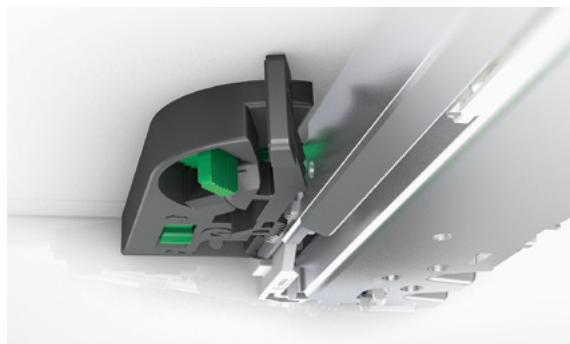




**G\*GRASS®**

## SLIDE SYSTEMS

Optimum movement for all drawers - either as invisible concealed slides for maximum comfort or as track-proven roller slides.

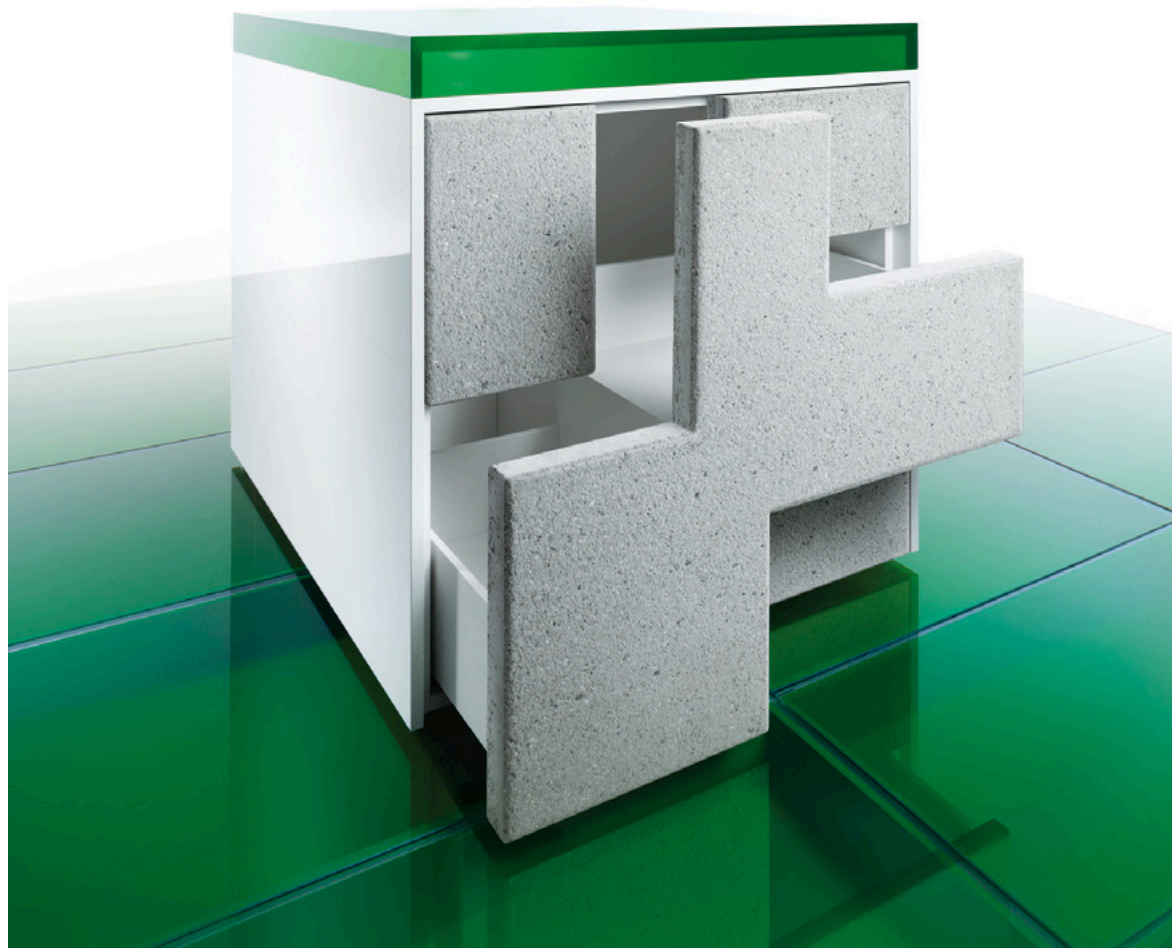
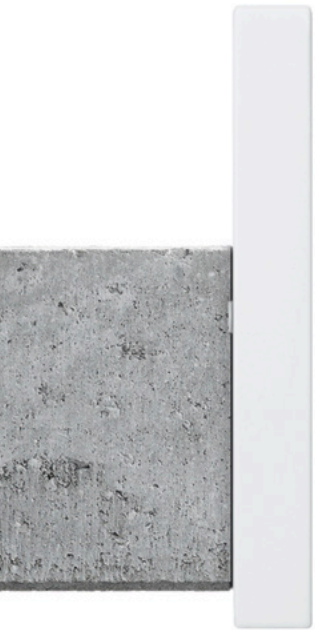




Concealed functionality  
for the utmost individuality  
in drawer design.







## DYNAPRO SLIDE SYSTEM



reddot design award  
winner 2010

**High load capacity. Synchronised movement.  
4D adjustment. The multitude of special qualities makes  
Dynapro a unique movement system for individualists.**

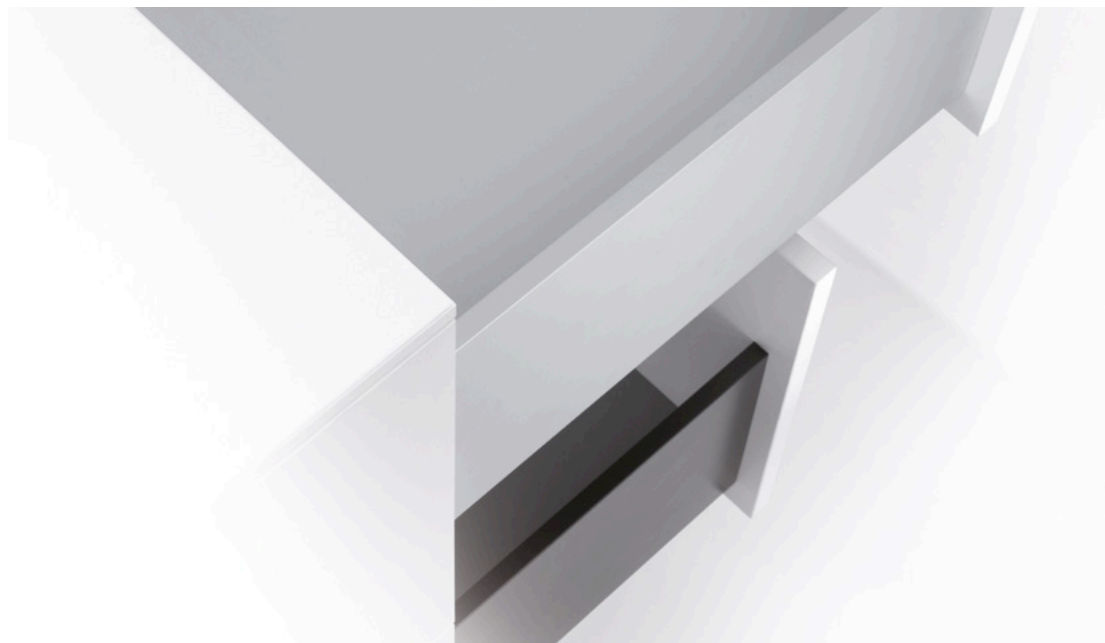
If you prefer unusual design and expect a concealed drawer slide to offer excellent running performance, high stability, precision and exceptional operating comfort – then Dynapro is exactly right for you. Handle-free surfaces, high fronts, wide drawers or unusual materials – the slide system for full-extension drawers offers unlimited design options.



**Dynapro** – the powerful precision slide for absolute design freedom.

**The perfect combination:  
Vionaro drawer system**

Dynapro – the slide that offers greater modularity. This concealed slide system serves as a basis for wooden drawers as well as for the GRASS Vionaro drawer system. The minimalist drawer sides in aluminium or steel add elegant visual design to the Dynapro slide technology.

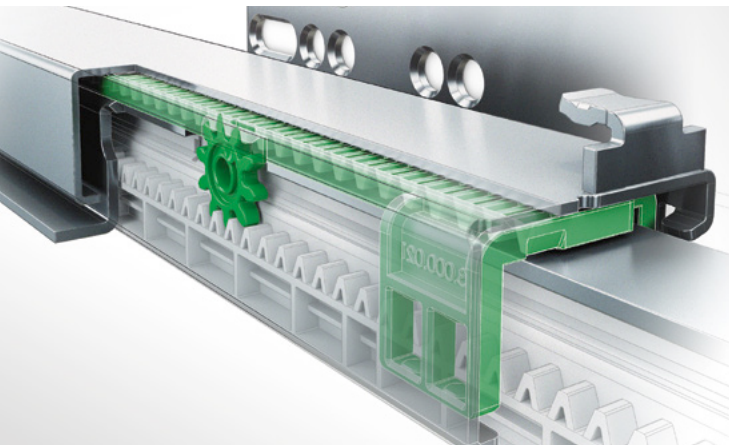




## DYNAPRO SLIDE SYSTEM

Whether you are dealing with wood, aluminium, glass, natural stone or concrete – let Dynapro provide the inspiration for new ideas.

Innovating means adopting new approaches. That applies just as much to the creation of new furniture designs as it does to the development of new movement systems. The more offbeat the idea, the more vital it becomes to have intelligent function characteristics. To cater for even the most exceptional requirements, GRASS has developed a completely new slide system that combines concealed functionality and outstanding running performance. For furniture designers, this opens up entirely new perspectives.



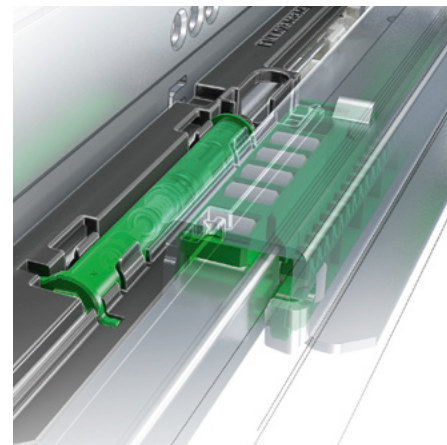
### Synchronisation for excellent running characteristics.

Unlike conventional concealed slide systems, Dynapro is the only fitting worldwide that features a synchronisation mechanism. Even under high load, the excellent running performance of Dynapro remains unchanged. Load forces of up to 70 kg present no problem for the system. Abrasion-resistant plastic rollers ensure a smooth, even glide every time.



### Four dimensions for perfect alignment.

Dynapro offers integrated height adjustment, side adjustment, tilt angle adjustment and depth adjustment. All adjustments are tool-free, readily accessible and easy to handle. In short, it takes just a few tweaks to achieve optimal alignment.



### Four options for the utmost in operating comfort.

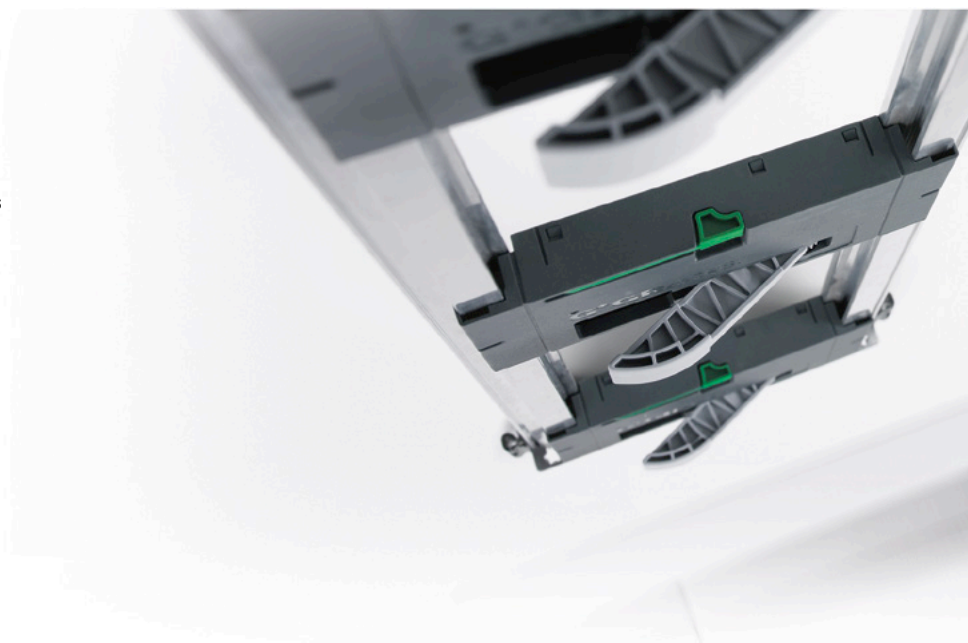
Soft-close, the successful damping system, closes Dynapro drawers gently and quietly. With Tipmatic, the mechanical opening system, it is possible to operate large handle-free fronts which will open with a gentle tap. The new Tipmatic Soft-close opening system combines the advantages of mechanical opening with the comfort of the track-proven Soft-close damping. In addition, GRASS is rounding off its range with Sensomatic - the electronically supported opening system.



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

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

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





#### TIPMATIC SOFT-CLOSE OPENING SYSTEM

The new Tipmatic Soft-close opening system combines the advantages of a mechanical system with the comfort of the tried-and-tested Soft-close damper and, with the 3-way adjustable ejection force, ensures elegant movement, irrespective of the weight and size of the furniture fronts.

#### TIPMATIC OPENING SYSTEM

Mechanical opening of regular and pot drawers.

Tipmatic offers optimal design options for beautiful and elegant furniture. Thanks to the touch-activated mechanics and the synchronisation option, it is possible to open large, handle-free fronts with just a light touch.



#### SOFT-CLOSE DAMPING SYSTEM

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

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

#### SENSOMATIC OPENING SYSTEM

Electro-mechanical opening of drawers for maximum operating comfort.

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







## GRASS SLIDE SYSTEMS

Concealed functionality for the utmost individuality.

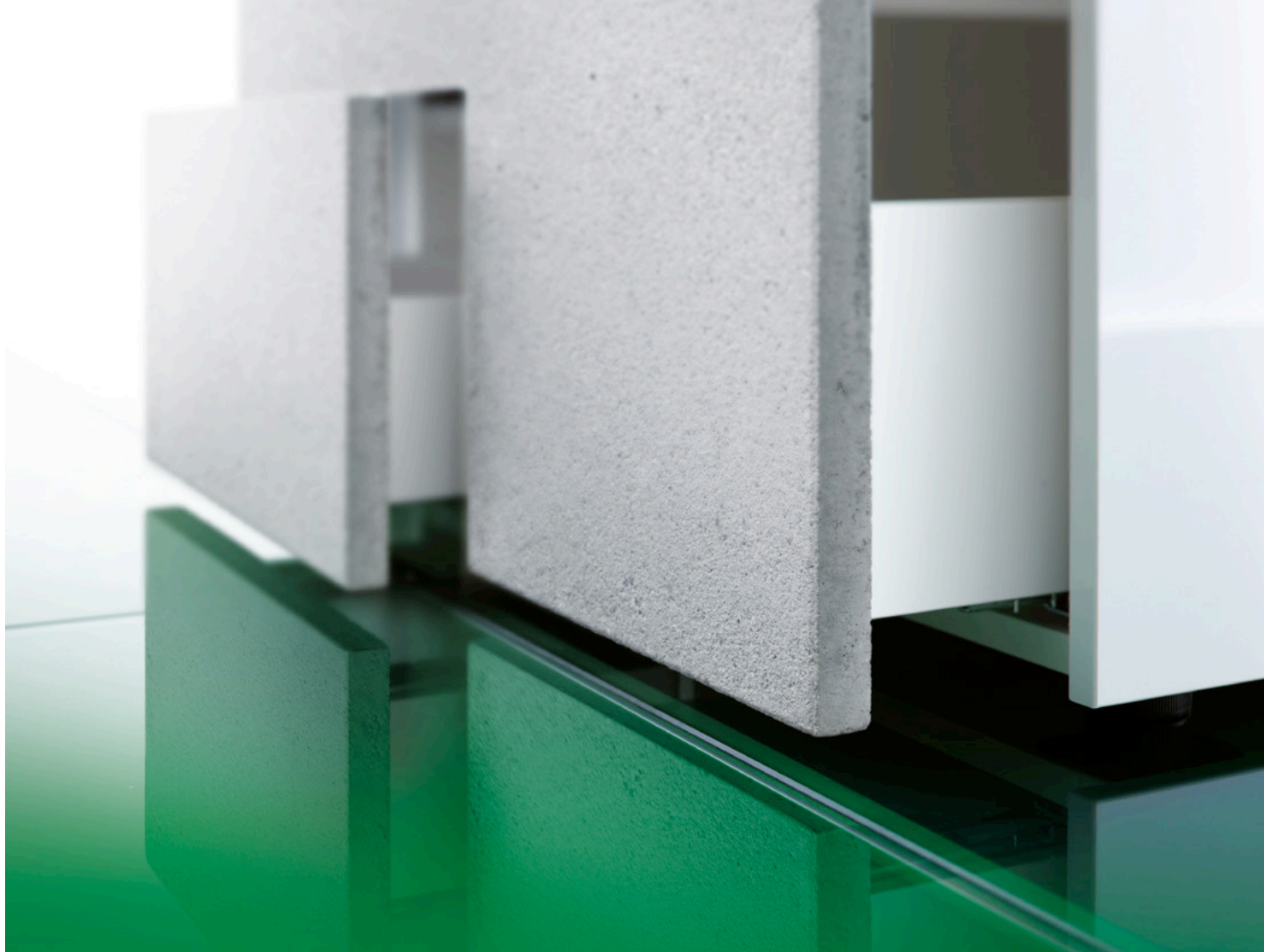
CHARACTERISTICS	DYNAPRO	DYNAMOOV
30 kg load capacity	-	■
40 kg load capacity	■	-
70 kg load capacity	■	-
Full extension drawer for optimal access	■	■
Synchronisation without mid-way knock	■	■
Height adjustment	■	■
Side adjustment	■	-
Tilt angle adjustment	■	-
Depth adjustment	■	■
<b>Soft-close</b> damping system	■	■
<b>Self-close</b> closing system	-	■
<b>Tipmatic</b> Opening system	-	■
<b>Tipmatic</b> Opening system with optional synchronisation	■	-
<b>Tipmatic Soft-close</b> Opening system	■	-
<b>Sensomatic</b> opening system	■	-

# SLIDE SYSTEMS

Concealed slide systems for all applications.

Elegant, convenient, concealed and extremely effective.

	<b>DYNAPRO SLIDE SYSTEM</b>  Synchronised full extension slide with four-dimensional adjustment for 40 kg and 70 kg load capacities. Slide-on mounting.	<b>11</b>
	<b>DYNAPRO TIPMATIC SOFT-CLOSE</b>  Mechanical opening system for handle-free fronts.	<b>14</b>
	<b>DYNAPRO SENSOMATIC</b>  Electromechanical opening system for regular and pot drawers.	<b>27</b>
	<b>DYNAMOOV SLIDE SYSTEM</b>  Synchronised full extension slide with integrated height adjustment and 30 kg load capacity. Slide-on mounting.	<b>49</b>
	<b>ROLLER SLIDES</b>  Sturdy single and full extension drawer slides of tried-and-tested quality.	<b>63</b>



#### DYNAPRO SLIDE SYSTEM

The multitude of special qualities makes Dynapro a unique movement system for individualists.

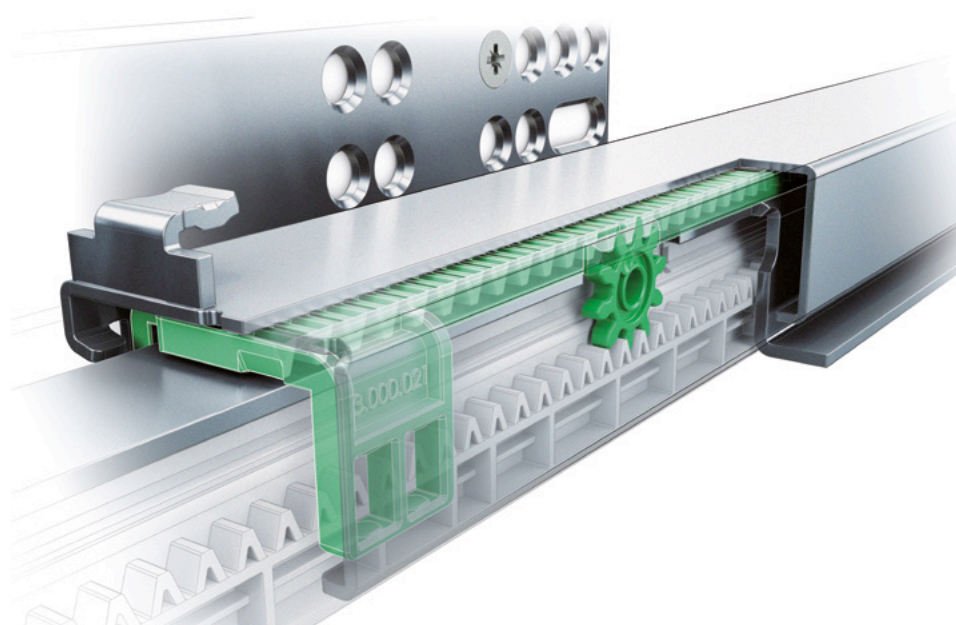
QUALITY CERTIFICATE



Excellent running characteristics, synchronised movement, 4D adjustment for perfectly aligned gaps and high load capacity are only some of the special features for which the million-fold tried-and-tested slide system received the Red Dot Design Award.



