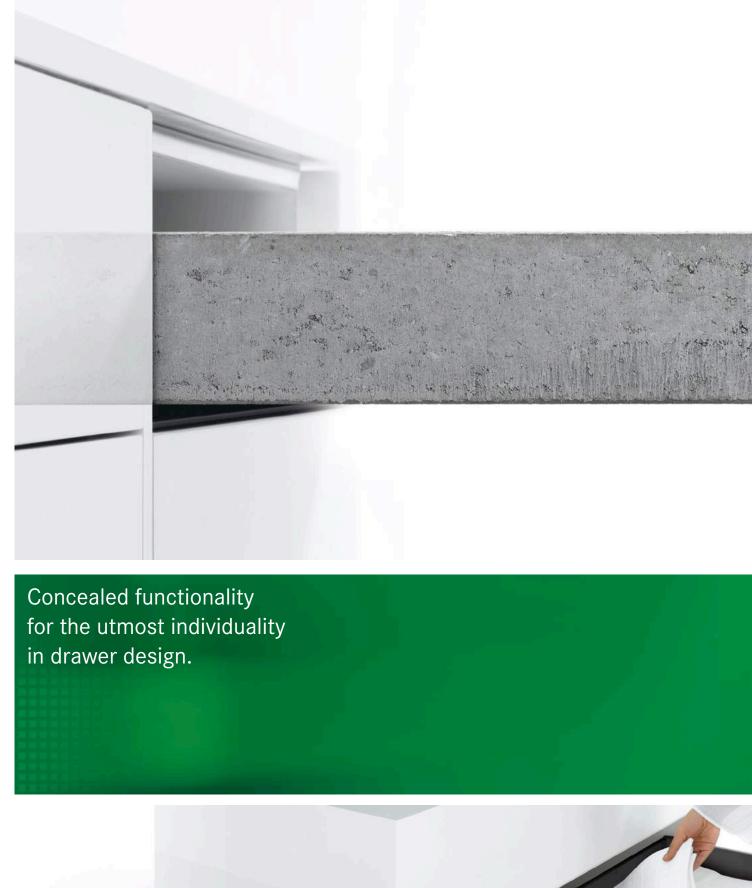


# G\*GRASS®

## **SLIDE** SYSTEMS

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

















red<mark>dot</mark> 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.







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.



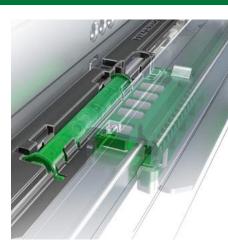
## Synchronisation for excellent running characteristics.

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.



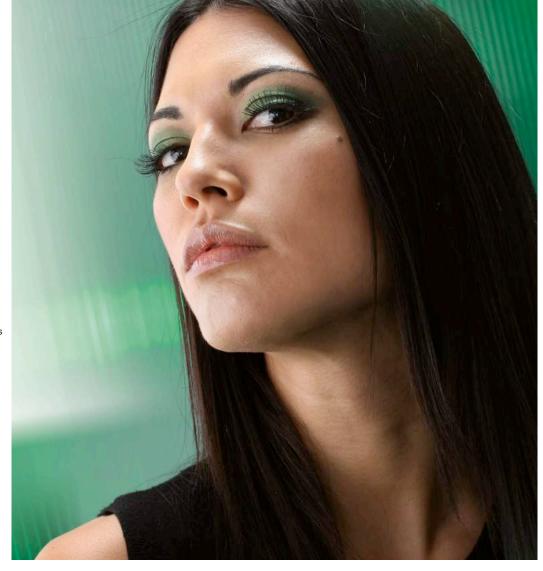
#### TIPMATIC SOFT-CLOSE OPENING SYSTEM

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.





#### 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		
Soft-close damping system		
Self-close closing system	-	
Tipmatic Opening system	-	
Tipmatic Opening system with optional synchronisation		-
Tipmatic Soft-close Opening system		-
Sensomatic opening system		-

## SLIDE SYSTEMS

Concealed slide systems for all applications. Elegant, convenient, concealed and extremely effective.

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





**DYNAPRO** SLIDE SYSTEM

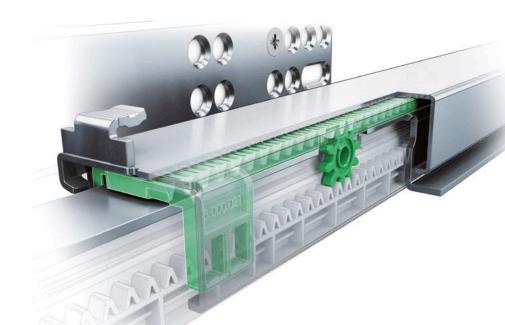
The multitude of special qualities makes Dynapro a unique movement system for individualists.



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
Dynapro full extension slide 40/70 kg Soft-close  • Soft-close damping system  • 4-dimensional adjustment (side, height, tilt angle and depth adjustment)	12
Dynapro full extension slide 40/70 kg Tipmatic Soft-close  Tipmatic Soft-close opening system  4-dimensional adjustment (side, height, tilt angle and depth adjustment)	14
Dynapro full extension slide 40/60 kg Tipmatic  • Tipmatic opening system  • 4-dimensional adjustment (side, height, tilt angle and depth adjustment)	16
Dynapro for base panel mounting and pull-out shelf  Installation on the cabinet base or additional base panel  Shelf holder set	18

Technical information	20
Assembly aids	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 ± 1.5 mm
  - Tilt angle adjustment +4 mm
  - Depth adjustment +3.5 mm

Individual components

Front locking device (1D)

Set: One left, one right Front locking device (2D)

Set: One left, one right Front locking device (3D)

Set: One left, one right Adjustment adapter (1D)

Set: One left, one right

Optional: Depth adjustment (1D) for front locking device (2D) Set: One left, one right

F134108957

Description

#### 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

F134101220

F134108949

F134108946

F134108952

233 517

233

233

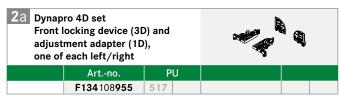
233

#### **ORDER INFORMATION**



NL	Artno.	PU		Artno.	Р	PU	
250	<b>F130</b> 107 <b>790</b>	204	211	-			
270	<b>F130</b> 107 <b>793</b>	204	211	-			
300	<b>F130</b> 107 <b>796</b>	204	211	_			
320	<b>F130</b> 107 <b>799</b>	204	211	-			
350	<b>F130</b> 107 <b>802</b>	204	211	_			
380	<b>F130</b> 107 <b>805</b>	204	211	-			
400	<b>F130</b> 107 <b>808</b>	204	211	_			
420	F130107811	204	211	-			
450	F130107814	204	210	F130107832	204	210	
480	<b>F130</b> 107 <b>817</b>	204	210	-			
500	<b>F130</b> 107 <b>820</b>	204	210	<b>F130</b> 107 <b>838</b>	204	210	
520	<b>F130</b> 107 <b>823</b>	204	210	F130107841	204	210	
550	F130107826	204	210	<b>F130</b> 107 <b>844</b>	204	210	
580	-			<b>F130</b> 107 <b>847</b>	204	208	
600	F130107829	204	208	<b>F130</b> 107 <b>850</b>	204	208	
650	_			<b>F130</b> 107 <b>853</b>	204	208	
700*	_			<b>F130</b> 107 <b>856</b>	204	208	
750*	_			<b>F130</b> 107 <b>859</b>	204	208	

<sup>\*</sup> Load capacity 50 kg



2b Dynapro 3D-Set Front locking device (2D) and adjustment adapter (1D), one of each left/right			
	Artno.	PU	
	F134108956	517	

2C Dynapro 2D set Front locking device (1D) and adjustment adapter (1D), one of each left/right			
	Artno.	PU	
	<b>F134</b> 117 <b>193</b>	517	

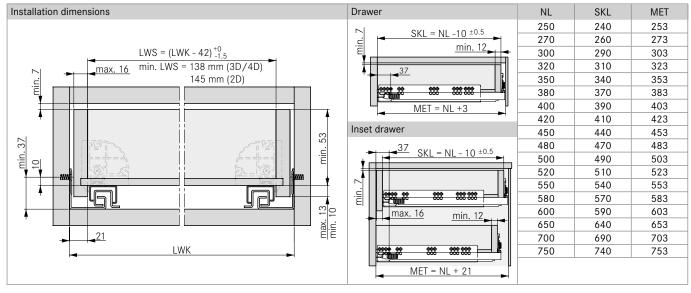
Pull-out shelf	18
Technical information	20

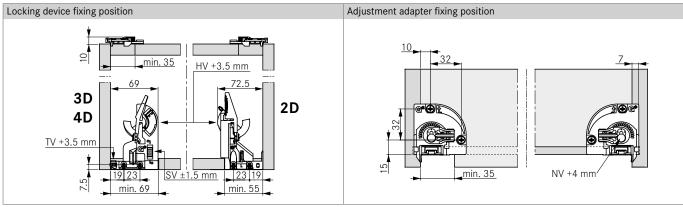
Assembly aids	24
Sensomatic	27

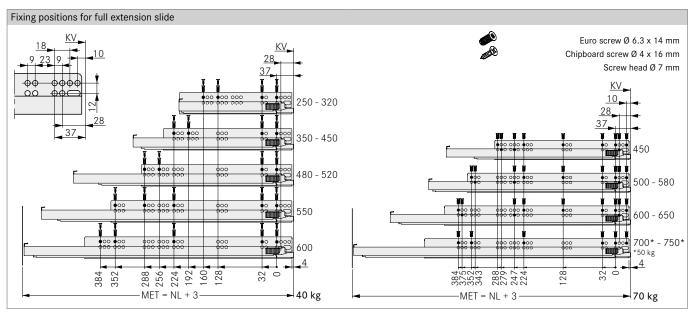
Packaging code	75

#### **PLANNING DIMENSIONS**

#### All dimensions in millimetres







#### **LEGEND**

HV	Height adjustment
KV	Front edge of cabinet
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
TV Depth adjustment

## **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**





				•		
NII	40 kg			70 kg		
NL	Artno.	PU		Artno.	Р	U
270	F130107793	204	211	-		
300	<b>F130</b> 107 <b>796</b>	204	211	_		
320	<b>F130</b> 107 <b>799</b>	204	211	-		
350	F130107802	204	211	_		
380	F130107805	204	211	-		
400	<b>F130</b> 107 <b>808</b>	204	211	_		
420	F130107811	204	211	-		
450	F130107814	204	210	F130107832	204	210
480	<b>F130</b> 107 <b>817</b>	204	210	-		
500	F130107820	204	210	<b>F130</b> 107 <b>838</b>	204	210
520	F130107823	204	210	F130107841	204	210
550	F130107826	204	210	F130107844	204	210
580	-			F130107847	204	208
600	<b>F130</b> 107 <b>829</b>	204	208	F130107850	204	208
650	-			<b>F130</b> 107 <b>853</b>	204	208
700*	-			<b>F130</b> 107 <b>856</b>	204	208
750*	-			<b>F130</b> 107 <b>859</b>	204	208

Single item: For cutting to length			
L	Artno.	PU	
952	F134109410	207	

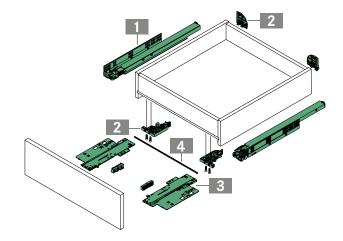
Individual components		
Description	Artno.	PU
Dynapro Tipmatic Soft-close unit Set: One left, one right	F134109324	213
Dynapro Tipmatic Soft-close activator Set: One left, one right	F134109325	223
Front locking device (1D) Set: One left, one right	<b>F134</b> 101 <b>220</b>	233 517
Front locking device (2D) Set: One left, one right	<b>F134</b> 108 <b>949</b>	233
Adjustment adapter (1D) Set: One left, one right	F134108952	233

<sup>\*</sup> Load capacity 50 kg



Dynapro 2D set Front locking device (1D) and adjustment adapter (1D), one of each left/right		•				
	Artno.	Р	U			
	F134117193 517					

