

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.

You have the choice between durable and non-wearing laser branding and a 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.



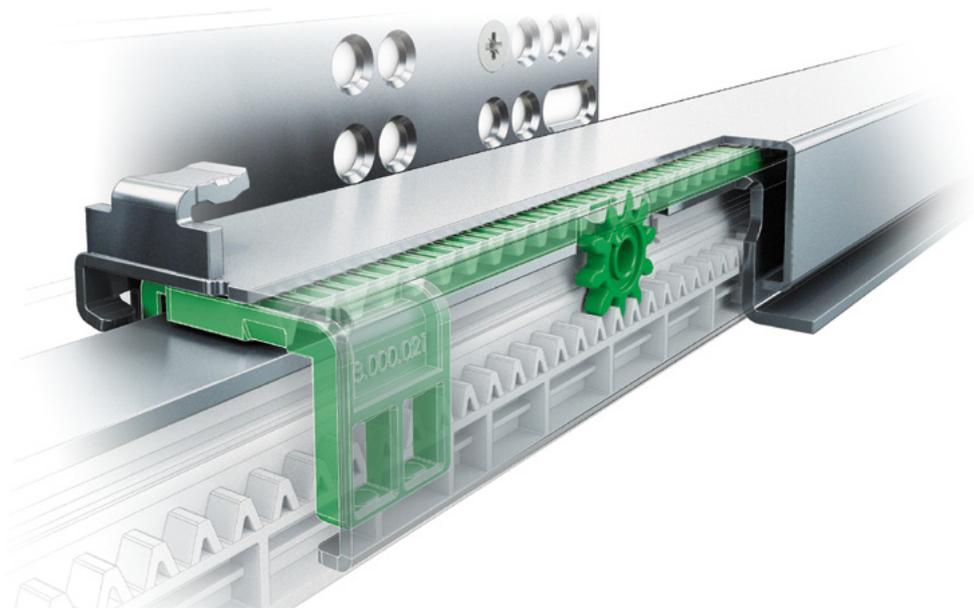
**reddot award 2014
winner**



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 H185 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.

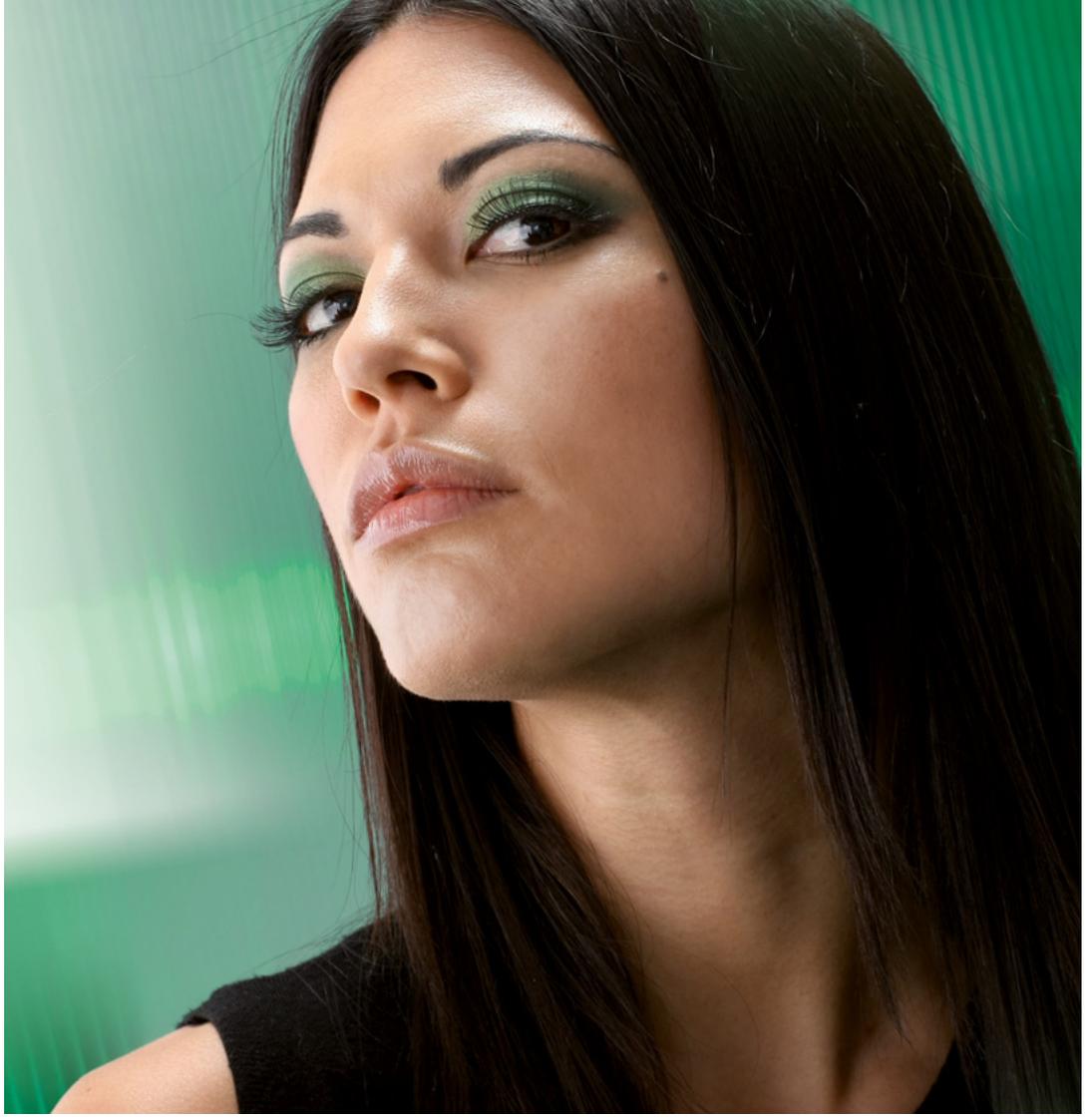
It's good to find things that were simply made for each other.



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.

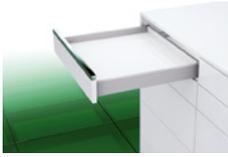
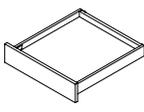
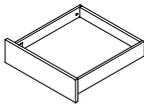
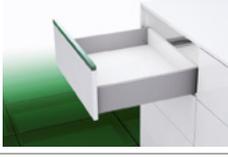
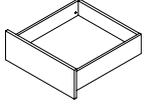
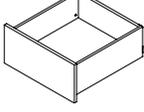
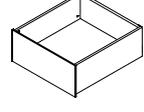
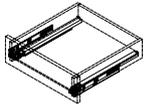
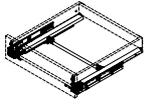
**Outstanding, detailed design.
As compelling on the inside as
on the outside.**

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.

	Product description		Page
	Vionaro drawer H63 <ul style="list-style-type: none"> • Integrated 3-dimensional adjustment (side, height and tilt angle adjustment) • 90° straight inside and outside • Slim 13 mm drawer side width 		10
	Vionaro drawer H89 <ul style="list-style-type: none"> • Integrated 3-dimensional adjustment (side, height and tilt angle adjustment) • 90° straight inside and outside • Slim 13 mm drawer side width 		12
	Vionaro inset drawer H89 <ul style="list-style-type: none"> • Colour-coordinated aluminium front panel profile • 90° straight inside and outside • Slim 13 mm drawer side width 		14
	Vionaro drawer H121 <ul style="list-style-type: none"> • Integrated 3-dimensional adjustment (side, height and tilt angle adjustment) • 90° straight inside and outside • Slim 13 mm drawer side width 		16
	Vionaro drawer H185 <ul style="list-style-type: none"> • Integrated 3-dimensional adjustment (side, height and tilt angle adjustment) • 90° straight inside and outside • Slim 13 mm drawer side width 		18
	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 		20
	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 		22
	Dynapro full extension slide Tipmatic 40/60 kg <ul style="list-style-type: none"> • Tipmatic full extension slide • Tipmatic element integrated into the slide • Excellent running characteristics 		24

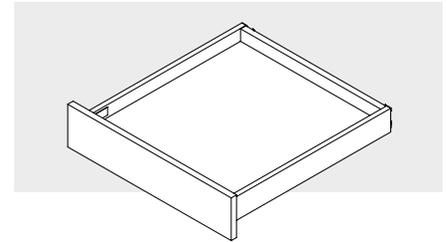
	Technical information	26
	Assembly aids	32
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VIONARO

Drawer H63



- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- 3-dimensional adjustment:
Integrated side and height adjustment,
tilt angle adjustment at back
- Plus and minus adjustments
- Dynapro slide can be used for wooden
and Vionaro drawers
- Bottom panel machining not required
- Tool-free front assembly



ORDER INFORMATION

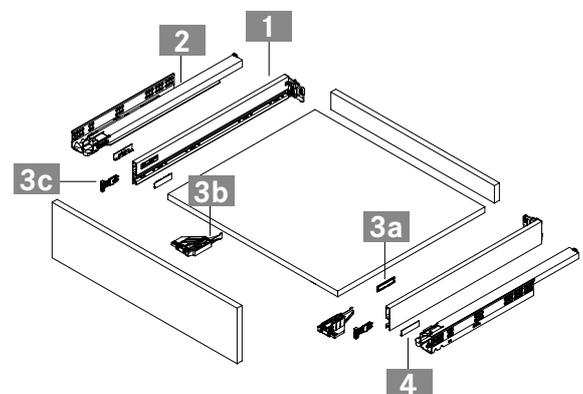
1 Vionaro drawer sides H63, left/right				
NL	Aluminium		Steel	
	Natural anodised	Silver grey	Graphite	Snow white
450	F135124624	F135124874	F135106024	F135106224
500	F135124630	F135124880	F135106030	F135106230
550	F135124636	F135124886	F135106036	F135106236

3 Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x)			
	Aluminium/ Silver grey	Graphite	Snow white
For screw connection	F136101003	F136101004	F136101005

2 Dynapro full extension slide with Soft-close, left/right			
NL	40 kg	70 kg	
450	F130116022	F130116927	
500	F130116024	F130116930	
550	F130116026	F130116936	

4 Optional accessories Branding clip with GRASS logo (Company logo on request)			
	Aluminium/ Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060

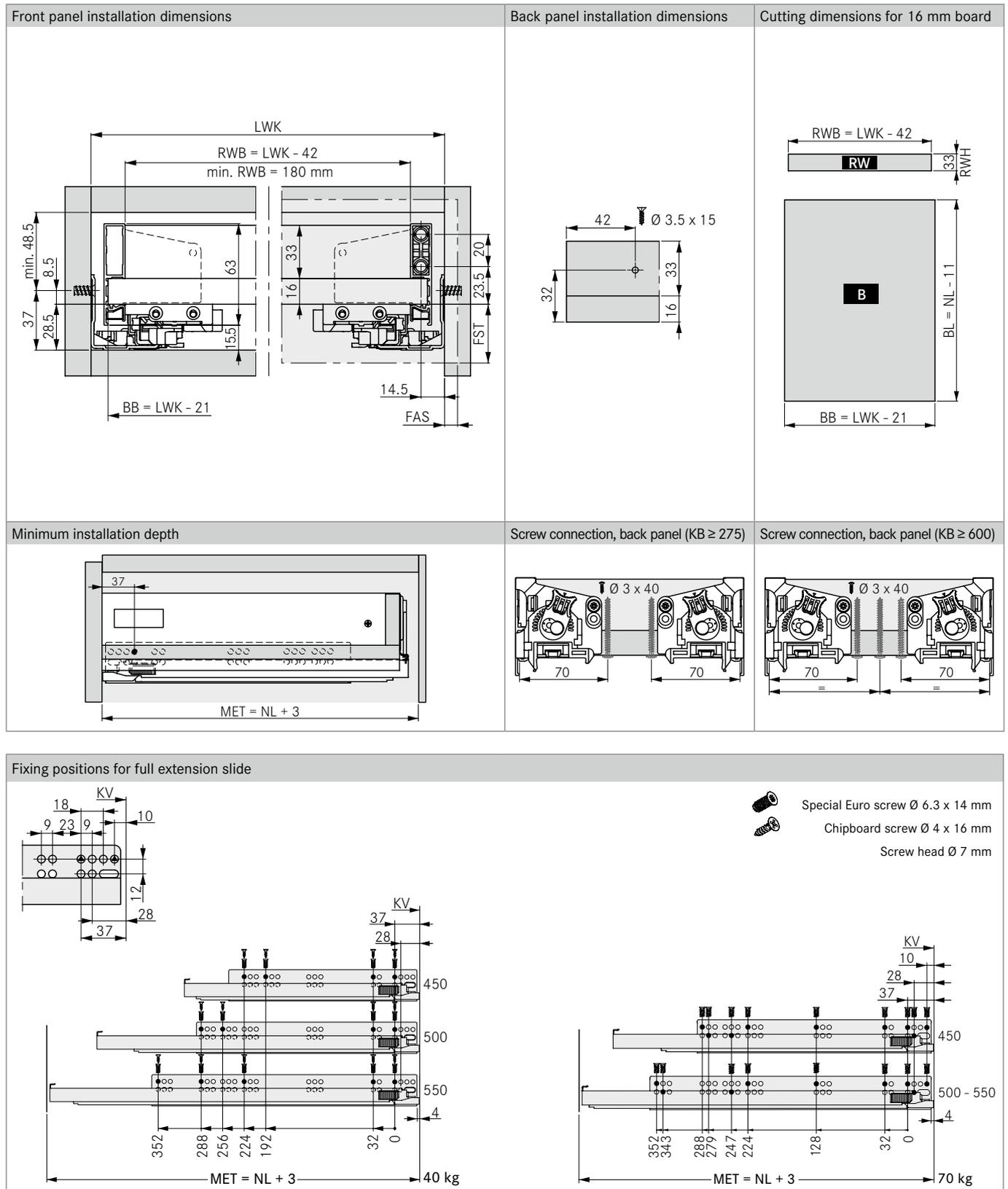
- 3** 1 set includes:
- 3a** Cover cap, inside (2x)
 - 3b** Front locking device set, left/right (1x)
 - 3c** Front connector (2x)



Dynapro Soft-close	22	Sensomatic	35	Assembly aids	32
Dynapro Tipmatic	24	Technical informations	26		

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

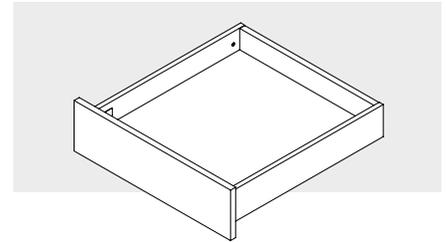
B/BB	Bottom panel/ Bottom panel width	KB	Cabinet width	NL	Nominal length
BL	Bottom panel length	KV	Front edge of cabinet	RW	Back panel
FAS	Front overlay, side	LWK	Inside cabinet width	RWB	Width of back panel
FST	Front overlay	MET	Minimum installation depth	RWH	Height of back panel

VIONARO

Drawer H89



- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- 3-dimensional adjustment: Integrated side, height and tilt angle adjustment
- Plus and minus adjustments
- Dynapro slide can be used for wooden and Vionaro drawers
- Bottom panel machining not required
- Tool-free front assembly



ORDER INFORMATION

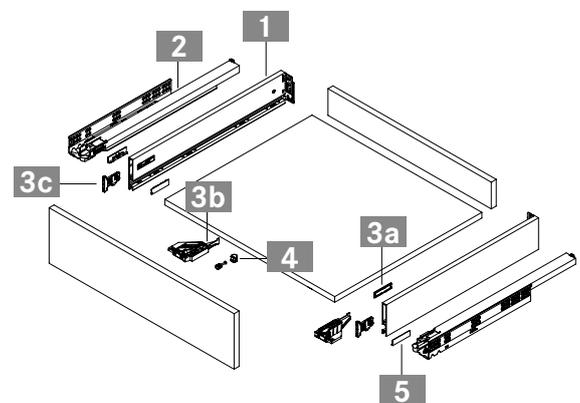
1 Vionaro drawer sides H89, left/right				
NL	Aluminium	Steel		
	Natural anodised	Silver grey	Graphite	Snow white
270	F135118357	F135119057	F135119303	F135120603
300	F135118360	F135119060	F135119306	F135120606
350	F135118366	F135119066	F135119312	F135120612
400	F135118372	F135119072	F135119318	F135120618
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

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

5 Optional accessories			
Branding clip with GRASS logo (Company logo on request)			
	Aluminium/Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060

