



 **GRASS**<sup>®</sup>

## INTEGRA DRAWER SYSTEM

The single-wall steel drawer system.





# Integra



The single-wall steel drawer system.



## The Integra system offers top quality and maximum usability.

The Integra single-wall steel drawer system offers furniture makers a wide range of design options for modern kitchens and bathrooms. Everything is possible: standard drawers, interior pull-outs, full extension

drawers with railings, cooker plinth drawers, pull-outs for suspension files and other combinations. Excellent quality, perfect function and looks. For the end customer too, Integra offers maximum user benefit.

## Innovative solutions for flexible production

- Sophisticated technology, excellent workmanship
- Load capacity higher than industry standard
- Parallel closing action
- Two different methods for fitting fronts
- Top, efficient solutions at a competitive price
- Easy and efficient fitting
- Eccentric cam adjustment
- Excellent assembly technology



System information

Integra Top

Integra Quick

Full extension drawer

Interior pull-out

Railing systems

Accessories

Installation technology

Technical notes

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## Integra Top

Single-wall steel drawer, height 53 mm, single-extension, 30 kg, installation width 15.5 mm, bottom panel for screw fixing.



- 2-D front panel adjustment: for easy adjustment of gaps
- Edge clearance: accurate contact between drawer slide and bottom panel, without chamfering the bottom panel
- Can be converted into full-extension drawer
- Parallel closing action: reliable closing, minimum gap widths
- Double stop: holds the drawer securely in position when open

### 1 Integra drawer sides height 53 mm



Nominal length in mm	Item No. white RAL 9010
350	9003.350.2
400	9003.400.2
450	9003.450.2
500	9003.500.2
550	9003.550.2
PU/packaging unit	PU 10

PU 10 = 10 sets, loose in carton

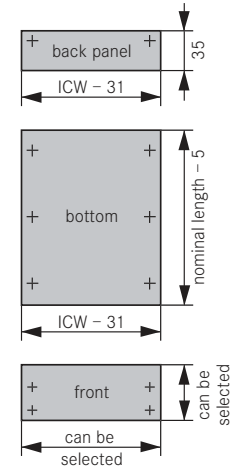
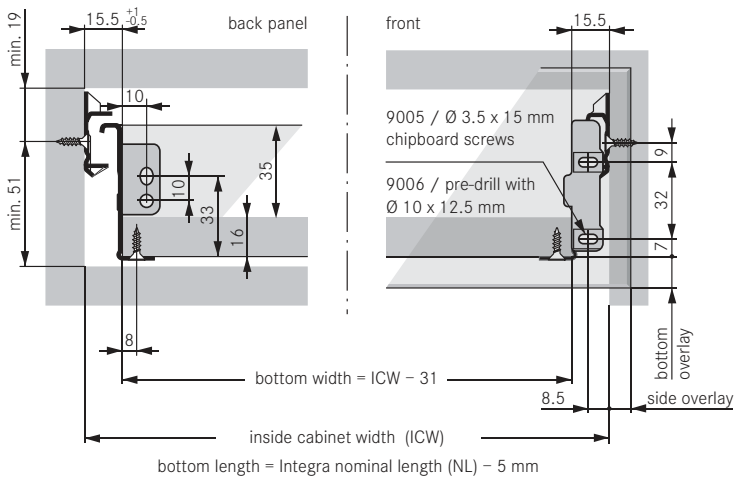
### 2 Front fixing



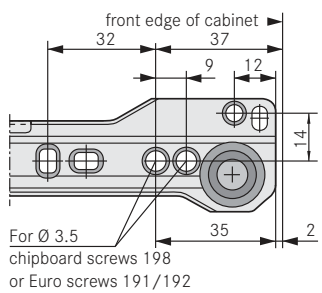
Front fixing	Item No. left	Item No. right	Item No. left	Item No. right
For screw fixing	9005.L.VE10	9005.R.VE10	9005.L.VE250	9005.R.VE250
With press-fit dowels	9006.L.VE10	9006.R.VE10		
PU/packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton