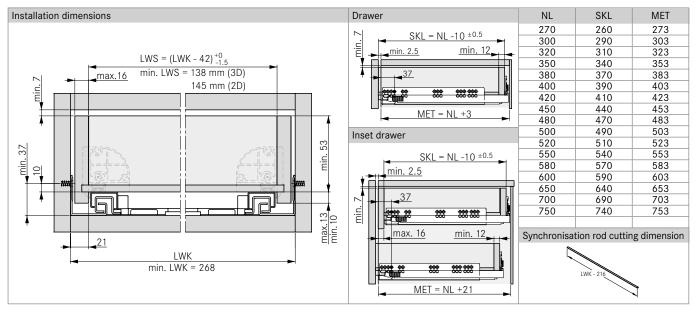
Set: U	3 Dynapro Tipmatic Soft-close Set: Unit and activator, one of each left/right		The state of the s	Ž
	Artno.	PU		
	F134109323	607		

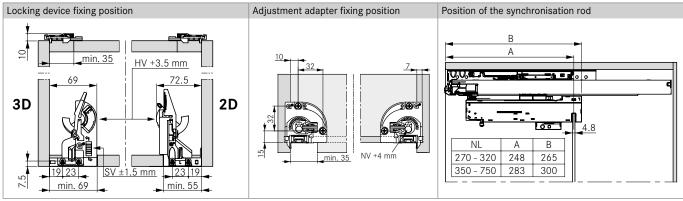


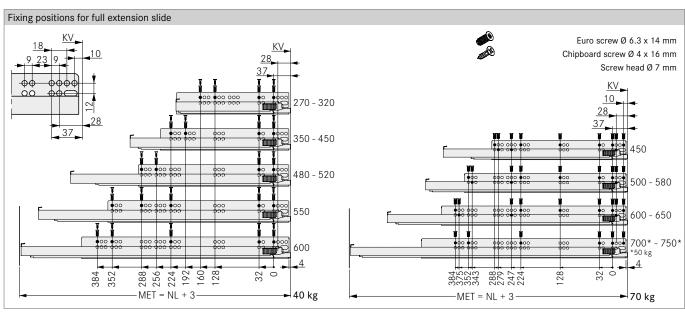
Pull-out shelf	18	Assembly aids	24	
Technical information	20	Packaging code	75	

#### **PLANNING DIMENSIONS**

#### All dimensions in millimetres







#### **LEGEND**

HV	Height adjustment
KV	Front edge of cabinet
1	Longth

L Length
LWK Inside cabinet width

LWS Internal drawer width
MET Minimum installation depth
NL Nominal length

Tilt angle adjustment

NV

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 ± 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

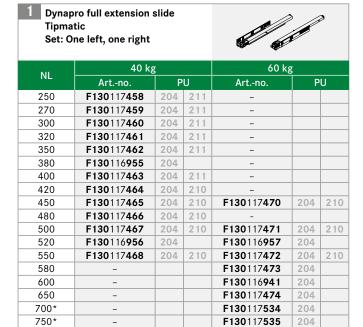
211 = 20 units in a cardboard box

212 = 24 units in a cardboard box

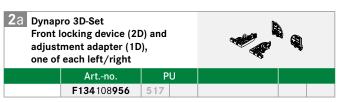
233 = 200 units in a cardboard box

517 = 50 units in PE in a cardboard box

#### **ORDER INFORMATION**



Load	capacity	50	kg	
	Load	Load capacity	Load capacity 50	Load capacity 50 kg

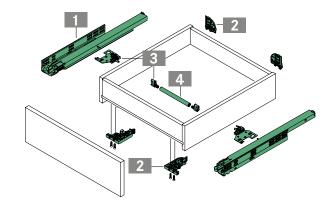


2b Dynapro 2D set Front locking device (1D) and adjustment adapter (1D), one of each left/right					
	Artno.	Р	U		
	F134117193	517			

Set: S	ronisation unit ynchronisation mo ynchronisation leve each left/right			
	40 kg	60 kg	3	
	Artno.	PU	Artno.	PU
	F134117475	517	F134117476	517

4 Synchronisation rod Single item: For cutting to length			
L	Artno.	PU	
981	<b>F134</b> 116 <b>947</b>	207 211	

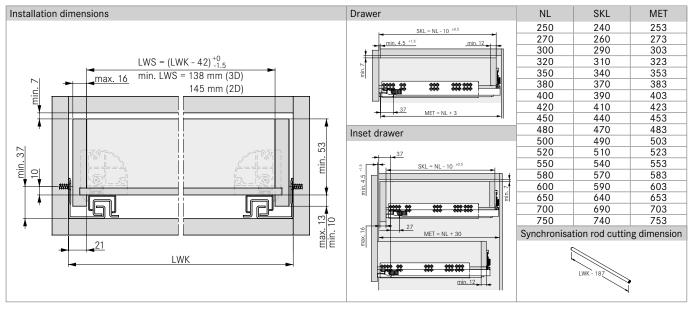
Individual components	. 2000	
Description	Artno.	PU
Synchronisation module, 40 kg Set: One left, one right	F134117114	212
Synchronisation module, 60 kg Set: One left, one right	F134117115	212
Synchronisation lever Single item: Can be used on left/right	F134125079	233
Front locking device (1D) Set: One left, one right	F134101220	233 517
Front locking device (2D) Set: One left, one right	<b>F134</b> 108 <b>949</b>	233
Adjustment adapter (1D) Set: One left, one right	<b>F134</b> 108 <b>952</b>	233

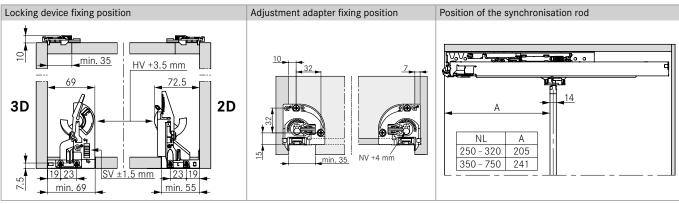


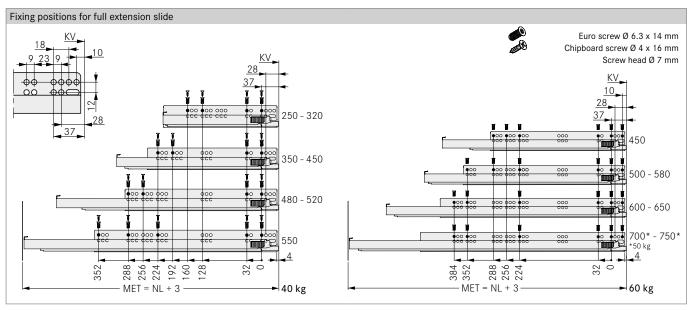
Pull-out shelf	18	Assembly aids	24	
Technical information	20	Packaging code	75	

#### **PLANNING DIMENSIONS**

#### All dimensions in millimetres







#### **LEGEND**

HV	Height adjustment
KV	Front edge of cabinet
1	Length

L Length
LWK Inside cabinet width

LWS Internal drawer width
MET Minimum installation depth
NL Nominal length

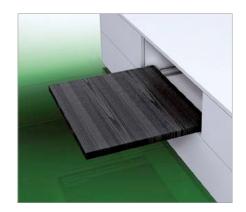
Tilt angle adjustment

NV

SKL Length of drawer SV Side 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)

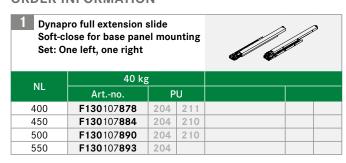
#### Shelf holder set for shelves:

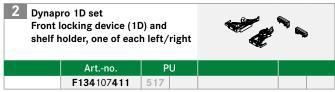
- Height adjustment +3.5 mm
- Optional depth adjustment +3.5 mm
- Stepless shelf self-locking
- Compatible with all Dynapro slides

#### Packaging unit (PU):

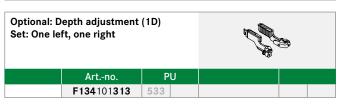
- 204 = 5 units in a cardboard box
- 210 = 15 units in cardboard box
- 211 = 20 units in cardboard box 233 = 200 units in a cardboard box
- 517 = 50 units in PE in a cardboard box
- 533 = 200 units in PE in a cardboard box

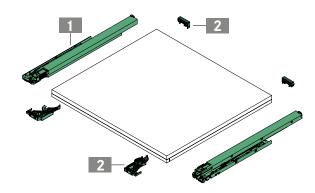
#### **ORDER INFORMATION**





Individual components			
Description	Artno.	Р	U
Front locking device (1D) Set: One left, one right	F134101220	517	233
Shelf holder Set: One left, one right	F134101305	533	





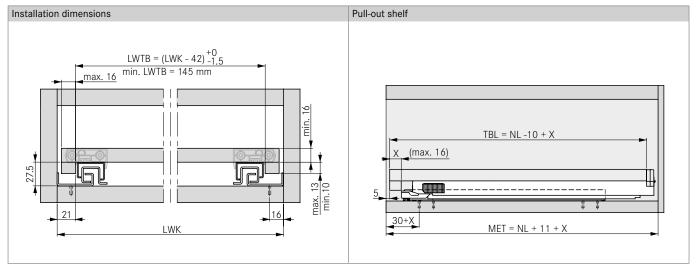
Dynapro Soft-close	12
Dynapro Tipmatic Soft-close	14

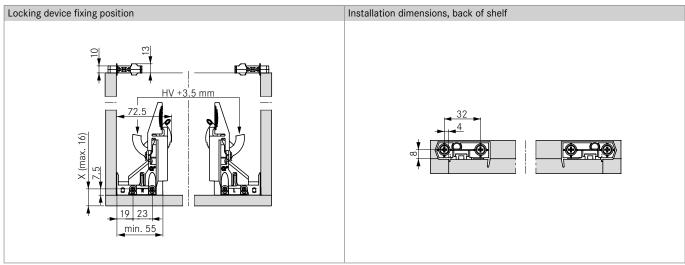
Dynapro Tipmatic	16
Technical information	20

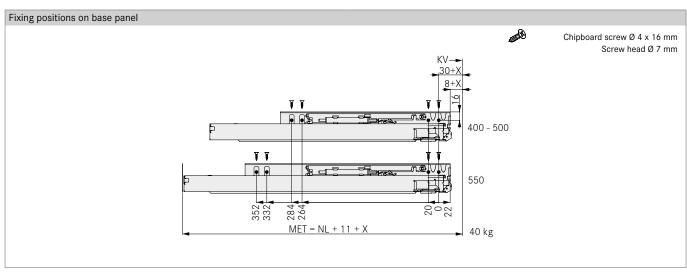
Assembly aids	24
Packaging code	75

#### **INSTALLATION INFORMATION**

All dimensions in millimetres







#### LEGEND

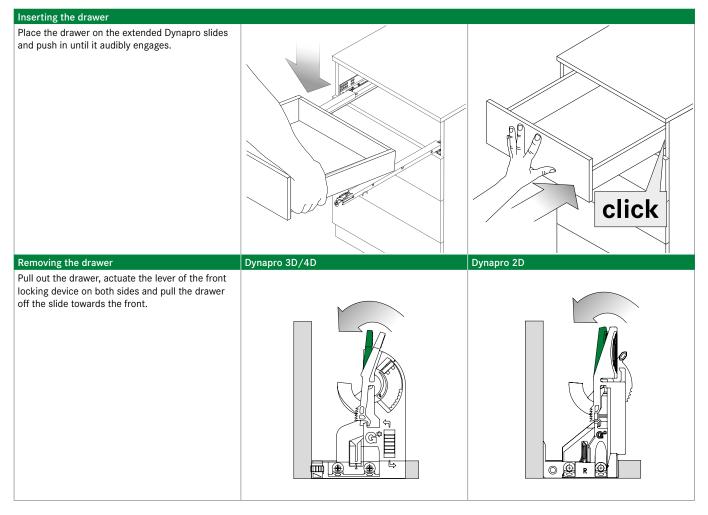
HV	Height adjustment
LWK	Inside cabinet width
LWTB	Clear shelf width
MET	Minimum installation depth

NL Nominal length TBL Shelf length

## **DYNAPRO**

### **Technical information**

#### **INSTALLATION INFORMATION**



#### **NOTES**

Fixing the cabinet rails:

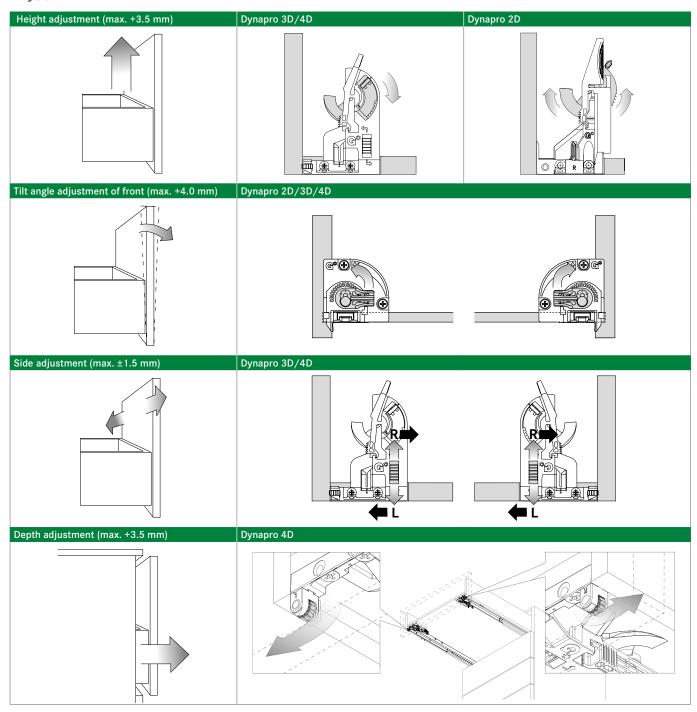
The screw recommendations are guide values only. Screw head Ø 7 mm. Assemblers must ensure that the substrate material is thick enough.