4 Front-bottom connector Recommended from 600 mm KB			
	Item No.		
	F148026744		

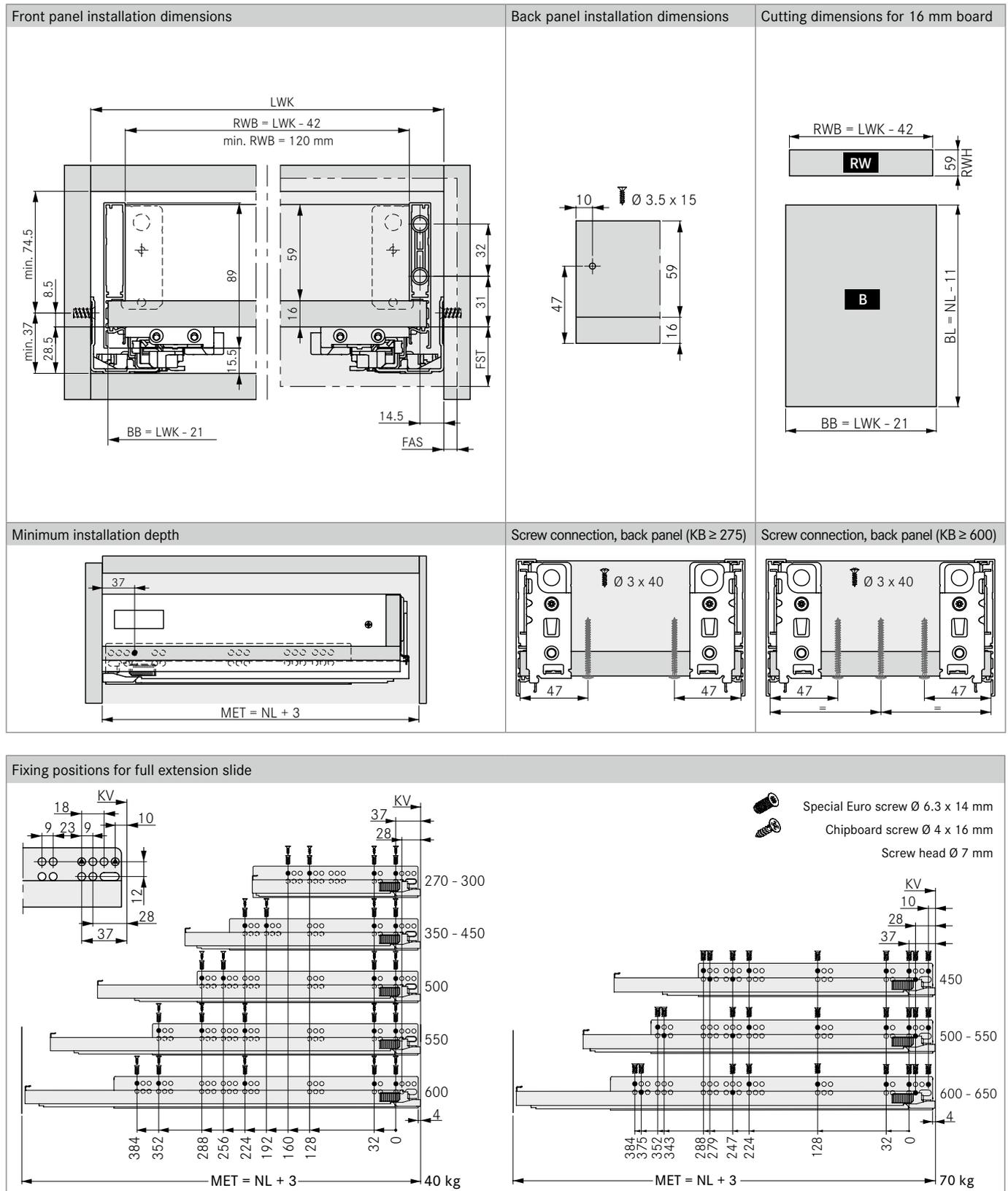


- 3 1 set includes:
- 3a Cover cap, inside (2x)
- 3b Front locking device set, left/right (1x)
- 3c Front connector (2x)

Dynapro Soft-close	22	Sensomatic	35	Assembly aids	32
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PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

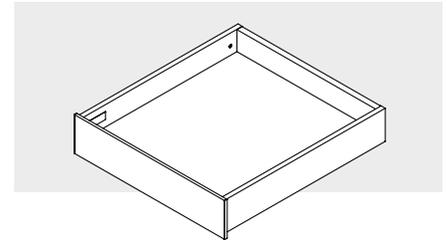
B/BB	Bottom panel/ Bottom panel width	KB	Cabinet width	NL	Nominal length
BL	Bottom panel length	KV	Front edge of cabinet	RW	Back panel
FAS	Front overlay, side	LWK	Inside cabinet width	RWB	Width of back panel
FST	Front overlay	MET	Minimum installation depth	RWH	Height of back panel

VIONARO

Inset drawer H89



- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Dynapro slide can be used for wooden and Vionaro drawers
- 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
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650	F135118399	F135119099	F135119400	F135120654

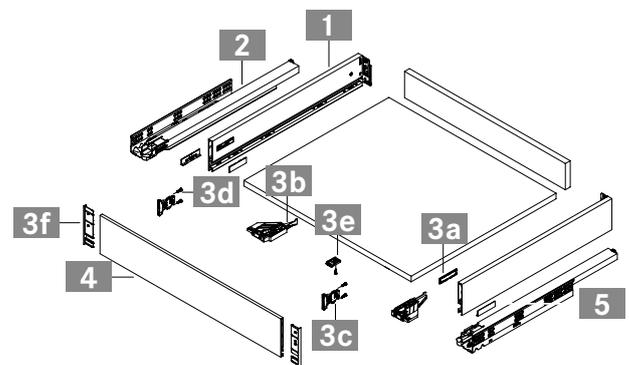
2 Dynapro full extension slide with Soft-close, left/right			
NL	40 kg	70 kg	
270	F130116015	-	
300	F130116016	-	
350	F130116018	-	
400	F130116020	-	
450	F130116022	F130116927	
500	F130116024	F130116930	
550	F130116026	F130116936	
600	F130117116	F130116942	
650	-	F130116945	

3 Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x), 3d (4x), 3e (1x), 3f (2x)			
	Aluminium/ Silver grey	Graphite	Snow white
For screw connection	F136100277	F136100278	F136100279

5 Optional accessories Branding clip with GRASS logo (Company logo on request)			
	Aluminium/ Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060

4 Vionaro inset front panel H89 for cutting to length				
Length	Aluminium	Silver grey	Graphite	Snow white
1160	F136120395	F136122619	F136120538	F136120569

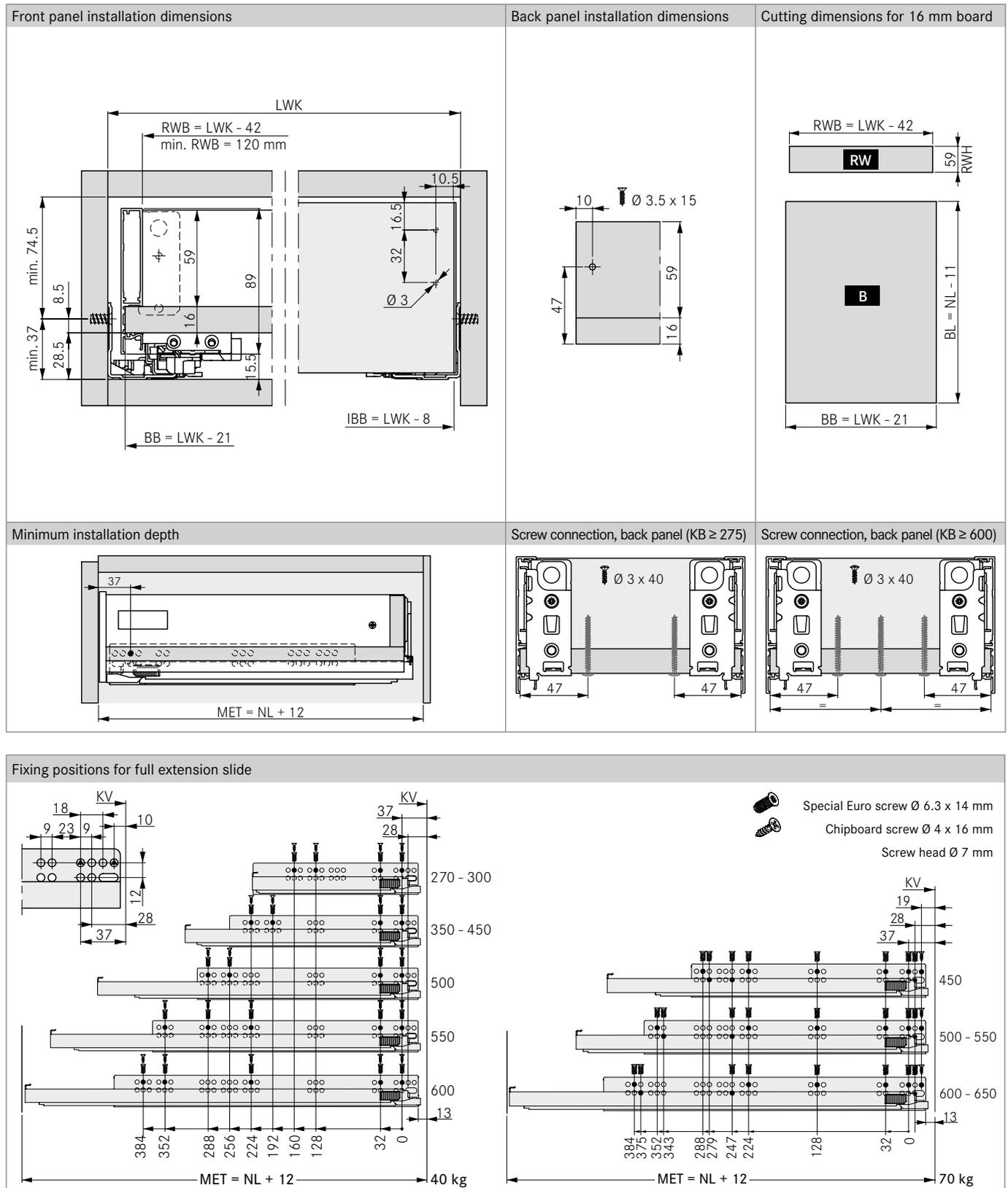
- 3** 1 set includes:
- 3a** Cover cap, inside (2x)
 - 3b** Front locking device set, left/right (1x)
 - 3c** Front connector (2x)
 - 3d** Special screw (4x)
 - 3e** Front bottom connector (1x)
 - 3f** End cap (2x)



Dynapro Soft-close	22	Technical informations	28		
Sensomatic	35	Assembly aids	32		

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

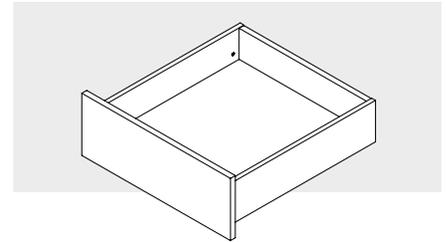
B	Bottom panel	KB	Cabinet width	NL	Nominal length
BB	Bottom panel width	KV	Front edge of cabinet	RW	Back panel
BL	Bottom panel length	LWK	Inside cabinet width	RWB	Width of back panel
IBB	Inset panel width	MET	Minimum installation depth	RWH	Height of back panel

VIONARO

Drawer H121



- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- 3-dimensional adjustment: Integrated side, height and tilt angle adjustment
- Plus and minus adjustments
- Dynapro slide can be used for wooden and Vionaro drawers
- Bottom panel machining not required
- Tool-free front assembly



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

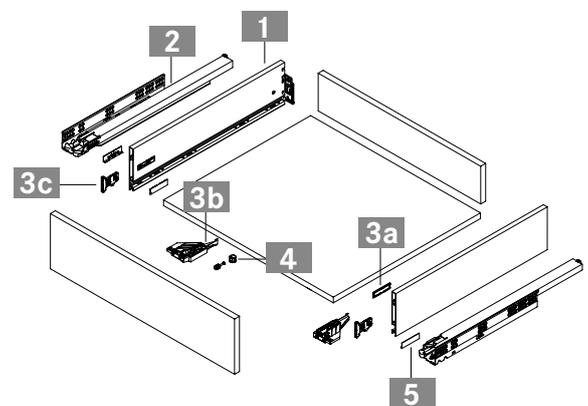
2 Dynapro full extension slide with Soft-close, left/right			
NL	40 kg	70 kg	
350	F130116018	-	
400	F130116020	-	
450	F130116022	F130116927	
500	F130116024	F130116930	
550	F130116026	F130116936	

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 accessories Branding clip with GRASS logo (Company logo on request)			
	Aluminium/Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060

4 Front-bottom connector Recommended from 600 mm KB			
	Item No.		
	F148026744		

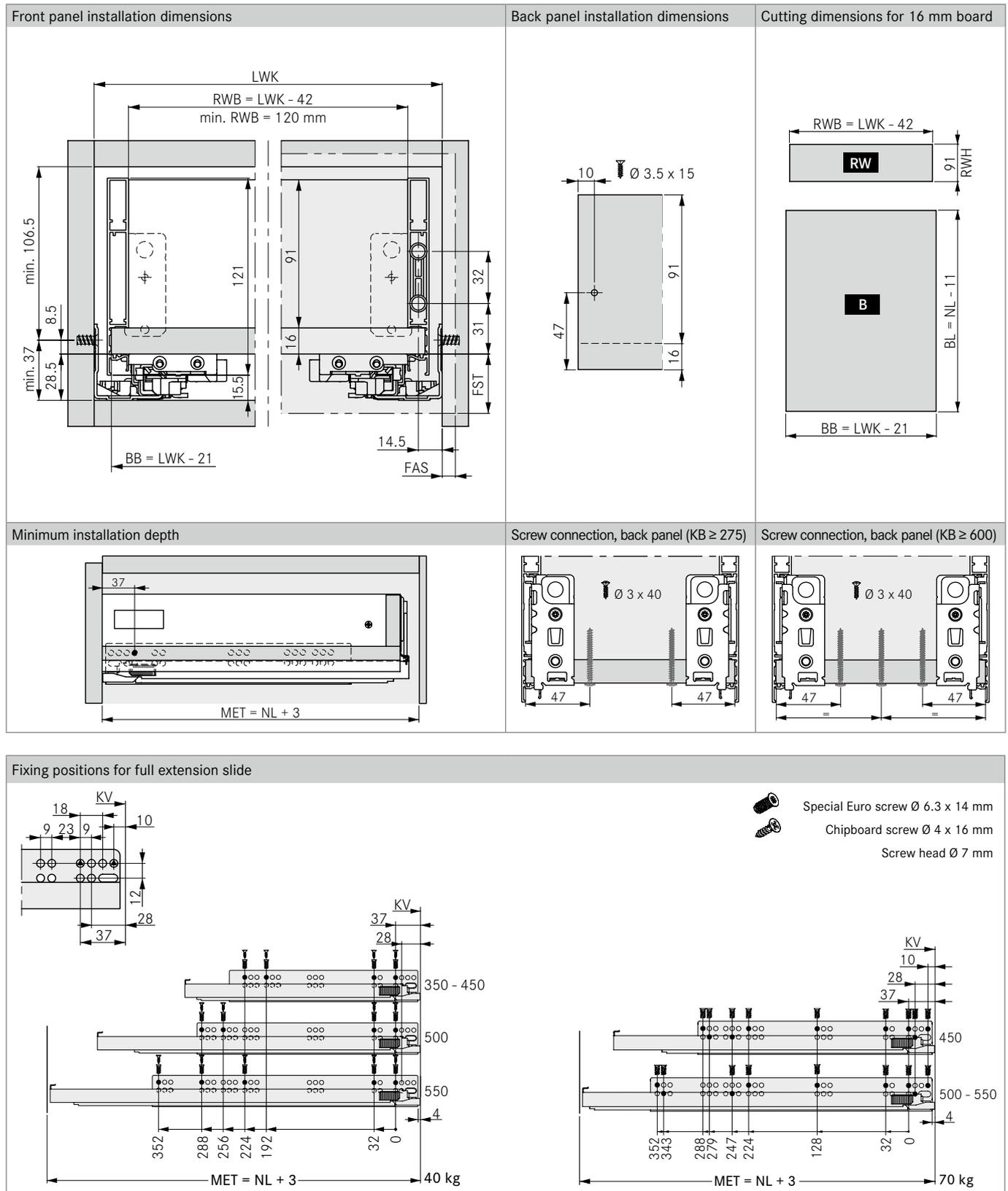
- 3 1 set includes:
- 3a Cover cap, inside (2x)
 - 3b Front locking device set, left/right (1x)
 - 3c Front connector (2x)



Dynapro Soft-close	22	Sensomatic	35	Assembly aids	32
Dynapro Tipmatic	24	Technical informations	28		

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

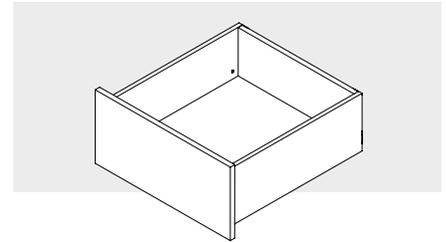
B/BB	Bottom panel/ Bottom panel width	KB	Cabinet width	NL	Nominal length
BL	Bottom panel length	KV	Front edge of cabinet	RW	Back panel
FAS	Front overlay, side	LWK	Inside cabinet width	RWB	Width of back panel
FST	Front overlay	MET	Minimum installation depth	RWH	Height of back panel

VIONARO

Drawer H185



- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- 3-dimensional adjustment: Integrated side, height and tilt angle adjustment
- Plus and minus adjustments
- Dynapro slide can be used for wooden and Vionaro drawers
- 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
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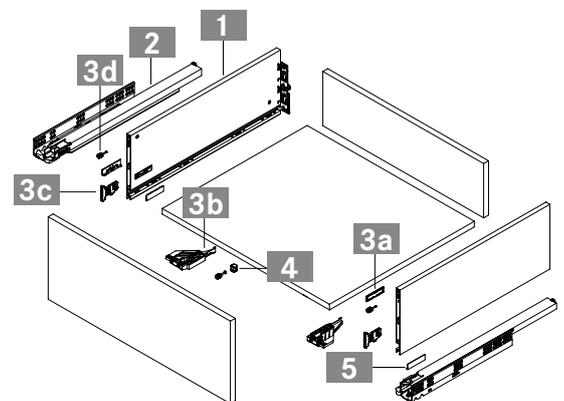
2 Dynapro full extension slide with Soft-close, left/right			
NL	40 kg	70 kg	
270	F130116015	-	
300	F130116016	-	
350	F130116018	-	
400	F130116020	-	
450	F130116022	F130116927	
500	F130116024	F130116930	
550	F130116026	F130116936	
600	F130117116	F130116942	
650	-	F130116945	