**Fitting dimensions** **Cutting dimensions for 16 mm chipboard**



**Fixing positions for front of cabinet** **Extension loss**

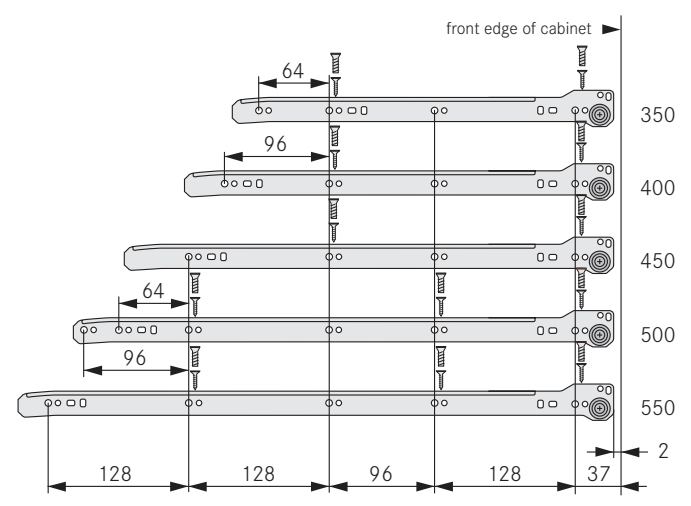
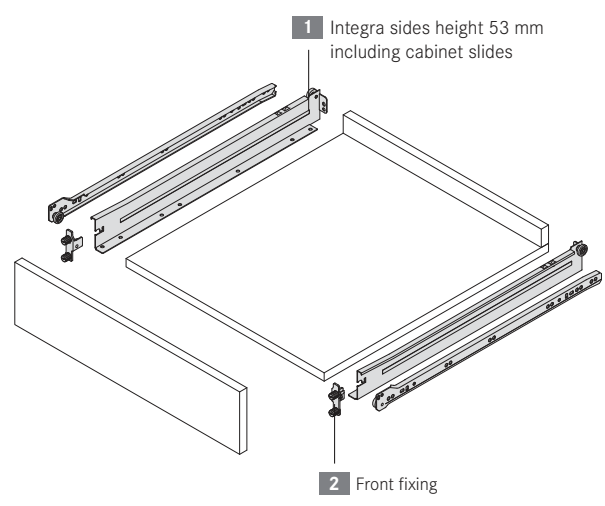


Length	Extension loss 1	Extension loss 2
350	88	72
400	101	85
450	101	85
500	101	85
550	101	85

**Extension loss 1:** is the extension loss when the drawer is not held by stop.

**Extension loss 2:** is the extension loss when the drawer is held by stop.

**Drawer** **Fixing positions for cabinet slides**



All dimensions in millimetres.

# Integra Top

Single-wall steel drawer, height 85 mm, single-extension, 30 kg, installation width 15.5 mm, bottom panel for screw fixing.



- 2-D front panel adjustment: for easy adjustment of gaps
- Edge clearance: accurate contact between drawer slide and bottom panel, without chamfering the base
- Can be converted into full-extension drawer
- Parallel closing action: reliable closing, minimum gap widths
- Double stop: holds the drawer securely in position when open

Information about compatible steel back panels on request.

## 1 Integra drawer sides, height 85 mm



Nominal length in mm	Item No. white RAL 9010
275	9103.275.2
350	9103.350.2
400	9103.400.2
450	9103.450.2
500	9103.500.2
550	9103.550.2
PU/Packaging unit	PU 10

PU 10 = 10 sets, loose in carton

## 2 Cover caps

Item No. white RAL 9010
9112.2.VE20
PU 20
9112.2.VE500
PU 500

Imprinted cover caps on request.

## 3 Front fixing



Click-on = front panel mounting without tools

Click-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw-fixing	9305.L.VE10	9305.R.VE10	9305.L.VE250	9305.R.VE250
With press-fit dowels	9306.L.VE10	9306.R.VE10	9306.L.VE250	9306.R.VE250
With expanding dowels			9307.L.VE250	9307.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton