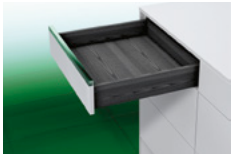
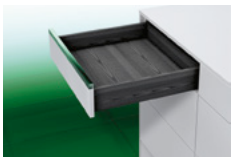

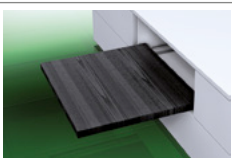
reddot design award  
winner 2010





# DYNAPRO SLIDE SYSTEM

A new slide generation for wooden drawers.  
The powerful precision slide for absolute design freedom.

	Product description	Page
	<b>Dynapro full extension slide 40/70 kg Soft-close</b> <ul style="list-style-type: none"> <li>• Soft-close damping system</li> <li>• 4-dimensional adjustment (side, height, tilt angle and depth adjustment)</li> </ul>	12
	<b>Dynapro full extension slide 40/70 kg Tipmatic Soft-close</b> <ul style="list-style-type: none"> <li>• Tipmatic Soft-close opening system</li> <li>• 4-dimensional adjustment (side, height, tilt angle and depth adjustment)</li> </ul>	14
	<b>Dynapro full extension slide 40/60 kg Tipmatic</b> <ul style="list-style-type: none"> <li>• Tipmatic opening system</li> <li>• 4-dimensional adjustment (side, height, tilt angle and depth adjustment)</li> </ul>	16
	<b>Dynapro for base panel mounting and pull-out shelf</b> <ul style="list-style-type: none"> <li>• Installation on the cabinet base or additional base panel</li> <li>• Shelf holder set</li> </ul>	18
	<b>Technical information</b>	20
	<b>Assembly aids</b>	24

# DYNAPRO SOFT-CLOSE

Full extension slide 40/70 kg



- Excellent running characteristics
- Fully synchronised slide technology
- Soft-close damping system
- Utmost lateral stability
- Minimum drawer deflection
- Stepless self-locking of the drawer when placed on the slide
- Tool-free 4D adjustment facility:
  - Height adjustment +3.5 mm
  - Side adjustment  $\pm 1.5$  mm
  - Tilt angle adjustment +4 mm
  - Depth adjustment +3.5 mm

## Packaging unit (PU):

204 = 5 units in a cardboard box  
 208 = 12 units in a cardboard box  
 210 = 15 units in a cardboard box  
 211 = 20 units in a cardboard box  
 233 = 200 units in a cardboard box  
 517 = 50 units in PE in a cardboard box  
 533 = 200 units in PE in a cardboard box

## ORDER INFORMATION

1 Dynapro full extension slide Soft-close Set: One left, one right						
NL	40 kg			70 kg		
	Art.-no.	PU		Art.-no.	PU	
250	F130107790	204	211	-		
270	F130107793	204	211	-		
300	F130107796	204	211	-		
320	F130107799	204	211	-		
350	F130107802	204	211	-		
380	F130107805	204	211	-		
400	F130107808	204	211	-		
420	F130107811	204	211	-		
450	F130107814	204	210	F130107832	204	210
480	F130107817	204	210	-		
500	F130107820	204	210	F130107838	204	210
520	F130107823	204	210	F130107841	204	210
550	F130107826	204	210	F130107844	204	210
580	-			F130107847	204	208
600	F130107829	204	208	F130107850	204	208
650	-			F130107853	204	208
700*	-			F130107856	204	208
750*	-			F130107859	204	208

\* Load capacity 50 kg

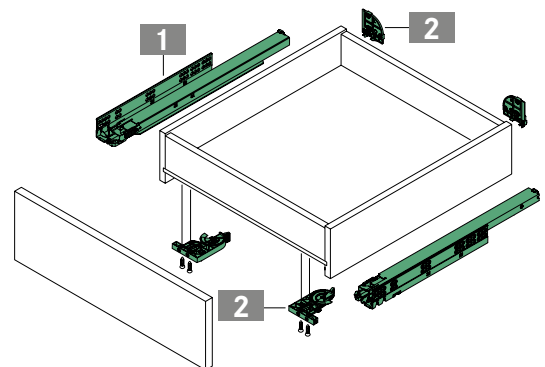
Individual components			
Description	Art.-no.	PU	
Front locking device (1D) Set: One left, one right	F134101220	233	517
Front locking device (2D) Set: One left, one right	F134108949	233	
Front locking device (3D) Set: One left, one right	F134108946	233	
Adjustment adapter (1D) Set: One left, one right	F134108952	233	

Optional: Depth adjustment (1D) for front locking device (2D) Set: One left, one right			
Art.-no.	PU		
F134108957	533		

2a Dynapro 4D set Front locking device (3D) and adjustment adapter (1D), one of each left/right						
Art.-no.	PU					
F134108955	517					

2b Dynapro 3D-Set Front locking device (2D) and adjustment adapter (1D), one of each left/right						
Art.-no.	PU					
F134108956	517					

2c Dynapro 2D set Front locking device (1D) and adjustment adapter (1D), one of each left/right						
Art.-no.	PU					
F134117193	517					



## PAGE REFERENCES

Pull-out shelf	18	Assembly aids	24	Packaging code	75
Technical information	20	Sensomatic	27		

## PLANNING DIMENSIONS

All dimensions in millimetres

Installation dimensions	Drawer	NL	SKL	MET
<p> <math>LWS = (LWK - 42) \begin{smallmatrix} +0 \\ -1.5 \end{smallmatrix}</math>  min. LWS = 138 mm (3D/4D)  145 mm (2D) </p>	<p> <math>SKL = NL - 10 \pm 0.5</math>  <math>MET = NL + 3</math> </p>	250	240	253
		270	260	273
		300	290	303
		320	310	323
		350	340	353
		380	370	383
		400	390	403
		420	410	423
		450	440	453
		480	470	483
		500	490	503
		520	510	523
		550	540	553
		580	570	583
		600	590	603
		650	640	653
		700	690	703
		750	740	753
Inset drawer				
	<p> <math>SKL = NL - 10 \pm 0.5</math>  <math>MET = NL + 21</math> </p>			

Locking device fixing position	Adjustment adapter fixing position
<p> <b>3D</b>  <b>4D</b>  <b>2D</b> </p>	

Fixing positions for full extension slide
<p> Euro screw <math>\varnothing 6.3 \times 14</math> mm  Chipboard screw <math>\varnothing 4 \times 16</math> mm  Screw head <math>\varnothing 7</math> mm </p>

## LEGEND

HV	Height adjustment	MET	Minimum installation depth	SV	Side adjustment
KV	Front edge of cabinet	NL	Nominal length	TV	Depth adjustment
LWK	Inside cabinet width	NV	Tilt angle adjustment		
LWS	Internal drawer width	SKL	Length of drawer		



# DYNAPRO TIPMATIC SOFT-CLOSE

Full extension slide 40/70 kg



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

## Packaging unit (PU):

204 = 5 units in a cardboard box  
 207 = 10 units in a cardboard box  
 208 = 12 units in a cardboard box  
 210 = 15 units in a cardboard box  
 211 = 20 units in a cardboard box  
 213 = 25 units in a cardboard box  
 223 = 100 units in a cardboard box  
 233 = 200 units in a cardboard box  
 517 = 50 units in PE in a cardboard box  
 607 = 10 units in a cardboard box in a cardboard box

## Note:

- Dynapro Tipmatic Soft-close can be used from nominal length (NL) 270

## ORDER INFORMATION

1 Dynapro full extension slide Soft-close Set: One left, one right					
NL	40 kg			70 kg	
	Art.-no.	PU	Art.-no.	PU	
270	F130107793	204 211	-		
300	F130107796	204 211	-		
320	F130107799	204 211	-		
350	F130107802	204 211	-		
380	F130107805	204 211	-		
400	F130107808	204 211	-		
420	F130107811	204 211	-		
450	F130107814	204 210	F130107832	204 210	
480	F130107817	204 210	-		
500	F130107820	204 210	F130107838	204 210	
520	F130107823	204 210	F130107841	204 210	
550	F130107826	204 210	F130107844	204 210	
580	-		F130107847	204 208	
600	F130107829	204 208	F130107850	204 208	
650	-		F130107853	204 208	
700*	-		F130107856	204 208	
750*	-		F130107859	204 208	

\* Load capacity 50 kg

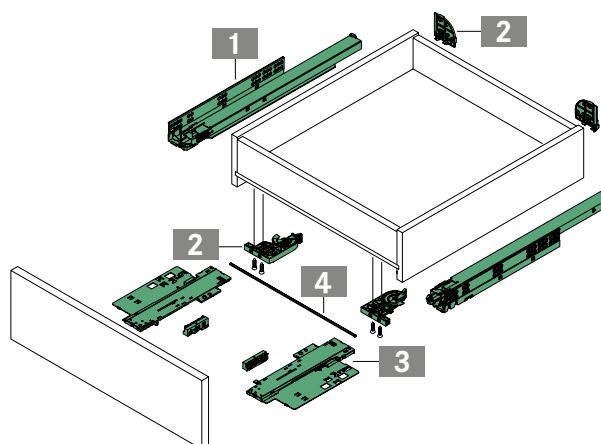
4 Synchronisation rod Single item: For cutting to length					
L	Art.-no.	PU			
952	F134109410	207			

Individual components		
Description	Art.-no.	PU
Dynapro Tipmatic Soft-close unit Set: One left, one right	F134109324	213
Dynapro Tipmatic Soft-close activator Set: One left, one right	F134109325	223
Front locking device (1D) Set: One left, one right	F134101220	233 517
Front locking device (2D) Set: One left, one right	F134108949	233
Adjustment adapter (1D) Set: One left, one right	F134108952	233

2a Dynapro 3D-Set Front locking device (2D) and adjustment adapter (1D), one of each left/right					
	Art.-no.	PU			
	F134108956	517			

2b Dynapro 2D set Front locking device (1D) and adjustment adapter (1D), one of each left/right					
	Art.-no.	PU			
	F134117193	517			

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

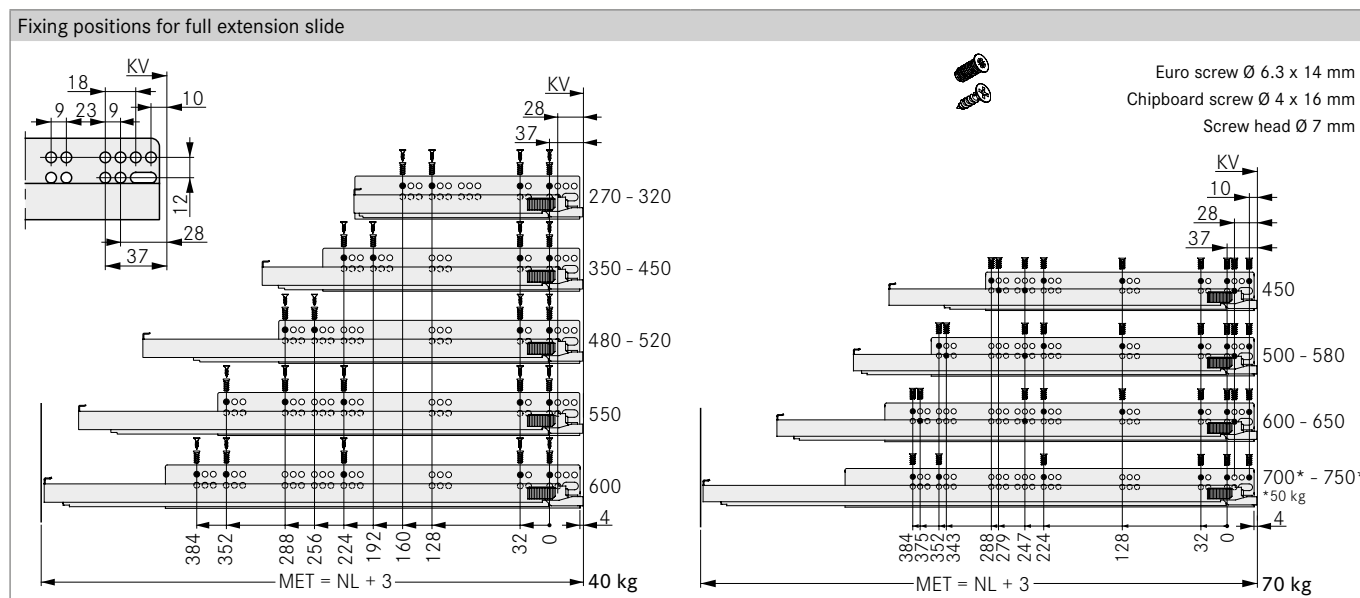
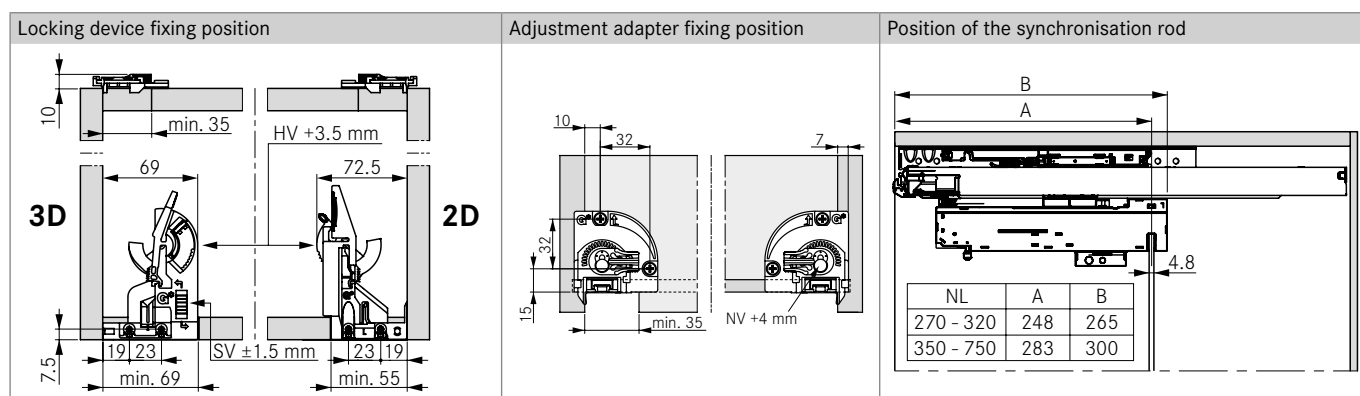
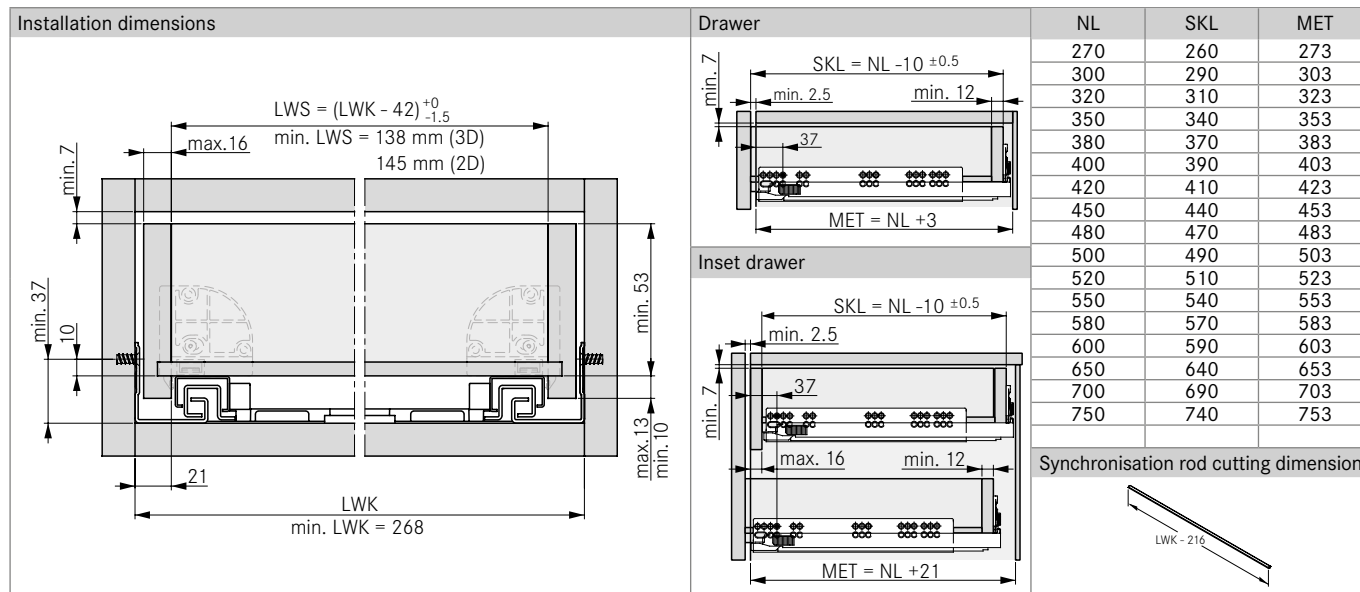


## PAGE REFERENCES

Pull-out shelf	18	Assembly aids	24		
Technical information	20	Packaging code	75		

## PLANNING DIMENSIONS

All dimensions in millimetres



## LEGEND

HV Height adjustment  
KV Front edge of cabinet  
L Length  
LWK Inside cabinet width

LWS Internal drawer width  
MET Minimum installation depth  
NL Nominal length  
NV Tilt angle adjustment

SKL Length of drawer  
SV Side adjustment

# DYNAPRO TIPMATIC

Full extension slide 40/60 kg



- Full extension slide Tipmatic for handle-free fronts
- Tipmatic ejector unit integrated into the slide
- Excellent running characteristics
- Fully-synchronised slide technology
- Utmost lateral stability
- Minimum drawer deflection
- 4D adjustment facility:
  - Height adjustment +3.5 mm
  - Side adjustment  $\pm 1.5$  mm
  - Tilt angle adjustment +4 mm
  - Front gap adjustment +1.5 mm

#### Packaging unit (PU):

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

## ORDER INFORMATION

1 Dynapro full extension slide Tipmatic Set: One left, one right						
NL	40 kg			60 kg		
	Art.-no.	PU		Art.-no.	PU	
250	F130117458	204	211	-		
270	F130117459	204	211	-		
300	F130117460	204	211	-		
320	F130117461	204	211	-		
350	F130117462	204	211	-		
380	F130116955	204		-		
400	F130117463	204	211	-		
420	F130117464	204	210	-		
450	F130117465	204	210	F130117470	204	210
480	F130117466	204	210	-		
500	F130117467	204	210	F130117471	204	210
520	F130116956	204		F130116957	204	
550	F130117468	204	210	F130117472	204	210
580	-			F130117473	204	
600	-			F130116941	204	
650	-			F130117474	204	
700*	-			F130117534	204	
750*	-			F130117535	204	

\* Load capacity 50 kg

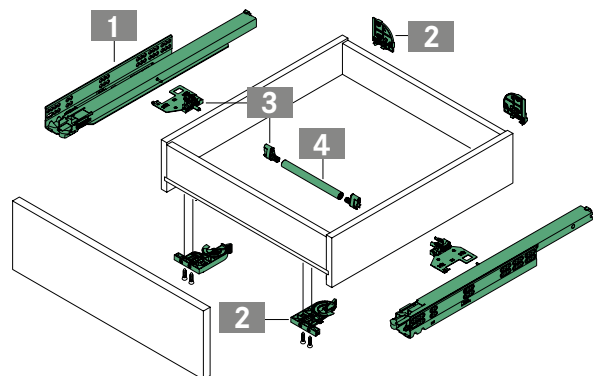
4 Synchronisation rod Single item: For cutting to length						
L	Art.-no.	PU				
981	F134116947	207	211			

Individual components			
Description		Art.-no.	PU
Synchronisation module, 40 kg Set: One left, one right		F134117114	212
Synchronisation module, 60 kg Set: One left, one right		F134117115	212
Synchronisation lever Single item: Can be used on left/right		F134125079	233
Front locking device (1D) Set: One left, one right		F134101220	233
Front locking device (2D) Set: One left, one right		F134108949	233
Adjustment adapter (1D) Set: One left, one right		F134108952	233

2a Dynapro 3D-Set Front locking device (2D) and adjustment adapter (1D), one of each left/right						
	Art.-no.	PU				
	F134108956	517				

2b Dynapro 2D set Front locking device (1D) and adjustment adapter (1D), one of each left/right						
	Art.-no.	PU				
	F134117193	517				