3 Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x), 3d (2x)			
	Aluminium/Silver grey	Graphite	Snow white
For screw connection	F136100310	F136100312	F136100314
Expansion dowel Ø 8 mm	F136100311	F136100313	F136100315

5 Optional accessories			
Branding clip with GRASS logo (Company logo on request)			
	Aluminium/Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060

4 Front-bottom connector			
Recommended from 600 mm KB			
	Item No.		
	F148026744		

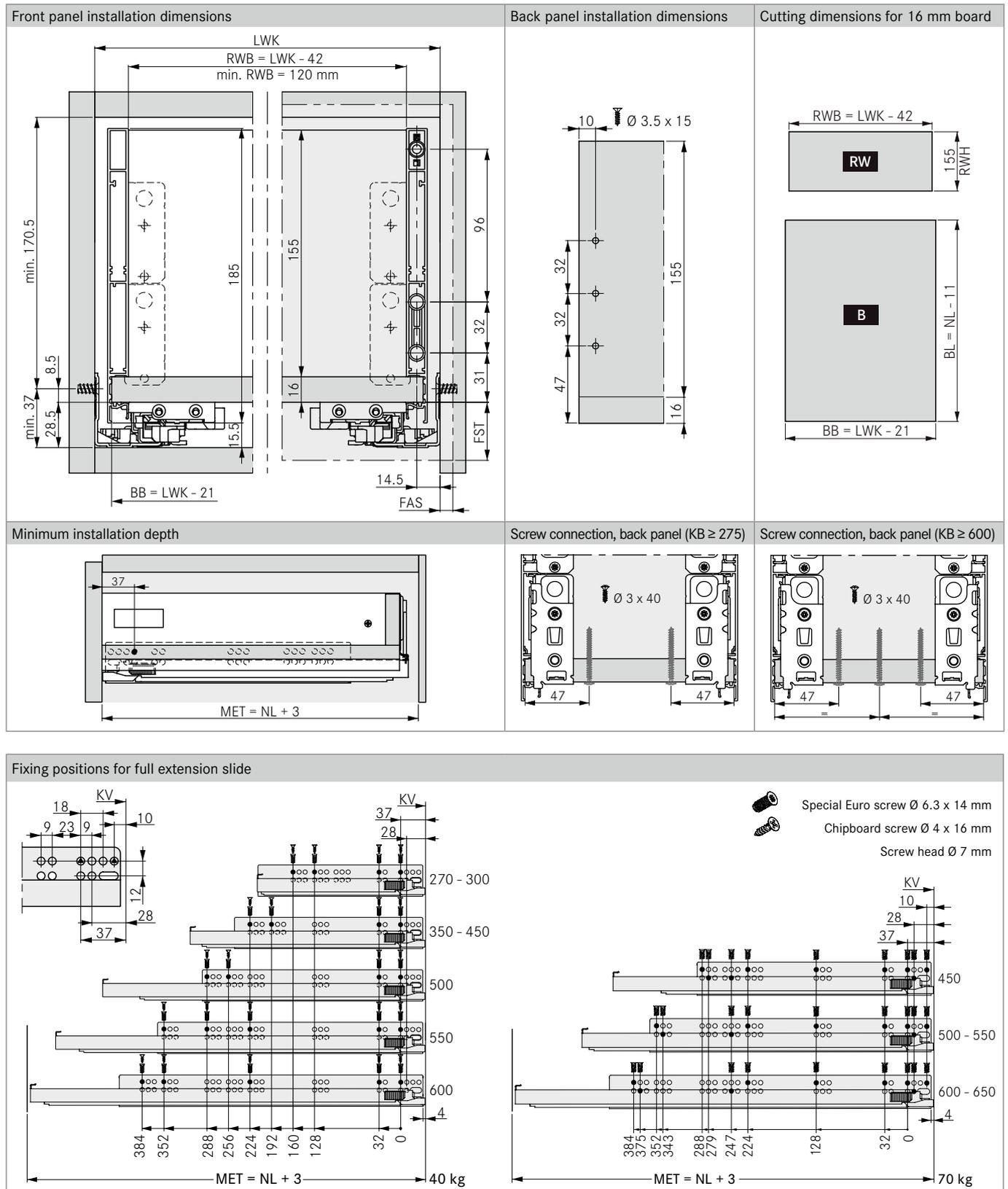
- 3 1 set includes:
- 3a Cover cap, inside (2x)
 - 3b Front locking device set, left/right (1x)
 - 3c Front connector (2x)
 - 3d Front stabiliser (2x)



Dynapro Soft-close	22	Sensomatic	35	Assembly aids	32
Dynapro Tipmatic	24	Technical informations	30		

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

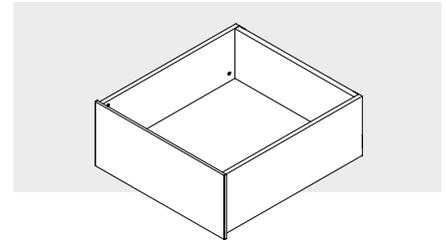
B/BB Bottom panel/ Bottom panel width	KB Cabinet width	NL Nominal length
BL Bottom panel length	KV Front edge of cabinet	RW Back panel
FAS Front overlay, side	LWK Inside cabinet width	RWB Width of back panel
FST Front overlay	MET Minimum installation depth	RWH Height of back panel

VIONARO

Inset drawer H185



- 90° straight inside and outside
- Slimline 13 mm wide drawer side
- Dynapro slide can be used for wooden and Vionaro drawers
- 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

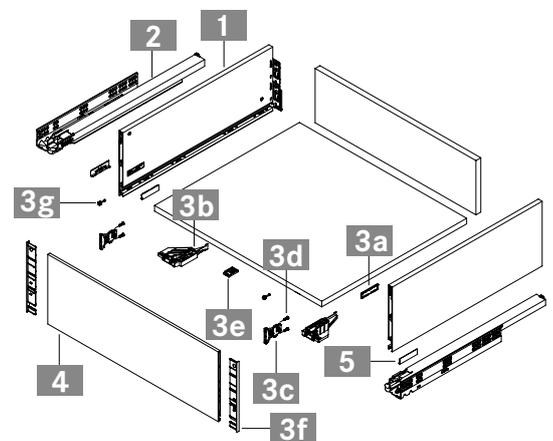
3 Accessory set consisting of items 3a (2x), 3b (1x), 3c (2x), 3d (4x), 3e (1x), 3f (2x), 3g (2x)			
	Aluminium/ Silver grey	Graphite	Snow white
For screw connection	F136100318	F136100319	F136100320

4 Vionaro inset front panel H185 for cutting to length				
Length	Aluminium	Silver grey	Graphite	Snow white
1160	F136120420	F136122669	F136120539	F136120589

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	

5 Optional accessories Branding clip with GRASS logo (Company logo on request)			
	Aluminium/ Silver grey	Graphite	Snow white
	F136118058	F136118059	F136118060

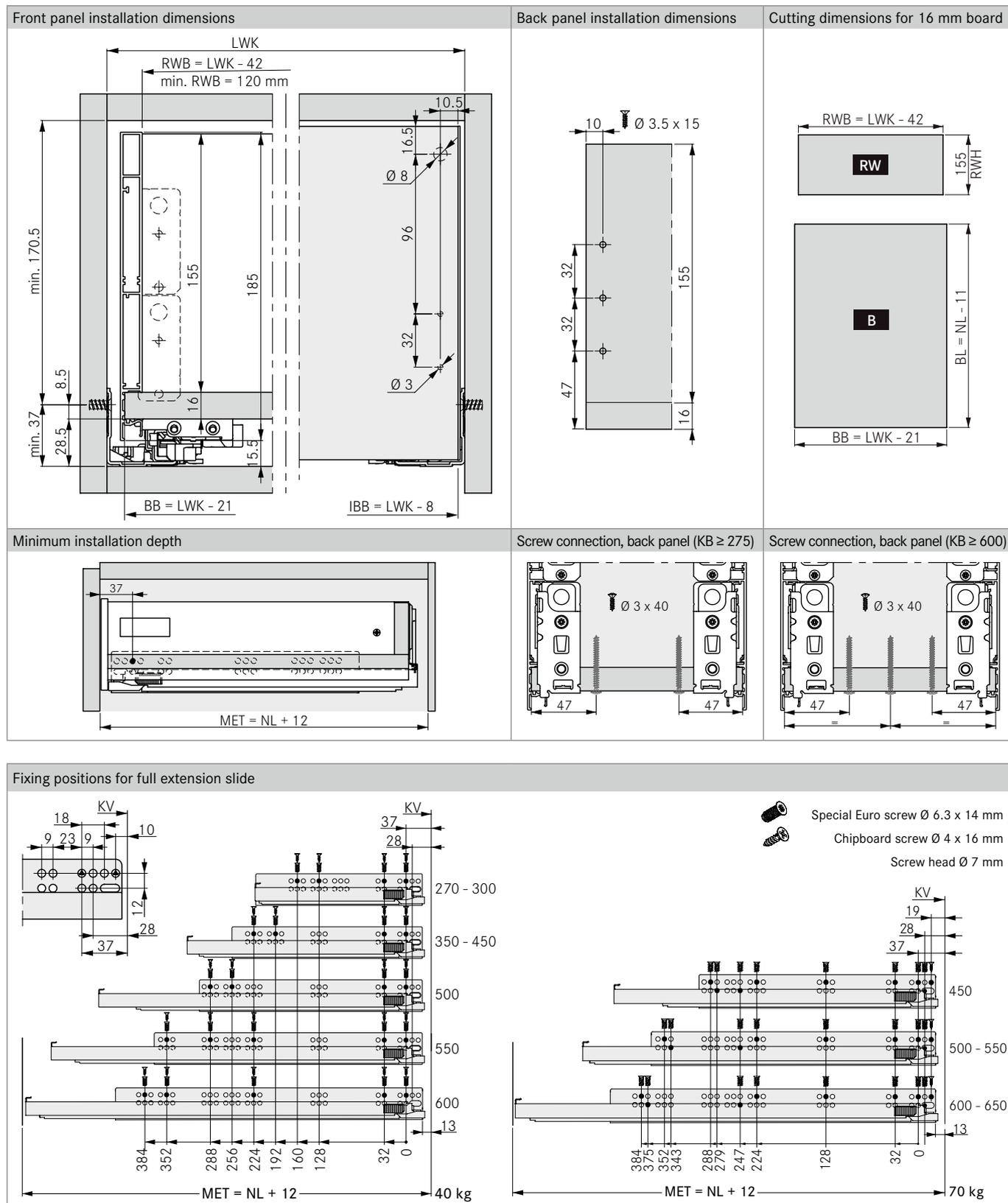
- 3 1 set includes:
- 3a Cover cap, inside (2x)
 - 3b Front locking device set, left/right (1x)
 - 3c Front connector (2x)
 - 3d Special screw (4x)
 - 3e Front bottom connector (1x)
 - 3f End cap (2x)
 - 3g Front stabiliser (2x)



Dynapro Soft-close	22	Technical informations	30
Sensomatic	35	Assembly aids	32

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

B	Bottom panel	KB	Cabinet width	NL	Nominal length
BB	Bottom panel width	KV	Front edge of cabinet	RW	Back panel
BL	Bottom panel length	LWK	Inside cabinet width	RWB	Width of back panel
IBB	Inset panel width	MET	Minimum installation depth	RWH	Height of back panel

DYNAPRO

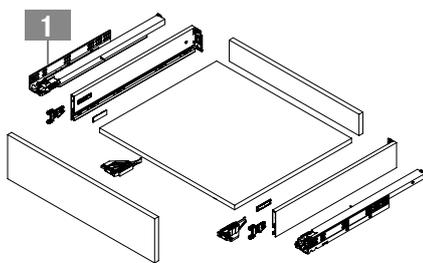
Full extension slide Soft-close 40/70 kg



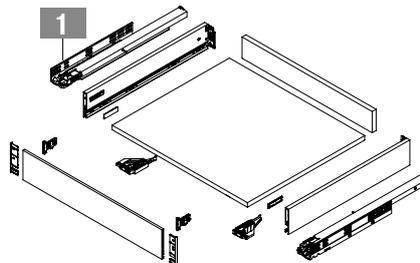
- Slides for Vionaro and wooden drawers
- Synchronised full extension slide, 40 kg or 70 kg load capacity
- Soft-close damping system
- Stepless self-locking of drawer when it is pushed onto the slides
- Integrated, tool-free 3-dimensional adjustment facility

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	



Vionaro drawer

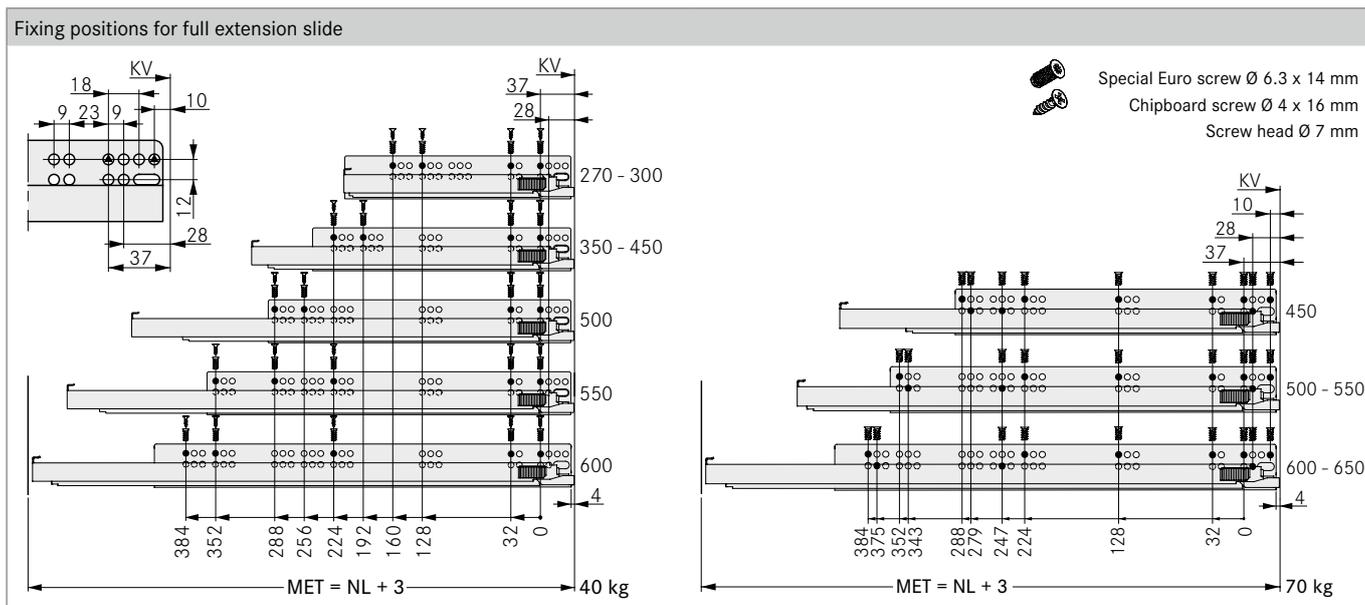
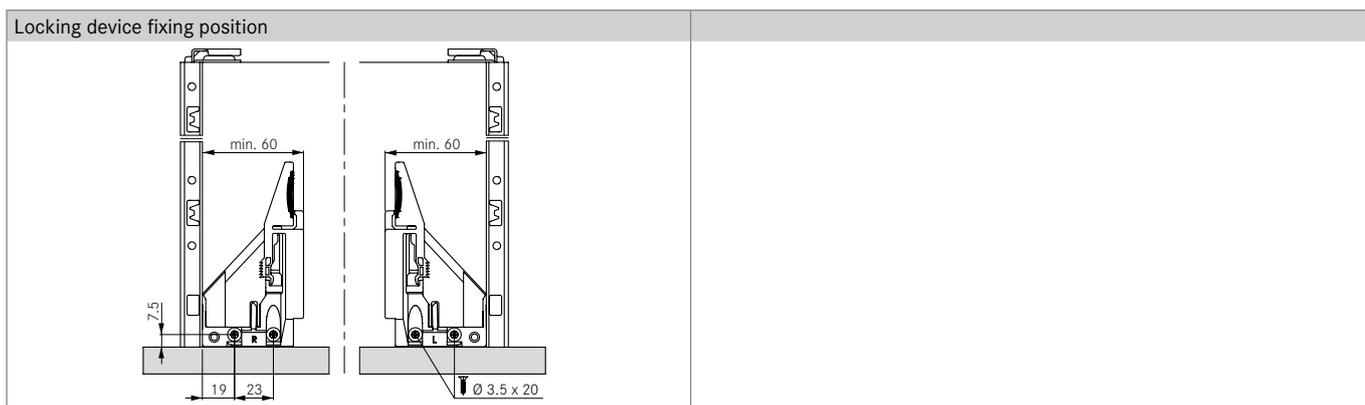
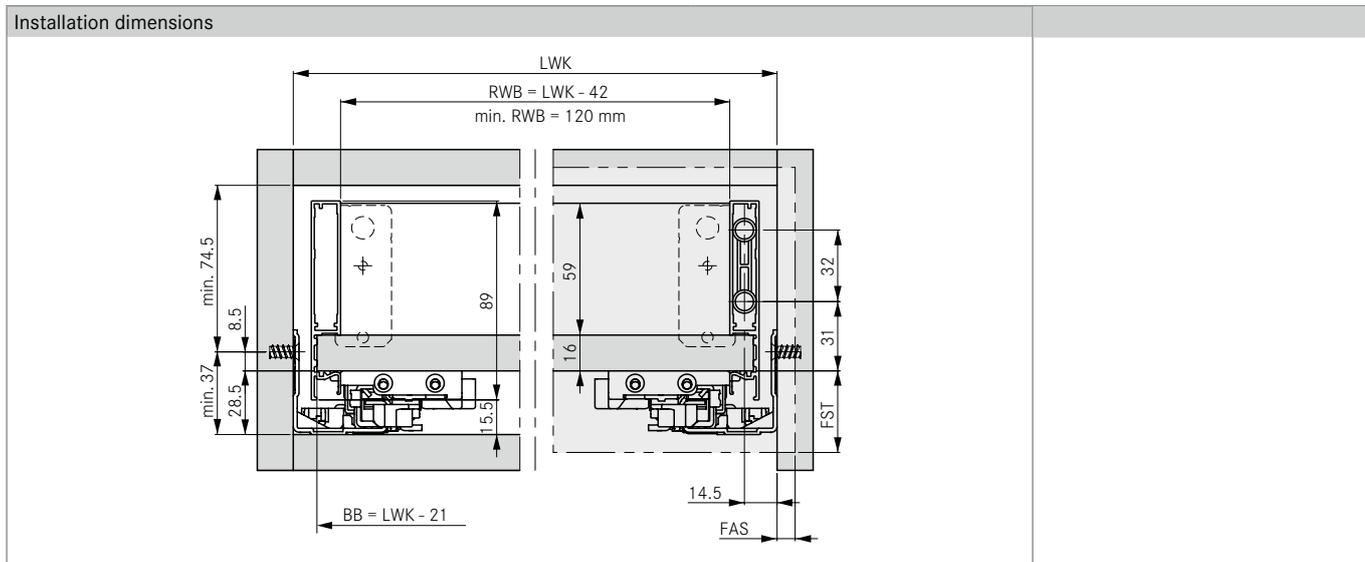