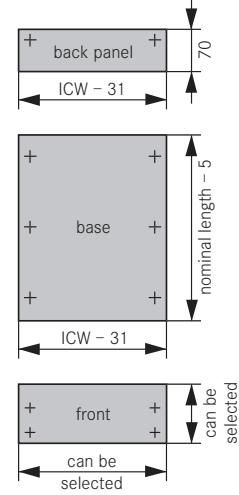
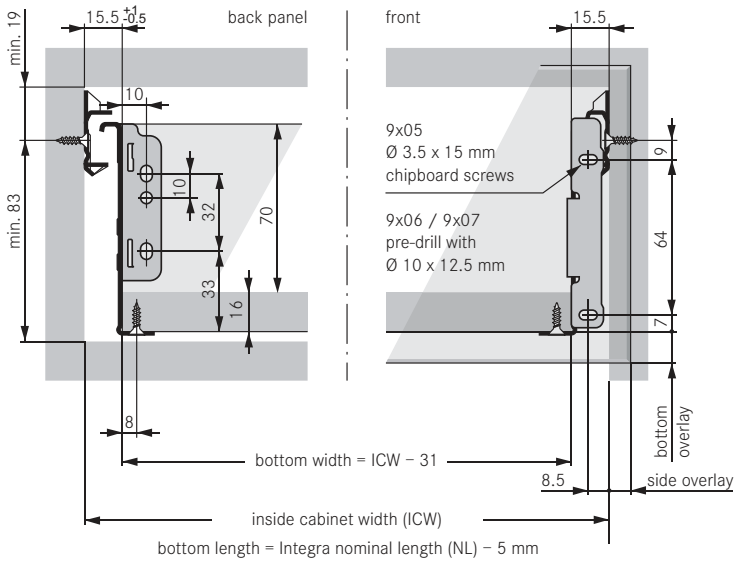
Slide-on = front fixing for screw-fixing

Slide-On	Item No. left	Item No. right	Item No. left	Item No. right
For screw-fixing	9205.L.VE10	9205.R.VE10	9205.L.VE250	9205.R.VE250
With press-fit dowels	9206.L.VE10	9206.R.VE10	9206.L.VE250	9206.R.VE250
With expanding dowels			9207.L.VE250	9207.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

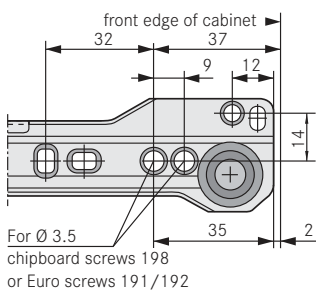
PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton



**Fitting dimensions** **Cutting dimensions for 16 mm chipboard**



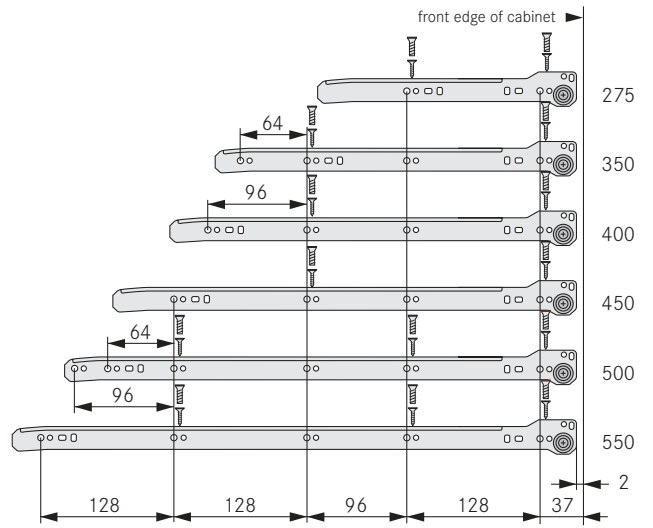
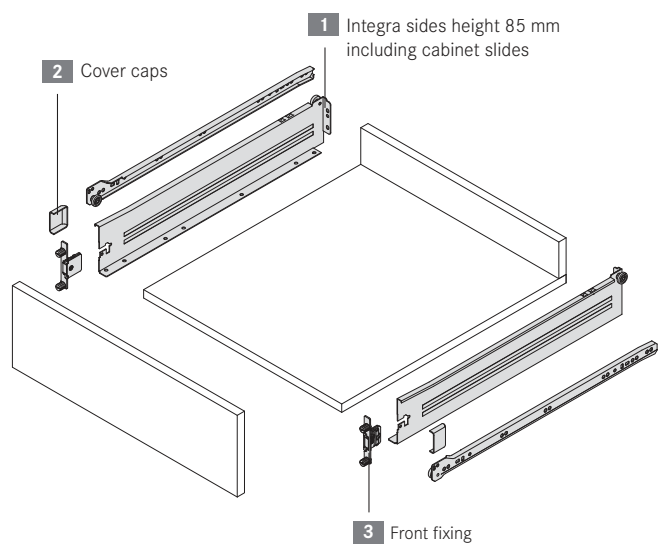
**Fixing positions for front of cabinet** **Extension loss**



Length	Extension loss 1	Extension loss 2
275	88	72
350	88	72
400	101	85
450	101	85
500	101	85
550	101	85

**Extension loss 1:** is the extension loss when the drawer is not held by stop.  
**Extension loss 2:** is the extension loss when the drawer is held by stop.