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

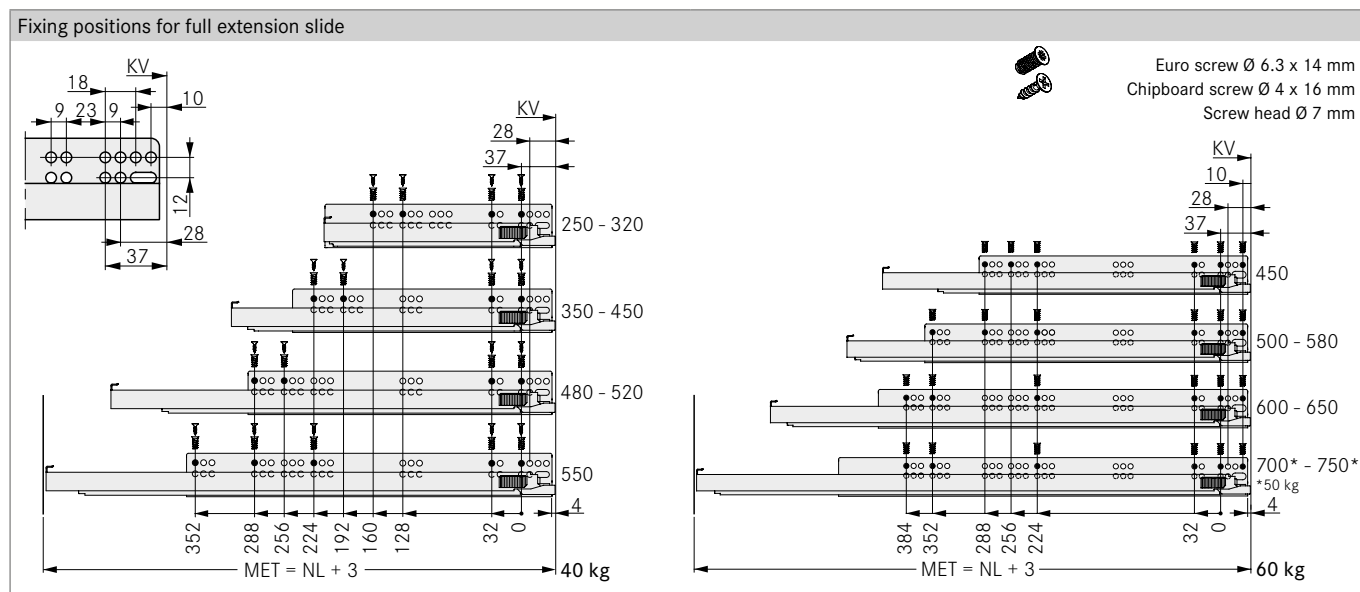
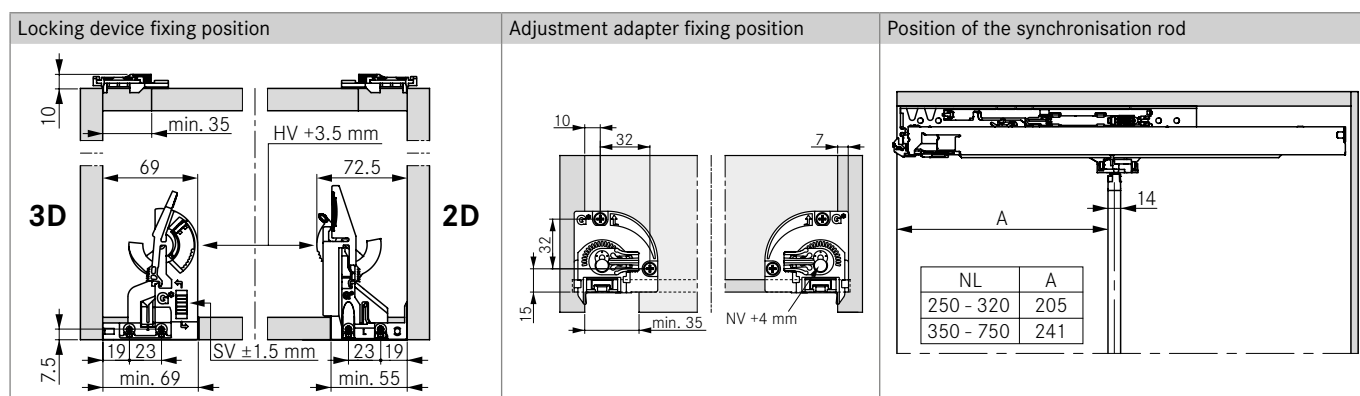
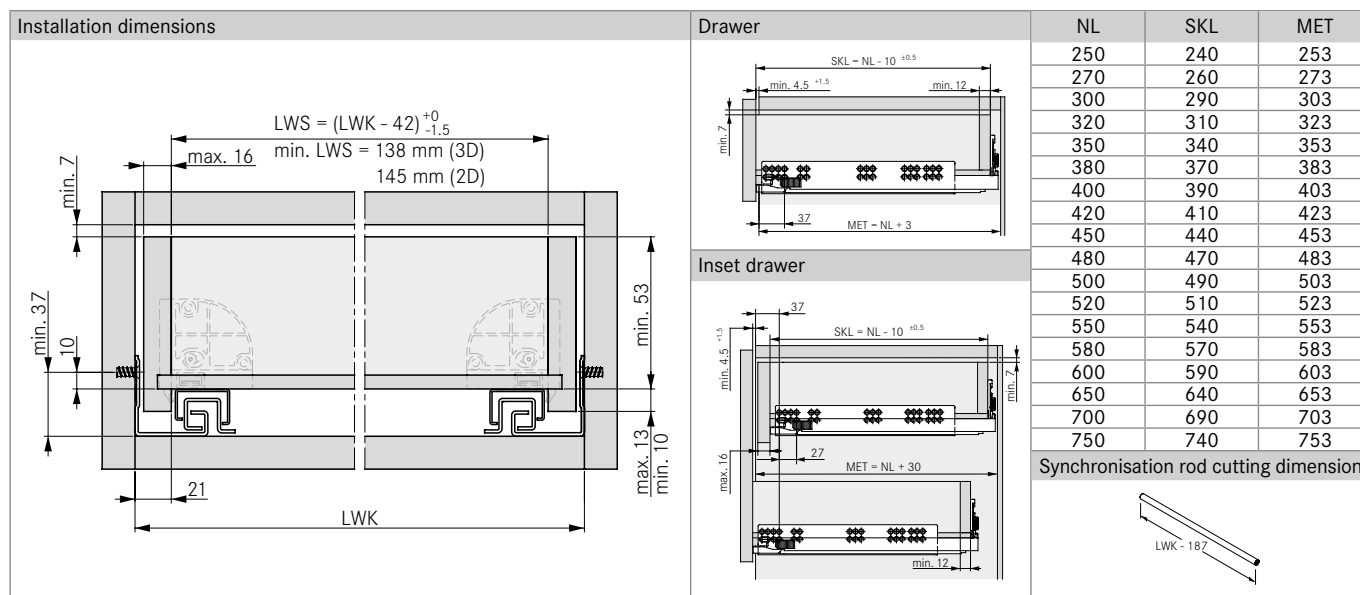


Pull-out shelf	18	Assembly aids	24		
Technical information	20	Packaging code	75		



## PLANNING DIMENSIONS

All dimensions in millimetres

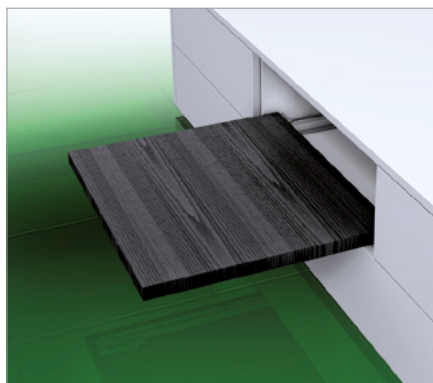


## LEGEND

HV	Height adjustment	LWS	Internal drawer width	SKL	Length of drawer
KV	Front edge of cabinet	MET	Minimum installation depth	SV	Side adjustment
L	Length	NL	Nominal length		
LWK	Inside cabinet width	NV	Tilt angle adjustment		

# DYNAPRO

## Base panel mounting and pull-out shelf



### Dynapro for base panel mounting:

- Full extension drawer synchronised, 40 kg load capacity
- Soft-close damping system
- Assembly on cabinet base or additional base panel
- Particularly suitable for pull-out shelves (no screw-on bracket at side)

### Shelf holder set for shelves:

- Height adjustment +3.5 mm
- Optional depth adjustment +3.5 mm
- Stepless shelf self-locking
- Compatible with all Dynapro slides

### Packaging unit (PU):

204 = 5 units in a cardboard box  
 210 = 15 units in cardboard box  
 211 = 20 units in cardboard box  
 233 = 200 units in a cardboard box  
 517 = 50 units in PE in a cardboard box  
 533 = 200 units in PE in a cardboard box

## ORDER INFORMATION

<b>1 Dynapro full extension slide</b> <b>Soft-close for base panel mounting</b> <b>Set: One left, one right</b>						
NL	40 kg					
	Art.-no.	PU				
400	<b>F130107878</b>	204	211			
450	<b>F130107884</b>	204	210			
500	<b>F130107890</b>	204	210			
550	<b>F130107893</b>	204				



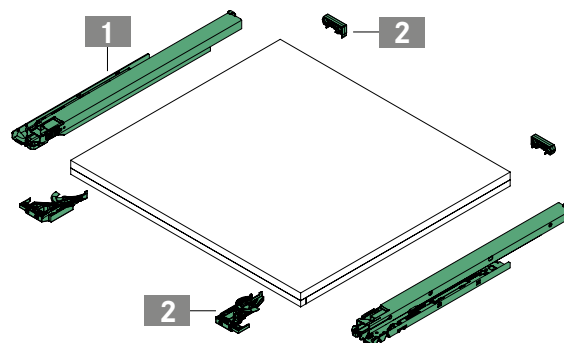
<b>2 Dynapro 1D set</b> <b>Front locking device (1D) and shelf holder, one of each left/right</b>						
	Art.-no.	PU				
	<b>F134107411</b>	517				



Individual components			
Description	Art.-no.	PU	
Front locking device (1D)	<b>F134101220</b>	517	233
Set: One left, one right			
Shelf holder	<b>F134101305</b>	533	
Set: One left, one right			



Optional: Depth adjustment (1D)			
Set: One left, one right			
	Art.-no.	PU	
	<b>F134101313</b>	533	



## PAGE REFERENCES

Dynapro Soft-close	12	Dynapro Tipmatic	16	Assembly aids	24
Dynapro Tipmatic Soft-close	14	Technical information	20	Packaging code	75

## INSTALLATION INFORMATION

All dimensions in millimetres

<p><b>Installation dimensions</b></p> <p> <math>LWTB = (LWK - 42) +0/-1.5</math>  min. LWTB = 145 mm  max. 16  27.5  21  LWK  16  min. 16  max. 13  min. 10 </p>	<p><b>Pull-out shelf</b></p> <p> <math>TBL = NL - 10 + X</math>  <math>MET = NL + 11 + X</math>  X (max. 16)  5  30+X </p>
<p><b>Locking device fixing position</b></p> <p> HV + 3.5 mm  10  13  72.5  X (max. 16)  7.5  19  23  min. 55 </p>	<p><b>Installation dimensions, back of shelf</b></p> <p> 32  4  8 </p>
<p><b>Fixing positions on base panel</b></p> <p> KV  30+X  8+X  16  400 - 500  550  352  332  284  264  20  0  22  <math>MET = NL + 11 + X</math>  40 kg </p> <p>  Chipboard screw Ø 4 x 16 mm  Screw head Ø 7 mm </p>	

## LEGEND

**HV** Height adjustment  
**LWK** Inside cabinet width  
**LWTB** Clear shelf width  
**MET** Minimum installation depth

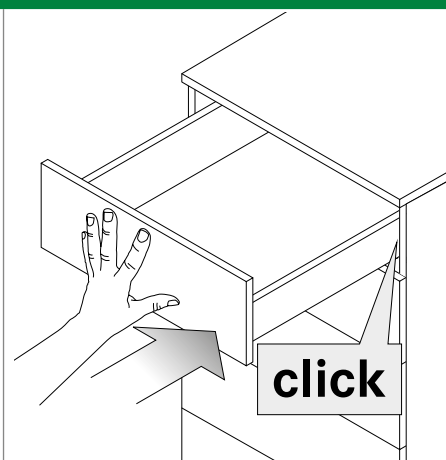
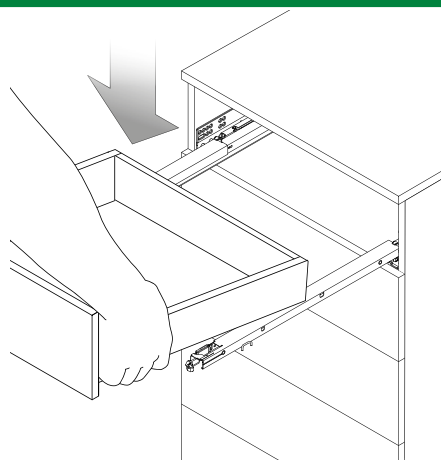
**NL** Nominal length  
**TBL** Shelf length



## INSTALLATION INFORMATION

### Inserting the drawer

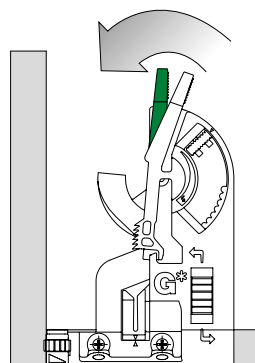
Place the drawer on the extended Dynapro slides and push in until it audibly engages.



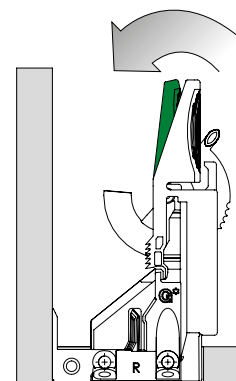
### Removing the drawer

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.

#### Dynapro 3D/4D



#### Dynapro 2D



## NOTES

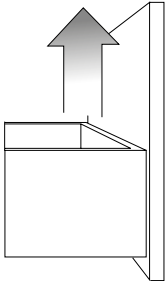
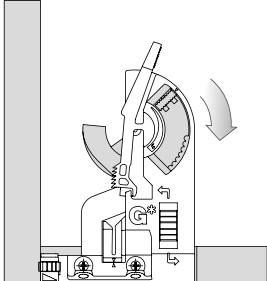
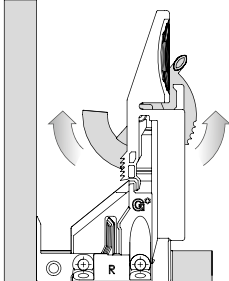
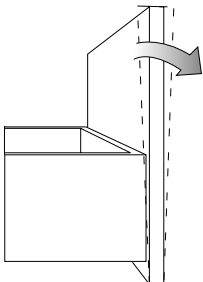

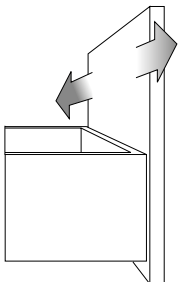
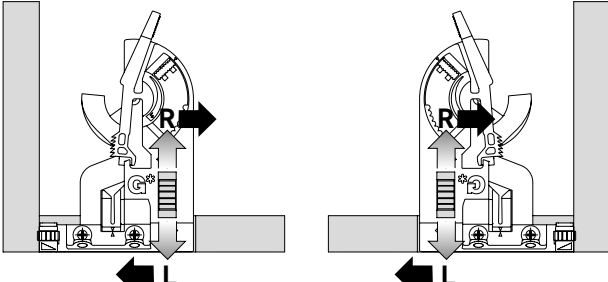
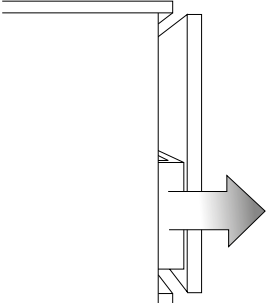
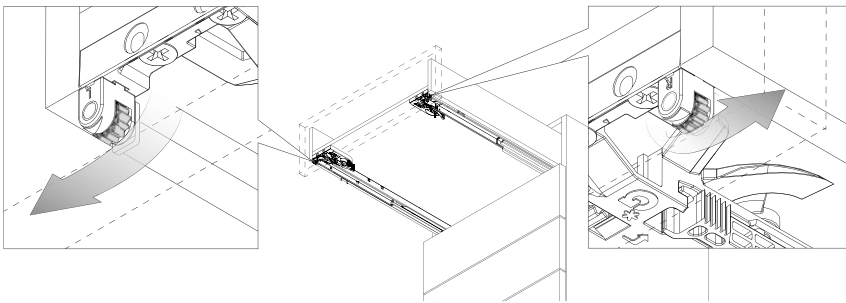
Fixing the cabinet rails:

The screw recommendations are guide values only. Screw head Ø 7 mm.  
Assemblers must ensure that the substrate material is thick enough.

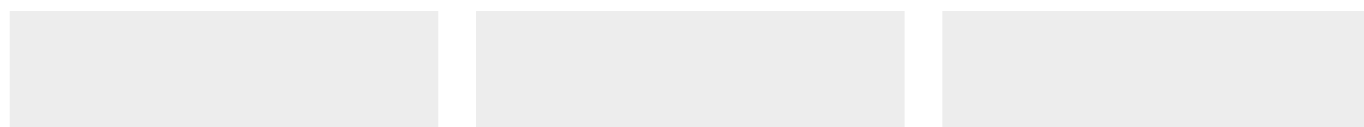
## PAGE REFERENCES

Dynapro Soft-close	12	Dynapro Tipmatic	16	Assembly aids	24
Dynapro Tipmatic Soft-close	14	Pull-out shelf	18	Sensomatic	27

## ADJUSTMENT

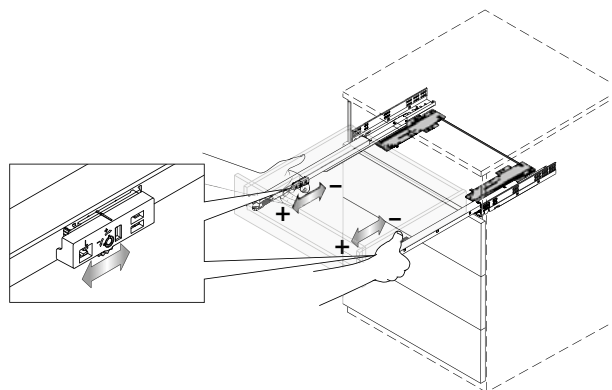
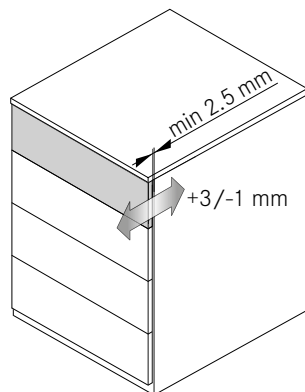
Height adjustment (max. +3.5 mm)	Dynapro 3D/4D	Dynapro 2D
		
Tilt angle adjustment of front (max. +4.0 mm)	Dynapro 2D/3D/4D	
		
Side adjustment (max. $\pm 1.5$ mm)	Dynapro 3D/4D	
		
Depth adjustment (max. +3.5 mm)	Dynapro 4D	
		

## LEGEND



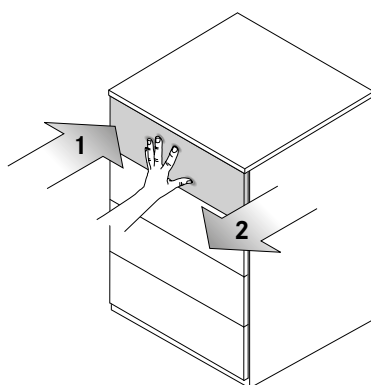
### DYNAPRO TIPMATIC SOFT-CLOSE

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

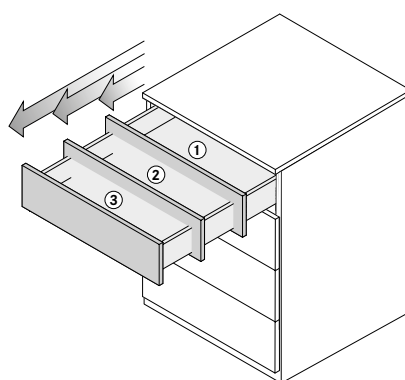


#### Opening force

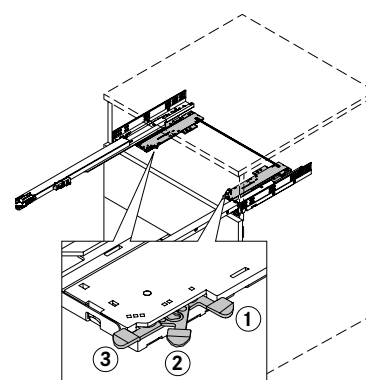
A



B



C



#### PAGE REFERENCES

Dynapro Soft-close	12
Dynapro Tipmatic Soft-close	14

Dynapro Tipmatic	16
Pull-out shelf	18

Assembly aids	24
Sensomatic	27



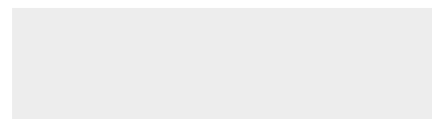
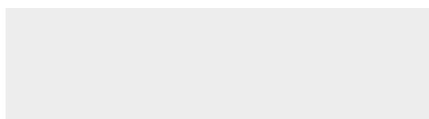
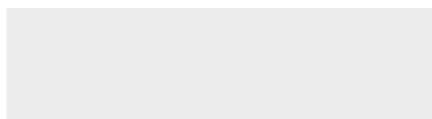
## DYNAPRO TIPMATIC SOFT-CLOSE