Dynapro Soft-close	12
Dynapro Tipmatic Soft-close	14

Dynapro Tipmatic	16
Pull-out shelf	18

Assembly aids	24
Sensomatic	27

#### **ADJUSTMENT**

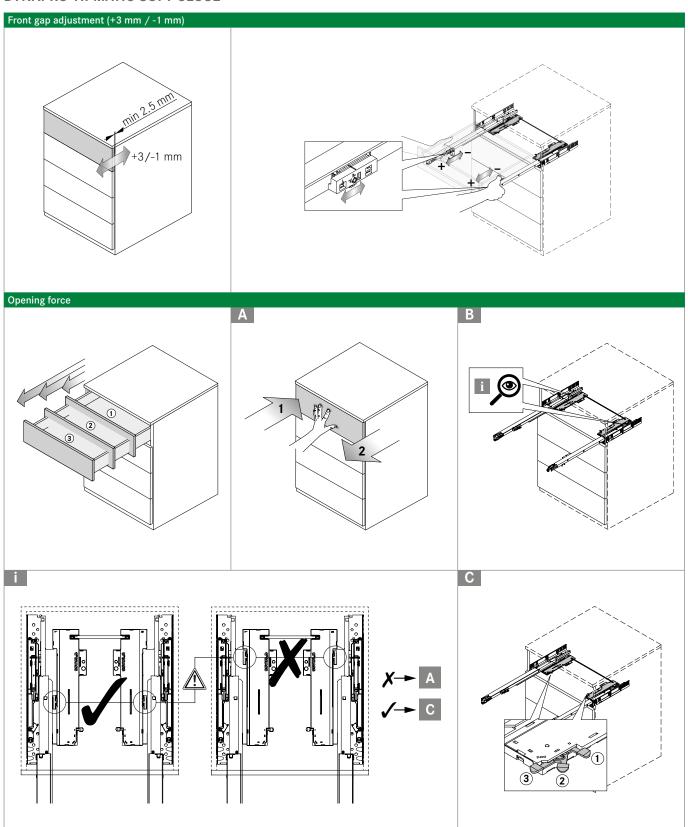


#### **LEGEND**

## **DYNAPRO**

## Technical information

#### **DYNAPRO TIPMATIC SOFT-CLOSE**

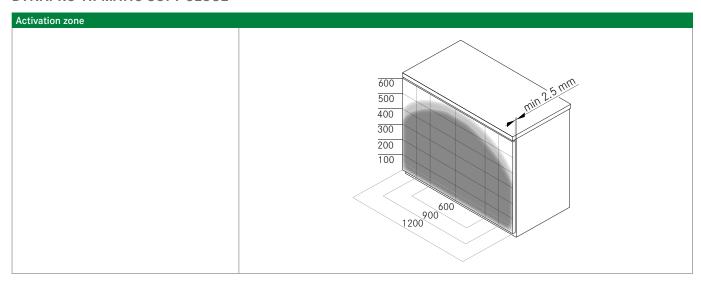


Dynapro Soft-close	12
Dynapro Tipmatic Soft-close	14

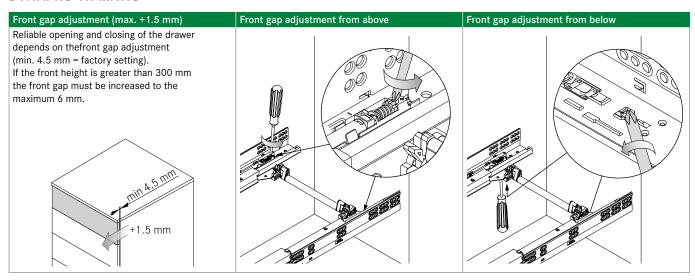
Dynapro Tipmatic	16
Pull-out shelf	18

Assembly aids	24
Sensomatic	27

#### **DYNAPRO TIPMATIC SOFT-CLOSE**



#### **DYNAPRO TIPMATIC**



#### **LEGEND**

## **DYNAPRO**

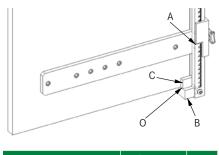
## Assembly aids



## DRILLING JIG FOR CABINET MEMBER

One set includes:

- Guide rule (1x)
- Marking elements (4x)
- Stop plates B + C (1 each)
- A. Reading edge = centre of holes
- B. Stop plate for loose cabinet parts
- C. Stop plate for assembled cabinet
- O. Zero scale position



Artno.	PU	
F146094730	501	



#### INDIVIDUAL MARKING ELEMENT

For extending the drilling jig for cabinet member F146094730

Artno.	PU
F146094721	299



## DRILLING JIG FOR CABINET MEMBER

For use with pilot drill bit F146035692

Artno.	PU
F146101348	507



#### **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

Artno.	PU
F146109874	299

Dynapro Soft-close	12
Dynapro Tipmatic Soft-close	14

Dynapro Tipmatic	16
Pull-out shelf	18

Technical information	20
Sensomatic	27



#### **EURO SCREW**

	Artno.	PU
Ø 6.3 x 14 mm Screw head Ø 7 mm	<b>F148</b> 115 <b>049</b>	147



#### **SCREWDRIVER**

GRASS cross head screwdriver (Pozidriv No. 2)

Artno.	PU
F147010256	001



#### PILOT DRILL BIT

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

	Artno.	PU
Pilot drill bit	F146035692	299
Spare drill bit Ø 2.7 mm	F146090561	299



#### **DRILLING JIG FOR SENSOMATIC**

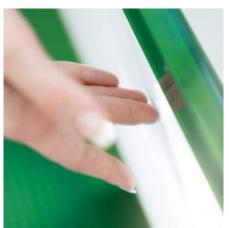
For pre-drilling the holes for fixing brackets at the assembled cabinet or loose bottom or top panel, for the Sensomatic system

Artno.	PU
F146109850	200

#### **LEGEND**







**SENSOMATIC** OPENING SYSTEM

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



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.

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	

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

Product description	Page
Dynapro Sensomatic single set  Complete set for a single drawer  For cabinet widths of up to 1200 mm  Easy to install  Very simple wiring (plug and play)	30
Standard cabinet with horizontal wooden stretcher  • Minimal additional space requirement between drawer back panel and cabinet  • Very simple wiring (plug and play)  • Just one drive unit for cabinet widths of up to 1200 mm  • Large trigger range	32
Standard cabinet with vertical wooden stretcher  • Minimal additional space requirement between drawer back panel and cabinet  • Very simple wiring (plug and play)  • Just one drive unit for cabinet widths of up to 1200 mm  • Large trigger range	34
Single drawer with overhead frame set mounting  • Minimal additional space requirement between drawer back panel and cabinet  • Very simple wiring (plug and play)  • Just one drive unit for cabinet widths of up to 1200 mm  • Large trigger range	36

Product description	Page
Single drawer with back panel frame set mounting  • Minimal additional space requirement between drawer back panel and cabinet  • Very simple wiring (plug and play)  • Just one drive unit for cabinet widths of up to 1200 mm  • Large trigger range	38
Sink cabinet with bottom panel frame set mounting  • Minimal additional space requirement between drawer back panel and cabinet  • Very simple wiring (plug and play)  • Just one drive unit for cabinet widths of up to 1200 mm  • Large trigger range	40
Sink cabinet with side panel frame set mounting  • Minimal additional space requirement between drawer back panel and cabinet  • Very simple wiring (plug and play)  • Just one drive unit for cabinet widths of up to 1200 mm  • Large trigger range	42

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:

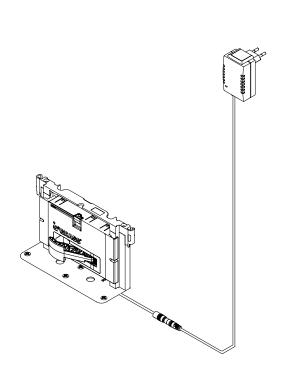
Sets for other countries available on request

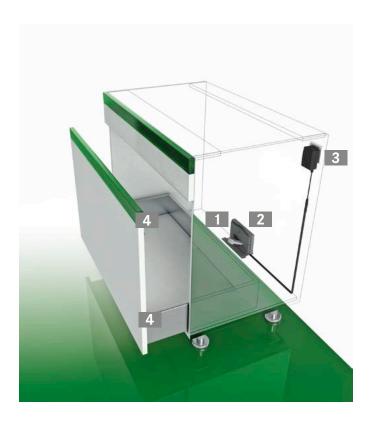
#### **ORDER INFORMATION**

Sensomatic single set		Ť
	Artno.	PU
for Dynapro	F121101208	201

#### 1 set includes:

- 1 drive unit (1x)
- 2 installation set (1x)
- 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)

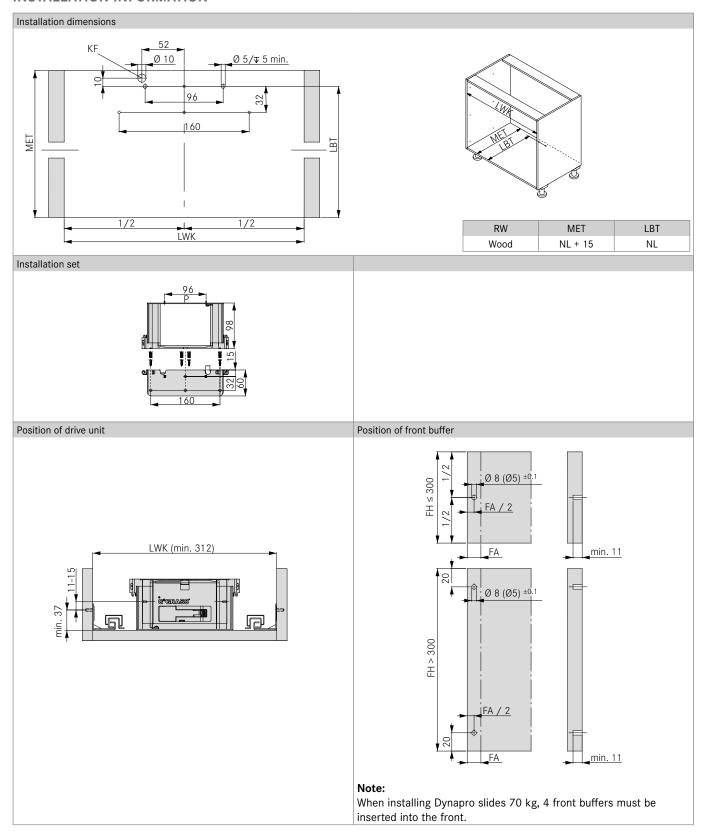




Dynapro Soft-close	12
Technical information	25

Installation instructions	44	
Packaging code	75	

#### **INSTALLATION INFORMATION**



#### **LEGEND**

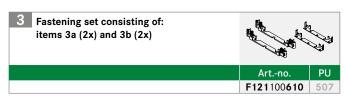
FA	Front overlay	LWK	Inside cabinet width	RV	N	Back panel
FH	Height of front	MET	Minimum installation depth			
KF	Cable routing	NL	Nominal length			
LBT	Depth of hole pattern	Р	Positioning aid			