**Drawer** **Fixing positions for cabinet slides**



All dimensions in millimetres.

# Integra Top

Single-wall steel drawer, height 117 mm, single-extension, 30 kg, installation width 15.5 mm, bottom panel for screw fixing.



- 2-D front panel adjustment: for easy adjustment of gaps
- Edge clearance: accurate contact between drawer slide and bottom panel, without chamfering the bottom panel
- Can be converted into full-extension drawer
- Parallel closing action: reliable closing, minimum gap widths
- Double stop: holds the drawer securely in position when open

## 1 Integra drawer sides, height 117 mm



Nominal length in mm	Item No. white RAL 9010
350	9203.350.2
400	9203.400.2
450	9203.450.2
500	9203.500.2
550	9203.550.2
Packaging unit	PU 5

PU 5 = 5 sets, loose in carton

## 2 Cover caps

Item No. white RAL 9010
9112.2.VE20
PU 20
9112.2.VE500
PU 500

Imprinted cover caps on request.

## 3 Front fixing



Click-on = front panel mounting without tools

Click-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw fixing	9305.L.VE10	9305.R.VE10	9305.L.VE250	9305.R.VE250
With press-fit dowels	9306.L.VE10	9306.R.VE10	9306.L.VE250	9306.R.VE250
With expanding dowels			9307.L.VE250	9307.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton



Slide-on = front fixing for screw fixing

Slide-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw fixing	9205.L.VE10	9205.R.VE10	9205.L.VE250	9205.R.VE250
With press-fit dowels	9206.L.VE10	9206.R.VE10	9206.L.VE250	9206.R.VE250
With expanding dowels			9207.L.VE250	9207.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton

### Fitting dimensions

back panel

front

9x05  
Ø 3.5 x 15 mm  
chipboard screws

9x06 / 9x07  
pre-drill with  
Ø 10 x 12.5 mm

bottom width = ICW - 31

inside cabinet width (ICW)

bottom length = Integra nominal length (NL) - 5 mm

bottom overlay

side overlay

### Cutting dimensions for 16 mm chipboard

back panel

ICW - 31

99

bottom

nominal length - 5

ICW - 31

front

can be selected

can be selected

### Fixing positions for front of cabinet

front edge of cabinet

32

37

9

12

14

35

2

For Ø 3.5  
chipboard screws 198  
or Euro screws 191/192

### Extension loss

Length	Extension loss 1	Extension loss 2
350	105	89
400	118	102
450	118	102
500	118	102
550	118	102

**Extension loss 1:** is the extension loss when the drawer is not held by stop.

**Extension loss 2:** is the extension loss when the drawer is held by stop.

### Drawer

1 Integra sides height 117 mm including cabinet slides

2 Cover caps

3 Front fixing

### Fixing positions for carcass slides

front edge of cabinet

64

96

350

400

450

500

550

128

128

96

128

37

2

All dimensions in millimetres.

System information

Integra Top

Integra Quick

Full extension drawer

Interior pull-out

Railing systems

Accessories

Installation technology

Technical notes

# Integra Top

Single-wall steel drawer, height 149 mm, single-extension, 30 kg, installation width 15.5 mm, bottom panel for screw fixing.



- 2-D front panel adjustment: for easy adjustment of gaps
- Edge clearance: accurate contact between drawer slide and bottom panel, without chamfering the bottom panel
- Can be converted into full-extension drawer
- Parallel closing action: reliable closing, minimum gap widths
- Double stop: holds the drawer securely in position when open

## 1 Integra drawer sides height, 149 mm



Nominal length in mm	Item No. white RAL 9010
350	9303.350.2
400	9303.400.2
450	9303.450.2
500	9303.500.2
550	9303.550.2
Packaging unit	PU 5

PU 5 = 5 sets, loose in carton

## 2 Cover caps

Item No. white RAL 9010
9112.2.VE20
PU 20
9112.2.VE500
PU 500

Imprinted cover caps on request.