Activation zone	

## DYNAPRO TIPMATIC

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

## LEGEND



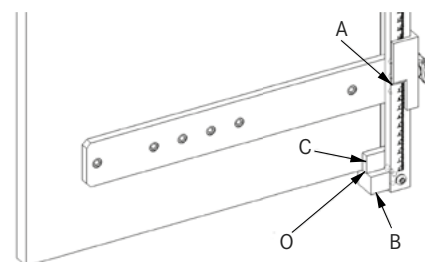


### DRILLING JIG FOR CABINET MEMBER

One set includes:

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

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



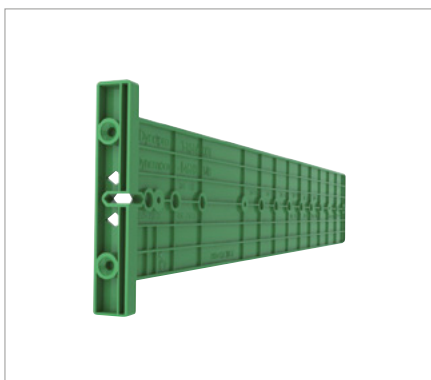
	Art.-no.	PU
	<b>F146094730</b>	<b>501</b>



### INDIVIDUAL MARKING ELEMENT

For extending the drilling jig  
for cabinet member F146094730

	Art.-no.	PU
	<b>F146094721</b>	<b>299</b>



### DRILLING JIG FOR CABINET MEMBER

For use with pilot drill bit F146035692

	Art.-no.	PU
	<b>F146101348</b>	<b>507</b>



### DRILLING JIG FOR DRAWER

Pre-drilling the holes for:

- Locking coupler
- Adjustment adapter for Dynapro
- 37 mm cabinet member hole
- For use with pilot drill bit F146035692

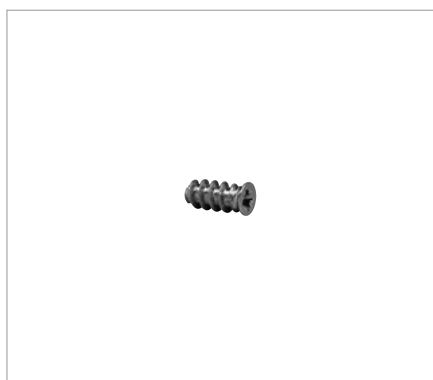
	Art.-no.	PU
	<b>F146109874</b>	<b>299</b>

### PAGE REFERENCES

Dynapro Soft-close	12
Dynapro Tipmatic Soft-close	14

Dynapro Tipmatic	16
Pull-out shelf	18

Technical information	20
Sensomatic	27



## EURO SCREW

	Art.-no.	PU
Ø 6.3 x 14 mm Screw head Ø 7 mm	<b>F148115049</b>	147



## SCREWDRIVER

GRASS cross head screwdriver  
(Pozidriv No. 2)

	Art.-no.	PU
	<b>F147010256</b>	001



## PILOT DRILL BIT

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

	Art.-no.	PU
Pilot drill bit	<b>F146035692</b>	299

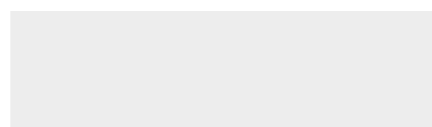
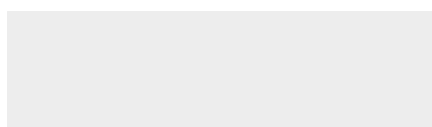
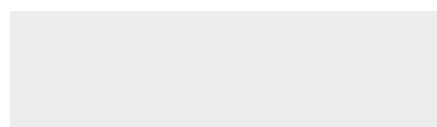


## DRILLING JIG FOR SENSOMATIC

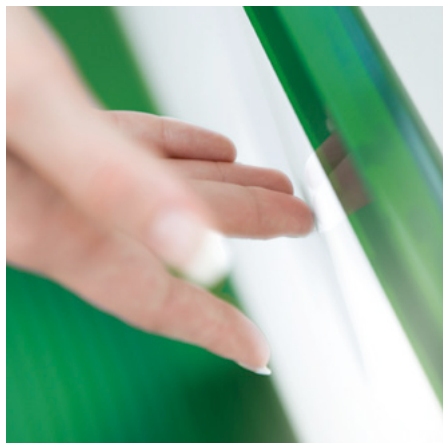
For pre-drilling the holes for fixing brackets  
at the assembled cabinet or loose bottom  
or top panel, for the Sensomatic system

	Art.-no.	PU
	<b>F146109850</b>	299

## LEGEND







#### SENSOMATIC OPENING SYSTEM

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

QUALITY CERTIFICATE  
**LGAI**

**The development of new movement systems ideally means dealing directly with the people who will be using them. Sensomatic is the best reference in this respect.**

The electro-mechanical system supports the opening process with a small lever which gently starts the drawer movement. Sensomatic is, however, very undemanding. 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 now meets the functional requirements of the future.

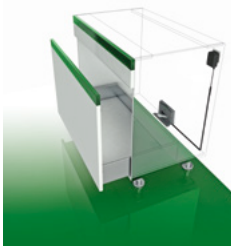
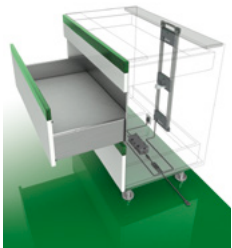


# DYNAPRO SENSOMATIC

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

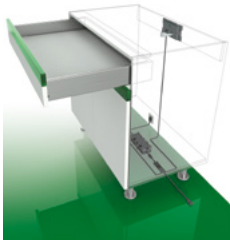
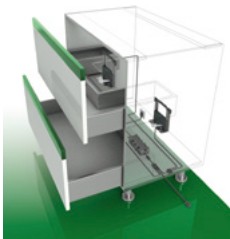
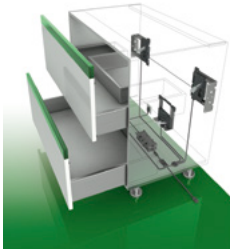
Product designation	Page
Dynapro Sensomatic single set	30
Standard cabinet with horizontal wooden stretcher	32
Standard cabinet with vertical wooden stretcher	34
Single drawer with overhead frame set mounting	36
Single drawer with back panel frame set mounting	38
Sink cabinet with bottom panel frame set mounting	40
Sink cabinet with side panel frame set mounting	42
Installation instructions	44
Assembly aids	25

# DYNAPRO SENSOMATIC

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

	Product description	Page
	<b>Dynapro Sensomatic single set</b> <ul style="list-style-type: none"> <li>• Complete set for a single drawer</li> <li>• For cabinet widths of up to 1200 mm</li> <li>• Easy to install</li> <li>• Very simple wiring (plug and play)</li> </ul>	30
	<b>Standard cabinet with horizontal wooden stretcher</b> <ul style="list-style-type: none"> <li>• Minimal additional space requirement between drawer back panel and cabinet</li> <li>• Very simple wiring (plug and play)</li> <li>• Just one drive unit for cabinet widths of up to 1200 mm</li> <li>• Large trigger range</li> </ul>	32
	<b>Standard cabinet with vertical wooden stretcher</b> <ul style="list-style-type: none"> <li>• Minimal additional space requirement between drawer back panel and cabinet</li> <li>• Very simple wiring (plug and play)</li> <li>• Just one drive unit for cabinet widths of up to 1200 mm</li> <li>• Large trigger range</li> </ul>	34
	<b>Single drawer with overhead frame set mounting</b> <ul style="list-style-type: none"> <li>• Minimal additional space requirement between drawer back panel and cabinet</li> <li>• Very simple wiring (plug and play)</li> <li>• Just one drive unit for cabinet widths of up to 1200 mm</li> <li>• Large trigger range</li> </ul>	36



	Product description	Page
	<p><b>Single drawer with back panel frame set mounting</b></p> <ul style="list-style-type: none"> <li>• Minimal additional space requirement between drawer back panel and cabinet</li> <li>• Very simple wiring (plug and play)</li> <li>• Just one drive unit for cabinet widths of up to 1 200 mm</li> <li>• Large trigger range</li> </ul>	38
	<p><b>Sink cabinet with bottom panel frame set mounting</b></p> <ul style="list-style-type: none"> <li>• Minimal additional space requirement between drawer back panel and cabinet</li> <li>• Very simple wiring (plug and play)</li> <li>• Just one drive unit for cabinet widths of up to 1 200 mm</li> <li>• Large trigger range</li> </ul>	40
	<p><b>Sink cabinet with side panel frame set mounting</b></p> <ul style="list-style-type: none"> <li>• Minimal additional space requirement between drawer back panel and cabinet</li> <li>• Very simple wiring (plug and play)</li> <li>• Just one drive unit for cabinet widths of up to 1 200 mm</li> <li>• Large trigger range</li> </ul>	42

# DYNAPRO SENSOMATIC

## Single set

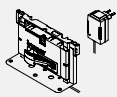


- Electro-mechanical opening system
- Combines handle-free opening with Soft-close damping system
- 1 drive unit for all weight classes
- Easy to fit
- Simple plug and play wiring
- Small additional installation depth
- Single sets include all components necessary for installation
- Ideal for heavy pot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

### • Note:

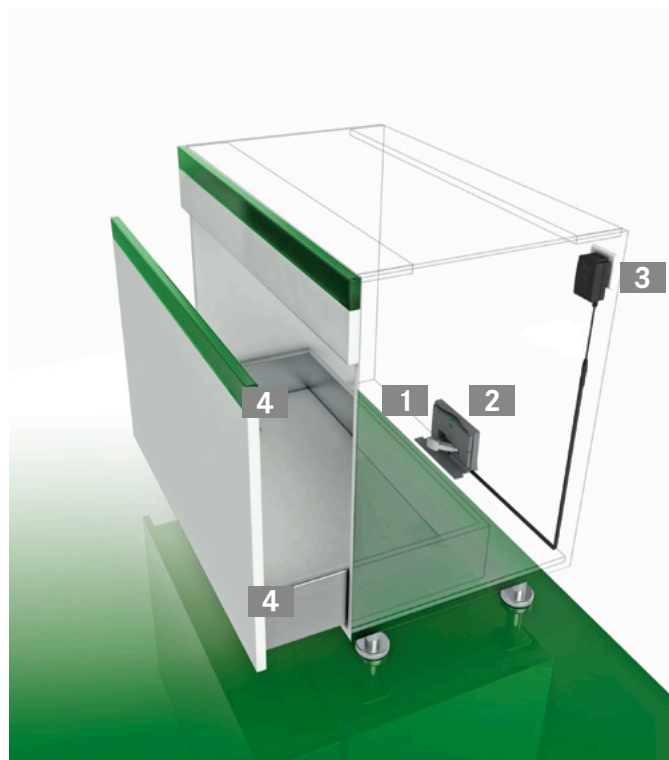
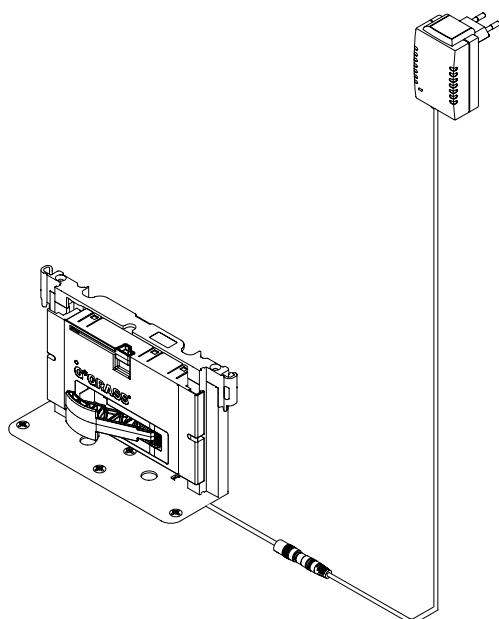
Sets for other countries available on request

## ORDER INFORMATION

Sensomatic single set		
	Art.-no.	PU
for Dynapro	<b>F121101208</b>	<b>201</b>

1 set includes:

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



## PAGE REFERENCES

Dynapro Soft-close	12	Installation instructions	44		
Technical information	25	Packaging code	75		

## INSTALLATION INFORMATION

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

## LEGEND

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


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

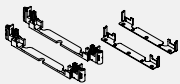
RW Back panel


# DYNAPRO SENSOMATIC

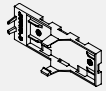
Standard cabinet horizontal wooden stretcher


## ORDER INFORMATION

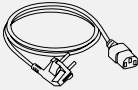
<b>1 Drive unit</b>	
	Art.-no. PU
for Dynapro	F121101195 607


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

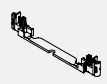
<b>3b Fixing brackets top/bottom</b>	
	Art.-no. PU
	F121100270 211

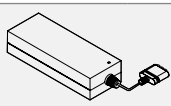
<b>5 Power supply unit holder</b>	
	Art.-no. PU
	F121100604 507


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

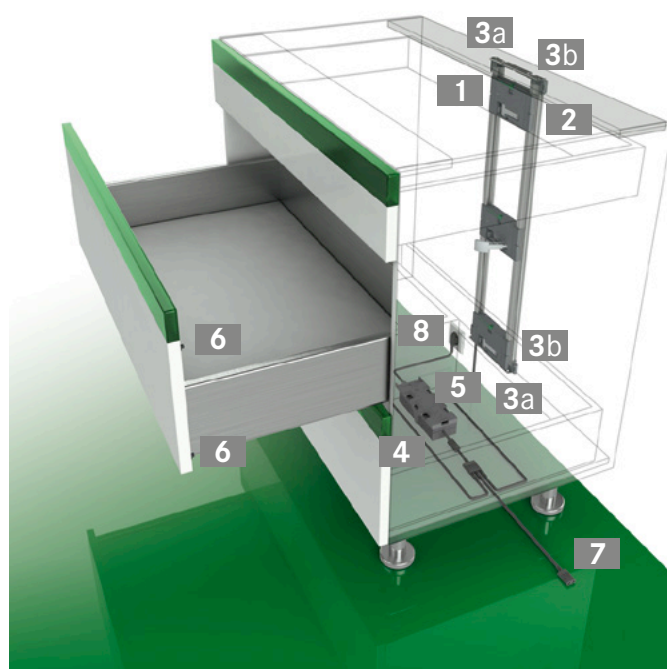
<b>8 Power supply cable</b>	
	Art.-no. PU
Plug	
Power supply cable K (USA, CAN)	F120069760 207
Power supply cable K (JP)	F120072445 207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761 207
Power supply cable E (DK)	F120069763 207
Power supply cable L (CH)	F120069765 207
Power supply cable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

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

<b>3a Frame connector</b>	
	Art.-no. PU
	F121100282 211

<b>4 Power supply unit</b>	
	Art.-no. PU
	F121100269 607

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

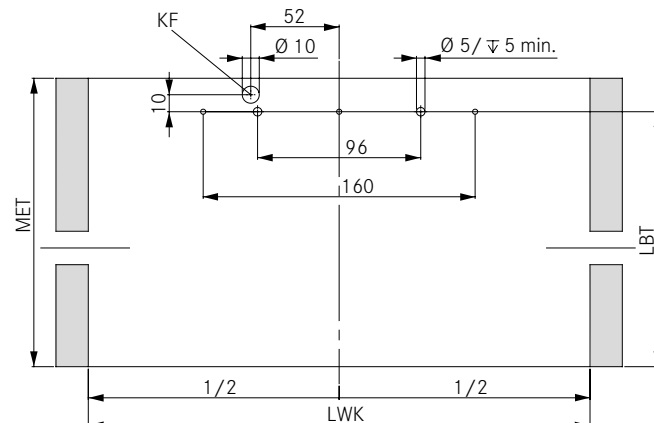
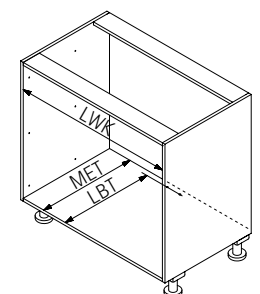
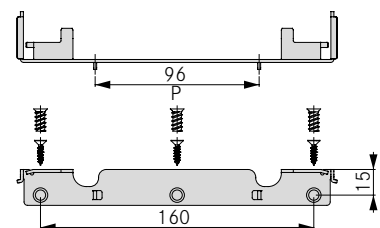
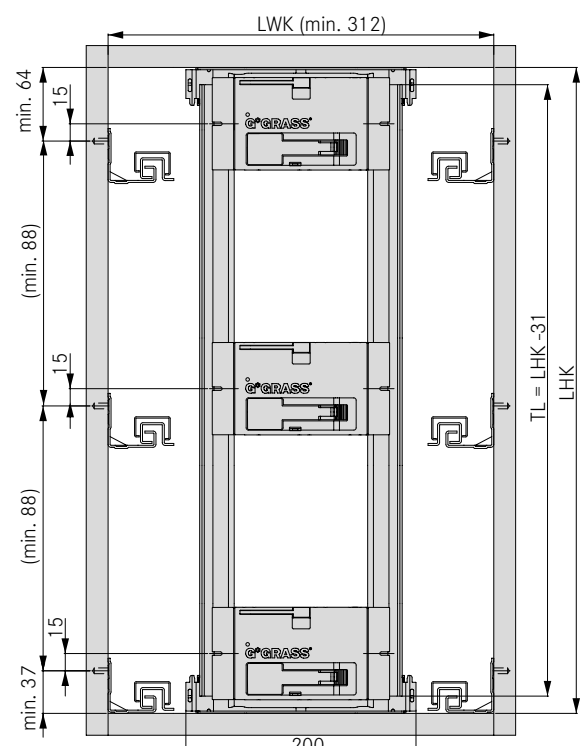
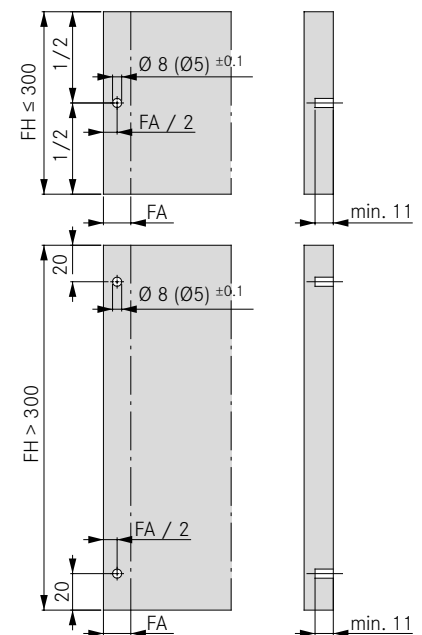


## PAGE REFERENCES

Dynapro Soft-close	12	Installation instructions	44		
Technical information	25	Packaging code	75		



## INSTALLATION INFORMATION

Installation dimensions								
		<table><tr><th>RW</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>NL + 15</td><td>NL</td></tr></table>	RW	MET	LBT	Wood	NL + 15	NL
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Wood	NL + 15	NL						
Fixing brackets top/bottom								
								
Position of drive unit	Position of front buffer							
								
	<p><b>Note:</b> When installing Dynapro slides 70 kg, 4 front buffers must be inserted into the front.</p>							

## LEGEND

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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


# DYNAPRO SENSOMATIC


## Standard cabinet vertical wooden stretcher


### ORDER INFORMATION

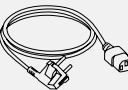
<b>1 Drive unit</b>	
	Art.-no. PU
for Dynapro	F121101195 607


<b>3 Frame connector</b>	
	Art.-no. PU
	F121100282 211


<b>5 Fixing bracket, back inside mounted</b>	
	Art.-no. PU
	F121100275 207

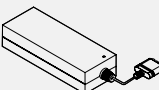
<b>7 Power supply unit holder</b>	
	Art.-no. PU
	F121100604 507


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

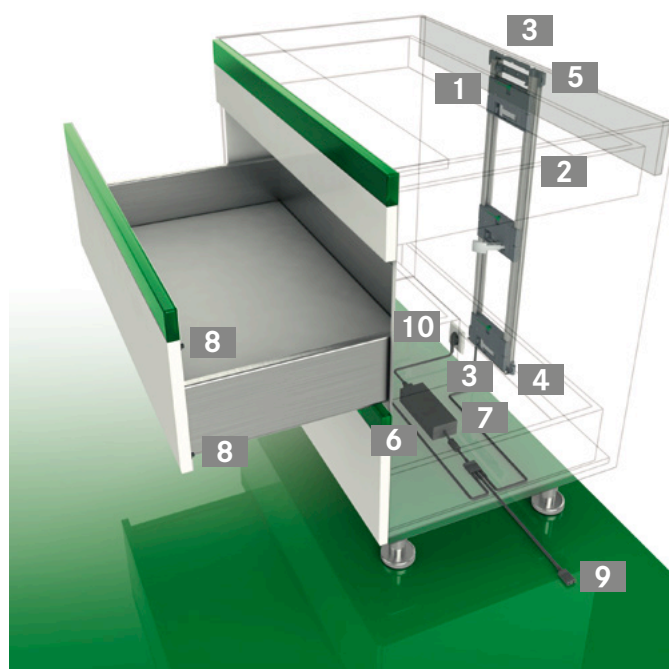
<b>10 Power supply cable</b>	
	K A E L D C
Plug	Art.-no. PU
Power supply cable K (USA, CAN)	F120069760 207
Power supply cable K (JP)	F120072445 207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761 207
Power supply cable E (DK)	F120069763 207
Power supply cable L (CH)	F120069765 207
Power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

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

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

<b>6 Power supply unit</b>	
	Art.-no. PU
	F121100269 607

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



### PAGE REFERENCES

Dynapro Soft-close	12	Installation instructions	44		
Technical information	25	Packaging code	75		

## INSTALLATION INFORMATION

Installation dimensions

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

3D perspective view of the slide system showing dimensions: RW (back panel), MET (minimum installation depth), LWT (inside cabinet width), and LBT (depth of hole pattern).