Vionaro inset drawer

Vionaro drawer system	9
Assembly aids	32

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

BB	Bottom panel width	LWK	Inside cabinet width	SKL	Length of drawer
FAS	Front overlay, side	MET	Minimum installation depth		
FST	Front overlay	NL	Nominal length		
KV	Front edge of cabinet	RWB	Width of back panel		

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

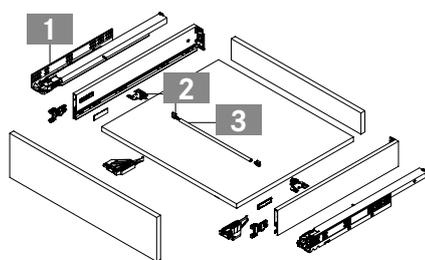
1 Dynapro Tipmatic full extension slide			
NL	40 kg	60 kg	
270	F130117459	-	
300	F130117460	-	
350	F130117462	-	
400	F130117463	-	
450	F130117465	F130117470	
500	F130117467	F130117471	
550	F130117468	F130117472	
600	-	F130116941	
650	-	F130117474	



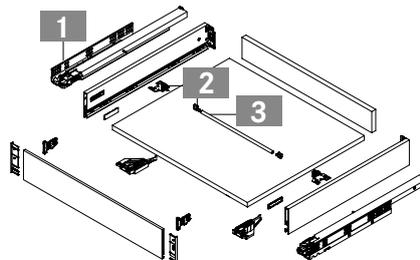
2 Set with synchronisation module and synchronisation lever			
	40 kg	60 kg	
	F134117475	F134117476	



3 Synchronisation rod for KB1200 S16, for cutting to length			
KB	Item No.		
1200	F134116947		



Vionaro drawer

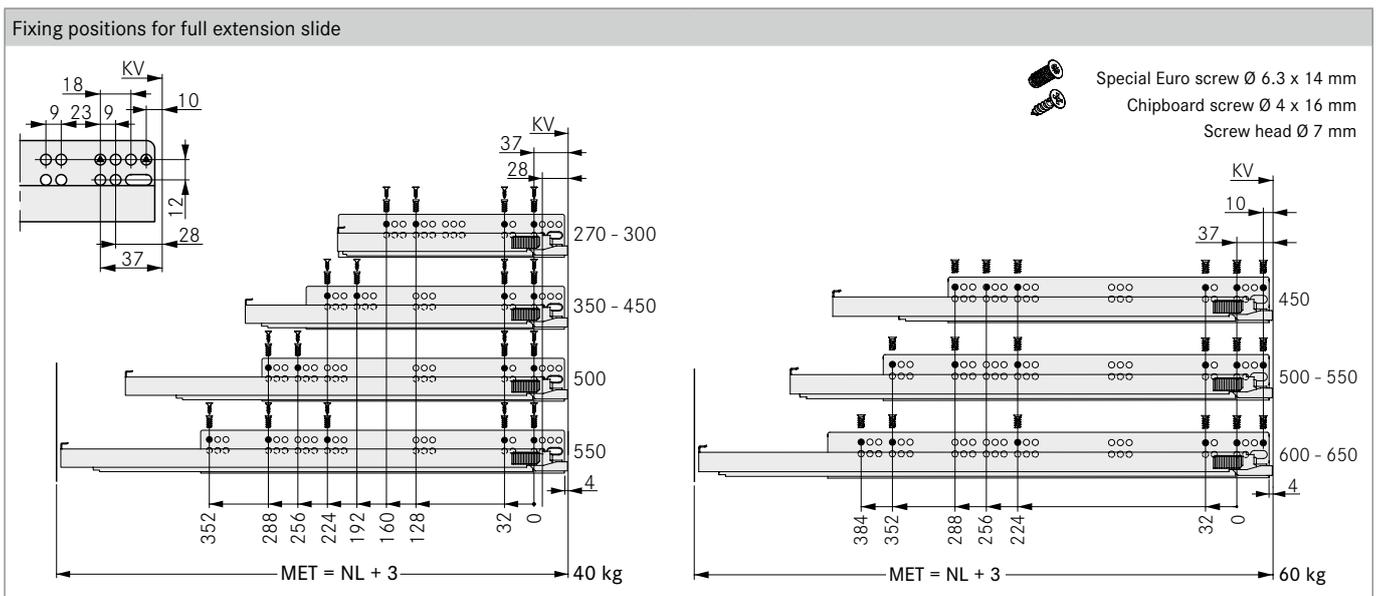
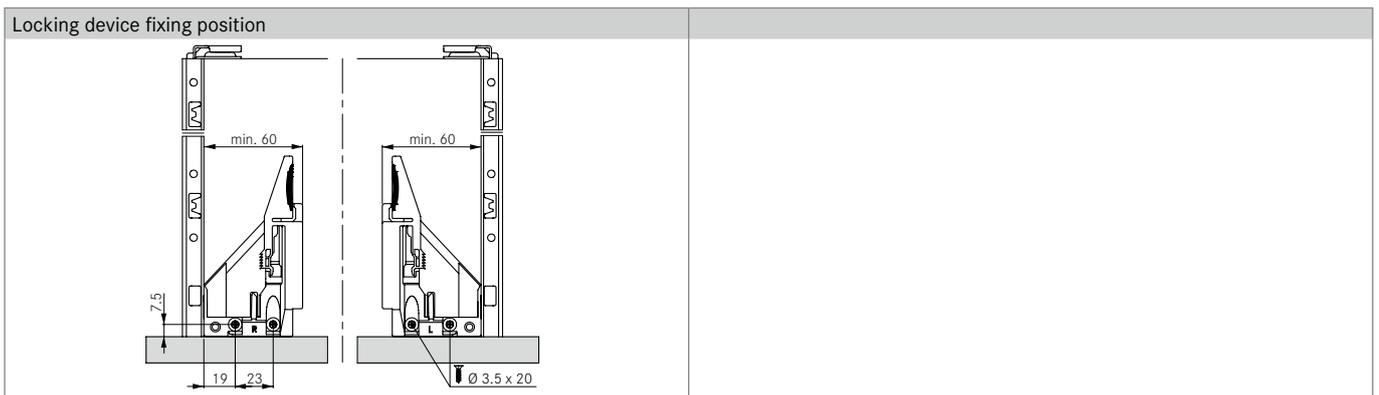
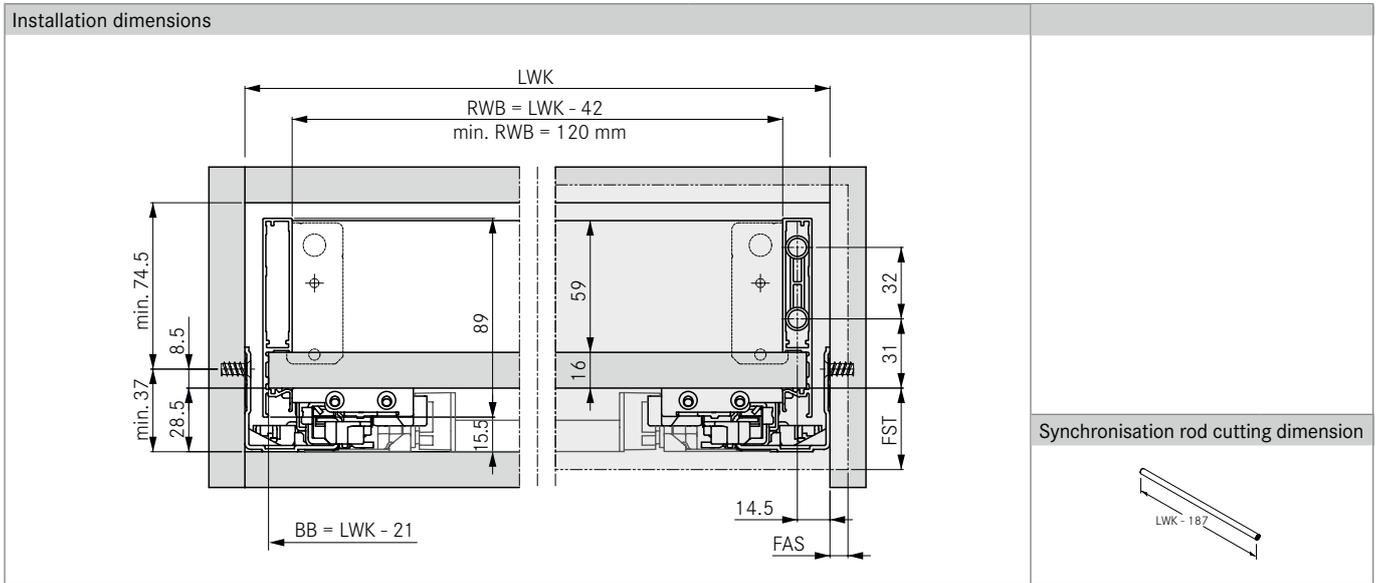


Vionaro inset drawer

Vionaro drawer system	9
Assembly aids	32

PLANNING DIMENSIONS

All dimensions in millimetres



LEGEND

BB	Bottom panel width	KV	Front edge of cabinet	RWB	Width of back panel
FAS	Front overlay, side	LWK	Inside cabinet width	SKL	Length of drawer
FST	Front overlay	MET	Minimum installation depth		
KB	Cabinet width	NL	Nominal length		

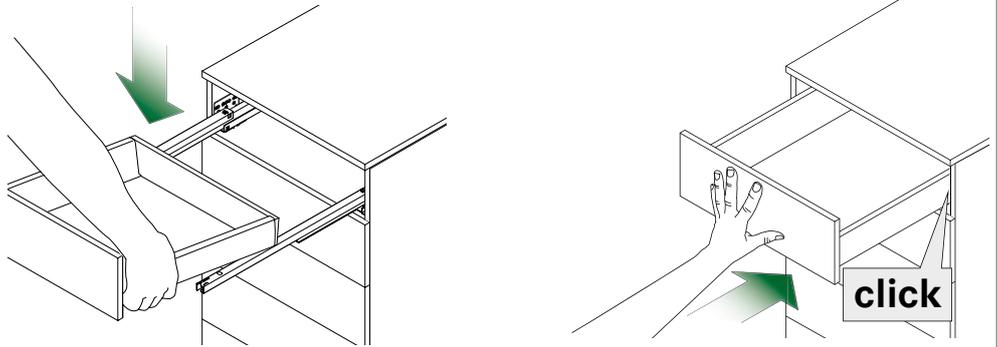
VIONARO

Technical information H63

MOUNTING/DISMOUNTING

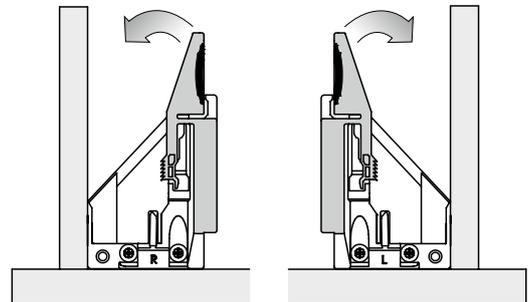
Inserting the drawer

Place the drawer on the extended slides.
Push the drawer fully home.
Drawer engages automatically!



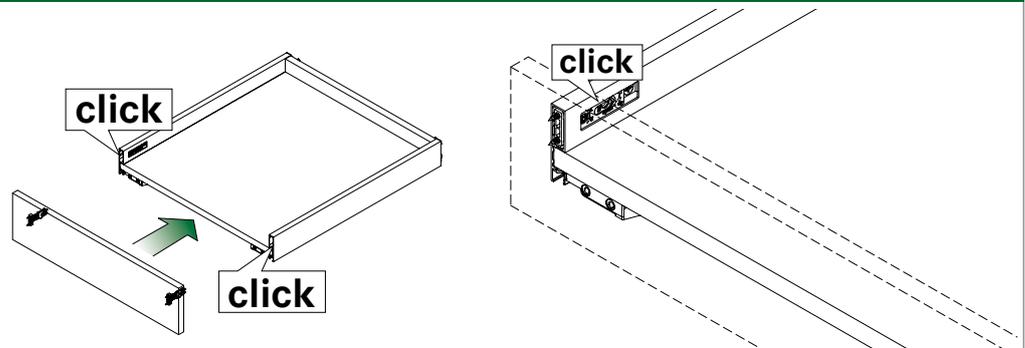
Removing the drawer

Pull out the drawer, operate the front locking device lever on both sides and lift drawer off the slides.



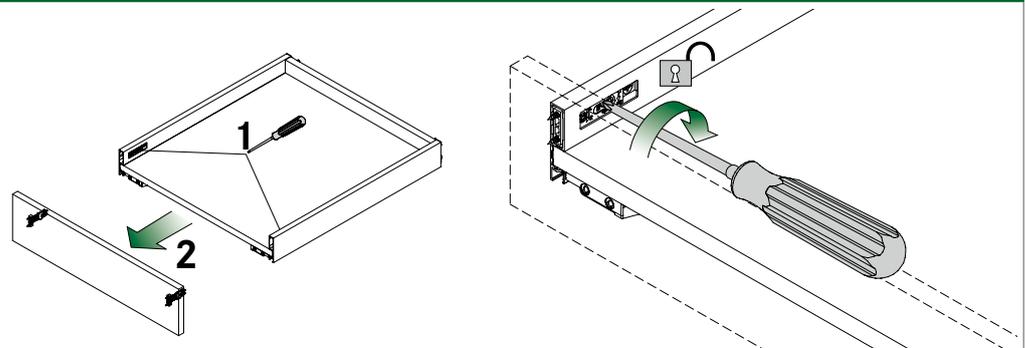
Front panel installation

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



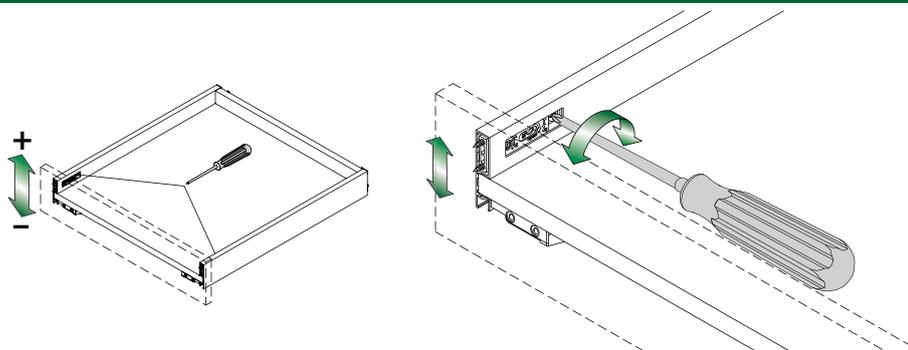
Removing the front panel

Use Pozidriv No. 2 screw driver to release.