Standard cabinet horizontal wooden stretcher

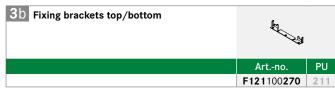
#### **ORDER INFORMATION**

1 Drive unit		
	Artno.	PU
for Dynapro	<b>F121</b> 101 <b>195</b>	607

Frame sides including frame side cable		
Length	Artno.	PU
653	F121100284	207
750	F121100285	207
1170	F121100286	207



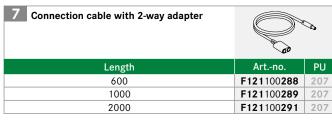


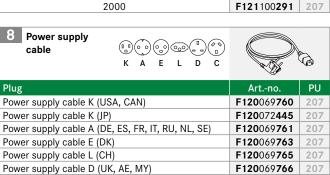


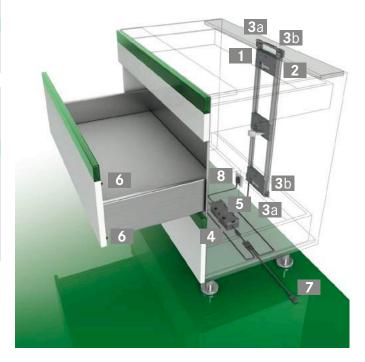
4 Power supply unit		
	Artno.	PU
	<b>F121</b> 100 <b>269</b>	607

5 Power supply unit holder	The state of the s	}
	Artno.	PU
	F121100604	507

6 Front buffer, spring-loade	O Designation of the second		
Ø	Artno.	PU	
E	2.2	F121100294	223
5 3		F121100295	223
0	F121100297	223	
8	3	F121100298	223







#### **PAGE REFERENCES**

Mains cable C (AU, NZ)

without plug

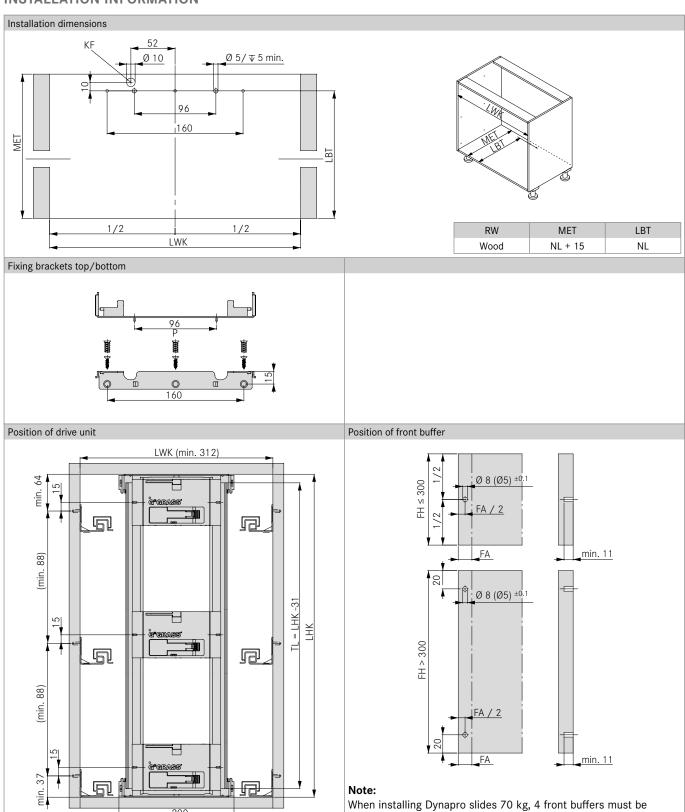
Dynapro Soft-close	12	Installation instructions	44
Technical information	25	Packaging code	75

F120078669

**F120**069**767** 

207

#### **INSTALLATION INFORMATION**



#### **LEGEND**

FA	Front overlay	LHK	Inside cabinet height	F	P	Positioning aid
FH	Height of front	LWK	Inside cabinet width	F	RW	Back panel
KF	Cable routing	MET	Minimum installation depth	1	TL	Length of frame side
LBT	Depth of hole pattern	NL	Nominal length			

inserted into the front.

200

Standard cabinet vertical wooden stretcher

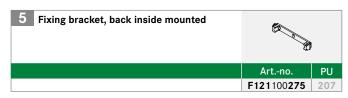
#### **ORDER INFORMATION**

1 Drive unit		
	Artno.	PU
for Dynapro	<b>F121</b> 101 <b>195</b>	607

Frame sides including frame side cable		
Length	Artno.	PU
653	F121100284	207
750	F121100285	207
1170	F121100286	207

3 Frame connector		j
	Artno.	PU
	F121100282	211

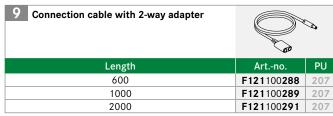
4 Fixing brackets top/bottom	File Control of the C	
	Artno.	PU
	F121100270	211

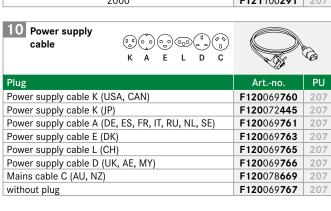


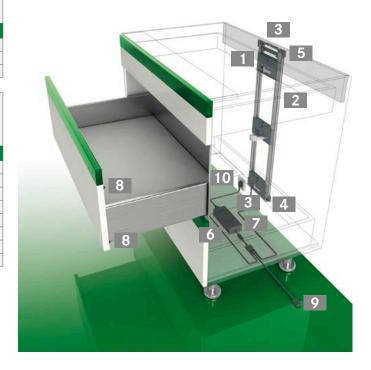
6 Power supply unit		
	Artno.	PU
	F121100269	607

7 Power supply unit holder		ß
	Artno.	PU
	F121100604	507

8 Front buffer, spring-loade	ed		
Ø	Front gap	Artno.	PU
E	2.2	F121100294	223
5	3	F121100295	223
0	2.2	F121100297	223
8	3	F121100298	223

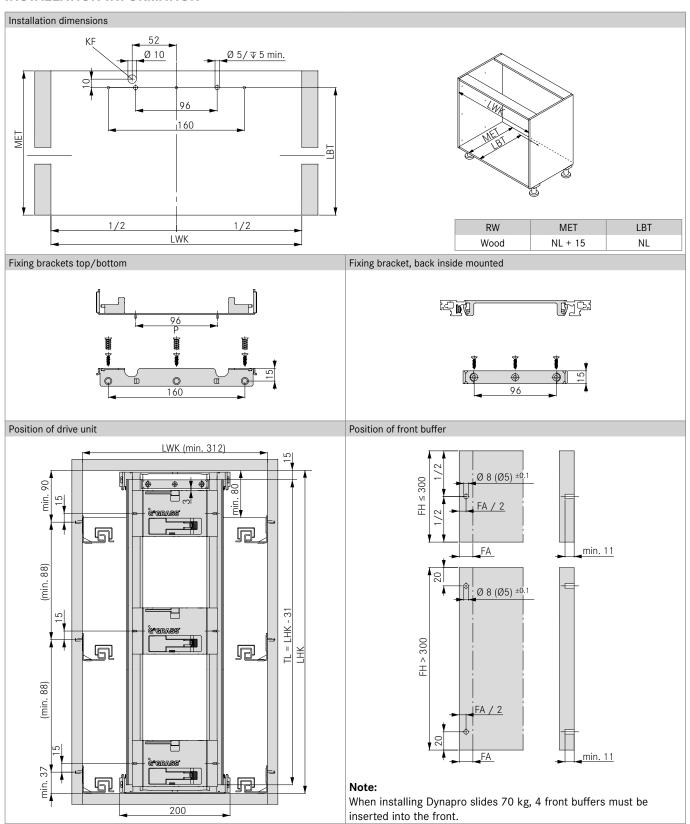






ynapro Soft-close	12	Installation instructions	44
Technical information	25	Packaging code	75

#### **INSTALLATION INFORMATION**



#### **LEGEND**

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

Single drawer with overhead frame set mounting

#### **ORDER INFORMATION**

1 Drive unit		
	Artno.	PU
for Dynapro	F121101195	607

3 Power supply unit		<b>≫</b>
	Artno.	PU
	F121100269	607

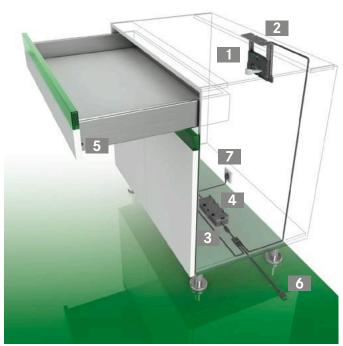
5 Front buffer, spring-loade	d		
Ø	Front gap	Artno.	PU
5	2.2	F121100294	223
5	3	F121100295	223
8	2.2	F121100297	223
6	3	F121100298	223



2 Installation set		
	Artno.	PU
	F121100273	207

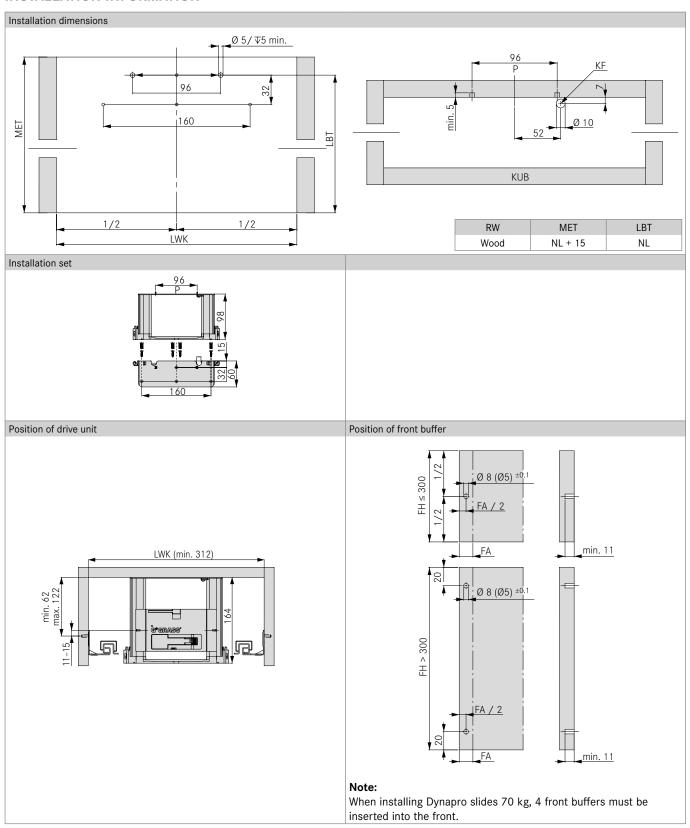
4 Power supply unit holder		}
	Artno.	PU
	F121100604	507

6 Connection cable with 2-way adapter		<b>A</b>
Length	Artno.	PU
600	F121100288	207
1000	F121100289	207
2000	F121100291	207



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

#### **INSTALLATION INFORMATION**



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

### **DYNAPRO SENSOMATIC**

Single drawer with back panel frame set mounting

#### **ORDER INFORMATION**

1 Drive unit		
	Artno.	PU
for Dynapro	F121101195	607

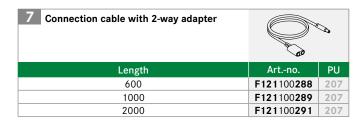
3 Frame connector		j
	Artno.	PU
	F121100282	211

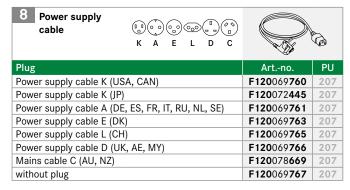
5 Power supply unit holder		
	Artno.	PU
	F121100604	507

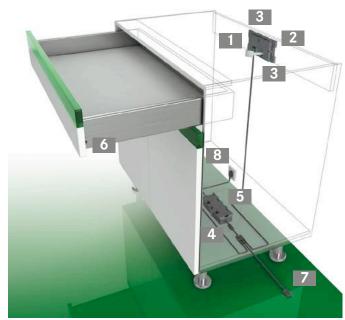
Frame sides for back panel frame set mounting including hole drilling		
	Artno.	PU
	F121100283	207

4 Power supply unit		<b>≫</b>
	Artno.	PU
	F121100269	607

6 Front buffer, spring-loade	ed		
Ø	Front gap	Artno.	PU
E	2.2	F121100294	223
5	3	F121100295	223
0	2.2	F121100297	223
8	2	E121100209	222