RW	MET	LBT
Wood	NL + 15	NL

Fixing brackets top/bottom

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

Fixing bracket, back inside mounted

Diagram of a back inside mounted fixing bracket showing dimensions: 96 (distance between holes) and 15 (height).

Position of drive unit

Side view diagram of the slide system showing dimensions: LWK (min. 312) (inside cabinet width), min. 90 (height), 15 (offset), min. 88 (height), 15 (offset), min. 88 (height), 15 (offset), min. 37 (height), 200 (width), TL = LHK - 31 (length of frame side), and LHK (inside cabinet height).

Position of front buffer

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

Note:

When installing Dynapro slides 70 kg, 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

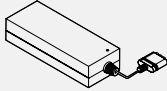
# DYNAPRO SENSOMATIC

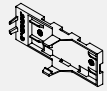
Single drawer with overhead frame set mounting


## ORDER INFORMATION


<b>1 Drive unit</b>	
	Art.-no. PU
for Dynapro	F121101195 607



<b>2 Installation set</b>	
	Art.-no. PU
	F121100273 207

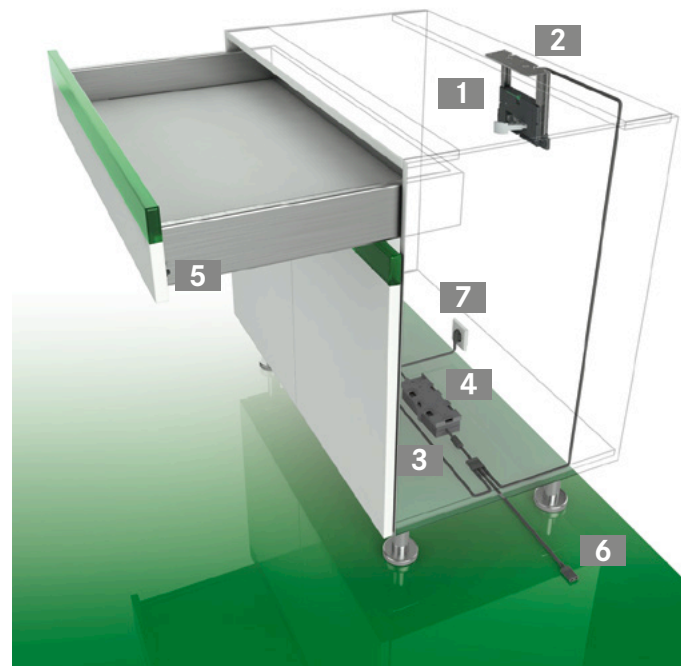
<b>3 Power supply unit</b>	
	Art.-no. PU
	F121100269 607

<b>4 Power supply unit holder</b>	
	Art.-no. PU
	F121100604 507

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

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

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



## PAGE REFERENCES

Dynapro Soft-close	12	Installation instructions	44		
Technical information	25	Packaging code	75		



## INSTALLATION INFORMATION

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

## LEGEND

FA Front overlay  
FH Height of front  
KF Cable routing  
KUB Cabinet base


LBT Depth of hole pattern  
LWK Inside cabinet width  
MET Minimum installation depth  
NL Nominal length


P Positioning aid  
RW Back panel


# DYNAPRO SENSOMATIC

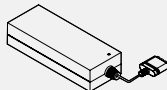
Single drawer with back panel frame set mounting


## ORDER INFORMATION


<b>1 Drive unit</b>	
	Art.-no. PU
for Dynapro	F121101195 607


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



<b>3 Frame connector</b>	
	Art.-no. PU
	F121100282 211

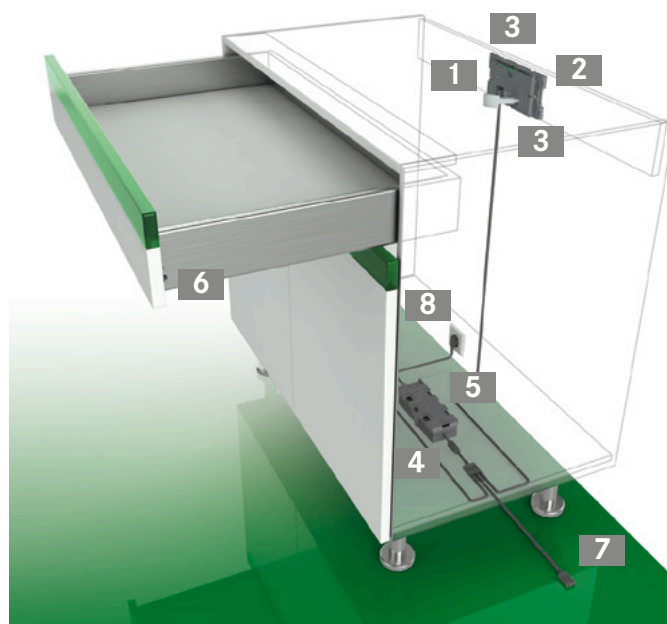
<b>4 Power supply unit</b>	
	Art.-no. PU
	F121100269 607

<b>5 Power supply unit holder</b>	
	Art.-no. PU
	F121100604 507

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

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

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

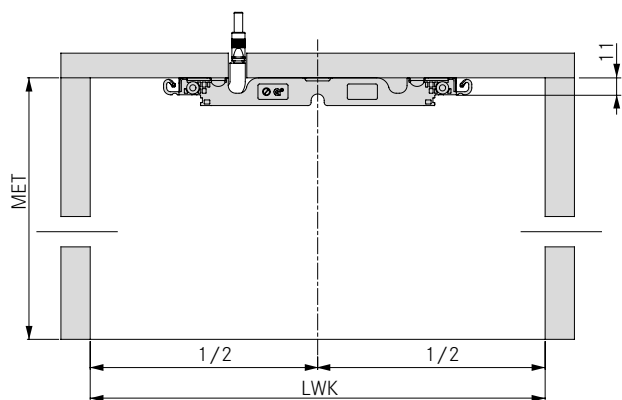


## PAGE REFERENCES

Dynapro Soft-close	12	Installation instructions	44		
Technical information	25	Packaging code	75		

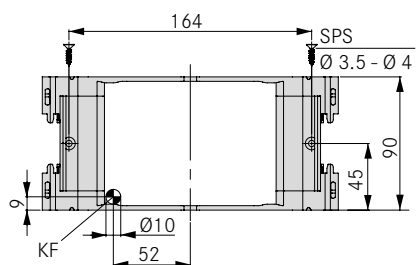
## INSTALLATION INFORMATION

## Installation dimensions

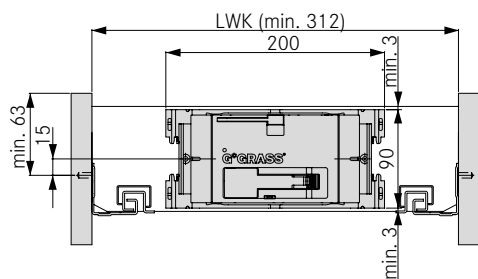


RW	MET
Wood	NL + 15

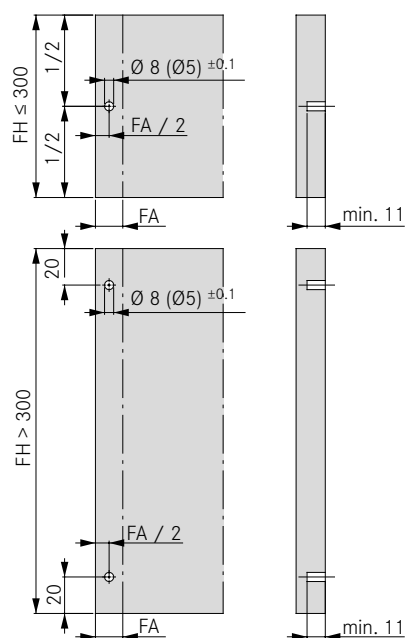
Frame sides



## Position of drive unit



## Position of front buffer



**Note:**

When installing Dynapro slides 70 kg, 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

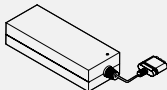
# DYNAPRO SENSOMATIC

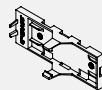
Sink cabinet with bottom panel frame set mounting


## ORDER INFORMATION


<b>1 Drive unit</b>			
	Art.-no.	PU	
for Dynapro	<b>F121101195</b>	<b>607</b>	


<b>2 Installation set</b>			
	Art.-no.	PU	
	<b>F121100273</b>	<b>207</b>	

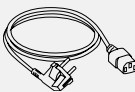
<b>3 Power supply unit</b>			
	Art.-no.	PU	
	<b>F121100269</b>	<b>607</b>	

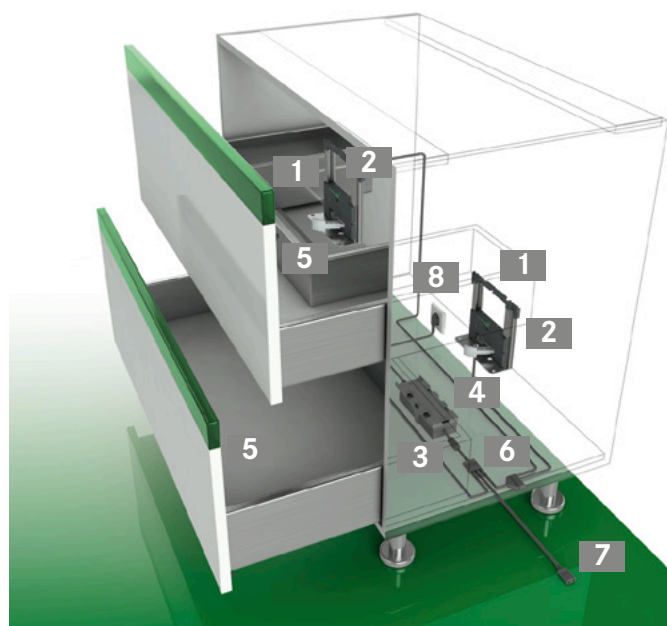
<b>4 Power supply unit holder</b>			
	Art.-no.	PU	
	<b>F121100604</b>	<b>507</b>	

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

<b>6 4-way adapter</b>			
	Art.-no.	PU	
	<b>F121100293</b>	<b>207</b>	

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

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

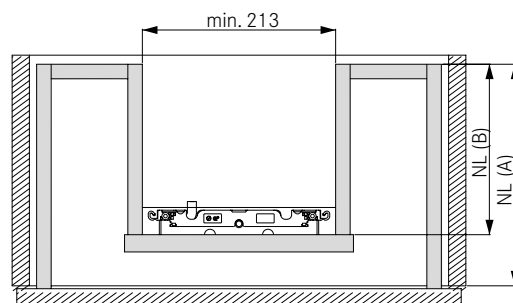
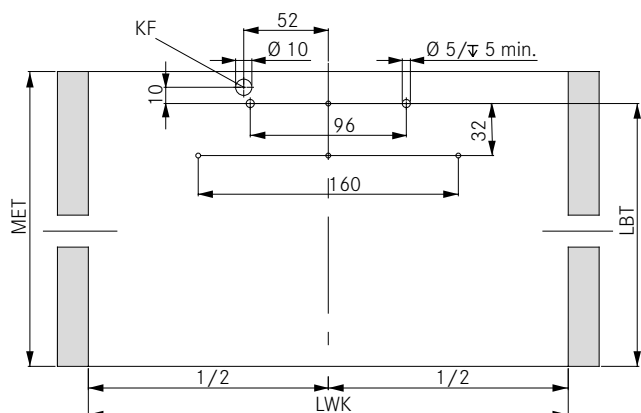


## PAGE REFERENCES

Dynapro Soft-close	12	Installation instructions	44		
Technical information	25	Packaging code	75		

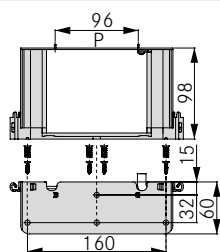
## INSTALLATION INFORMATION

### Installation dimensions - bottom panel frame set mounting

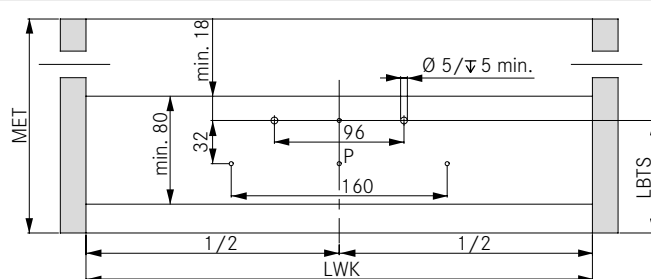


RW	MET	LBT	LBTS
Wood	NL + 15	NL	NL(A) - NL(B) + 9

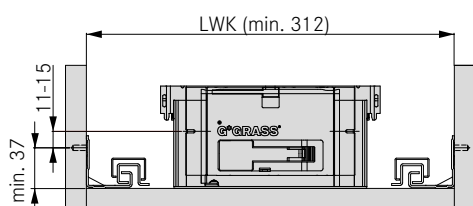
### Installation set



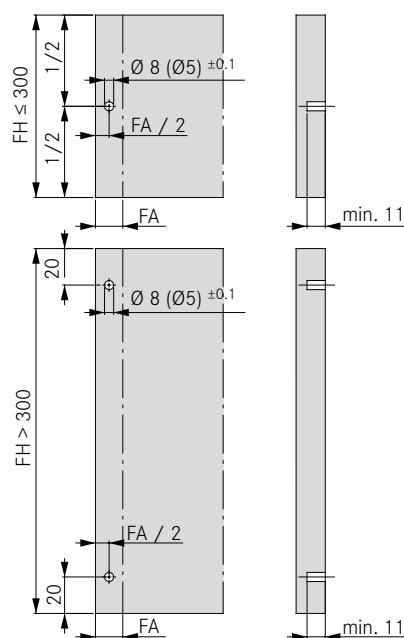
### Sink cabinet installation



### Position of drive unit



### Position of front buffer



### Note:

When installing Dynapro slides 70 kg, 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

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


P	Positioning aid
RW	Back panel




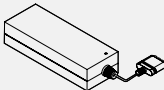
# DYNAPRO SENSOMATIC

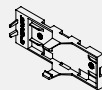
Sink cabinet with side panel frame set mounting


## ORDER INFORMATION


<b>1 Drive unit</b>	
	Art.-no. PU
for Dynapro	F121101195 607


<b>2 Installation set</b>	
	Art.-no. PU
	F121100273 207


<b>3 Power supply unit</b>	
	Art.-no. PU
	F121100269 607

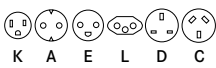

<b>4 Power supply unit holder</b>	
	Art.-no. PU
	F121100604 507

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

<b>6 Synchronisation cable 10 m</b>	
	Art.-no. PU
	F121100287 207

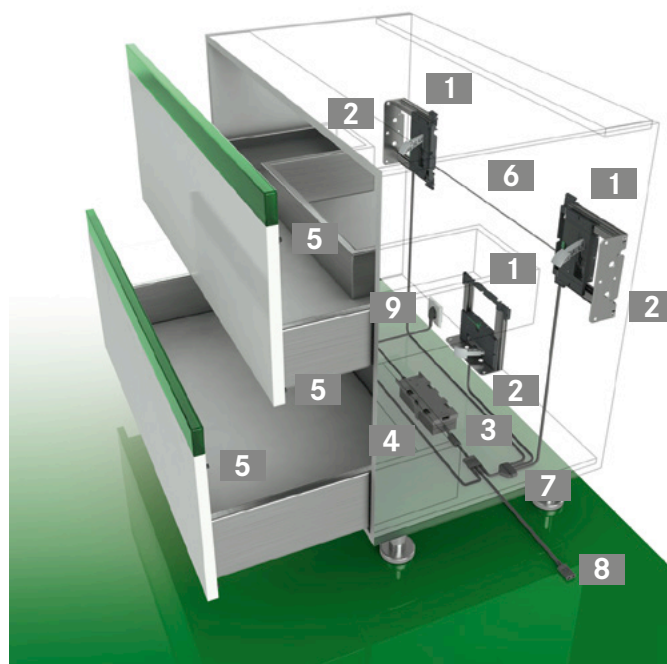
<b>7 4-way adapter</b>	
	Art.-no. PU
	F121100293 207

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

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

## NOTE

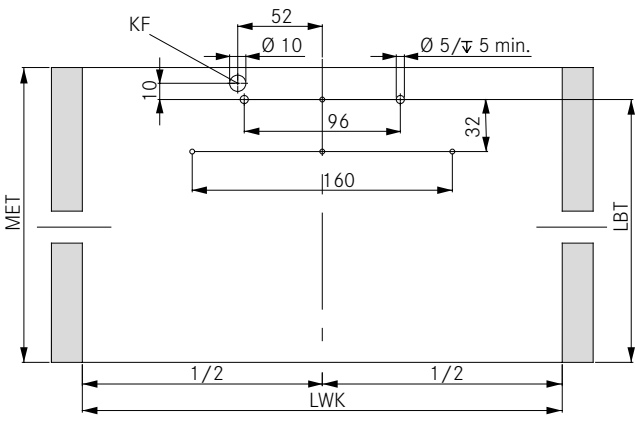
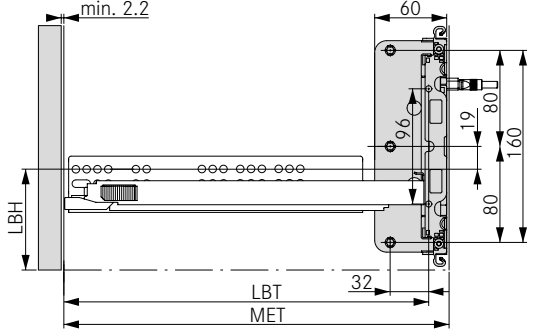
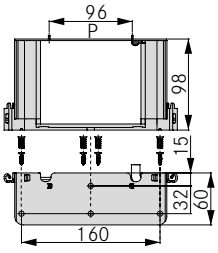
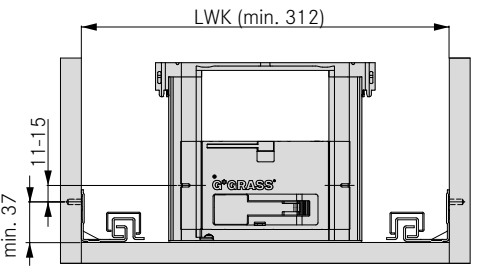
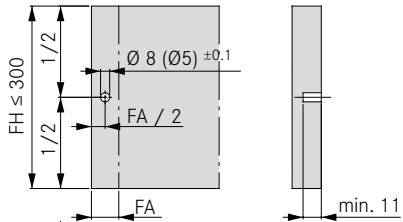
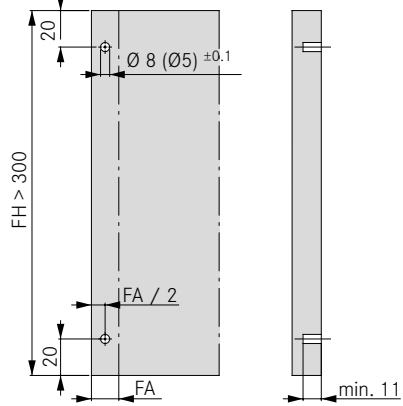
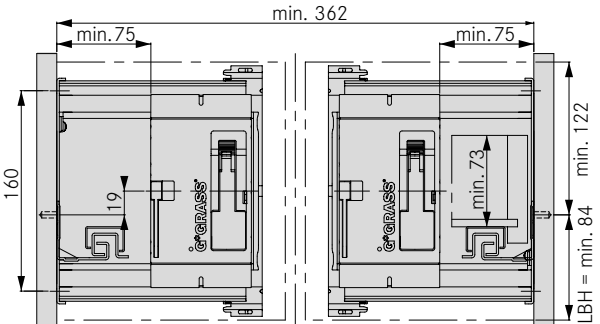
Suitable from NL 350



## PAGE REFERENCES

Dynapro Soft-close	12	Installation instructions	44		
Technical information	25	Packaging code	75		

## INSTALLATION INFORMATION

<p>Installation dimensions – bottom panel frame set mounting</p> 	<p>Installation dimensions – side panel frame set mounting</p>  <table border="1" data-bbox="1016 721 1469 784"><tr><th>RW</th><th>MET</th><th>LBT</th></tr><tr><td>Wood</td><td>NL + 15</td><td>NL</td></tr></table>	RW	MET	LBT	Wood	NL + 15	NL
RW	MET	LBT					
Wood	NL + 15	NL					
<p>Installation set</p> 							
<p>Position of drive unit, bottom panel frame set mounting</p> 	<p>Position of front buffer</p>  						
<p>Position of drive unit, side panel frame set mounting</p> 	<p><b>Note:</b> When installing Dynapro slides 70 kg, 4 front buffers must be inserted into the front.</p>						