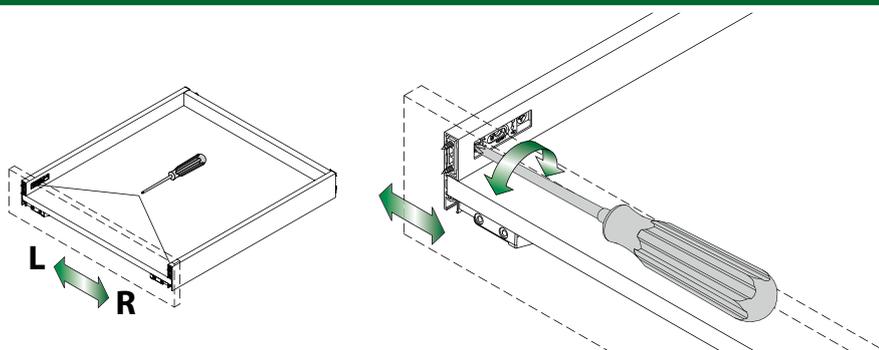
ADJUSTMENTS

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

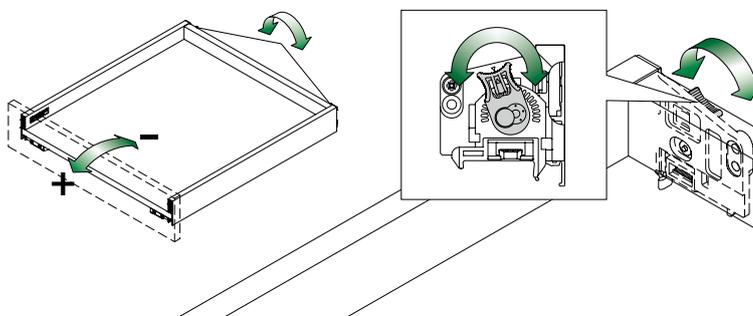


Side adjustment (± 1.5 mm)

Adjust both sides.



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



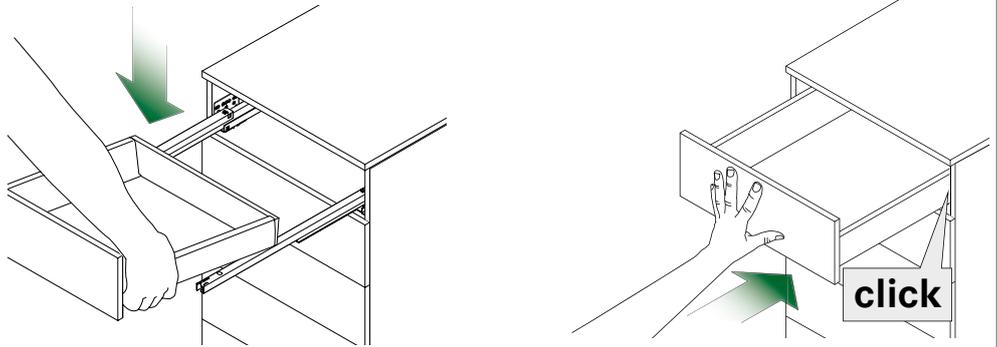
VIONARO

Technical information H89/H121

MOUNTING/DISMOUNTING

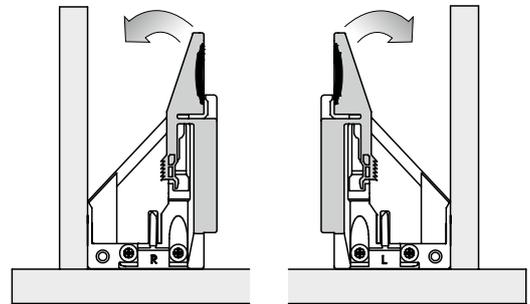
Inserting the drawer

Place the drawer on the extended slides.
Push the drawer fully home.
Drawer engages automatically!



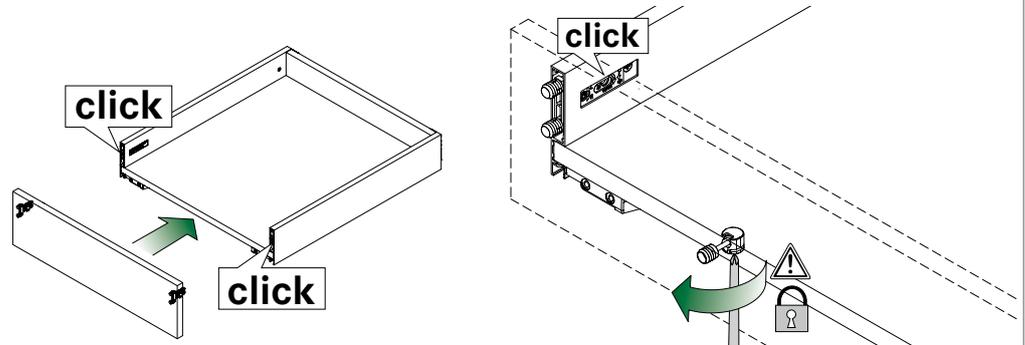
Removing the drawer

Pull out the drawer, operate the front locking device lever on both sides and lift drawer off the slides.



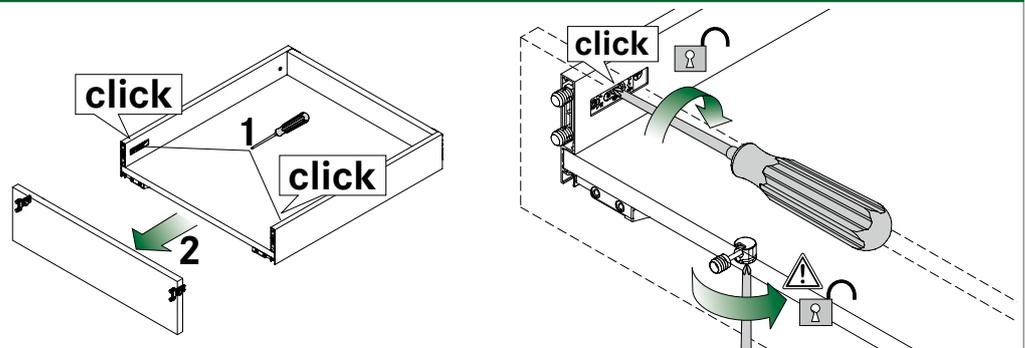
Front panel installation

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



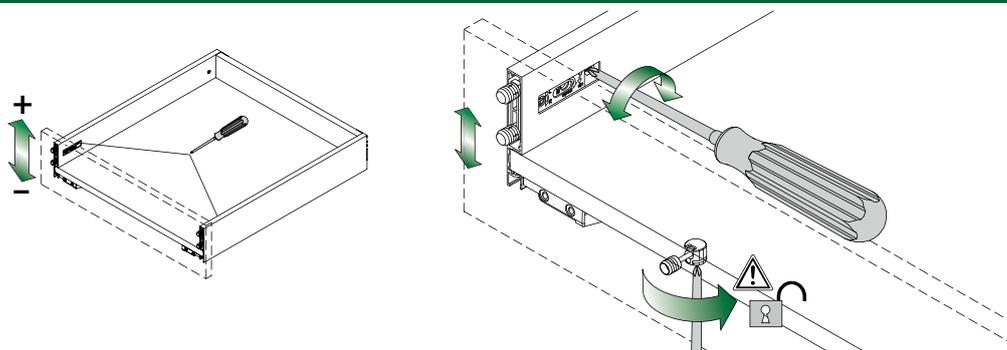
Removing the front panel

Use Pozidriv No. 2 screw driver to release.



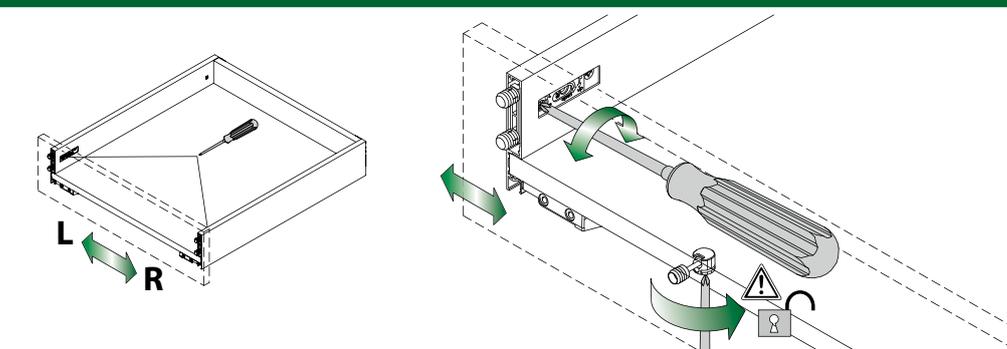
ADJUSTMENTS

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

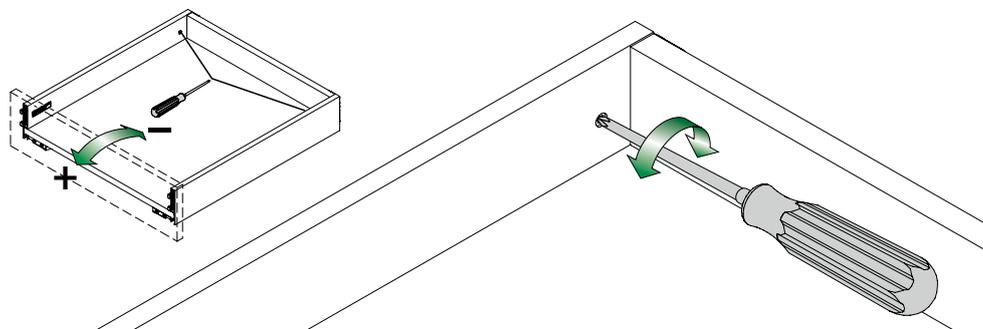


Side adjustment (± 1.5 mm)

Adjust both sides.



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



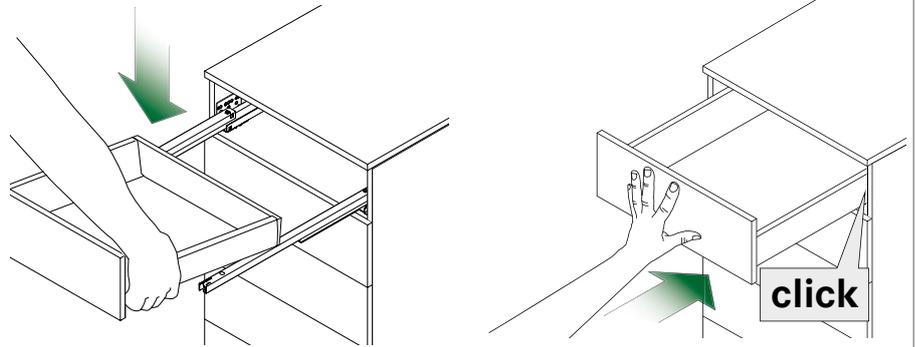
VIONARO

Technical information H185

MOUNTING/DISMOUNTING

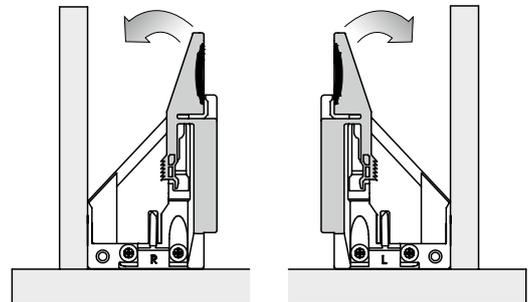
Inserting the drawer

Place the drawer on the extended slides.
Push the drawer fully home.
Drawer engages automatically!



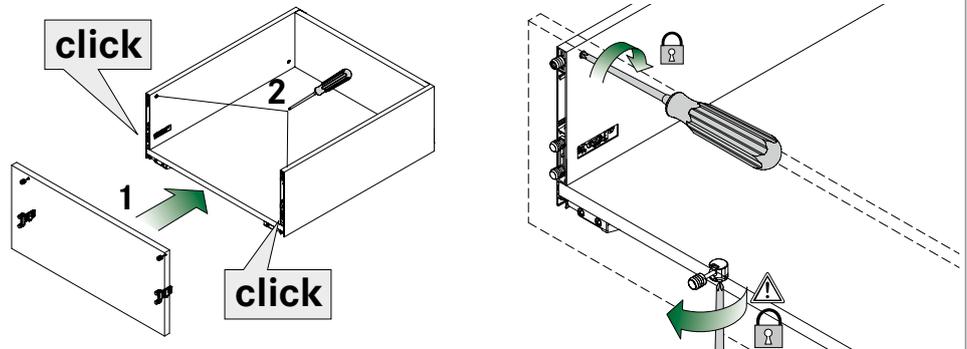
Removing the drawer

Pull the drawer out, move the lever of the locking device and lift the drawer from the slides.



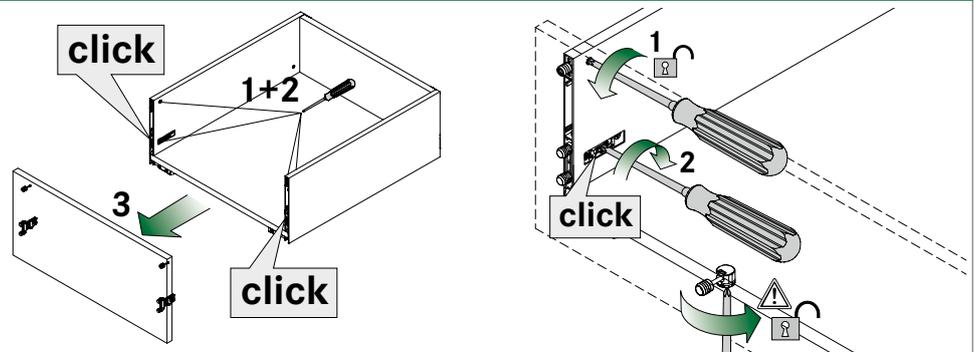
Front panel installation

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



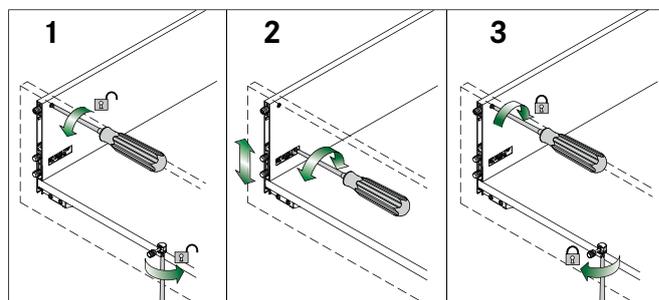
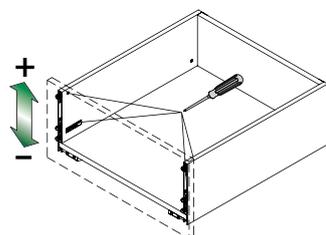
Removing the front panel

Use Pozidriv No. 2 screw driver to release.



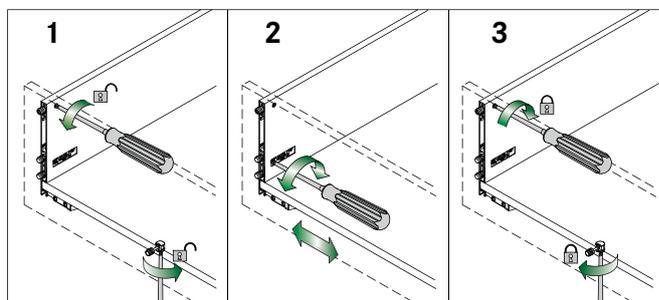
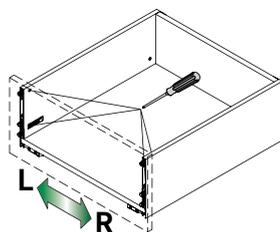
ADJUSTMENTS

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

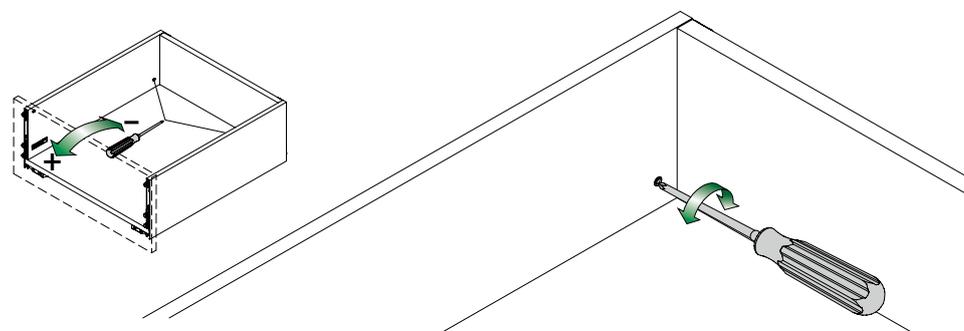


Side adjustment (± 1.5 mm)

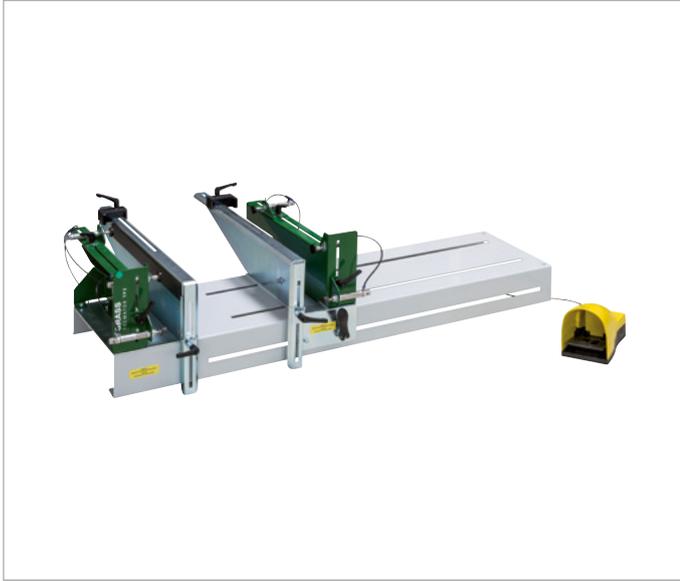
Adjust both sides.



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



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

Vionaro drawer system	9

FRONT DRILLING JIG



Front drilling jig for Vionaro front holder and front stabiliser.

