cable D (UK, AE, MY)	F120069766
				Power supply cable C (AU, NZ)	F120078669
				Without plug	F120069767



Vionaro drawer system	9		
Dynapro Soft-close	28		

PLANNING DIMENSIONS

Installation dimensions				
	RW Wood	min. LWK 273		
Frame sides				
		MET NL+15		
Position of drive unit				
	Position of front buffer			
<p>For FH ≤ 300:</p> <ul style="list-style-type: none"> Front overlay (FA) = 1/2 Front buffer diameter = Ø 8 (Ø 5) ±0.1 Front buffer distance from FA = 1/2 Front buffer distance from bottom = 20 Front buffer diameter = Ø 8 (Ø 5) ±0.1 Front buffer distance from bottom = 20 Front buffer distance from FA = 20 Front buffer distance from bottom = 20 Front buffer distance from FA = 20 <p>For FH > 300:</p> <ul style="list-style-type: none"> Front overlay (FA) = 1/2 Front buffer diameter = Ø 8 (Ø 5) ±0.1 Front buffer distance from FA = 20 Front buffer distance from bottom = 20 Front buffer diameter = Ø 8 (Ø 5) ±0.1 Front buffer distance from bottom = 20 Front buffer distance from FA = 20 Front buffer distance from bottom = 20 Front buffer distance from FA = 20 				
<p>Note: When installing 70 kg Dynapro slides, 4 front buffers must be inserted into the front.</p>				

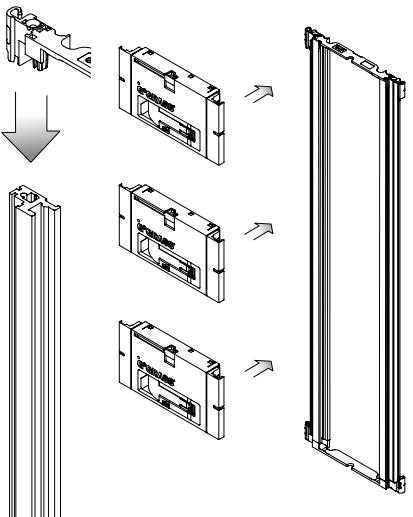
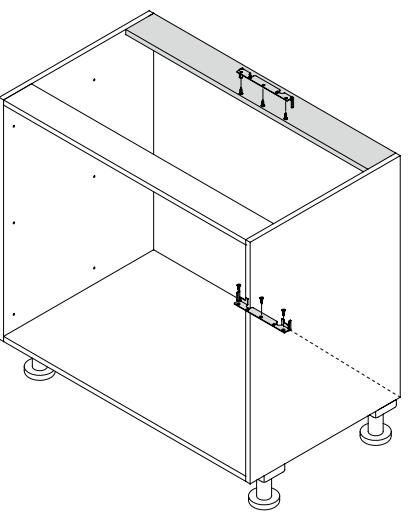
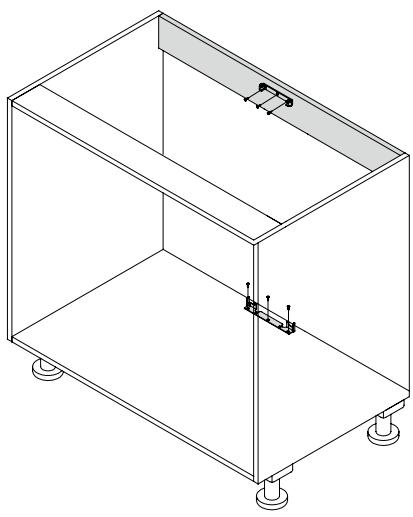
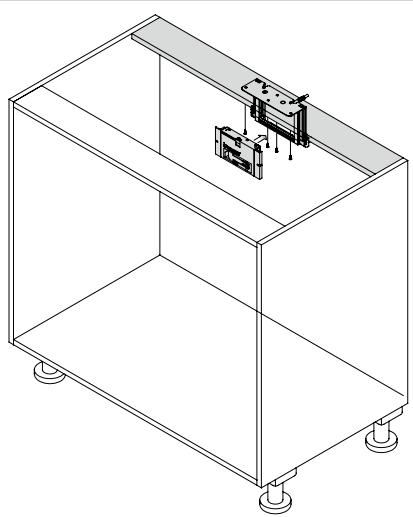
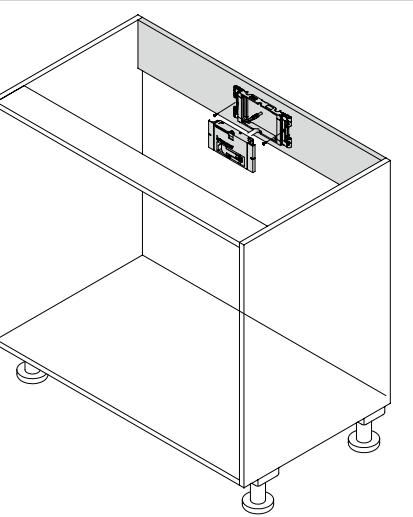
LEGEND