## LEGEND

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

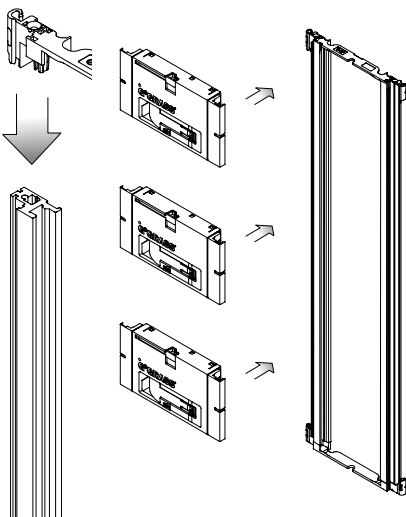
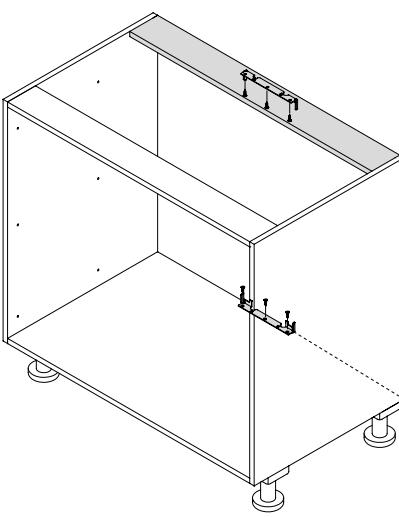
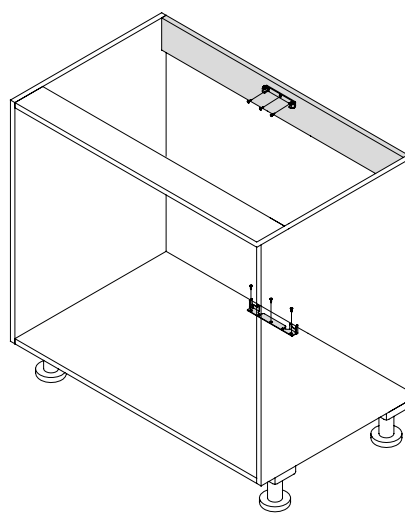
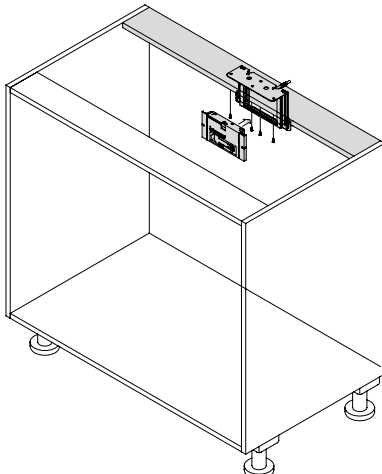
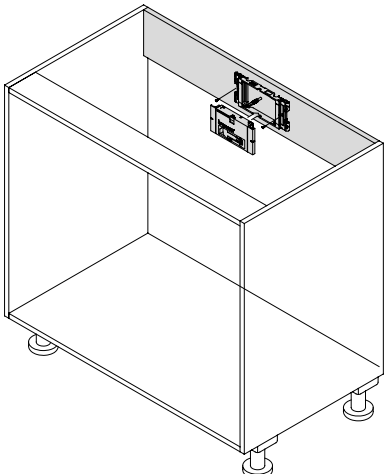
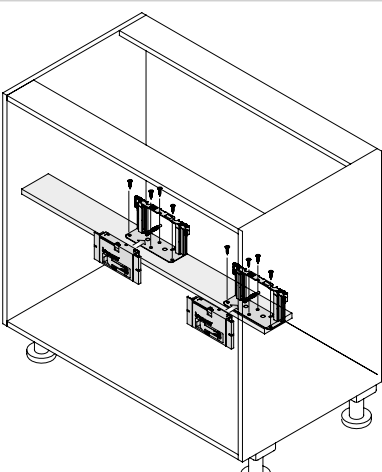
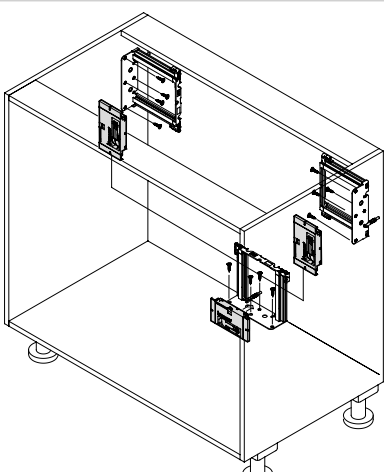
LBT Depth of hole pattern  
LWK Inside cabinet width  
MET Minimum installation depth  
NL Nominal length

P Positioning aid  
RW Back panel

# DYNAPRO SENSOMATIC

## Installation instructions

### INSTALLATION INSTRUCTIONS

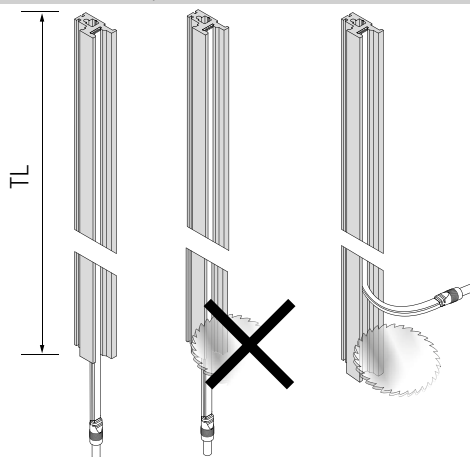
Stretcher installation	Standard cabinet installation with horizontal wooden stretcher	Standard cabinet installation with vertical wooden stretcher
		
Overhead frame set mounting, single drawer	Back panel frame set mounting, single drawer	
		
Bottom panel frame set mounting, sink cabinet	Side panel frame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

### PAGE REFERENCES

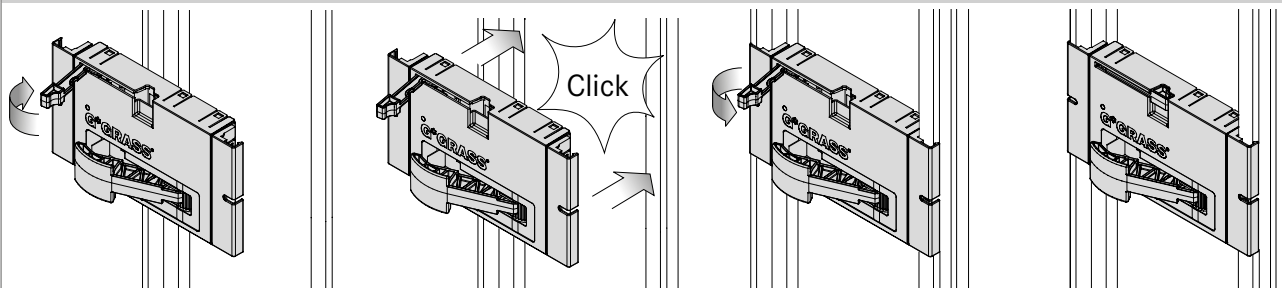
Horizontal wooden stretcher	32	Overhead frame set mounting	36	Bottom panel frame set mounting	40
Vertical wooden stretcher	34	Back panel frame set mounting	38	Side panel frame set mounting	42

## INSTALLATION INSTRUCTIONS

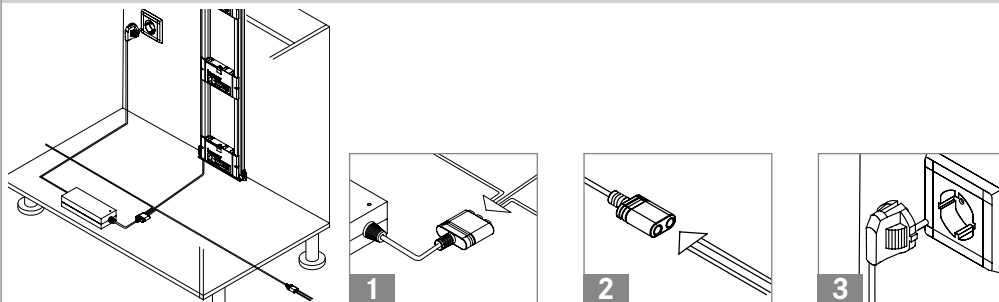
### Cutting stretcher to length (horizontal and vertical wooden stretcher)



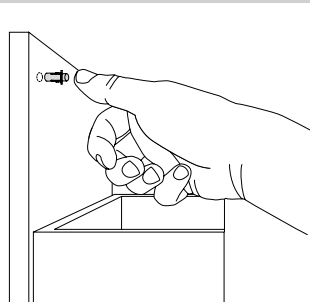
### Installation of drive unit



### Wiring (connection sequence)

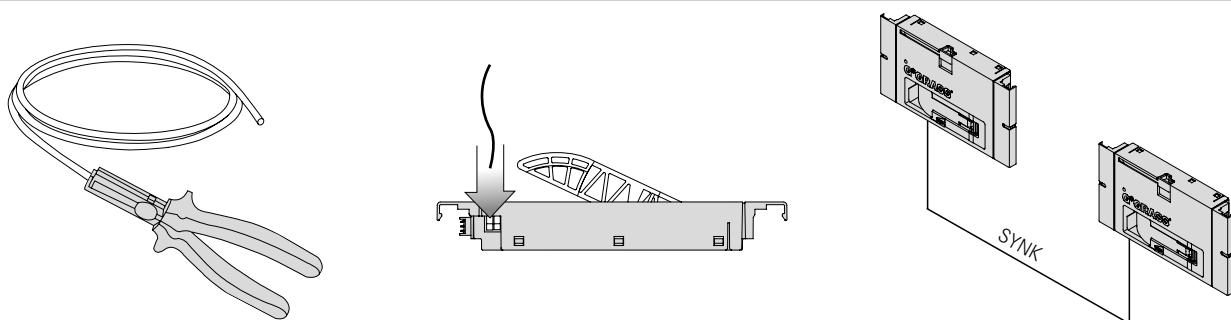


### Inserting front buffer



Do not drive in or glue!

### Installing the synchronisation cable



## LEGEND

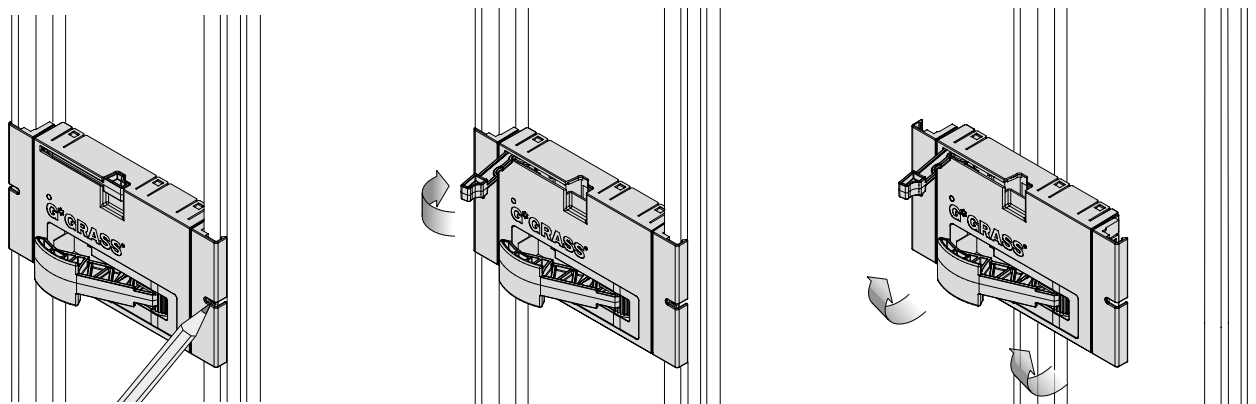
SYNK Synchronisation cable  
TL Length of frame side

# DYNAPRO SENSOMATIC

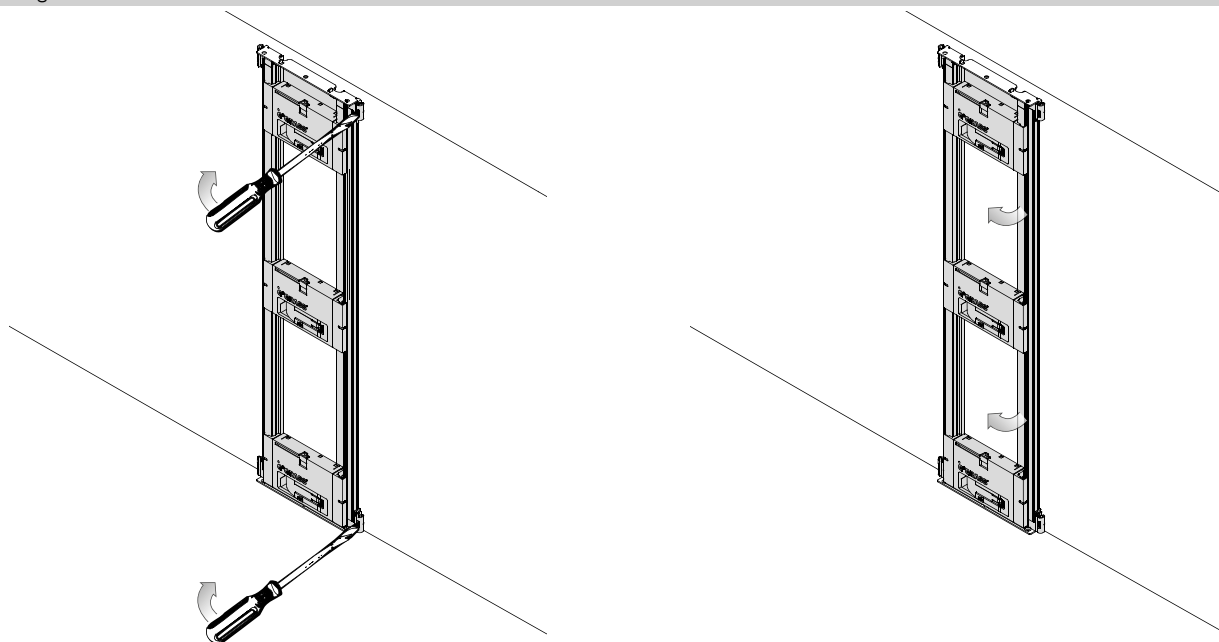
## Dismantling instructions

### DISMOUNTING

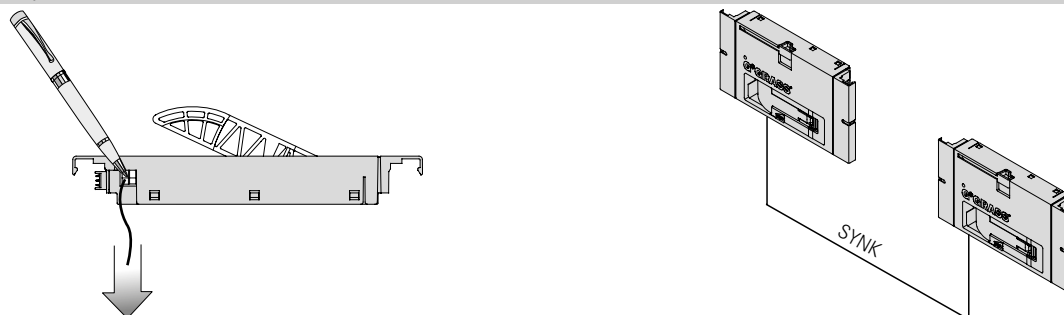
#### Dismantling the drive unit



#### Dismantling the frame sides



#### Dismantling the synchronisation cable



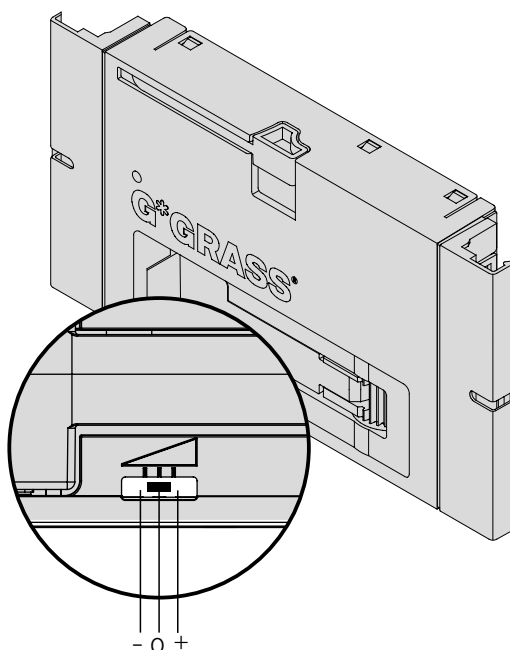
### PAGE REFERENCES

Horizontal wooden stretcher	32	Overhead frame set mounting	36	Bottom panel frame set mounting	40
Vertical wooden stretcher	34	Back panel frame set mounting	38	Side panel frame set mounting	42



## 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
- Per power supply unit it is possible to operate up to 30 drive units

## TECHNICAL DATA

- **Application area**  
only in dry, indoor rooms
- **Power supply unit**  
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



#### DYNAMOOV SLIDE SYSTEM

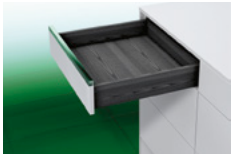

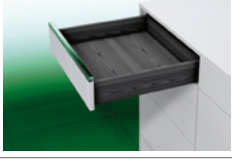
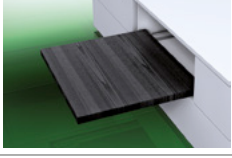
The economical alternative for those who do not want to make any compromises when it comes to running characteristics.

QUALITY CERTIFICATE  
**LGAD**



# DYNAMOOV SLIDE SYSTEM

The highly efficient movement system  
for the future.