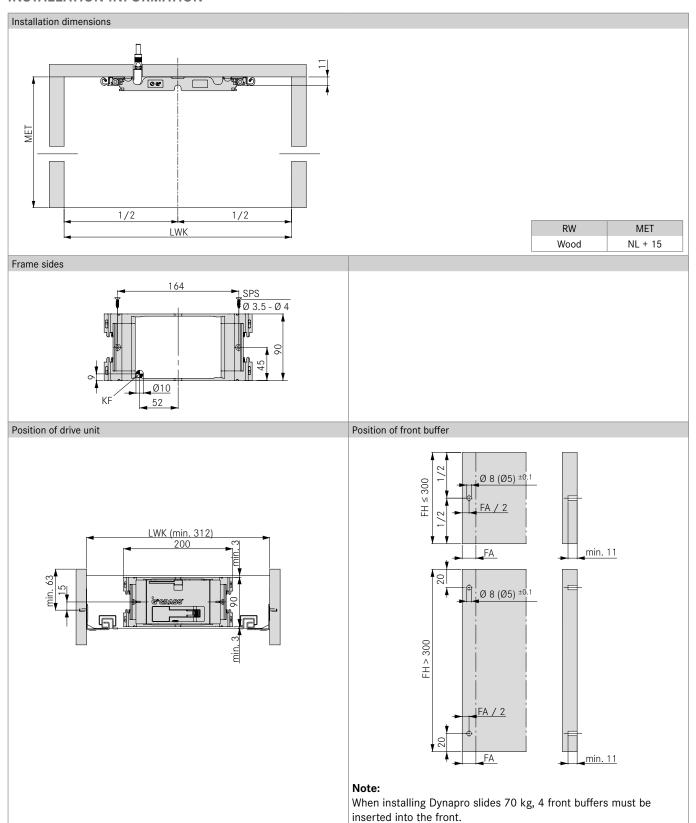






Dynapro Soft-close	12	Installation instructions	44	
Technical information	25	Packaging code	75	

#### **INSTALLATION INFORMATION**



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

# **DYNAPRO SENSOMATIC**

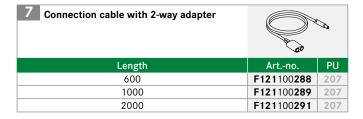
Sink cabinet with bottom panel frame set mounting

#### **ORDER INFORMATION**

1 Drive unit		
	Artno.	PU
for Dynapro	F121101195	607

3 Power supply unit		<b>₽</b>
	Artno.	PU
	<b>F121</b> 100 <b>269</b>	607

5 Front buffer, spring-loade	ed		
Ø	Front gap	Artno.	PU
_	2.2	F121100294	223
5	3	F121100295	223
0	2.2	F121100297	223
8	3	F121100298	223

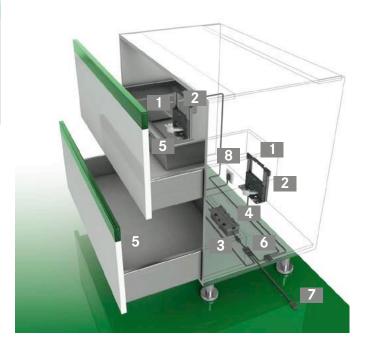


Power supply cable    Compare the compare		Ğ
Plug	Artno.	PU
Power supply cable K (USA, CAN)	F120069760	207
Power supply cable K (JP)	F120072445	207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	F120069761	207
Power supply cable E (DK)	F120069763	207
Power supply cable L (CH)	F120069765	207
Power supply cable D (UK, AE, MY)	F120069766	207
Mains cable C (AU, NZ)	F120078669	207
without plug	<b>F120</b> 069 <b>767</b>	207

2 Installation set		
	Artno.	PU
	F121100273	207

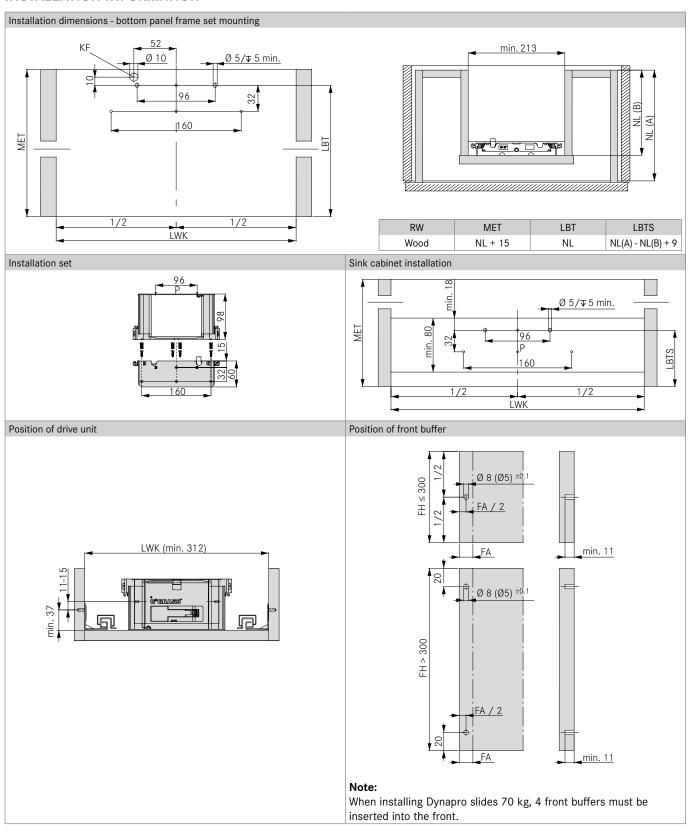
4 Power supply unit holder		
	Artno.	PU
	F121100604	507

6 4-way adapter		
	Artno.	PU
	F121100293	207



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

#### **INSTALLATION INFORMATION**



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

# **DYNAPRO SENSOMATIC**

Sink cabinet with side panel frame set mounting

#### **ORDER INFORMATION**

1 Drive unit		
	Artno. P	U
for Dynapro	F121101195 60	)7

3 Power supply unit		
	Artno.	PU
	F121100269	607

5 Front buffer, spring-loade	ed		
Ø	Front gap	Artno.	PU
E	2.2	F121100294	223
5	3	F121100295	223
0	2.2	F121100297	223
8	3	F121100298	223

7 4-way adapter		
	Artno.	PU
	F121100293	207

Power supply cable    (1	
Plug	Artno. PU
Power supply cable K (USA, CAN)	<b>F120</b> 069 <b>760</b> 207
Power supply cable K (JP)	F120072445 207
Power supply cable A (DE, ES, FR, IT, RU, NL, SE)	<b>F120</b> 069 <b>761</b> 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	<b>F120</b> 069 <b>767</b> 207

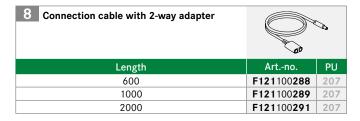
#### **NOTE**

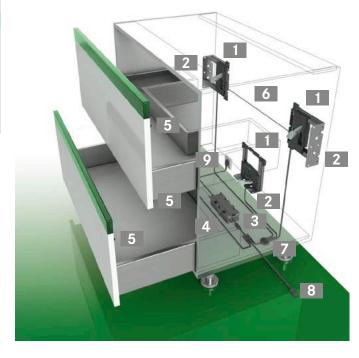
Suitable from NL 350



4 Power supply unit holder		
	Artno.	PU
	F121100604	507

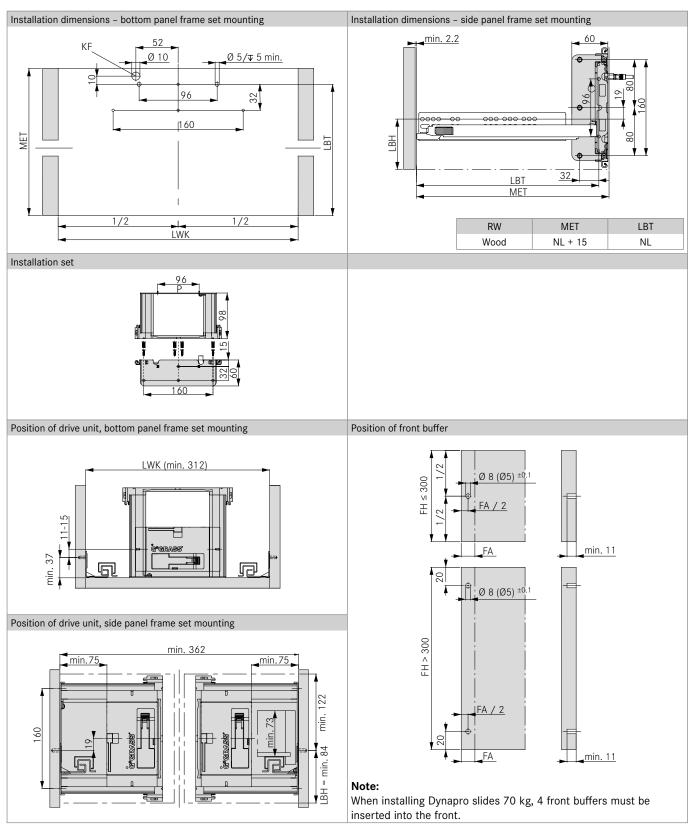
6 Synchronisation cable 10 m		⋋
	Artno.	PU
	F121100287	207





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

#### **INSTALLATION INFORMATION**

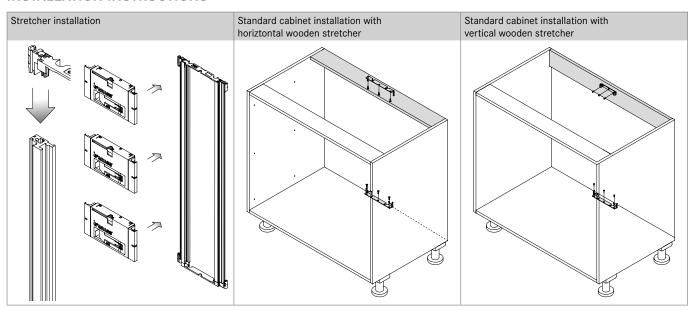


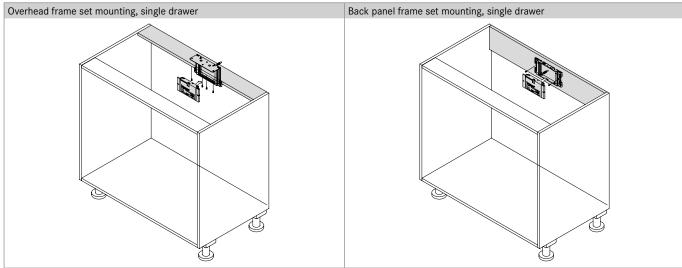
FA	Front overlay	LBT	Depth of hole pattern	Р	Positioning aid
FH	Height of front	LWK	Inside cabinet width	RW	Back panel
KF	Cable routing	MET	Minimum installation depth		
LBH	Height of hole pattern	NL	Nominal length		

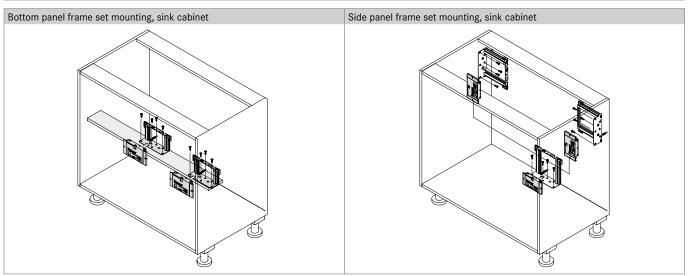
# **DYNAPRO SENSOMATIC**

Installation instructions

#### **INSTALLATION INSTRUCTIONS**

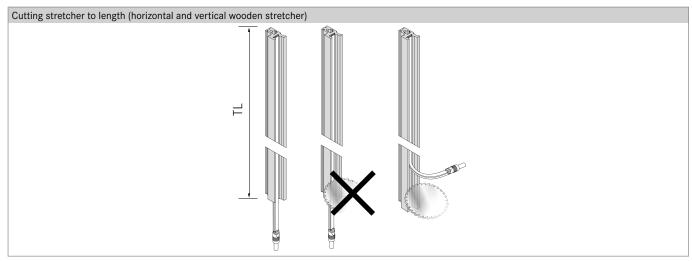


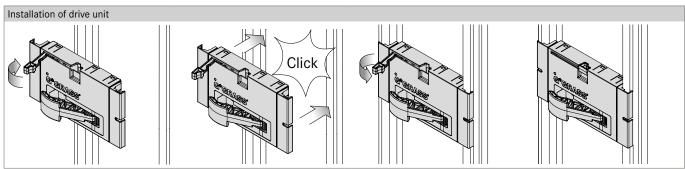


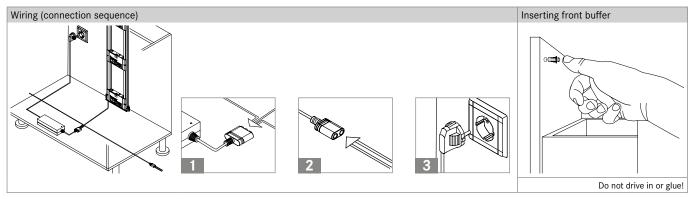


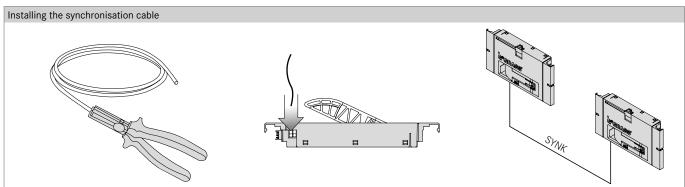
Horizontal wooden stretcher	32	Overhead frame set mounting	36	Bottom panel frame set mounting	40
Vertical wooden stretcher	34	Back panel frame set mounting	38	Side panel frame set mounting	42