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

VIONARO SENOMATIC

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
		

Horizontal wooden stretcher

48

Overhead frame set mounting

52

Vertical wooden stretcher

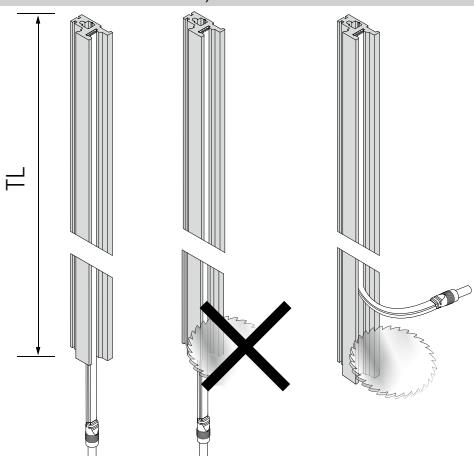
50

Back panel frame set mounting

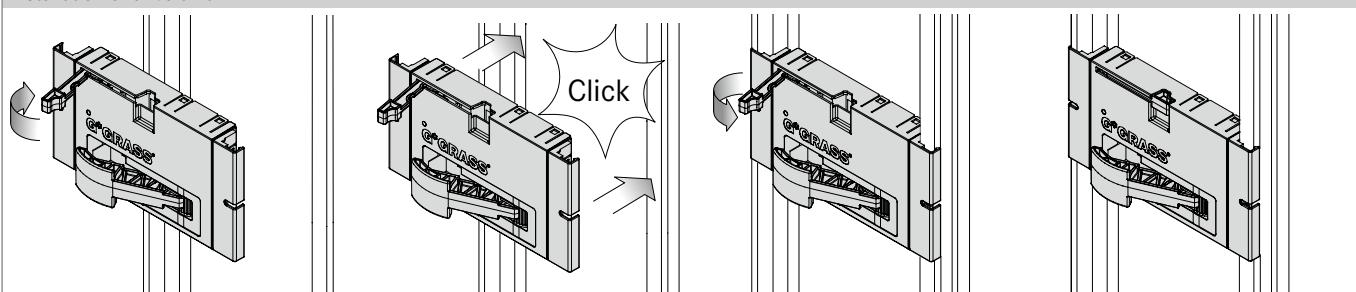
54

INSTALLATION INSTRUCTIONS

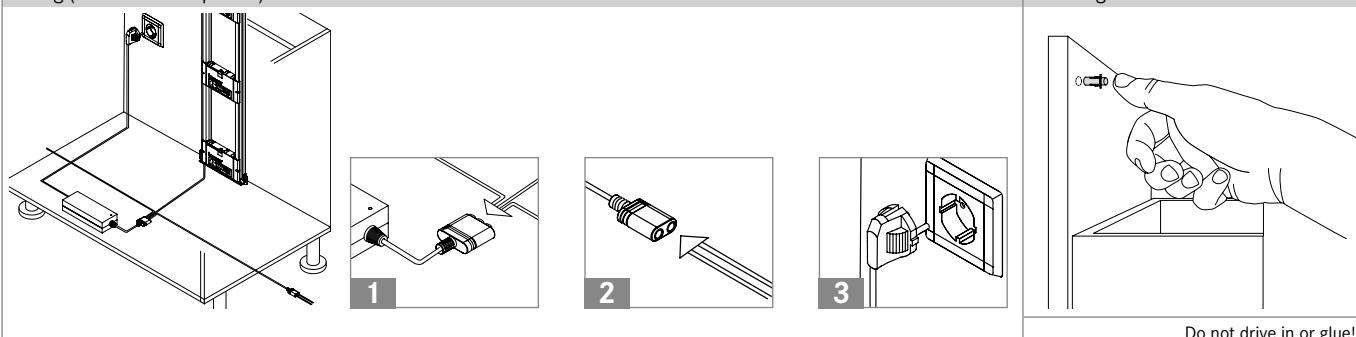
Cutting frame element to length (horizontal and vertical wooden stretchers)