	Product description	Page
	<b>Dynamoov full extension slide 30 kg Soft-close</b> <ul style="list-style-type: none"> <li>• Soft-close damping system</li> <li>• Integrated height adjustment without tools + 3.5 mm</li> </ul>	50
	<b>Dynamoov full extension slide 30 kg Self-close</b> <ul style="list-style-type: none"> <li>• Self-close closing system</li> <li>• Integrated height adjustment without tools + 3.5 mm</li> </ul>	52
	<b>Dynamoov full extension slide 30 kg Tipmatic</b> <ul style="list-style-type: none"> <li>• Tipmatic opening system</li> <li>• Integrated height adjustment without tools + 3.5 mm</li> <li>• Integrated front gap adjustment + 2 mm</li> </ul>	54
	<b>Dynamoov for base panel mounting and pull-out shelf</b> <ul style="list-style-type: none"> <li>• Installation on the cabinet base or additional base panel</li> <li>• Shelf holder set</li> </ul>	56
	<b>Technical information</b>	58
	<b>Assembly aids</b>	60

# DYNAMOOV SOFT-CLOSE

Full extension slide 30 kg



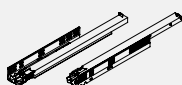
- Excellent running characteristics
- Fully synchronised slide technology
- Soft-close damping system
- Stepless self-locking of the drawer when placed on the slide
- Integrated height adjustment, tool-free +3.5 mm
- Optional depth adjustment +3.5 mm

## Packaging unit (PU):

204 = 5 units in a cardboard box  
 208 = 12 units in a cardboard box  
 210 = 15 units in a cardboard box  
 211 = 20 units in a cardboard box  
 233 = 200 units in a cardboard box  
 517 = 50 units in PE in a cardboard box  
 533 = 200 units in PE in a cardboard box

## ORDER INFORMATION

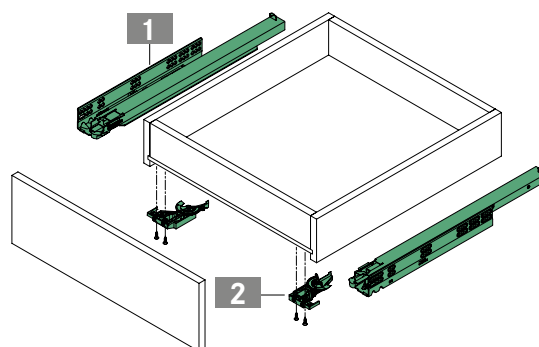
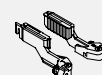
1 Dynamooov full extension slide Soft-close Set: One left, one right						
NL	30 kg					
	Art.-no.	PU				
250	F130107760	204				
270	F130107761	204	211			
300	F130107764	204	211			
320	F130107767	204				
350	F130107768	204	211			
380	F130107771	204				
400	F130107772	204	211			
420	F130107775	204				
450	F130107776	204	210			
480	F130107779	204				
500	F130107780	204	210			
520	F130107783	204				
550	F130107784	204	210			
600	F130107787	204	208			



2 Front locking device (1D) Set: One left, one right					
	Art.-no.	PU			
	F134101220	517	233		



Optional: Depth adjustment (1D) Set: One left, one right					
	Art.-no.	PU			
	F134101313	533			



## PAGE REFERENCES

Pull-out shelf	56	Assembly aids	60		
Technical information	58	Packaging code	75		

## PLANNING DIMENSIONS

All dimensions in millimetres

Installation dimensions	Drawer	NL	SKL	MET
<p> <math>LWS = (LWK - 42) \begin{smallmatrix} +0 \\ -1.5 \end{smallmatrix}</math>  <math>\text{min. } LWS = 145</math>  <math>\text{max. } 16</math>  <math>\text{min. } Z</math>  <math>\text{min. } 37</math>  <math>10</math>  <math>21</math>  <math>LWK</math>  <math>\text{max. } 13</math>  <math>\text{min. } 10</math> </p>	<p> <math>SKL = NL - 10 \pm 0.5</math>  <math>\text{min. } 12</math>  <math>37</math>  <math>MET = NL + 3</math> </p>	250	240	253
		270	260	273
		300	290	303
		320	310	323
		350	340	353
		380	370	383
		400	390	403
	<p> <math>SKL = NL - 10 \pm 0.5</math>  <math>37</math>  <math>16</math>  <math>\text{min. } 12</math>  <math>MET = NL + 21</math> </p>	420	410	423
		450	440	453
		480	470	483
		500	490	503
		520	510	523
		550	540	553
		600	590	603

Locking device fixing position	Back panel hole
<p> <math>\text{min. } 35</math>  <math>HV + 3.5 \text{ mm}</math>  <math>72.5</math>  <math>7.5</math>  <math>19</math>  <math>23</math>  <math>55 \text{ min.}</math> </p>	<p> <math>Z</math>  <math>1</math>  <math>\emptyset 6 \times 10</math>  <math>\text{min. } 35</math> </p>

Fixing positions for full extension drawer
<p> <math>KV</math>  <math>18</math>  <math>9</math>  <math>23</math>  <math>9</math>  <math>10</math>  <math>12</math>  <math>28</math>  <math>37</math>  <math>28</math>  <math>30 \text{ kg}</math>  <math>250 - 320</math>  <math>350 - 450</math>  <math>480 - 520</math>  <math>550</math>  <math>600</math>  <math>384</math>  <math>352</math>  <math>288</math>  <math>256</math>  <math>224</math>  <math>192</math>  <math>160</math>  <math>128</math>  <math>32</math>  <math>0</math>  <math>4</math>  <math>MET = NL + 3</math> </p>

Euro screw  $\emptyset 6.3 \times 14 \text{ mm}$   
 Chipboard screw  $\emptyset 4 \times 16 \text{ mm}$   
 Screw head  $\emptyset 7 \text{ mm}$

## LEGEND

HV	Height adjustment	MET	Minimum installation depth
KV	Front edge of cabinet	NL	Nominal length
LWK	Inside cabinet width	SKL	Length of drawer
LWS	Internal drawer width		



# DYNAMOOV SELF-CLOSE

Full extension slide 30 kg



- Excellent running characteristics
- Fully synchronised slide technology
- Self-close closing system
- Stepless self-locking of the drawer when placed on the slide
- Integrated height adjustment, tool-free +3.5 mm
- Optional depth adjustment +3.5 mm

## Packaging unit (PU):

204 = 5 units in a cardboard box

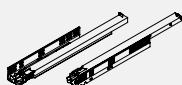
233 = 200 units in a cardboard box

517 = 50 units in PE in a cardboard box

533 = 200 units in PE in a cardboard box

## ORDER INFORMATION

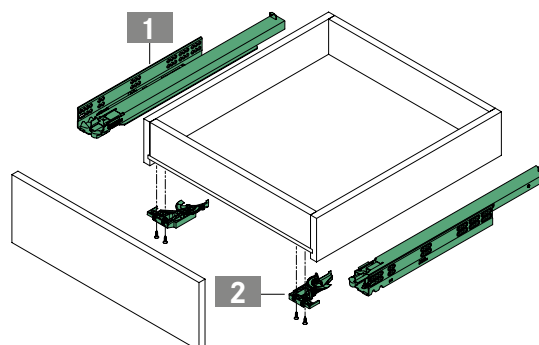
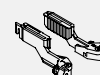
1 Dynamooov full extension slide Self-close Set: One left, one right						
NL	30 kg					
	Art.-no.	PU				
270	F130101161	204				
300	F130101162	204				
350	F130101164	204				
400	F130101166	204				
450	F130101168	204				
500	F130101170	204				
550	F130101172	204				



2 Front locking device (1D) Set: One left, one right				
	Art.-no.	PU		
	F134101220	517 233		



Optional: Depth adjustment (1D) Set: One left, one right				
	Art.-no.	PU		
	F134101313	533		



## PAGE REFERENCES

Pull-out shelf	56	Assembly aids	60		
Technical information	58	Packaging code	75		

## PLANNING DIMENSIONS

All dimensions in millimetres

Installation dimensions	Drawer	NL	SKL	MET
<p> <math>LWS = (LWK - 42) \begin{smallmatrix} +0 \\ -1.5 \end{smallmatrix}</math>  <math>\text{min. } LWS = 145</math>  <math>\text{max. } 16</math>  <math>\text{min. } Z</math>  <math>\text{min. } 37</math>  <math>10</math>  <math>21</math>  <math>LWK</math>  <math>\text{max. } 13</math>  <math>\text{min. } 10</math> </p>	<p> <math>SKL = NL - 10 \pm 0.5</math>  <math>\text{min. } 12</math>  <math>37</math>  <math>MET = NL + 3</math> </p>	270	260	273
		300	290	303
		350	340	353
		400	390	403
		450	440	453
		500	490	503
		550	540	553
	<p> <math>SKL = NL - 10 \pm 0.5</math>  <math>\text{min. } 12</math>  <math>37</math>  <math>16</math>  <math>MET = NL + 21</math> </p>			

Locking device fixing position	Back panel hole
<p> <math>\text{min. } 35</math>  <math>HV + 3.5 \text{ mm}</math>  <math>72.5</math>  <math>Z</math>  <math>19</math>  <math>23</math>  <math>55 \text{ min.}</math> </p>	<p> <math>Z</math>  <math>1</math>  <math>\text{Ø } 6 \times 10</math>  <math>\text{min. } 35</math> </p>

Fixing positions for full extension drawer	
<p> <math>KV</math>  <math>18</math>  <math>9</math>  <math>23</math>  <math>9</math>  <math>10</math>  <math>12</math>  <math>28</math>  <math>37</math>  <math>352</math>  <math>288</math>  <math>256</math>  <math>224</math>  <math>192</math>  <math>160</math>  <math>128</math>  <math>32</math>  <math>0</math>  <math>4</math>  <math>MET = NL + 3</math> </p>	<p><b>30 kg</b></p> <p><math>KV</math></p> <p>270 - 300</p> <p>350 - 450</p> <p>500</p> <p>550</p> <p>  Euro screw Ø 6.3 x 14 mm   Chipboard screw Ø 4 x 16 mm            Screw head Ø 7 mm         </p>

## LEGEND

HV	Height adjustment	MET	Minimum installation depth
KV	Front edge of cabinet	NL	Nominal length
LWK	Inside cabinet width	SKL	Length of drawer
LWS	Internal drawer width		

# DYNAMOOV TIPMATIC

Full extension slide 30 kg



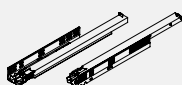
- Tipmatic full extension slide for handle-free fronts
- Tipmatic ejector unit integrated into the slide
- Excellent running characteristics
- Fully synchronised slide technology
- Integrated height adjustment, tool-free +3.5 mm
- Integrated front gap adjustment +1.5 mm
- The Tipmatic unit will not suffer damage when the drawer is pulled open in the conventional way
- Pressing within the central third of the front produces optimum opening action

## Packaging unit (PU):

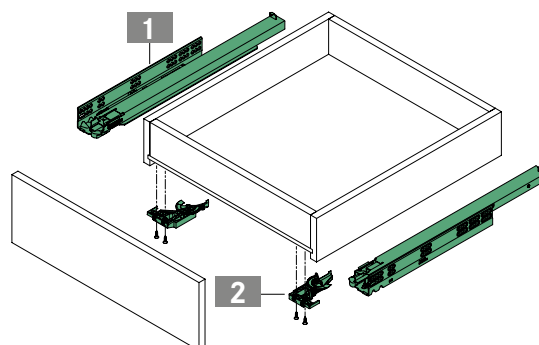
204 = 5 units in a cardboard box  
 210 = 15 units in cardboard box  
 211 = 20 units in cardboard box  
 233 = 200 units in a cardboard box  
 517 = 50 units in PE in a cardboard box

## ORDER INFORMATION

1 Dynamooov full extension slide Tipmatic Set: One left, one right						
NL	30 kg					
	Art.-no.	PU				
270	F130101114	204 211				
300	F130101115	204 211				
350	F130101117	204 211				
400	F130101119	204 211				
450	F130101121	204 210				
500	F130101123	204 210				
550	F130101125	204 210				



2 Front locking device (1D) Set: One left, one right					
	Art.-no.	PU			
	F134101220	517 233			



## PAGE REFERENCES

Pull-out shelf	56	Assembly aids	60		
Technical information	58	Packaging code	75		

## PLANNING DIMENSIONS

All dimensions in millimetres

Installation dimensions	Drawer	NL	SKL	MET
<p> <math>LWS = (LWK - 42) \begin{smallmatrix} +0 \\ -1.5 \end{smallmatrix}</math>  <math>\text{min. } LWS = 145</math>  <math>\text{max. } 16</math>  <math>\text{min. } 7</math>  <math>\text{min. } 37</math>  <math>10</math>  <math>21</math>  <math>LWK</math>  <math>\text{max. } 13</math>  <math>\text{min. } 10</math> </p>	<p> <math>SKL = NL - 10 \pm 0.5</math>  <math>4.5 \pm 1.5</math>  <math>\text{min. } 12</math>  <math>\text{min. } 7</math>  <math>37</math>  <math>MET = NL + 3</math> </p>	270	260	273
		300	290	303
		350	340	353
		400	390	403
		450	440	453
		500	490	503
		550	540	553
	<b>Inset drawer</b> <p> <math>SKL = NL - 10 \pm 0.5</math>  <math>4.5 \pm 1.5</math>  <math>37</math>  <math>\text{min. } 7</math>  <math>16</math>  <math>\text{min. } 12</math>  <math>MET = NL + 30</math> </p>			

Locking device fixing position	Back panel hole
<p> <math>\text{min. } 35</math>  <math>HV + 3.5 \text{ mm}</math>  <math>72.5</math>  <math>7.5</math>  <math>19</math>  <math>23</math>  <math>55 \text{ min.}</math> </p>	<p> <math>Z</math>  <math>1</math>  <math>\text{min. } 35</math>  <math>\text{min. } 35</math> </p>

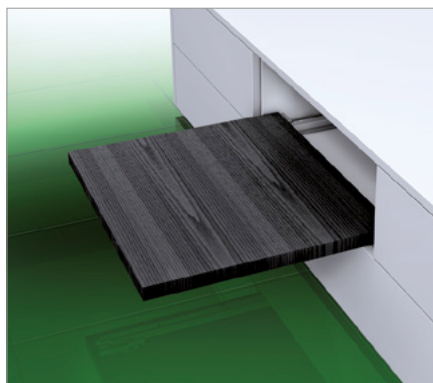
Fixing positions for full extension drawer	
<p> <math>KV</math>  <math>30 \text{ kg}</math>  <math>18</math>  <math>9</math>  <math>23</math>  <math>9</math>  <math>10</math>  <math>12</math>  <math>28</math>  <math>37</math>  <math>28</math>  <math>37</math>  <math>270 - 300</math>  <math>350 - 450</math>  <math>500</math>  <math>550</math>  <math>352</math>  <math>288</math>  <math>256</math>  <math>224</math>  <math>192</math>  <math>160</math>  <math>128</math>  <math>32</math>  <math>0</math>  <math>4</math>  <math>MET = NL + 3</math> </p>	<p> Euro screw <math>\text{Ø } 6.3 \times 14 \text{ mm}</math>  Chipboard screw <math>\text{Ø } 4 \times 16 \text{ mm}</math>  Screw head <math>\text{Ø } 7 \text{ mm}</math> </p>

## LEGEND

HV	Height adjustment	MET	Minimum installation depth
KV	Front edge of cabinet	NL	Nominal length
LWK	Inside cabinet width	SKL	Length of drawer
LWS	Internal drawer width		

# DYNAMOOV

## Base panel mounting and pull-out shelf



### Dynamoov for base panel mounting:

- Full extension drawer synchronised, 30 kg load capacity
- Soft-close damping system
- Assembly on cabinet base or additional base panel
- Particularly suitable for pull-out shelves (no screw-on bracket at side)

### Packaging unit (PU):

- 210 = 15 units in cardboard box
- 211 = 20 units in cardboard box
- 233 = 200 units in a cardboard box
- 517 = 50 units in PE in a cardboard box
- 533 = 200 units in PE in a cardboard box

### Shelf holder set for shelves:

- Height adjustment +3.5 mm
- Optional depth adjustment +3.5 mm
- Stepless shelf self-locking
- Compatible with all Dynamoov slides

## ORDER INFORMATION

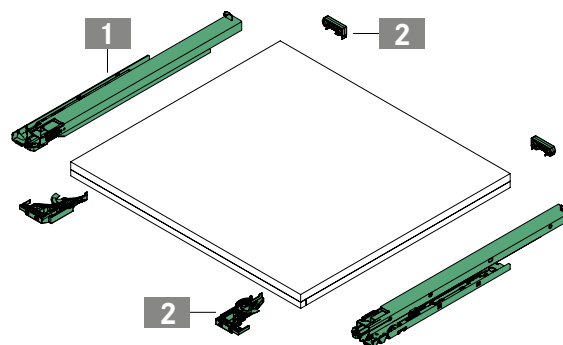
<b>1</b> Dynamoov full extension slide Soft-close for base panel mounting Set: One left, one right						
NL*	30 kg					
	Art.-no.	PU				
400	<b>F130107917</b>	211				
450	<b>F130107920</b>	210				
500	<b>F130107923</b>	210				
550	<b>F130107929</b>	210				

\* upon request

<b>2</b> Dynamoov 1D set Front locking device (1D) and shelf holder, one of each left/right						
	Art.-no.	PU				
	<b>F134107411</b>	517				

Individual components			
Description		Art.-no.	PU
Front locking device (1D) Set: One left, one right		<b>F134101220</b>	517 233
Shelf holder Set: One left, one right		<b>F134101305</b>	533

Optional: Depth adjustment (1D) Set: One left, one right			
	Art.-no.	PU	
	<b>F134101313</b>	533	



## PAGE REFERENCES

Dynamoov Soft-close	50	Dynamoov Tipmatic	54	Assembly aids	60
Dynamoov Self-close	52	Technical information	58	Packaging code	75



## INSTALLATION INFORMATION

All dimensions in millimetres

<p><b>Installation dimensions</b></p> <p> <math>LWTB = (LWK - 42) +0/-1.5</math>  min. LWTB = 145 mm  max. 16  27.5  21  LWK  16  min. 16  max. 13  min. 10 </p>	<p><b>Pull-out shelf</b></p> <p> <math>TBL = NL - 20 + X</math>  X (max. 16)  5  30+X  <math>MET = NL + 8 + X</math> </p>
<p><b>Locking device fixing position</b></p> <p> 10  13  HV + 3.5 mm  72.5  X (max. 16)  7.5  19  23  55 min. </p>	<p><b>Installation dimensions, back of shelf</b></p> <p> 32  4  8 </p>
<p><b>Fixing positions on base panel</b></p> <p> KV  30+X  8+X  16  400 - 500  550  352  332  284  264  20  0  22  <math>MET = NL + 8 + X</math>  40 kg </p> <p>  Chipboard screw <math>\varnothing 4 \times 16</math> mm  Screw head <math>\varnothing 7</math> mm </p>	

## LEGEND

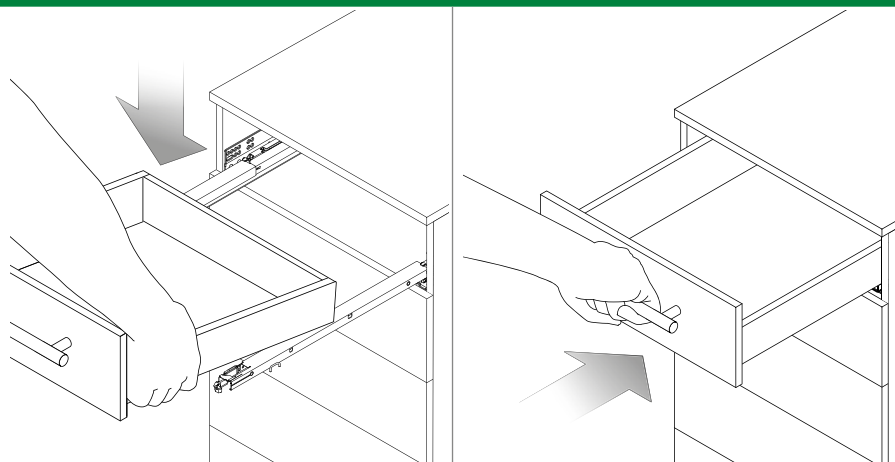
**HV** Height adjustment  
**LWK** Inside cabinet width  
**LWTB** Clear shelf width  
**MET** Minimum installation depth

**NL** Nominal length  
**TBL** Shelf length

## INSTALLATION INFORMATION

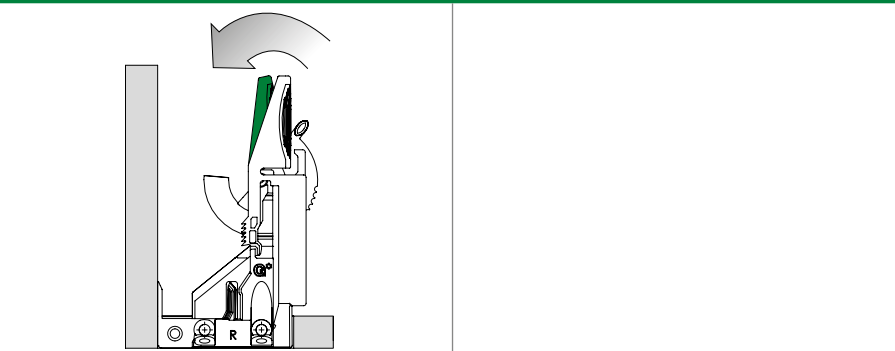
### Inserting the drawer

Drawer on extended Dynamoov slides and push in until it audibly engages.



### Removing the drawer

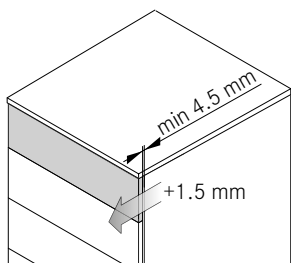
Pull out the drawer, actuate the lever of the front locking device on both sides and pull the drawer off the slide towards the front.



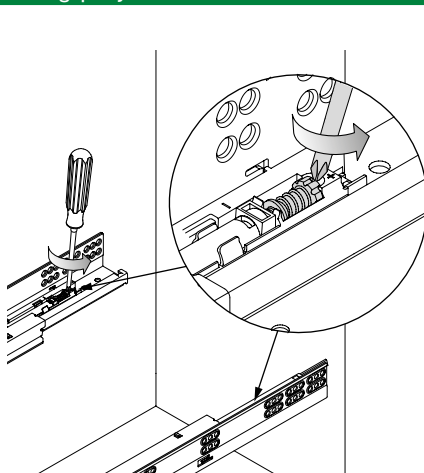
## DYNAMOOV TIPMATIC

### Front gap adjustment (max. +1.5 mm)

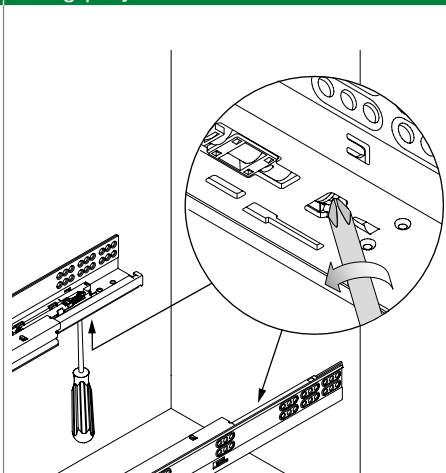
Reliable opening and closing of the drawer depends on the front gap adjustment (min. 4.5 mm = factory setting). If the front height is greater than 300 mm the front gap must be increased to the maximum 6 mm.



### Front gap adjustment from above



### Front gap adjustment from below



## NOTES

Fixing the cabinet rails:

The screw recommendations are guide values only.

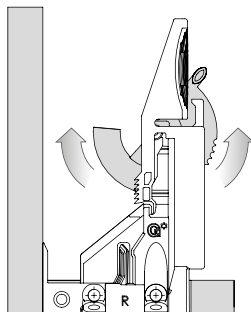
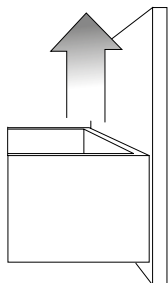
Assemblers must ensure that the substrate material is thick enough.