## 3 Front fixing



Click-on = front panel mounting without tools

Click-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw fixing	9305.L.VE10	9305.R.VE10	9305.L.VE250	9305.R.VE250
With press-fit dowels	9306.L.VE10	9306.R.VE10	9306.L.VE250	9306.R.VE250
With expanding dowels			9307.L.VE250	9307.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton

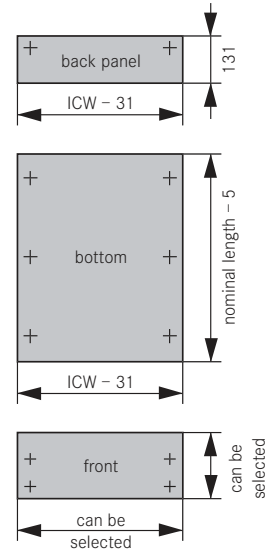
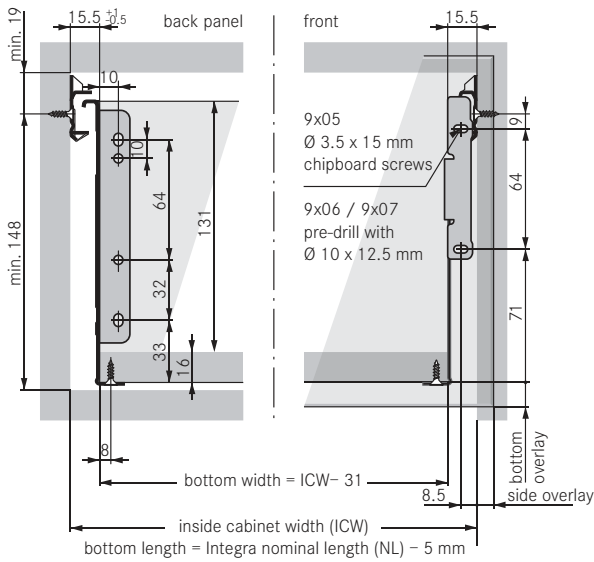


Slide-on = front fixing for screw fixing

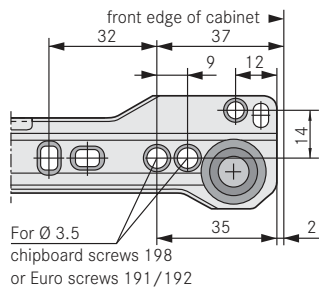
Slide-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw fixing	9205.L.VE10	9205.R.VE10	9205.L.VE250	9205.R.VE250
With press-fit dowels	9206.L.VE10	9206.R.VE10	9206.L.VE250	9206.R.VE250
With expanding dowels			9207.L.VE250	9207.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton

**Fitting dimensions** **Cutting dimensions for 16 mm chipboard**



**Fixing positions for front of cabinet** **Extension loss**

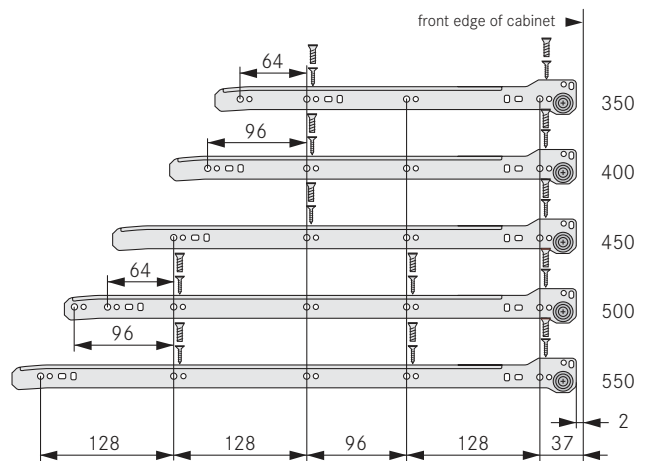
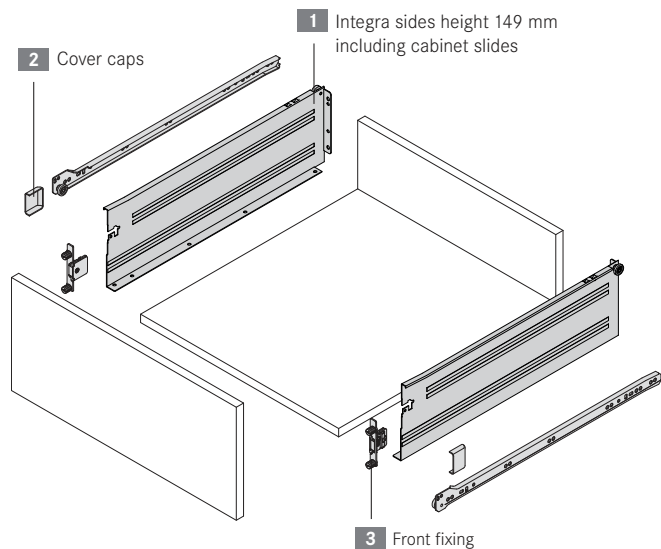


Length	Extension loss 1	Extension loss 2
350	105	89
400	118	102
450	118	102
500	118	102
550	118	102

**Extension loss 1:** is the extension loss when the drawer is not held by stop.

**Extension loss 2:** is the extension loss when the drawer is held by stop.

**Drawer** **Fixing positions for cabinet slides**



All dimensions in millimetres.