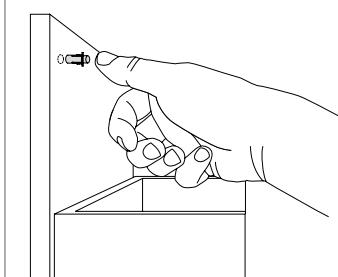
Installation of drive unit



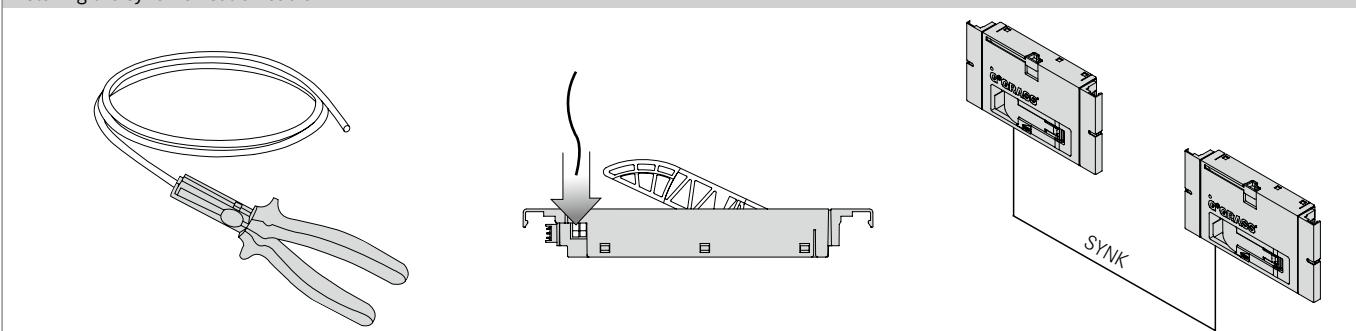
Wiring (connection sequence)



Inserting front buffer



Installing the synchronisation cable



LEGEND

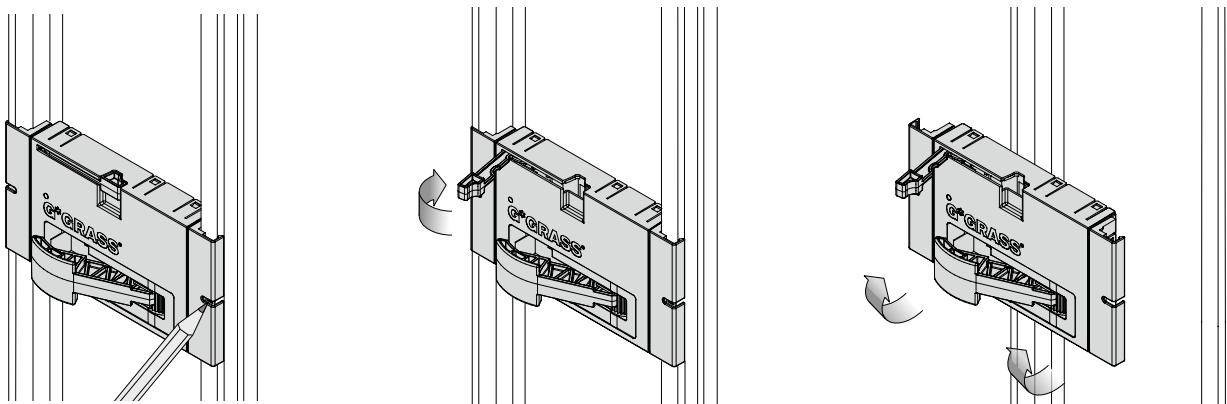
SYNK Synchronisation cable
TL Length of frame side