## PAGE REFERENCES

Dynamoov Soft-close	50	Dynamoov Tipmatic	54	Assembly aids	60
Dynamoov Self-close	52	Pull-out shelf	56	Packaging code	75

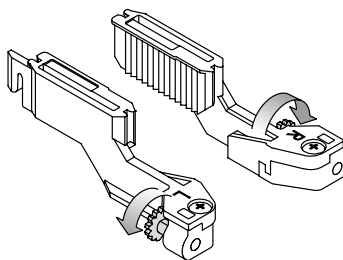
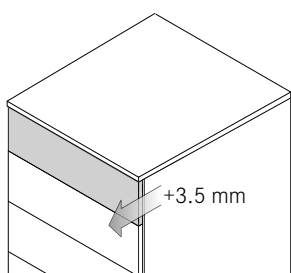
## ADJUSTMENT

### Height adjustment (max. +3.5 mm)

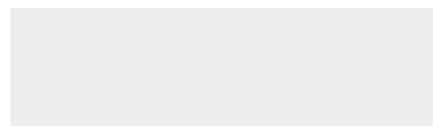
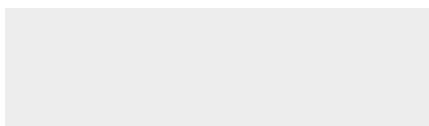
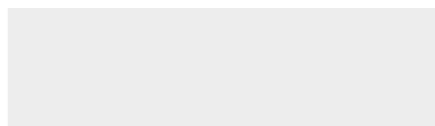


### Depth adjustment (max. +3.5 mm)

Can be used for Dynamoov Soft-close/Self-close.



## LEGEND



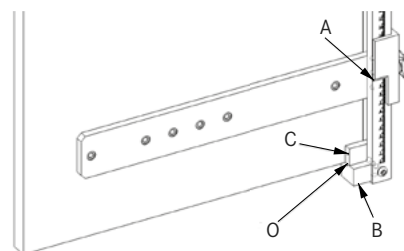


### DRILLING JIG FOR CABINET MEMBER

One set includes:

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

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



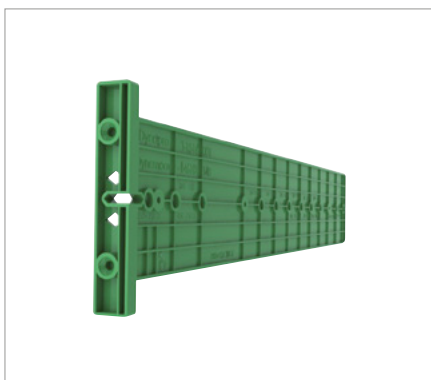
	Art.-no.	PU
	<b>F146094730</b>	<b>501</b>



### INDIVIDUAL MARKING ELEMENT

For extending the drilling jig  
for cabinet member F146094730

	Art.-no.	PU
	<b>F146094721</b>	<b>299</b>



### DRILLING JIG FOR CABINET MEMBER

For use with pilot drill bit F146035692

	Art.-no.	PU
	<b>F146101348</b>	<b>507</b>



### DRILLING JIG FOR DRAWER

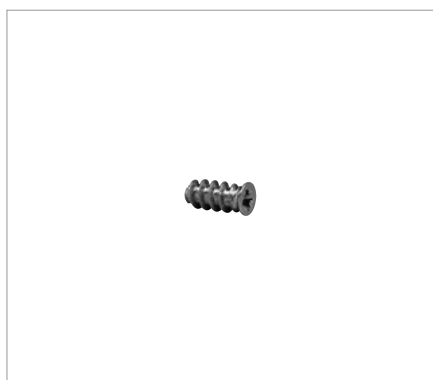
Pre-drilling the holes for:

- Locking coupler
- Hook placement
- 37 mm cabinet member hole
- For use with pilot drill bit F146035692

	Art.-no.	PU
	<b>F146109874</b>	<b>299</b>

### PAGE REFERENCES

Dynamoov Soft-close	50	Dynamoov Tipmatic	54	Technical information	58
Dynamoov Self-close	52	Pull-out shelf	56	Packaging code	75



## EURO SCREW

	Art.-no.	PU
Ø 6.3 x 14 mm Screw head Ø 7 mm	<b>F148115049</b>	147



## SCREWDRIVER

GRASS cross head screwdriver  
(Pozidriv No. 2)

	Art.-no.	PU
	<b>F147010256</b>	001

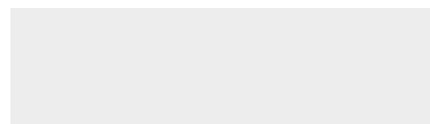
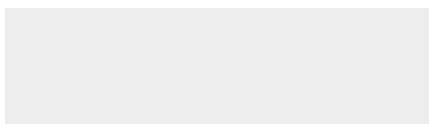
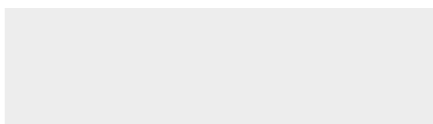


## PILOT DRILL BIT

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

	Art.-no.	PU
Pilot drill bit	<b>F146035692</b>	299

## LEGEND





#### ROLLER SLIDES

The classic standard range  
for domestic and commercial furniture  
with track-proven quality and benefits.

#### **Standard roller slides for a number of furniture applications.**


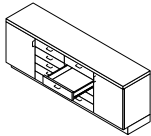

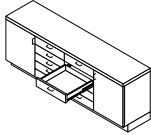
With its wide range of roller slides, GRASS covers a large part of classic furniture construction. Single or full extension drawer slides with different load capacities and sophisticated technical details ensure high quality standards. Silent running, minimum drawer deflection, excellent lateral stability and edge clearance are some of the features of the GRASS slides.





# ROLLER SLIDES

Sturdy single and full extension drawer slides of tried-and-tested quality for demanding specifications.

	Product description		Page
	<b>Single extension drawer slide 30 kg</b> <ul style="list-style-type: none"> <li>• With plastic rollers</li> <li>• Installation width 12.5 mm</li> <li>• Bottom mounting</li> </ul>		64
	<b>Full extension drawer slide 50 kg</b> <ul style="list-style-type: none"> <li>• With plastic rollers</li> <li>• Installation width 12.5 mm</li> <li>• Bottom mounting</li> </ul>		66
	<b>Accessories</b>		68
	<b>Technical information</b>		70
	<b>Assembly aids</b>		72

# ROLLER SLIDES

## Single extension drawer slide 30 kg




- Single extension drawer slide with plastic rollers, 30 kg, installation width 12.5 mm, bottom mounting
- Parallel closing action
- Reliable closing, minimal gap widths
- Bottom edge clearance
- Clearance of screw heads in the cabinet rail
- Double stop
- Secure stop in open state is possible

### Packaging unit (PU):

213 = 25 items in a cardboard box  
223 = 100 items in a cardboard box  
511 = 20 items in PE in a cardboard box

## ORDER INFORMATION

1 Single extension drawer slide 30 kg Set: One left, one right																	
NL	White				Cream white				Brown								
	Art.-no.	PU			Art.-no.	PU			Art.-no.	PU							
250	F080115434	511			F080073981	511			F080073983	213							
300	F080115435	511	223		F080073984	511	223		F080073986	213							
350	F080115436	511			F080073987	511			F080073990	213							
400	F080115437	511	223		F080073991	511	223		F080073993	213							
450	F080115438	511			F080073994	511			F080073996	213							
500	F080115439	511	223		F080073997	511	223		F080073999	213							
550	F080115440	511	223		F080074000	511			F080074002	213							
600	F080115432	511	213		F080074276	511	223		–								
650	F080074280	511	223		F080074279	511			–								
700	F080074282	511	223		F080074281	511	223		–								
750	F080074285	511			F080074284	511			–								
800	F080074287	511			F080074286	511			–								

## PAGE REFERENCES

Accessories	68	Assembly aids	72		
Technical information	70	Packaging code	75		

### INSTALLATION INFORMATION

All dimensions in millimetres

Installation dimensions	NL	AZV 1	AZV 2
	250	90	73
	300	90	73
	350	90	73
	400	90	73
	450	103	86
	500	103	86
	550	118	101
	600	118	101
	650	128	111
	700	138	121
	750	153	136
	800	153	136

Technical drawing of roller slide installation showing dimensions: min. 9, 12.5 +2, min. 15, LWS = LWK - 26, LWK, 6.5, 11, 4, 33.

**Loss of drawer space (AZV) 1:** is the amount of space lost in the not locked position.

**Loss of drawer space (AZV) 2:** is the amount of space lost in the locked position.

Fixing positions for single extension drawer	
<p>Technical drawing of roller slide installation showing dimensions: KV, 32, 37, 9, 12, 14, 2, 35, 6.3, 3.5, 64, 96, 224, 128, 96, 37.</p>	<p>Euro screw Ø 6.3 x 14 mm</p> <p>Chipboard screw Ø 3.5 x 15 mm</p> <p>Screw head Ø 7 mm</p>
<p>Technical drawing of roller slide installation showing dimensions: KV, 250, 300, 350, 400, 450, 500, 550, 600, 650, 700, 750, 800, 128, 128, 128, 128, 96, 128, 37.</p>	

### LEGEND

AZV	Drawer space loss	NL	Nominal length
KV	Front edge of cabinet		
LWK	Inside cabinet width		
LWS	Internal drawer width		

# ROLLER SLIDES

Full extension drawer slide 50 kg




- Full extension drawer slide with plastic rollers, 50 kg, installation width 12.5 mm, bottom mounting
- 30 mm over-extension
- Convenient access
- Control of central rail
- Reliable parallel action
- Safety lock
- Reliable connection between drawer and cabinet
- Bottom edge clearance
- Drawer rail is flush with the bottom corner

## Packaging unit (PU):

507 = 10 items in PE in a cardboard box

## ORDER INFORMATION

1 Full extension drawer slide 50 kg Set: One left, one right																	
NL	White				Cream white												
	Art.-no.	507	PU		Art.-no.	507	PU										
250	F080074520	507			F080074519	507											
300	F080074523	507			F080074522	507											
350	F080074526	507			F080074525	507											
400	F080074529	507			F080074528	507											
450	F080074532	507			F080074531	507											
500	F080074535	507			F080074534	507											
550	F080074538	507			F080074537	507											
600	F080074541	507			F080074540	507											
650	F080074544	507			F080074543	507											
700	F080074546	507			F080074545	507											
750	F080074549	507			F080074548	507											
800	F080074551	507			F080074550	507											



## PAGE REFERENCES

Accessories	68	Assembly aids	72		
Technical information	70	Packaging code	75		

INSTALLATION INFORMATION

All dimensions in millimetres

Installation dimensions

Over-extension

**The critical advantage: better access**  
When the drawer is assembled it can be set to 30 mm over-extension.  
This ensures that the front panel above does not inhibit full access.

NL	UA	
250	10	
300 – 350	15	
400 – 800	30	

Fixing positions for full extension drawer

Legend:

- KV Front edge of cabinet
- LWK Inside cabinet width
- LWS Internal drawer width
- NL Nominal length

LEGEND

KV	Front edge of cabinet	UA	Over-extension
LWK	Inside cabinet width		
LWS	Internal drawer width		
NL	Nominal length		

# ROLLER SLIDES

## Accessories




- Can be retrofitted, easy to install
- Up to a drawer weight of 25 kg on one side and up to an external cabinet width of 600
- On both sides up to a drawer weight of 50 kg
- Tested with 100,000 opening and closing operations
- Suitable for roller slides

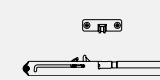
### Packaging unit (PU):

238 = 300 units in a cardboard box

538 = 300 units in PE in a cardboard box

## SOFT-CLOSE FOR ROLLER SYSTEMS

<b>Soft-close for roller systems</b> <b>Set: Damping unit and activator</b> <b>Can be used on left/right</b>				
Description	Art.-no.	PU		
Damping set for wooden drawers	<b>F084101803</b>	<b>538</b>		

<b>Individual components</b>				
Description	Art.-no.	PU		
Damping unit Single item: Can be used on left/right	<b>F084101800</b>	<b>238</b>		
Activator for wooden drawers Single item: Can be used on left/right	<b>F080101802</b>	<b>238</b>		

## PAGE REFERENCES

Single extension slide	64	Technical information	70	Packaging code	75
Full extension slide	66	Assembly aids	72		



## LEGEND

# ROLLER SLIDES

## Technical information

### DRAWER SPACE LOSS

#### Loss of drawer space with single extension drawers

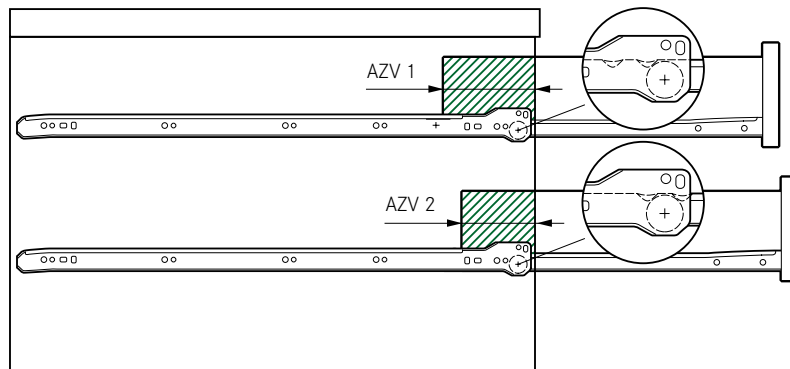
Single extension drawers have two types of loss of drawer space (AZV).

##### AZV 1:

The amount of space lost in the not locked position.

##### AZV 2:

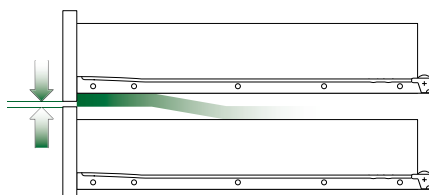
The amount of space lost in the locked position.



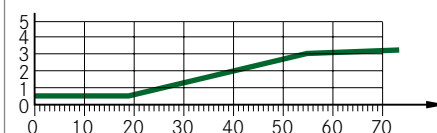
### MINIMUM REVEAL

#### Small minimum reveal

Owing to the parallel closing action it is possible to achieve minimal reveals



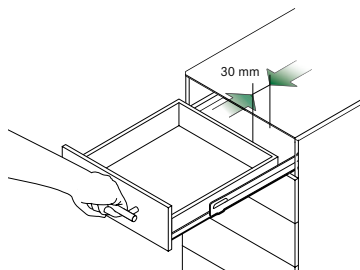
#### Minimum reveal with 19 mm front panel = 0.5 mm



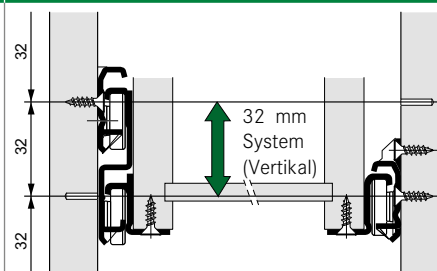
### FULL EXTENSION DRAWER SLIDES

#### Over-extension with full extension drawer slides

The critical advantage: better access.  
When the drawer is assembled it can be set to 30 mm over-extension.  
This ensures that the front panel above does not inhibit full access.



#### Single and full extension drawer slides in the 32 mm system are interchangeable

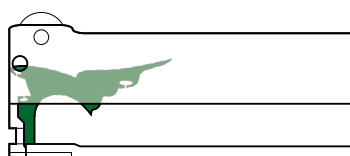


### TWIST-LOCK

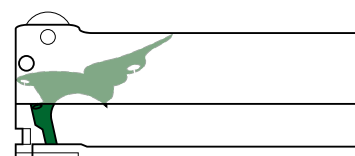
#### Installation advice

- For reliable self-retraction
- For safe carrying capacity of 50 kg
- For convenient drawer insertion and removal

#### Check mounting positions Correct position for inserting drawer



#### Wrong position Insertion of centre rail is not possible.



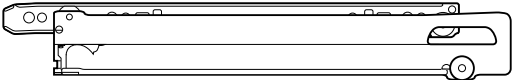
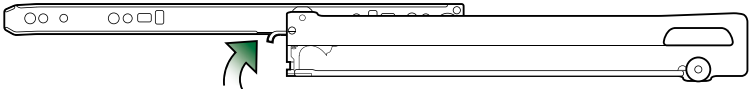
### PAGE REFERENCES

Single extension slide	64
Full extension slide	66


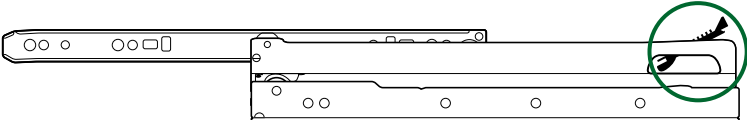
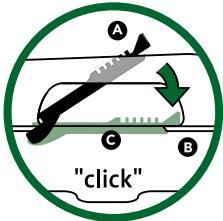
Accessories	68
Assembly aids	72

Packaging code	75
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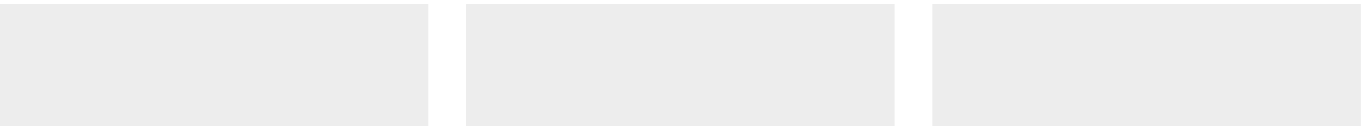
ADJUSTMENTS

<b>Inserting the centre rail.</b> Insert centre rails into the cabinet rails at the very rear at a slight tilt.	<b>Correct position</b> 
	<b>Wrong position</b> 

ADJUSTMENTS

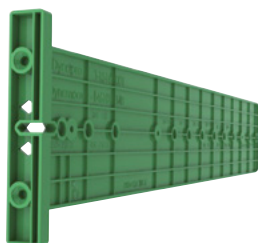
<b>Insertion, securing and removal of drawer</b>	
	
	
	
<b>Inserting the drawer</b> Pull the centre rail out to its stop. Insert drawer over the rollers as horizontally as possible, simultaneously on both sides.	<b>Removing the drawer</b> Pull the drawer out to the stop, lift safety lock at the centre (C) and disengage. Move twist-lock into the insertion position. This makes it possible to insert the centre rail and remove it if required.
<b>Malfunction of twist-lock</b> Any malfunction of the centre rail is automatically corrected by fully extending the drawer.	<b>Safety lock</b> The safety lock prevents accidental removal of the drawer and is a key safety feature.
<b>Inserting the safety locks</b> One pair of black safety locks is supplied with the cabinet slide. Separate safety locks and insert (A) and push into (B) the opening of the centre rail with the drawer fully open – pay attention to the direction of the arrow.	

LEGEND



# ROLLER SLIDES

## Assembly aids



### DRILLING JIG FOR CABINET MEMBER

For use with pilot drill bit F146035692

	Art.-no.	PU
	<b>F146101347</b>	<b>507</b>



### PILOT DRILL BIT

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

	Art.-no.	PU
Pilot drill bit	<b>F146035692</b>	<b>299</b>



### SCREWDRIVER

GRASS cross head screwdriver (Pozidriv No. 2)

	Art.-no.	PU
	<b>F147010256</b>	<b>001</b>

## PAGE REFERENCES

Single extension slide	64
Full extension slide	66

Accessories	68
Technical information	70

Packaging code	75



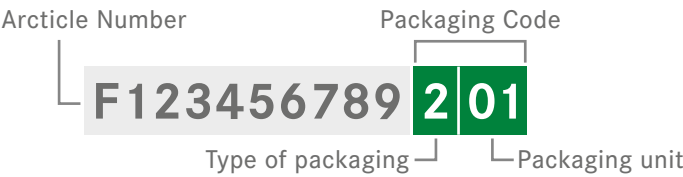


Lined writing area with horizontal lines.



# PACKAGING CODE

Explanation



## TYPE OF PACKAGING

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

## PACKAGING UNIT

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

## QUICK OVERVIEW

Packaging code	Explanation
147	1000 units in PE (bag, film or band)
201	1 unit in a cardboard box
204	5 units in a cardboard box
207	10 units in a cardboard box
208	12 units in a cardboard box
210	15 units in a cardboard box
211	20 units in a cardboard box
212	24 units in a cardboard box
213	25 units in a cardboard box
223	100 units in a cardboard box
233	200 units in a cardboard box
238	300 units in a cardboard box
299	X units in a cardboard box
501	1 unit in PE (bag, film or band) in a cardboard box
507	10 units in PE (bag, film or band) in a cardboard box
511	20 units in PE (bag, film or band) in a cardboard box
513	25 units in PE (bag, film or band) in a cardboard box
517	50 units in PE (bag, film or band) in a cardboard box
533	200 units in PE (bag, film or band) in a cardboard box
538	300 units in PE (bag, film or band) in a cardboard box
607	10 units in a cardboard box in a cardboard box

## TERMS

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



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



[www.grass.eu](http://www.grass.eu)



**FFA**  
FITTINGS FOR AFRICA

*Hein*  
082 553 4502

**HANDLES - KNOBS - SINKS - MIXERS - HINGES**

21 Zune Street  
Magnavia  
Polokwane

Tel: 015 004 0198  
heloenterprises1@gmail.com