# Integra Quick

Single-wall steel drawer, height 85 mm, single extension, 30 kg, installation width 15.5 mm, bottom-panel for push-fitting.



- Side connected to drawer bottom via push-fit, no screws: Efficient assembly
- 2-D front panel adjustment: for easy adjustment of gaps
- Edge clearance: accurate contact between drawer slide and bottom panel, without chamfering the bottom panel
- Can be converted into full-extension drawer
- Parallel closing action: reliable closing, minimum gap widths
- Double stop: holds the drawer securely in position when open

Information about compatible steel back panels on request.

## 1 Integra Quick drawer sides, height 85 mm



Nominal length in mm	Item No. white RAL 9010
350	9113.350.2
400	9113.400.2
450	9113.450.2
500	9113.500.2
550	9113.550.2
PU/Packaging unit	PU 10

PU 10 = 10 sets, loose in carton

## 2 Cover caps

Item No. white RAL 9010
9112.2.VE20
PU 20
9112.2.VE500
PU 500

Imprinted cover caps on request.

## 3 Front fixing



Click-on = front panel mounting without tools

Click-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw-fixing	9305.L.VE10	9305.R.VE10	9305.L.VE250	9305.R.VE250
With press-fit dowels	9306.L.VE10	9306.R.VE10	9306.L.VE250	9306.R.VE250
With expanding dowels			9307.L.VE250	9307.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton

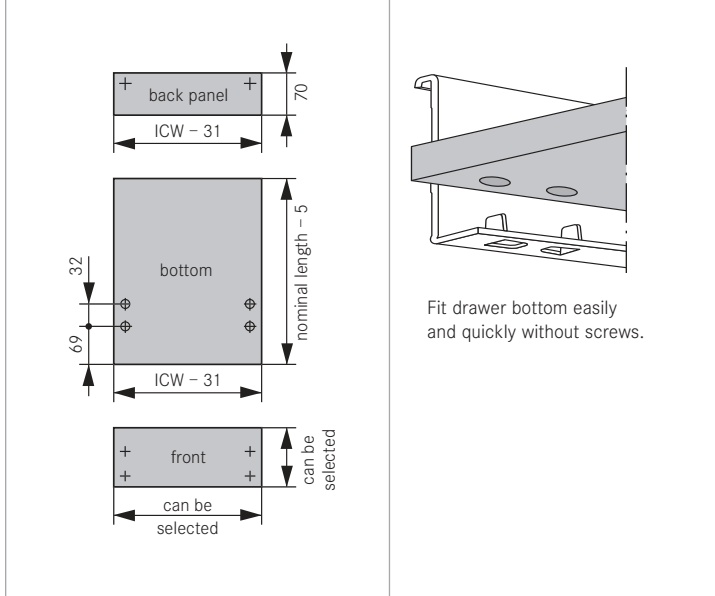
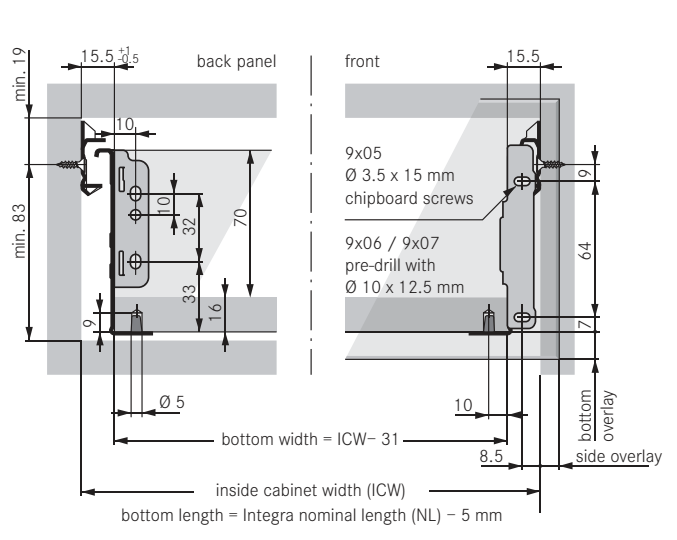