#### **INSTALLATION INSTRUCTIONS**









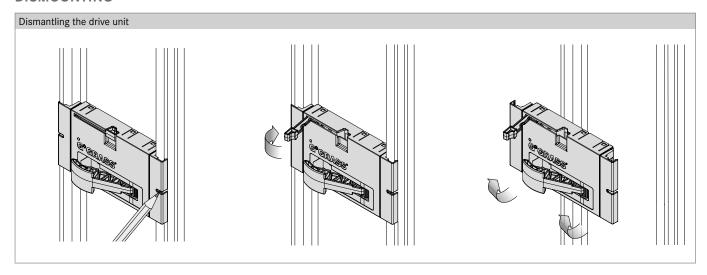
#### **LEGEND**

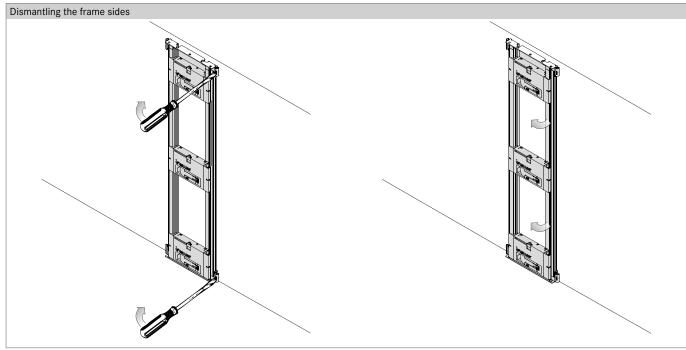
SYNK Synchronisation cable TL Length of frame side

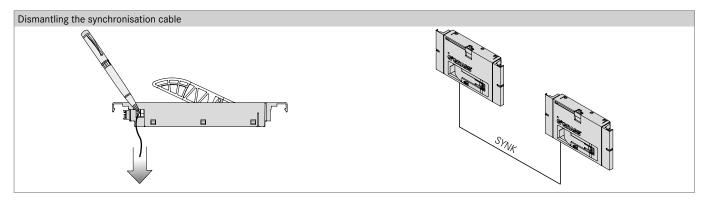
# **DYNAPRO SENSOMATIC**

Dismantling instructions

#### **DISMOUNTING**





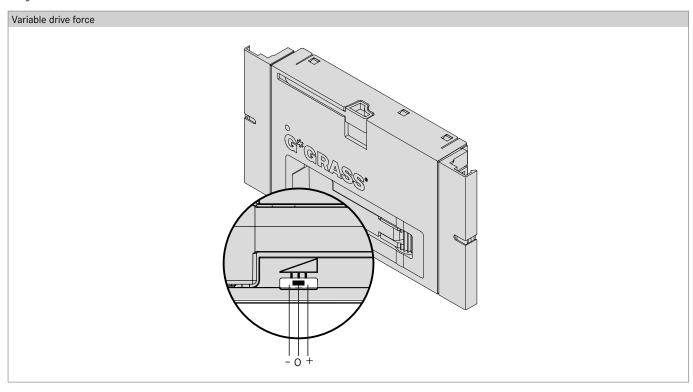


Horizontal wooden stretcher	32
Vertical wooden stretcher	34

Overhead frame set mounting	36
Back panel frame set mounting	38

Bottom panel frame set mounting	40
Side panel frame set mounting	42

#### **ADJUSTMENT**



#### **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. • Drive unit 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

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.





# **DYNAMOOV** SLIDE SYSTEM

The highly efficient movement system for the future.

Product description	Page
Dynamoov full extension slide 30 kg Soft-close  • Soft-close damping system  • Integrated height adjustment without tools + 3.5 mm	50
Dynamoov full extension slide 30 kg Self-close  • Self-close closing system  • Integrated height adjustment without tools + 3.5 mm	52
Dynamoov full extension slide 30 kg Tipmatic  • Tipmatic opening system  • Integrated height adjustment without tools + 3.5 mm  • Integrated front gap adjustment + 2 mm	54
Dynamoov for base panel mounting and pull-out shelf Installation on the cabinet base or additional base panel Shelf holder set	56

Technical information	58
Assembly aids	60

### **DYNAMOOV SOFT-CLOSE**

Full extension slide 30 kg

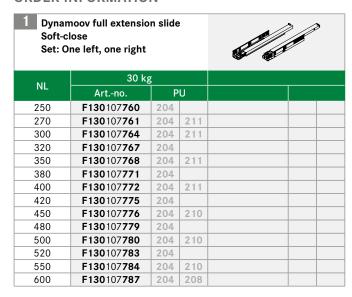


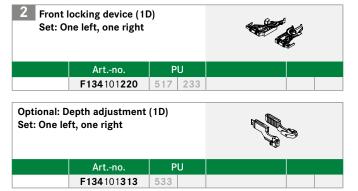
- Excellent running characteristics
- · Fully synchronised slide technology
- Soft-close damping system
- Stepless self-locking of the drawer when placed on the slide
- Integrated height adjustment, tool-free +3.5 mm
- Optional depth adjustment +3.5 mm

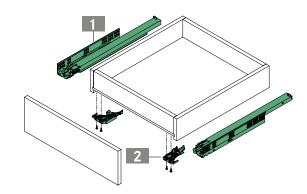
#### Packaging unit (PU):

- 204 = 5 units in a cardboard box
- 208 = 12 units in a cardboard box
- 210 = 15 units in 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**



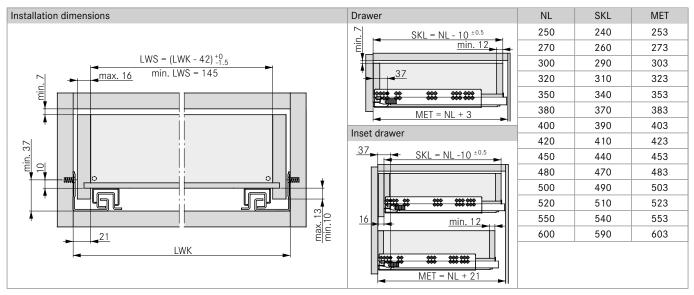


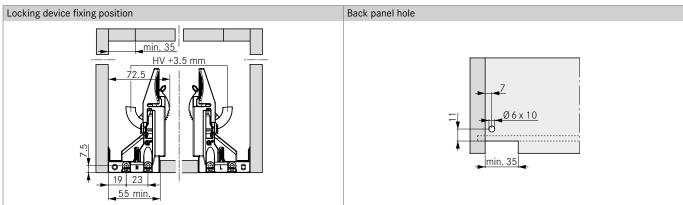


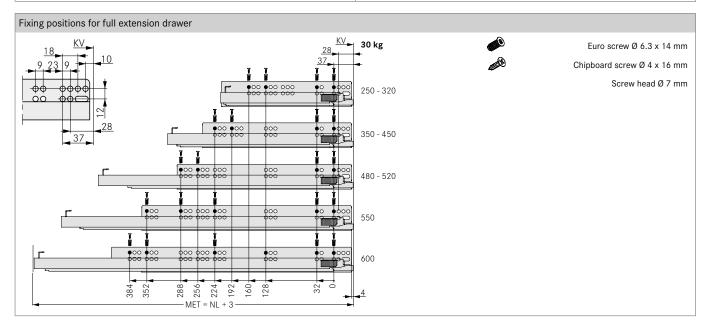
Pull-out shelf	56	Assembly aids	60	
Technical information	58	Packaging code	75	

#### **PLANNING DIMENSIONS**

#### All dimensions in millimetres







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

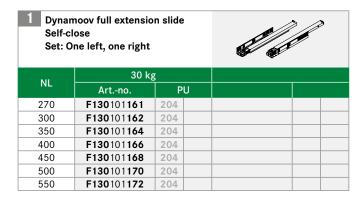


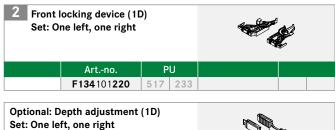
- Excellent running characteristics
- Fully synchronised slide technology
- Self-close closing system
- Stepless self-locking of the drawer when placed on the slide
- Integrated height adjustment, tool-free +3.5 mm
- Optional depth adjustment +3.5 mm

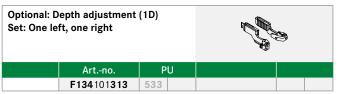
#### Packaging unit (PU):

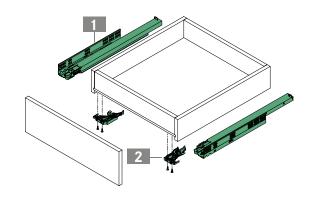
- 204 = 5 units in a cardboard box
- 233 = 200 units in a cardboard box
- 517 = 50 units in PE in a cardboard box 533 = 200 units in PE in a cardboard box

#### **ORDER INFORMATION**





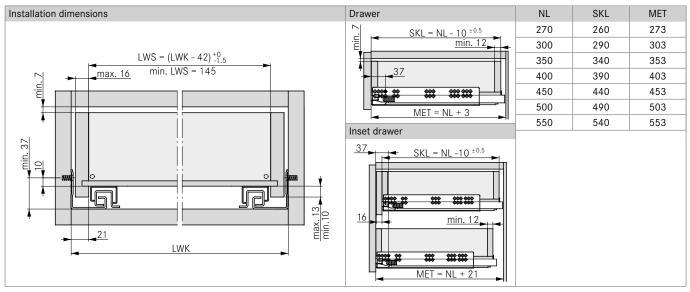


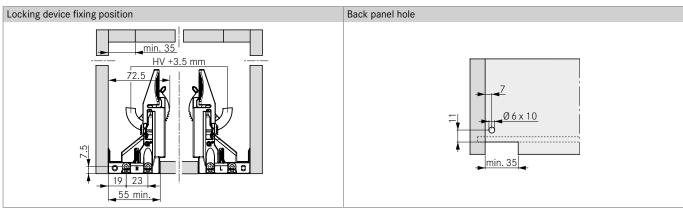


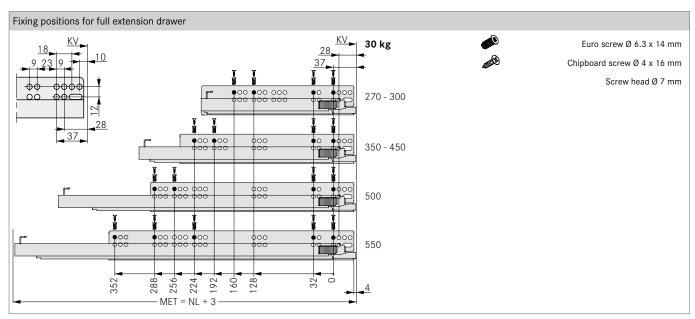
Pull-out shelf	56	Assembly aids	60	
Technical information	58	Packaging code	75	

#### **PLANNING DIMENSIONS**

#### All dimensions in millimetres







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

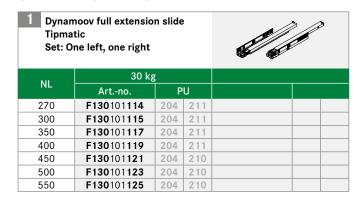


- Tipmatic full extension slide for handle-free fronts
- Tipmatic ejector unit integrated into the slide
- Excellent running characteristics
- Fully synchronised slide technology
- Integrated height adjustment, tool-free +3.5 mm
- Integrated front gap adjustment +1.5 mm
- The Tipmatic unit will not suffer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