VIONARO SENOMATIC

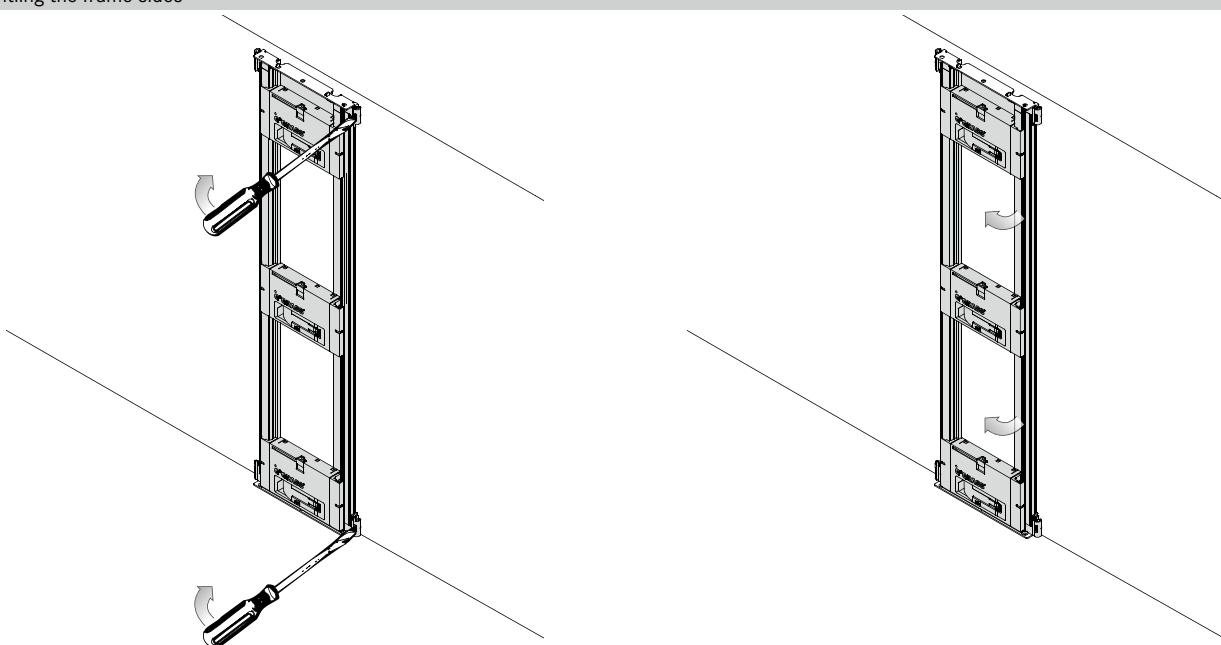
Dismantling instructions

DISMOUNTING

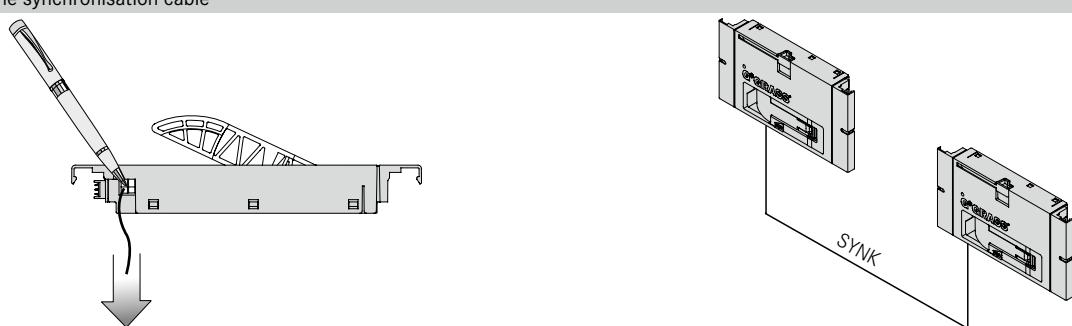
Dismantling the drive unit



Dismantling the frame sides



Dismantling the synchronisation cable



Horizontal wooden stretcher

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Overhead frame set mounting

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Vertical wooden stretcher

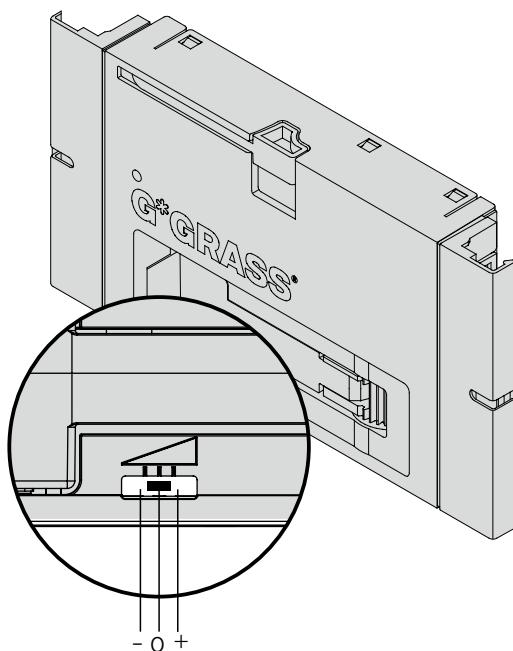
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Back panel frame set mounting

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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

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PU code	Quantity (units, pair, set)
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