Slide-on = front fixing for screw fixing

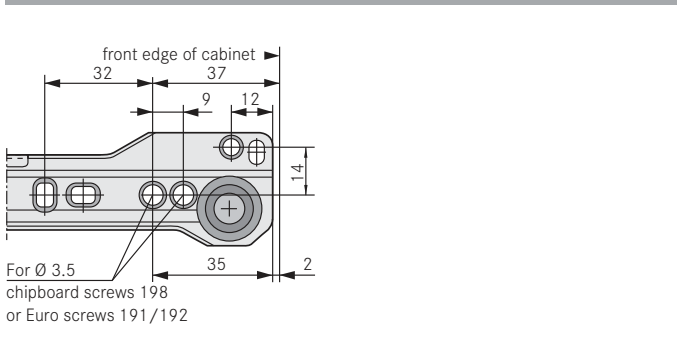
Slide-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw-fixing	9205.L.VE10	9205.R.VE10	9205.L.VE250	9205.R.VE250
With press-fit dowels	9206.L.VE10	9206.R.VE10	9206.L.VE250	9206.R.VE250
With expanding dowels			9207.L.VE250	9207.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton

**Fitting dimensions** **Cutting dimensions for 16 mm chipboard Integra Quick push-fit assembly**



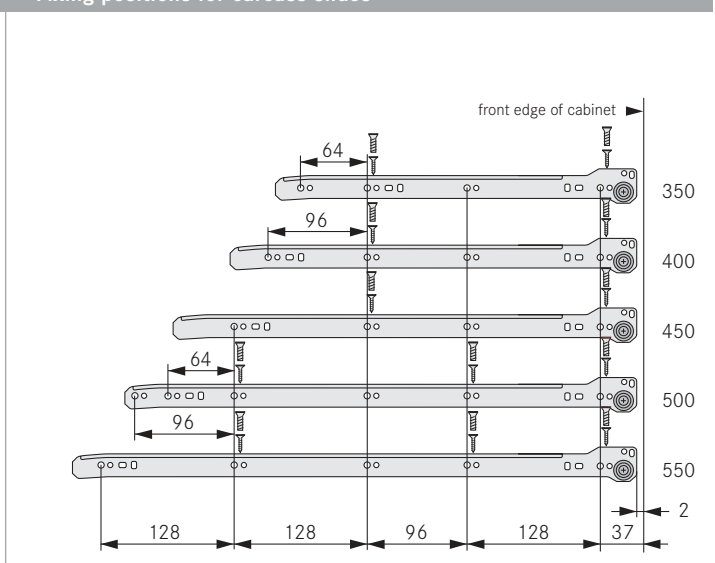
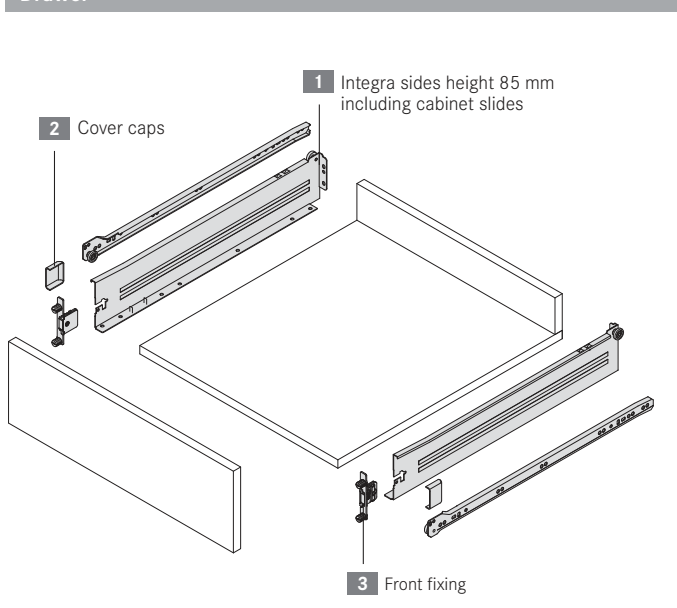
**Fixing positions for front of cabinet** **Extension loss**



Length	Extension loss 1	Extension loss 2
350	88	72
400	101	85
450	101	85
500	101	85
550	101	85

**Extension loss 1:** is the extension loss when the drawer is not held by stop.  
**Extension loss 2:** is the extension loss when the drawer is held by stop.

**Drawer** **Fixing positions for carcass slides**



All dimensions in millimetres.