	Item No.
	F146100562

MARKING JIG



For exact marking of the drilled 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
- 2 marking jigs for front stabiliser H185

	Item No.
H63	F146101010
H89/H121/H185	F146100545

PUNCHING TOOL



Punching tool for Vionaro front stabiliser.

	Item No.
	F146116216

PUNCHING TOOL



Punching tool for Vionaro bottom spike.

	Item No.
	F146116217

Vionaro drawer system	9



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.

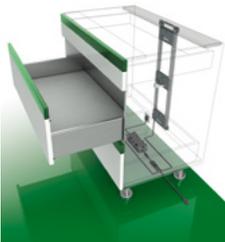
For a balance between stylish design and functional comfort.

Product designation	Page
Sensomatic single set	38
Standard cabinet with horizontal wooden stretcher	40
Standard cabinet with vertical wooden stretcher	42
Single drawer with overhead frame set mounting	44
Single drawer with back panel frame set mounting	46
Installation instructions	48

VIONARO SENSOMATIC

Electro-mechanical opening of drawers.

For a balance between stylish design and functional comfort.

	Product description	Page
	<p>Sensomatic single set</p> <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) 	38
	<p>Standard cabinet with horizontal wooden stretcher</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 	40
	<p>Standard cabinet with vertical wooden stretcher</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 	42
	<p>Single drawer with overhead 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 	44

	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 1 200 mm • Large trigger range 	46

VIONARO SENSOMATIC

Single set

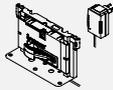


- Electro-mechanical opening system
- Combines handle-free opening with Soft-close damping system
- 1 drive unit for all weight classes
- Easy to fit
- Simple plug and play wiring
- Small additional installation depth
- Single sets include all components necessary for installation
- Ideal for heavy pot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

- **Note:**
Other country-specific sets available on request

ORDER INFORMATION

Sensomatic single set



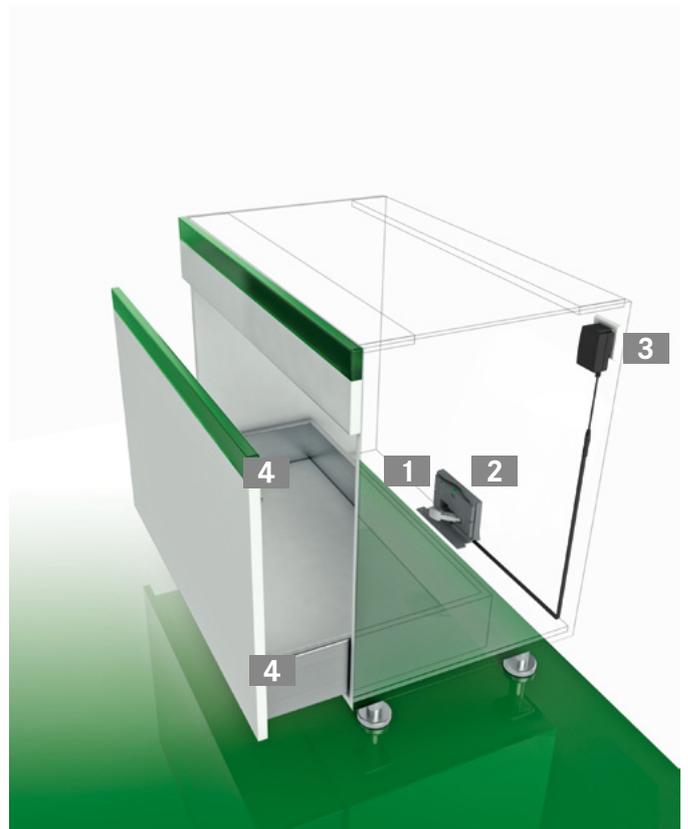
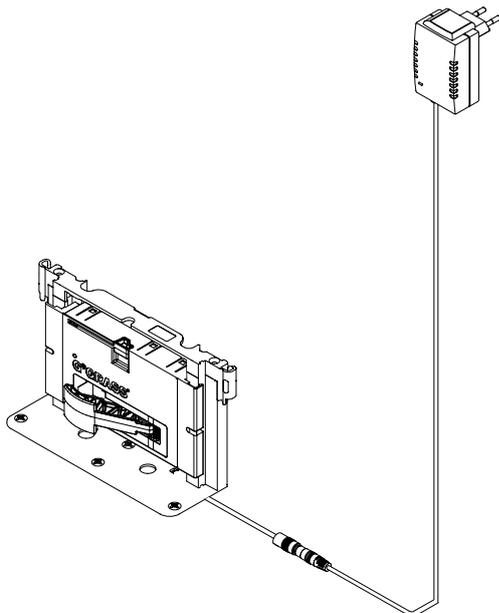
Item No.

for Dynapro

F121101208

1 set includes:

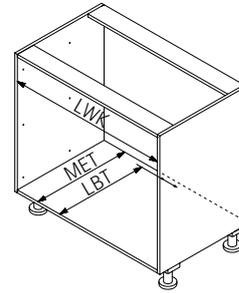
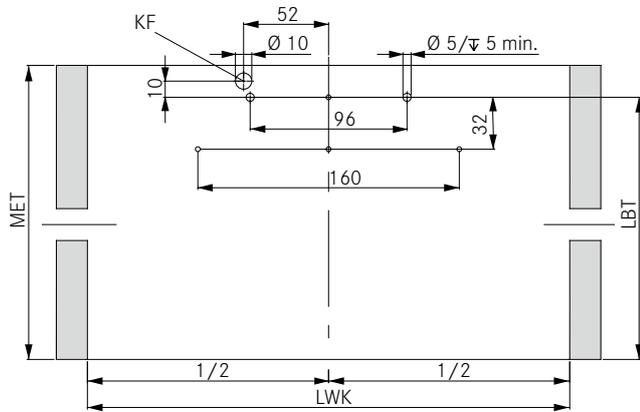
- 1 drive unit (1x)
- 2 installation set (1x)
- 3 power supply unit with plug (1x)
(Central Europe, DE, FR, IT, CH, ES, RU, PT, NL)
- 4 spring-loaded front buffers (4x)
drilling and installation instructions (1x)



Vionaro drawer system	9
Dynapro Soft-close	22

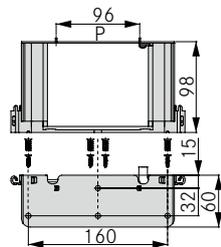
PLANNING DIMENSIONS

Installation dimensions

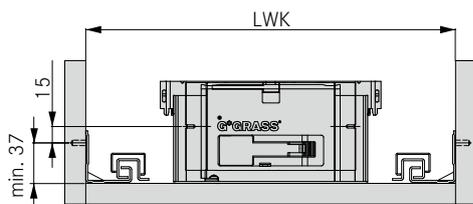


RW	min. LWT	MET	LBT
Wood	273	NL+15	NL

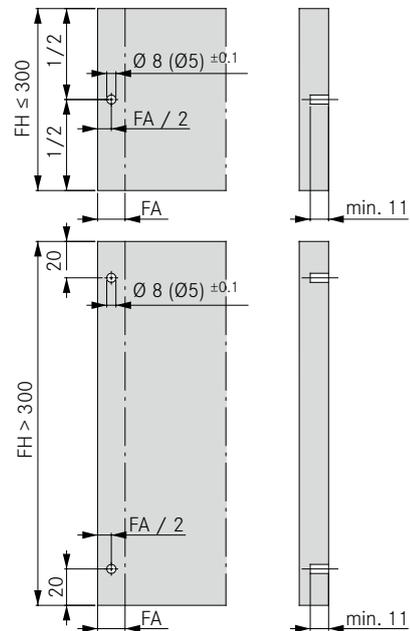
Frame set



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

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

RW Back panel

VIONARO SENSOMATIC

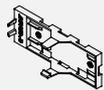
Standard cabinet with horizontal wooden stretcher

ORDER INFORMATION

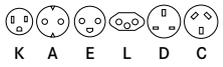
1 Drive unit	
for Dynapro	Item No. F121101196

3 Fixing set consisting of: items 3a (2x) and 3b (2x)	
	Item No. F121100610

3b Fixing brackets, top/bottom	
	Item No. F121100270

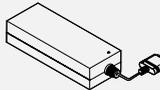
5 Power supply unit holder	
	Item No. F121100604

7 Connection cable with 2-way adapter	
Length	Item No.
600	F121100288
1000	F121100289
2000	F121100291

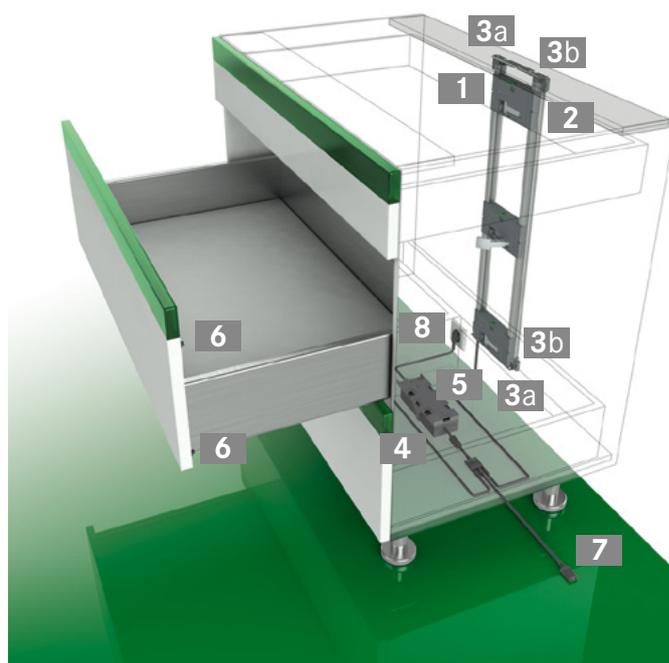
8 Power supply cable	
	
Plug	Item No.
Power supply cable K (USA, CAN)	F120069760
Power supply cable K (JP)	F120072445
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761
Power supply cable E (DK)	F120069763
Power supply cable L (CH)	F120069765
Power supply cable D (UK, AE, MY)	F120069766
Power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

2 Frame sides including frame side cable	
Length	Item No.
653	F121100284
750	F121100285
1170	F121100286

3a Frame connector	
	Item No. F121100282

4 Power supply unit	
	Item No. F121100269

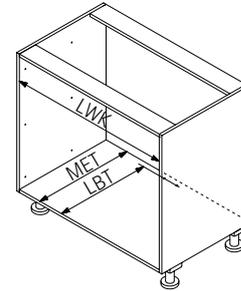
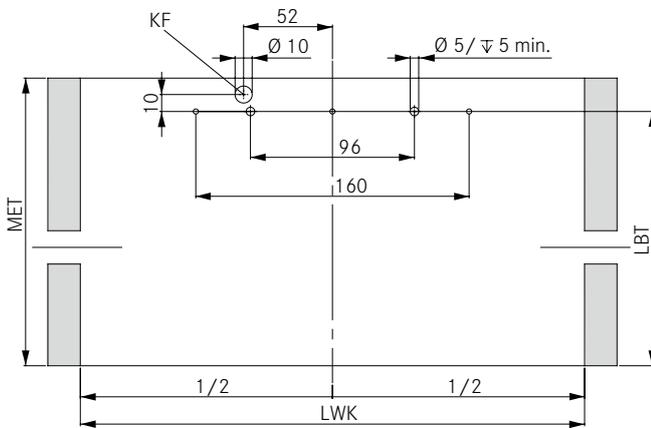
6 Front buffer, spring-loaded		
Ø	Front gap	Item No.
5	2.2	F121100294
	3	F121100295
8	2.2	F121100297
	3	F121100298



Vionaro drawer system	9
Dynapro Soft-close	22

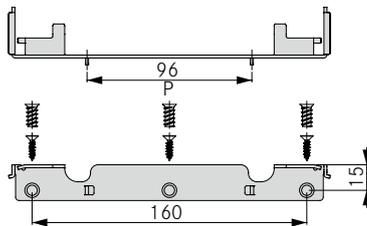
PLANNING DIMENSIONS

Installation dimensions

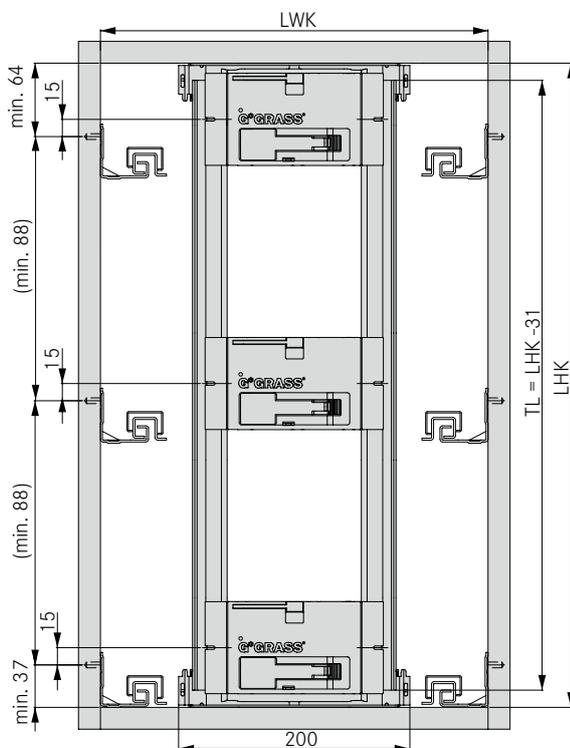


RW	min. LWK	MET	LBT
Wood	273	NL+15	NL

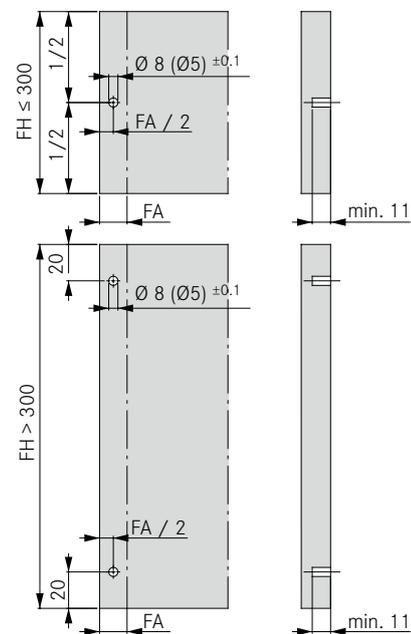
Fixing brackets, top/bottom



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 SENSOMATIC

Standard cabinet with vertical wooden stretcher

ORDER INFORMATION

1 Drive unit	
	Item No.
for Dynapro	F121101196

3 Frame connector	
	Item No.
	F121100282

5 Fixing bracket, back, inside mounted	
	Item No.
	F121100275

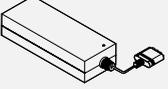
7 Power supply unit holder	
	Item No.
	F121100604

9 Connection cable with 2-way adapter		
	Length	Item No.
	600	F121100288
	1000	F121100289
	2000	F121100291

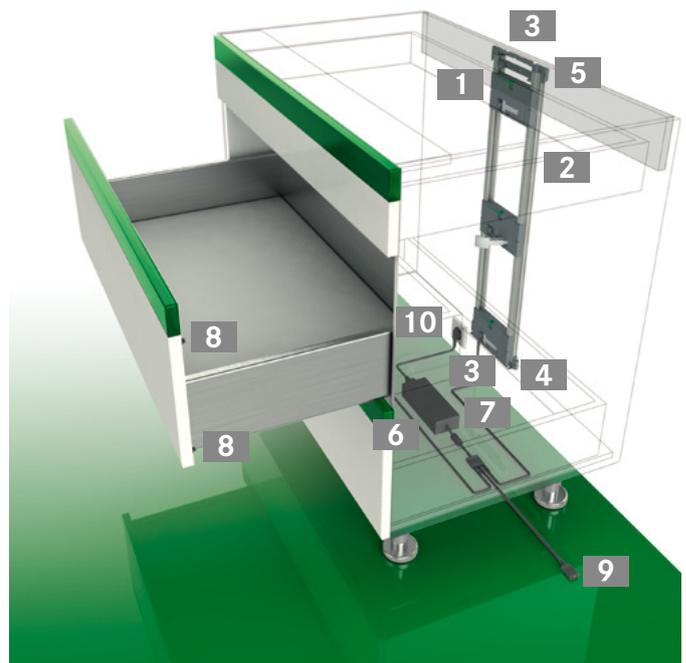
10 Power supply cable	 
	Item No.
Power supply cable K (USA, CAN)	F120069760
Power supply cable K (JP)	F120072445
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761
Power supply cable E (DK)	F120069763
Power supply cable L (CH)	F120069765
Power supply cable D (UK, AE, MY)	F120069766
Power supply cable C (AU, NZ)	F120078669
Without plug	F120069767

2 Frame sides including frame side cable		
	Length	Item No.
	653	F121100284
	750	F121100285
	1170	F121100286

4 Fixing brackets top/bottom	
	Item No.
	F121100270

6 Power supply unit	
	Item No.
	F121100269

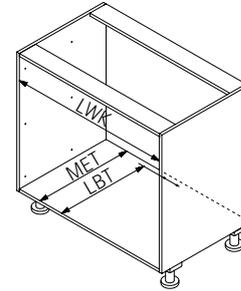
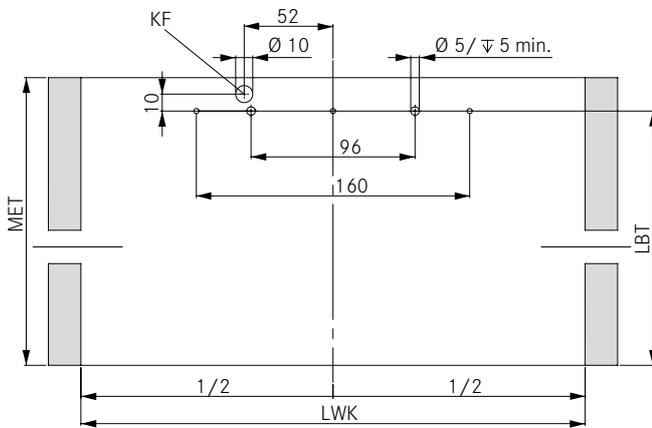
8 Front buffer, spring-loaded			
	Ø	Front gap	Item No.
	5	2.2	F121100294
		3	F121100295
	8	2.2	F121100297
		3	F121100298