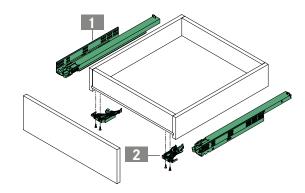
#### Packaging unit (PU):

- 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**



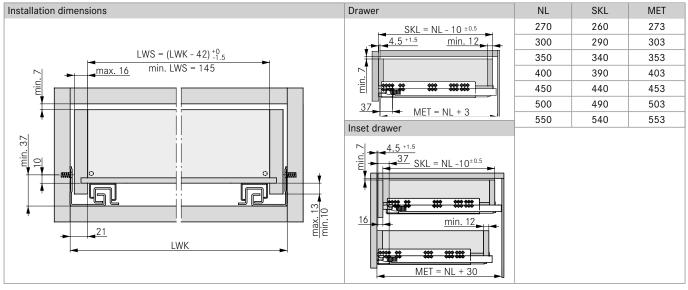
Front locking device (1D) Set: One left, one right					
	Artno.	Р	U		
	F134101220	517	233		

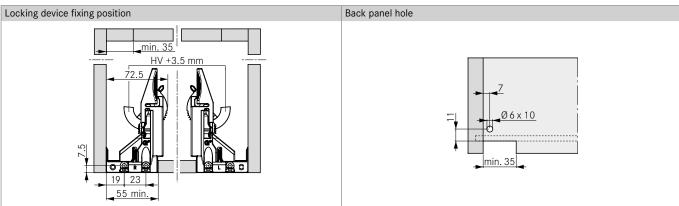


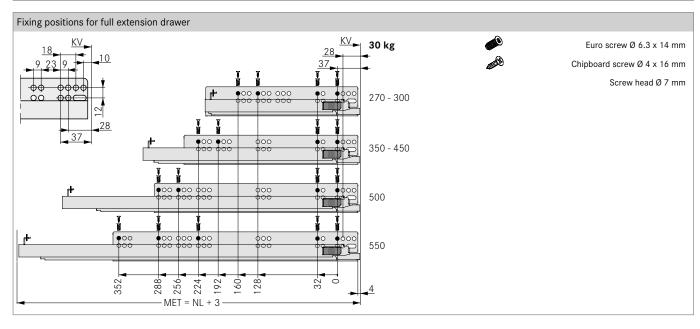
Pull-out shelf	56	Assembly aids	60	
Technical information	58	Packaging code	75	

#### **PLANNING DIMENSIONS**

#### All dimensions in millimetres







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)

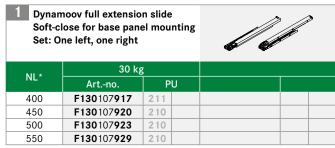
#### Shelf holder set for shelves:

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

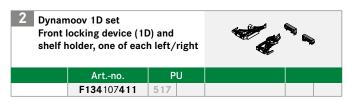
#### Packaging unit (PU):

- 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

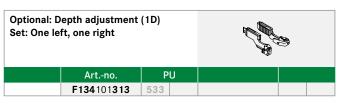
#### **ORDER INFORMATION**

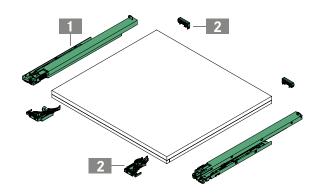


<sup>\*</sup> upon request



Individual components			
Description	Artno.	Р	U
Front locking device (1D) Set: One left, one right	<b>F134</b> 101 <b>220</b>	517	233
Shelf holder Set: One left, one right	<b>F134</b> 101 <b>305</b>	533	





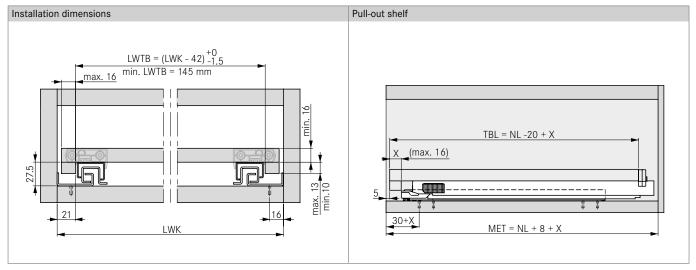
Dynamoov Soft-close	50
Dynamoov Self-close	52

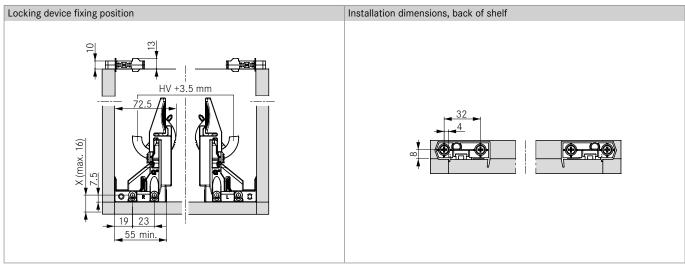
Dynamoov Tipmatic	54
Technical information	58

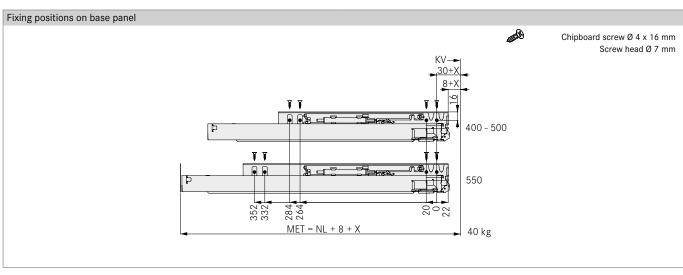
Assembly aids	60
Packaging code	75

#### **INSTALLATION INFORMATION**

All dimensions in millimetres







### LEGEND

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

NL Nominal length
TBL Shelf length

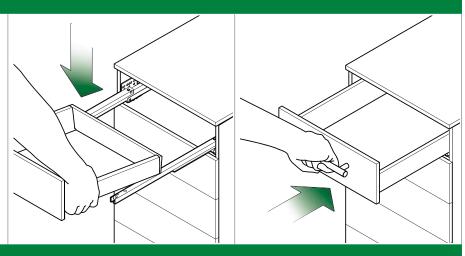
### **DYNAMOOV**

### **Technical information**

#### **INSTALLATION INFORMATION**

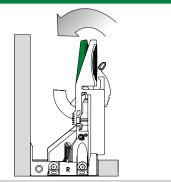
#### Inserting the drawer

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



#### Removing the drawer

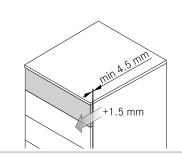
Pull out the drawer, actuate the lever of the front locking device on both sides and pull the drawer off the slide towards the front.

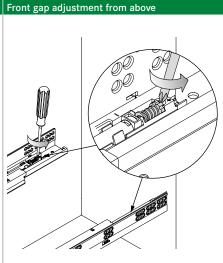


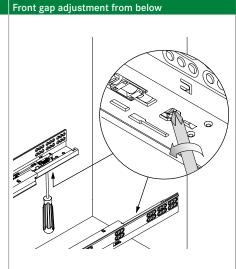
#### **DYNAMOOV TIPMATIC**

maximum 6 mm.

Front gap adjustment (max. +1.5 mm)
Reliable opening and closing of the drawer depends on thefront 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







#### **NOTES**

Fixing the cabinet rails:

The screw recommendations are guide values only.

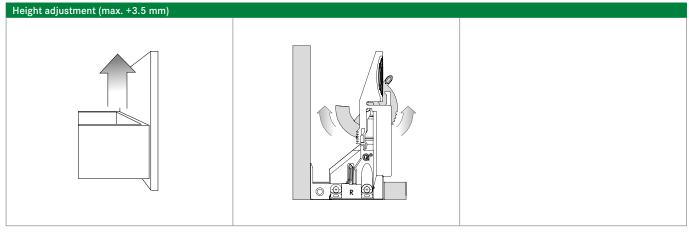
Assemblers must ensure that the substrate material is thick enough.

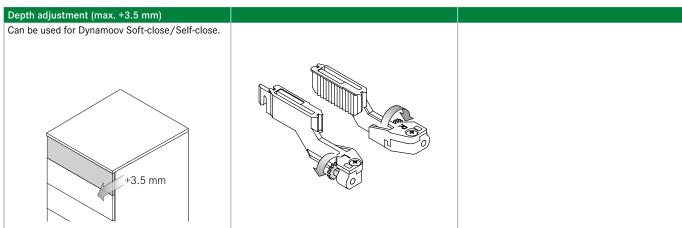
Dynamoov Soft-close	50
Dynamoov Self-close	52

Dynamoov Tipmatic	54
Pull-out shelf	56

Assembly aids	60
Packaging code	75

### **ADJUSTMENT**





### **DYNAMOOV**

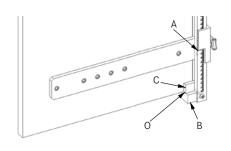
### Assembly aids



# DRILLING JIG FOR CABINET MEMBER

One set includes:

- Guide rule (1x)
- Marking elements (4x)
- Stop plates B + C (1 each)
- A. Reading edge = centre of holes
- B. Stop plate for loose cabinet parts
- C. Stop plate for assembled cabinet
- O. Zero scale position



Artno.	PU
F146094730	501



#### INDIVIDUAL MARKING ELEMENT

For extending the drilling jig for cabinet member F146094730

Artno.	PU
F146094721	299



# DRILLING JIG FOR CABINET MEMBER

For use with pilot drill bit F146035692

Artno.	PU
F146101348	507



#### **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

Artno.	PU
<b>F146</b> 109 <b>874</b>	299

Dynamoov Soft-close	50
Dynamoov Self-close	52

Dynamoov Tipmatic	54
Pull-out shelf	56

Technical information	58
Packaging code	75



#### **EURO SCREW**

	Artno.	PU
Ø 6.3 x 14 mm	<b>F148</b> 115 <b>049</b>	147
Screw head Ø 7 mm		



#### **SCREWDRIVER**

GRASS cross head screwdriver (Pozidriv No. 2)

Artno.	PU
<b>F147</b> 010 <b>256</b>	001



#### PILOT DRILL BIT

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

	Artno.	PU
Pilot drill bit	F146035692	299
Spare drill bit Ø 2.7 mm	F146090561	299



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.



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

Product description	Page
Single extension drawer slide 30 kg  • With plastic rollers  • Installation width 12.5 mm  • Bottom mounting	64
Full extension drawer slide 50 kg  • With plastic rollers  • Installation width 12.5 mm  • Bottom mounting	66

	Accessories	68
	Technical information	70
	Assembly aids	72

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**

Single extension drawer slide 30 kg
Set: One left, one right

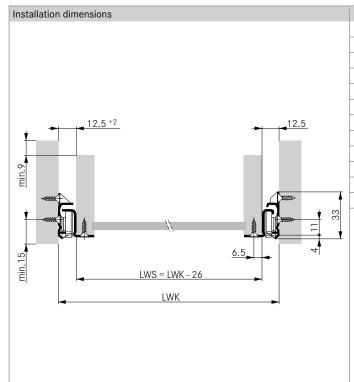
		17.5	

NL	V	White		Crea	Cream white		В	rown				
NL	Artno.		PU	Artno.		PU		Artno.		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			_				

Accessories	68	Assembly aids	72	
Technical information	70	Packaging code	75	

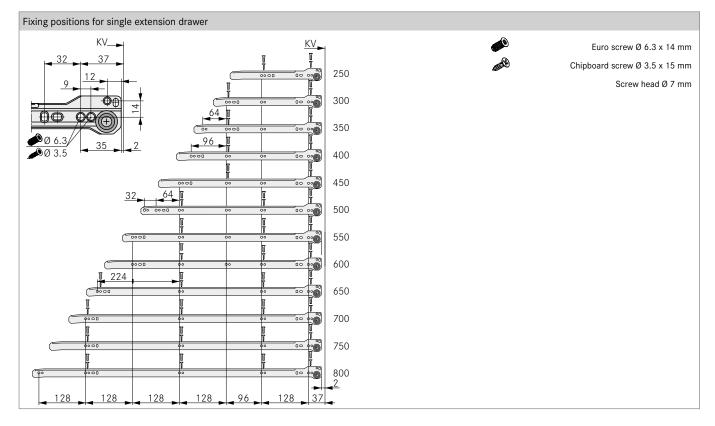
#### **INSTALLATION INFORMATION**

All dimensions in millimetres



AZV 1	AZV 2
90	73
90	73
90	73
90	73
103	86
103	86
118	101
118	101
128	111
138	121
153	136
153	136
	90 90 90 90 103 103 118 118 128 138 153