Vionaro drawer system	9
Dynapro Soft-close	22

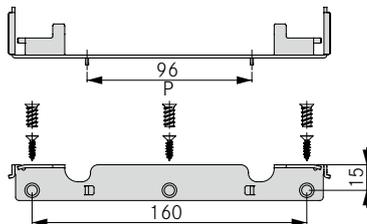
PLANNING DIMENSIONS

Installation dimensions

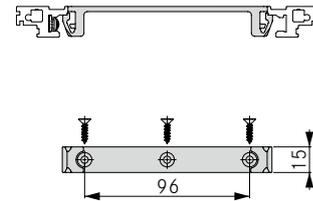


RW	min. LWB	MET	LBT
Wood	273	NL+15	NL

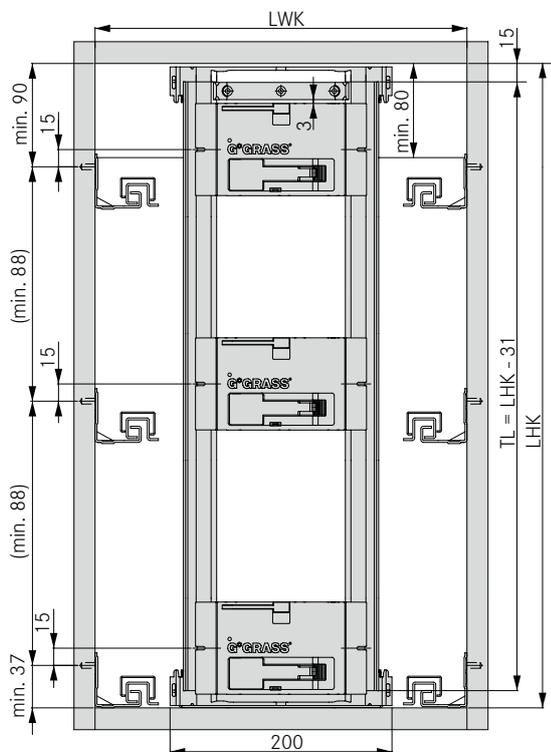
Fixing bracket, top/bottom



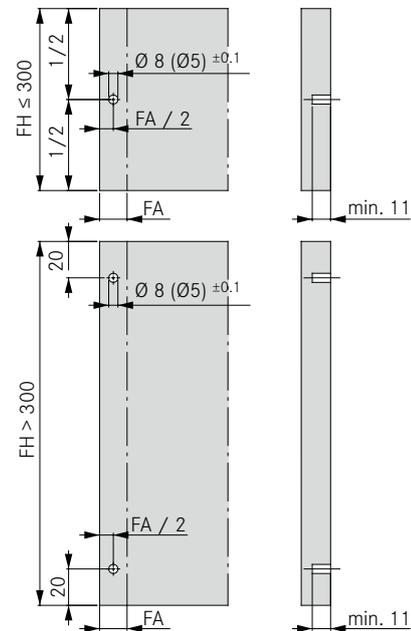
Fixing bracket, back, inside mounted



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
LWB Inside cabinet width
MET Minimum installation depth
NL Nominal length

P Positioning aid
RW Back panel
TL Length of frame side

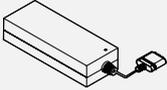
VIONARO SENSOMATIC

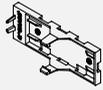
Single drawer with overhead frame set mounting

ORDER INFORMATION

1 Drive unit	
	Item No.
	F121101196

2 Frame set	
	Item No.
	F121100273

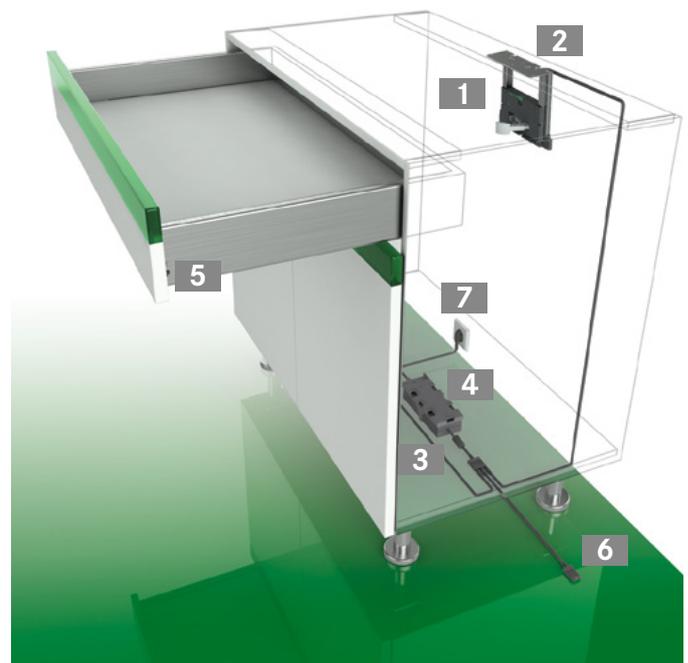
3 Power supply unit	
	Item No.
	F121100269

4 Power supply unit holder	
	Item No.
	F121100604

5 Front buffer, spring-loaded		
Ø	Front gap	Item No.
5	2.2	F121100294
	3	F121100295
8	2.2	F121100297
	3	F121100298

6 Connection cable with 2-way adapter	
Length	Item No.
600	F121100288
1000	F121100289
2000	F121100291

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	22

PLANNING DIMENSIONS

Installation dimensions

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

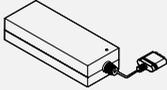
1 Drive unit	
	Item No. F121101196

3 Frame connector	
	Item No. F121100282

5 Power supply unit holder	
	Item No. F121100604

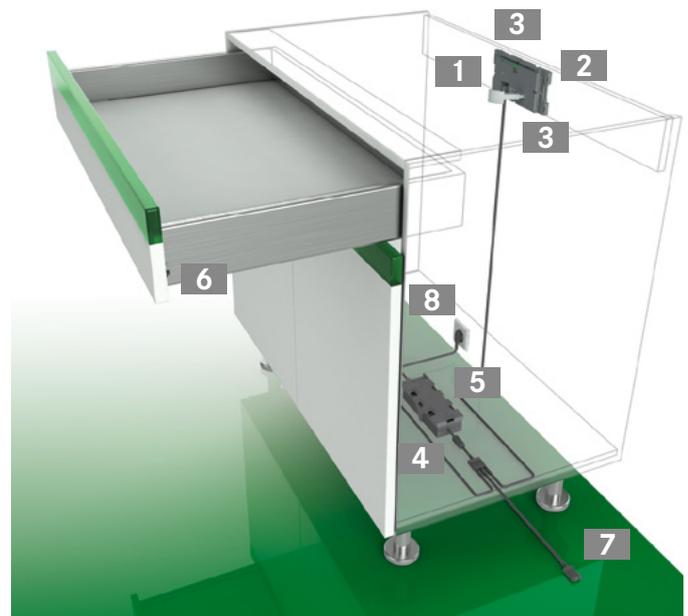
7 Connection cable with 2-way adapter	
	Item No.
Length	Item No.
600	F121100288
1000	F121100289
2000	F121100291

2 Frame sides for back panel frame set mounting including hole drilling	
	Item No. F121100283

4 Power supply unit	
	Item No. F121100269

6 Front buffer, spring-loaded		
	Item No.	
Ø	Front gap	Item No.
5	2.2	F121100294
	3	F121100295
8	2.2	F121100297
	3	F121100298

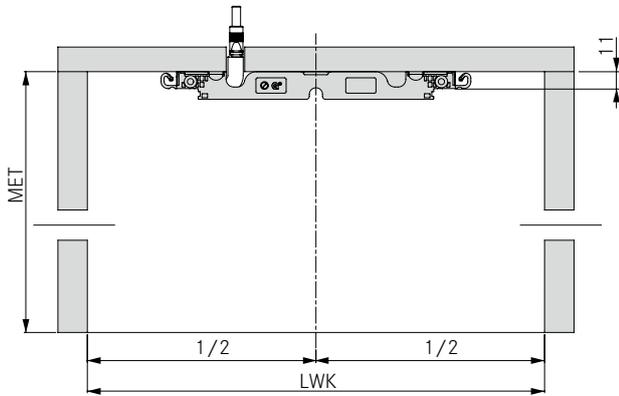
8 Power supply cable		
	K A E L D C	
Plug	Item No.	
Power supply cable K (USA, CAN)	F120069760	
Power supply cable K (JP)	F120072445	
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761	
Power supply cable E (DK)	F120069763	
Power supply cable L (CH)	F120069765	
Power supply cable D (UK, AE,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



Vionaro drawer system	9
Dynapro Soft-close	22

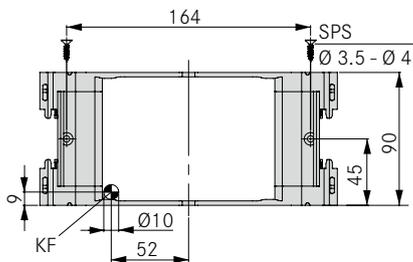
PLANNING DIMENSIONS

Installation dimensions

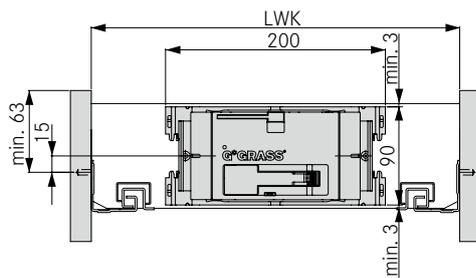


RW	min. LWK	MET
Wood	273	NL+15

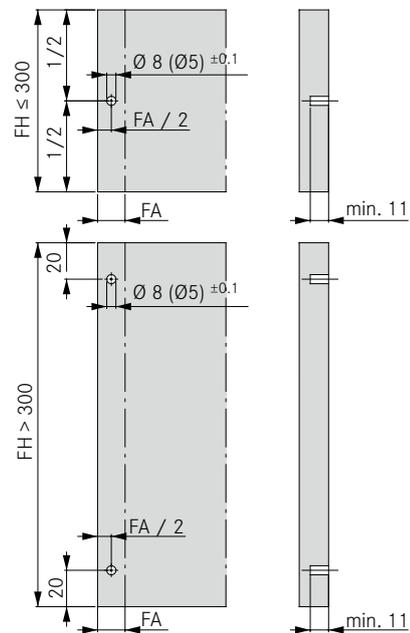
Frame sides



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

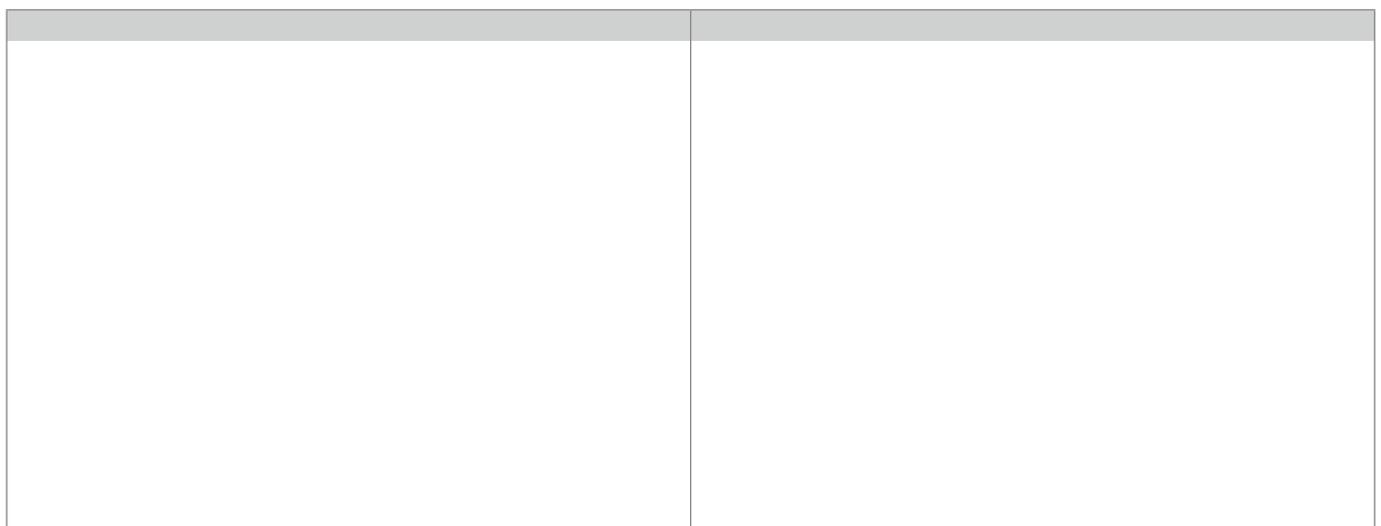
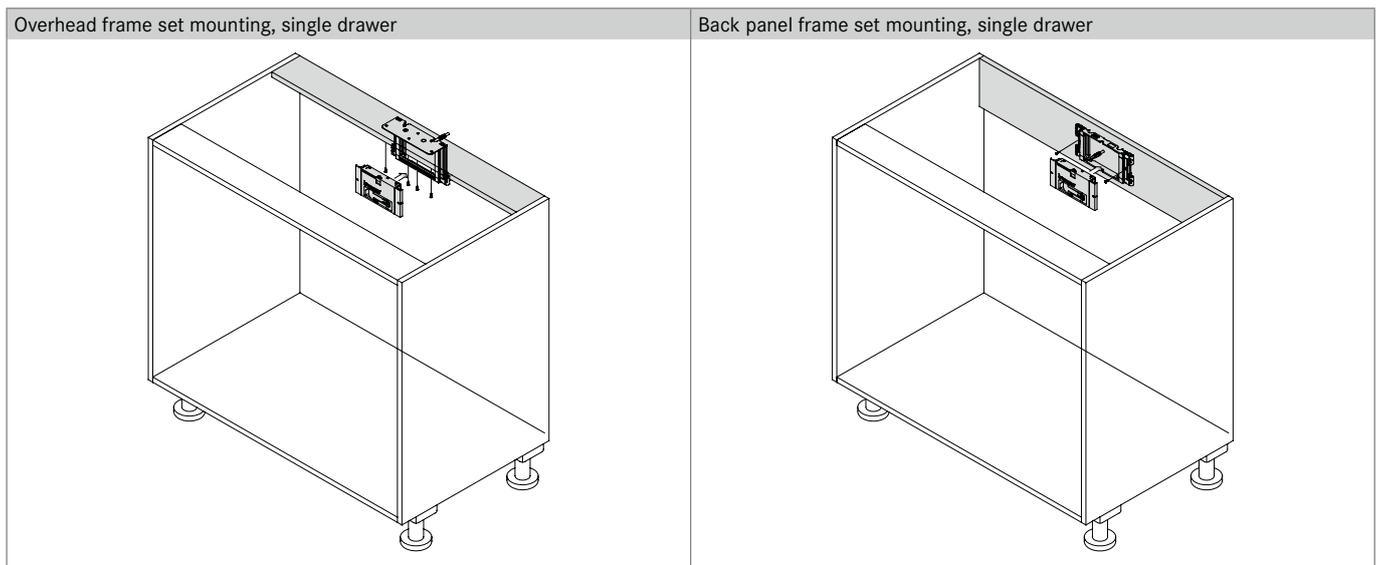
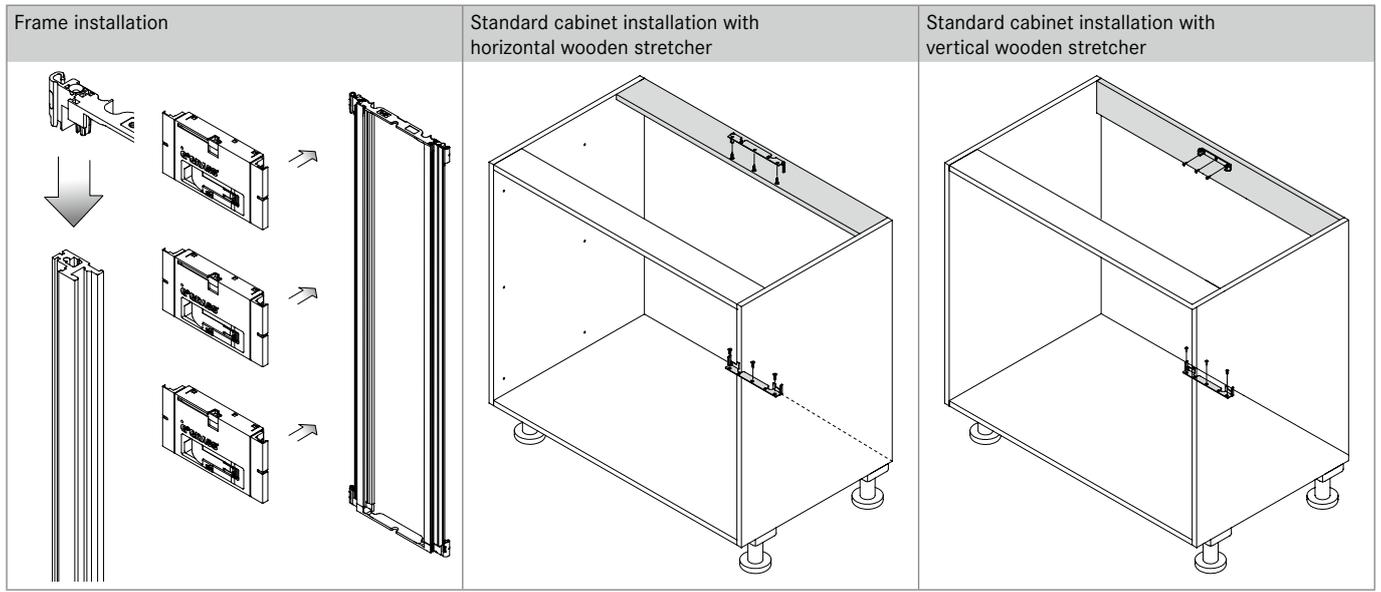
FA Front overlay
FH Height of front
KF Cable routing
LWK Inside cabinet width