**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.



#### **LEGEND**

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

NL Nominal length

### 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**

Full extension drawer slide 50 kg Set: One left, one right

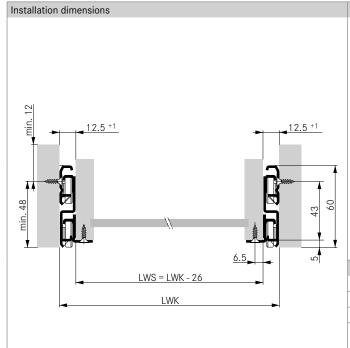


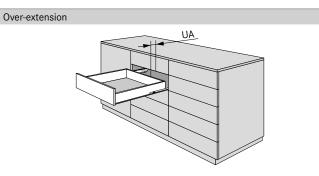
NL	V	Vhite	Cream white		В	rown		
INL	Artno.	PU	Artno.	PU	Artno.	PU		
250	F080074520	507	F080074519	507	F080074521	507		
300	F080074523	507	F080074522	507	F080074524	507		
350	F080074526	507	F080074525	507	F080074527	507		
400	F080074529	507	F080074528	507	F080074530	507		
450	F080074532	507	F080074531	507	F080074533	507		
500	F080074535	507	F080074534	507	F080074536	507		
550	F080074538	507	F080074537	507	F080074539	507		
600	F080074541	507	F080074540	507	F080074542	507		
650	F080074544	507	F080074543	507	-			
700	F080074546	507	F080074545	507	_			
750	F080074549	507	F080074548	507	-			
800	F080074551	507	F080074550	507	_			

Accessories	68	Assembly aids	72	
Technical information	70	Packaging code	75	

#### **INSTALLATION INFORMATION**

All dimensions in millimetres



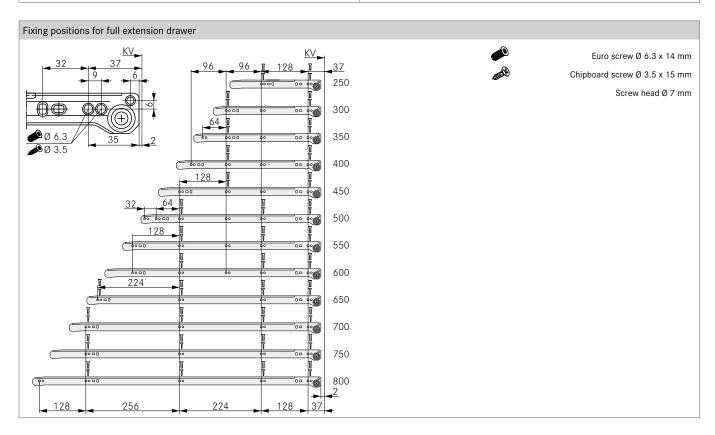


#### The critical advantage: better access

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	



#### **LEGEND**

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

UA Over-extension

### 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

Soft-close for roller systems Set: Damping unit and activator Can be used on left/right	<b>●□</b> ●	епе <b>ў</b>				
Description	Artno.	PU				
Damping set for wooden drawers	F084101803	538				

Individual components	еде • — • • • • • • • • • • • • • • • • • •		
Description	Artno.	PU	
Damping unit Single item: Can be used on left/right	F084101800	238	
Activator for wooden drawers Single item: Can be used on left/right	F080101802	238	

Single extension slide	64
Full extension slide	66

Technical information	70
Assembly aids	72

Packaging code	75

LEGEND		
LEGEND		

### **Technical information**

#### **DRAWER SPACE LOSS**

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

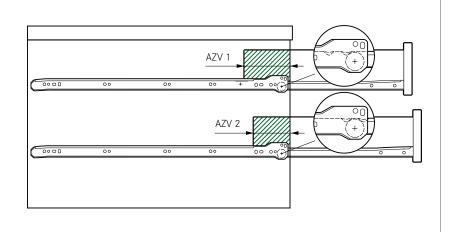
Single extension drawers have two types of loss of drawer space (AZV).

#### AZV 1:

The amount of space lost in the not locked position.

#### AZV 2

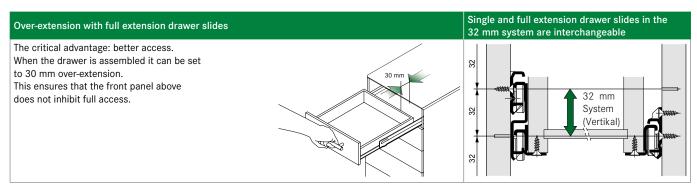
The amount of space lost in the locked position.



#### MINIMUM REVEAL

### 

#### **FULL EXTENSION DRAWER SLIDES**

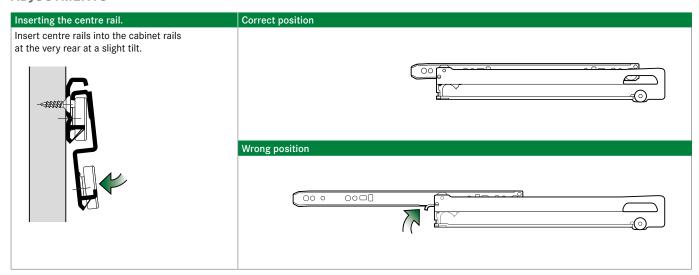


#### TWIST-LOCK

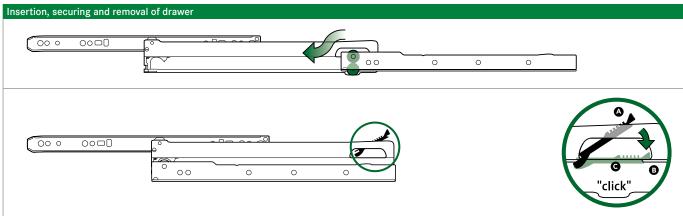
Installation advice	Check mounting positions Correct position for inserting drawer	Wrong position Insertion of centre rail is not possible.
For reliable self-retraction     For safe carrying capacity of 50 kg     For convenient drawer insertion and removal		

Single extension slide	64	Accessories	68	Packaging code	75
Full extension slide	66	Assembly aids	72		

#### **ADJUSTMENTS**



#### **ADJUSTMENTS**



#### Inserting the drawer

Pull the centre rail out to its stop. Insert drawer over the rollers as horizontally as possible, simultaneously on both sides.

#### Malfunction of twist-lock

Any malfunction of the centre rail is automatically corrected by fully extending the drawer.

#### Inserting the safety locks

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.

#### Removing the drawer

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.

#### Safety lock

The safety lock prevents accidental removal of the drawer and is a key safety feature.

#### **NOTES**

#### Fixing the cabinet rails:

Details are based on reference chipboard in accordance with DIN 68858, MDF and hardwood board.

Where other wood qualities and thicknesses are used, the number

and position of screws should be adjusted accordingly.

### Assembly aids



# DRILLING JIG FOR CABINET MEMBER

For use with pilot drill bit F146035692

Artno.	PU
F146101347	507



#### PILOT DRILL BIT

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

	Artno.	PU
Pilot drill bit	F146035692	299
Spare drill bit Ø 2.7 mm	F146090561	299



#### **SCREWDRIVER**

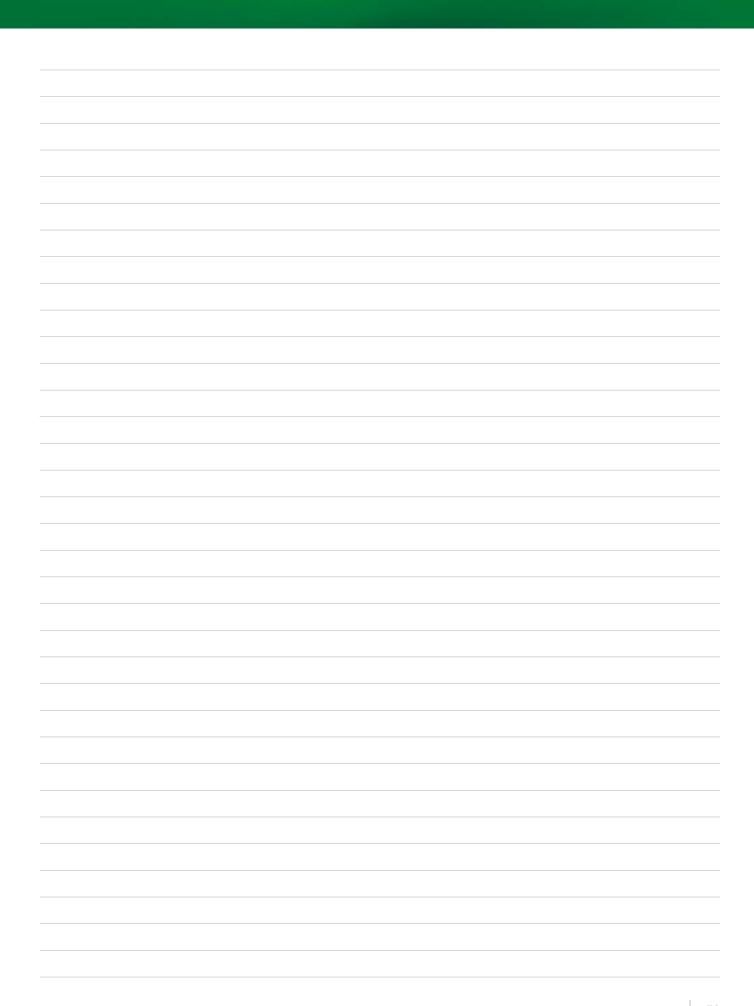
GRASS cross head screwdriver (Pozidriv No. 2)

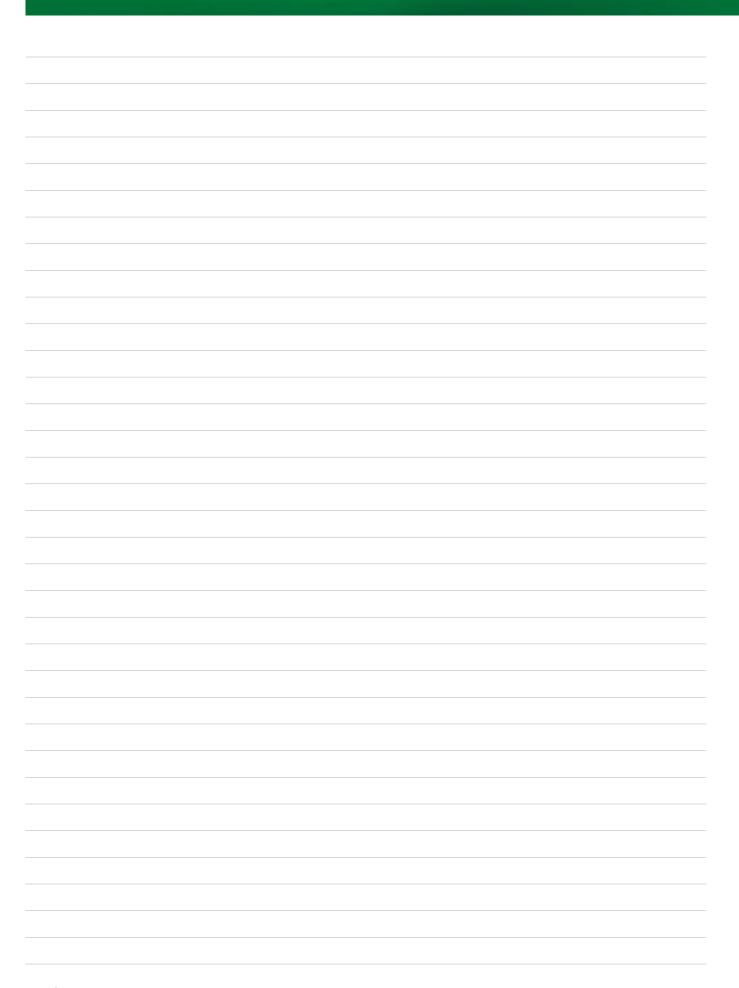
Artno.	PU
F147010256	001

Single extension slide	64
Full extension slide	66

Accessories	68
Technical information	70

Packaging code	75





# 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	Х
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)



proudly supplied by