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

VIONARO SENSOMATIC

Installation instructions

INSTALLATION INSTRUCTIONS

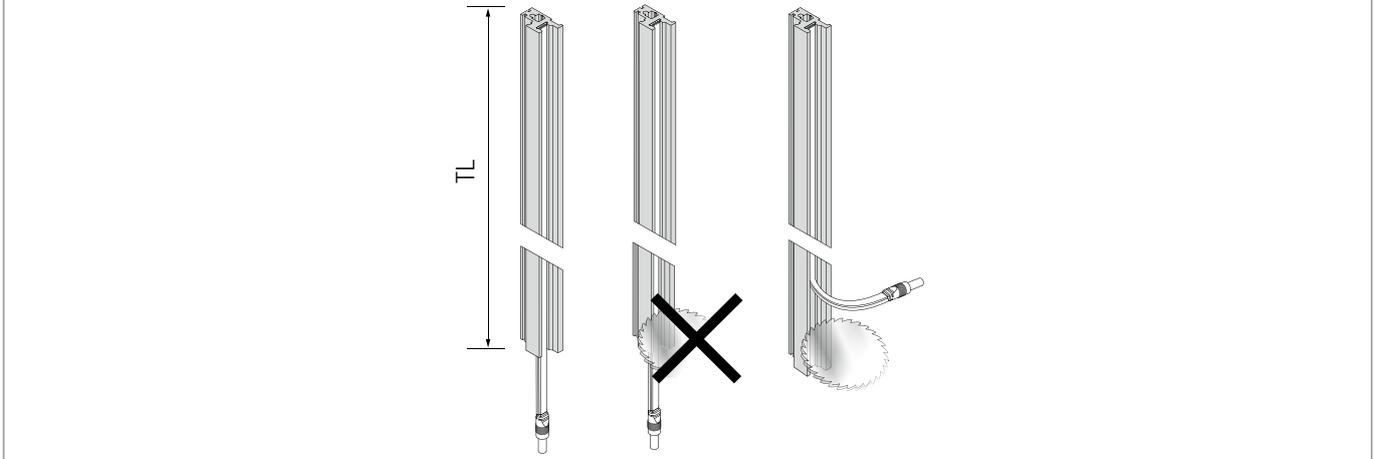


Horizontal wooden stretcher	40
Vertical wooden stretcher	42

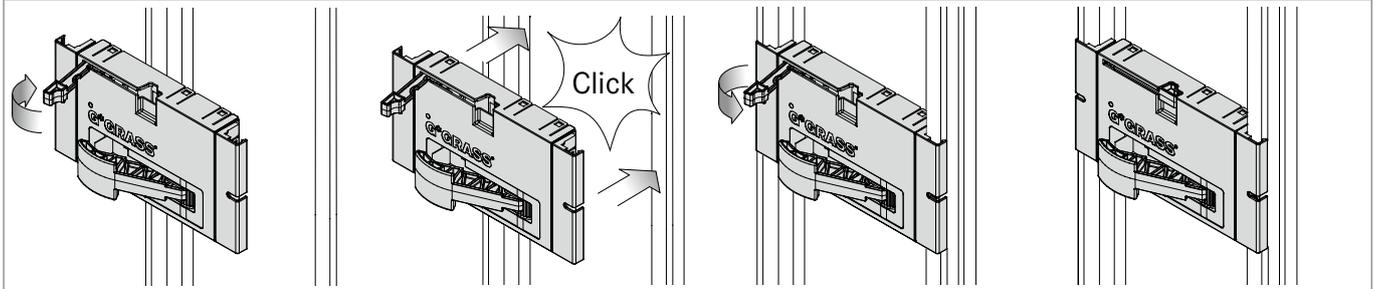
Overhead frame set mounting	44
Back panel frame set mounting	46

INSTALLATION INSTRUCTIONS

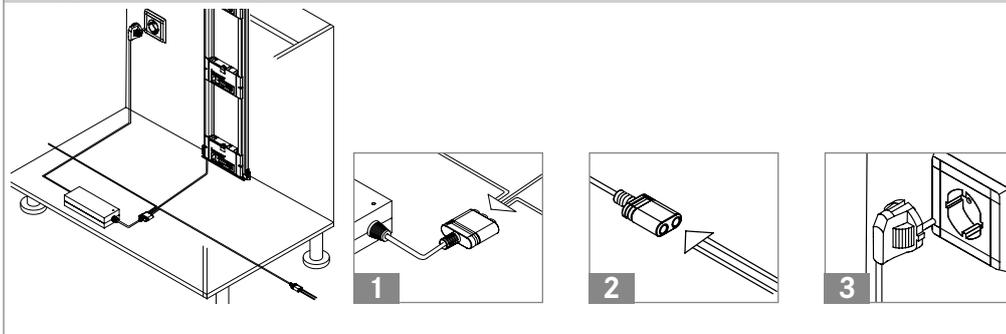
Cutting frame element to length (horizontal and vertical wooden stretchers)



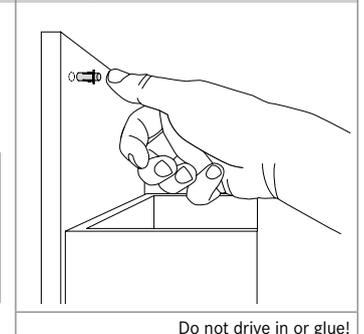
Installation of drive unit



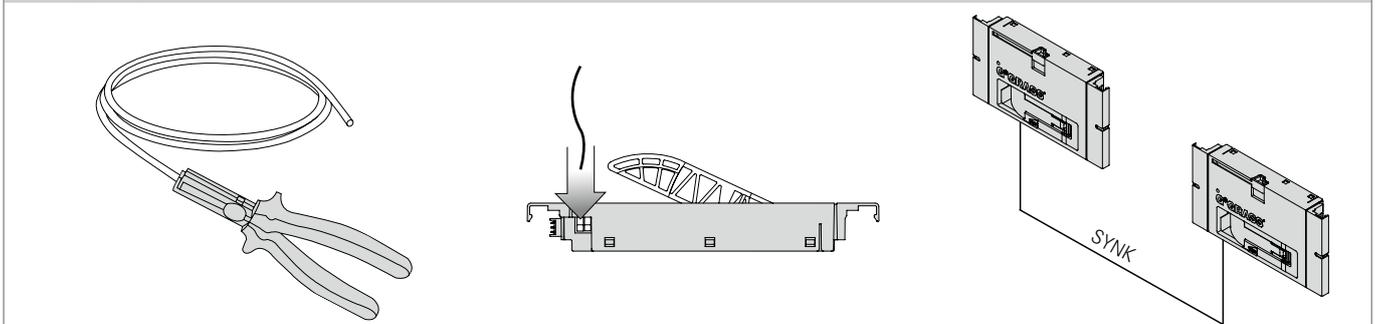
Wiring (connection sequence)



Inserting front buffer



Installing the synchronisation cable



LEGEND

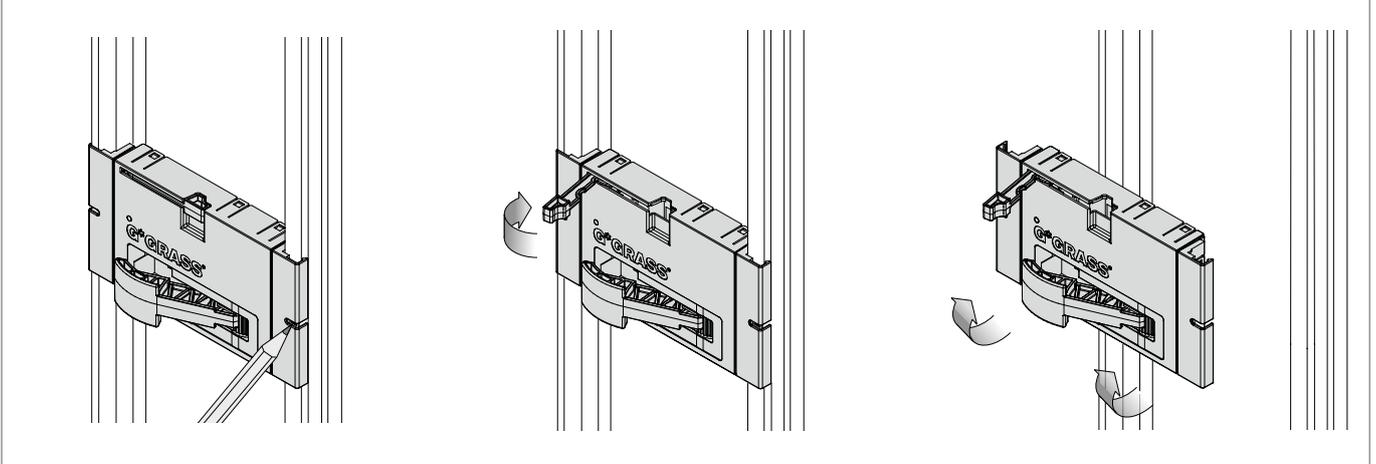
SYNK Synchronisation cable
TL Length of frame side

VIONARO SENSOMATIC

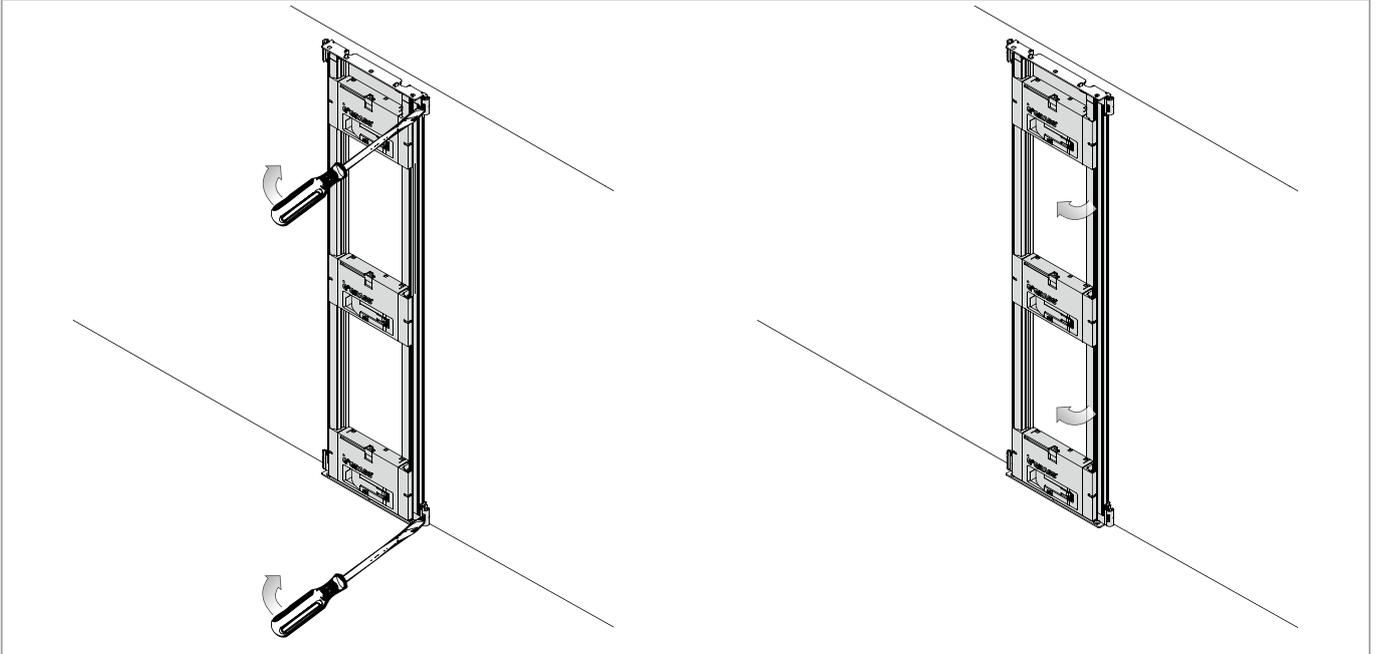
Dismantling instructions

DISMOUNTING

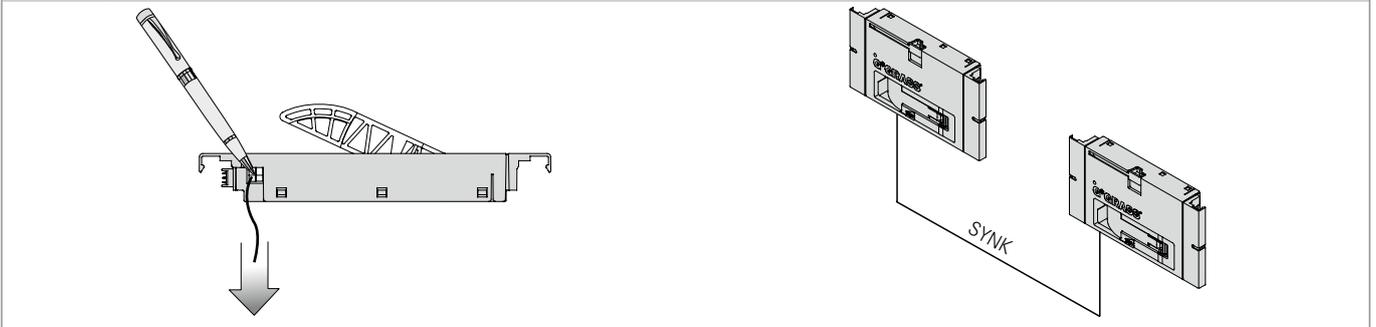
Dismantling the drive unit



Dismantling the frame sides



Dismantling the synchronisation cable

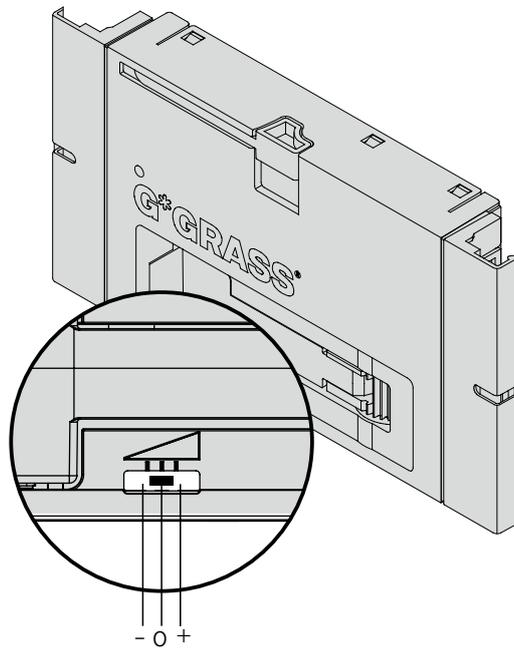


Horizontal wooden stretcher	40
Vertical wooden stretcher	42

Overhead frame set mounting	44
Back panel frame set mounting	46

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

ITEM NO. INDEX

F article no. / Article no., old

F Article no.	Article no., old	PU	Page
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F136100312517	-	50	18
F136100313517	-	50	18
F136100314517	-	50	18

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F article no. / Article no., old

F Article no.	Article no., old	PU	Page
F136100315517	-	50	18
F136100318517	-	50	20
F136100319517	-	50	20
F136100320517	-	50	20
F136101003517	-	50	10
F136101004517	-	50	10
F136101005517	-	50	10
F136118058239	-	400	14
F136118059239	-	400	14
F136118060239	-	400	14
F136120395507	-	10	14
F136120420507	-	10	20
F136120538507	-	10	14
F136120539507	-	10	20
F136120569507	-	10	14
F136120589507	-	10	20
F136122619507	-	10	14
F136122669507	-	10	20

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F146100545513	-	25	33
F146100562201	-	1	33
F146101010513	-	25	33
F146116212299	-	1	32
F146116216299	-	1	33
F146116217299	-	1	33

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LEGEND

PU code	Quantity (units, pair, set)
107	10
201	1
204	5
207	10
211	20
223	100
239	400
299	1
507	10
513	25
517	50
607	10

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Article no., old	F Article no.	PU	Page
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69760-04	F120069760207	10	40
69761-04	F120069761207	10	40
69763-04	F120069763207	10	40
69765-04	F120069765207	10	40
69766-04	F120069766207	10	40
69767-04	F120069767207	10	40

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72445-04	F120072445207	10	40
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78669-04	F120078669207	10	40
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LEGEND

PU code	Quantity (units, pair, set)
107	10
207	10



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