# Integra Quick

Single-wall steel drawer, height 149 mm, single-extension, 30 kg installation width 15.5 mm, bottom panel for push-fitting.



- Side connected to drawer bottom via push-fit, no screws: Efficient assembly
- 2-D front panel adjustment: for easy adjustment of gaps
- Edge clearance: accurate contact between drawer slide and bottom panel, without chamfering the bottom panel
- Can be converted into full-extension drawer
- Parallel closing action: reliable closing, minimum gap widths
- Double stop: holds the drawer securely in position when open

## 1 Integra Quick drawer sides, height 149 mm



Nominal length in mm	Item No. white RAL 9010
350	9313.350.2
400	9313.400.2
450	9313.450.2
500	9313.500.2
550	9313.550.2
PU/Packaging unit	PU 5

PU 5 = 5 sets, loose in carton

## 2 Cover caps

Item No. white RAL 9010
9112.2.VE20
PU 20
9112.2.VE500
PU 500

Imprinted cover caps on request.

## 3 Front fixing



Click-on = front panel mounting without tools

Click-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw-fixing	9305.L.VE10	9305.R.VE10	9305.L.VE250	9305.R.VE250
With press-fit dowels	9306.L.VE10	9306.R.VE10	9306.L.VE250	9306.R.VE250
With expanding dowels			9307.L.VE250	9307.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton



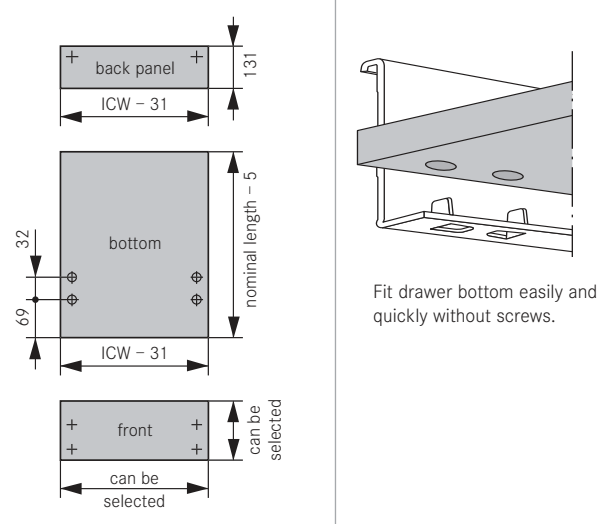
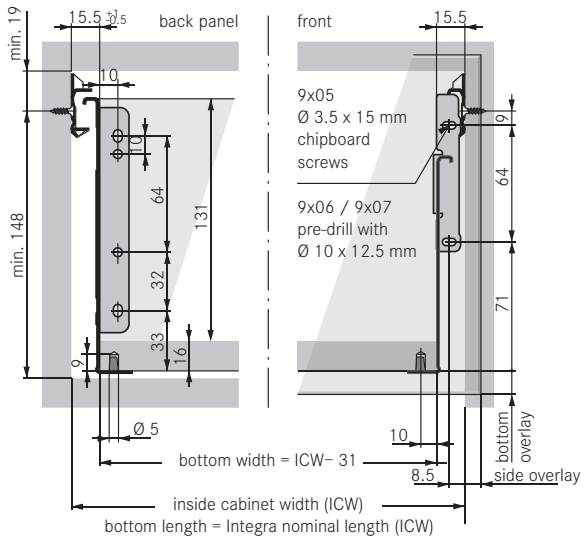
Slide-on = front fixing for screw fixing

Slide-on	Item No. left	Item No. right	Item No. left	Item No. right
For screw-fixing	9205.L.VE10	9205.R.VE10	9205.L.VE250	9205.R.VE250
With press-fit dowels	9206.L.VE10	9206.R.VE10	9206.L.VE250	9206.R.VE250
With expanding dowels			9207.L.VE250	9207.R.VE250
Packaging unit	PU 10	PU 10	PU 250	PU 250

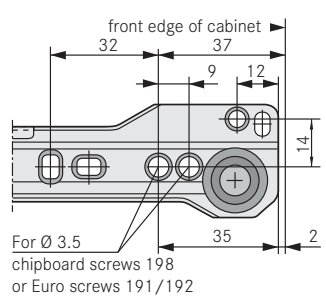
PU 10 = 10 pcs. in plastic bag, PU 250 = 250 pcs. in carton



**Fitting dimensions** **Cutting dimensions for 16 mm chipboard Integra Quick push-fit assembly**



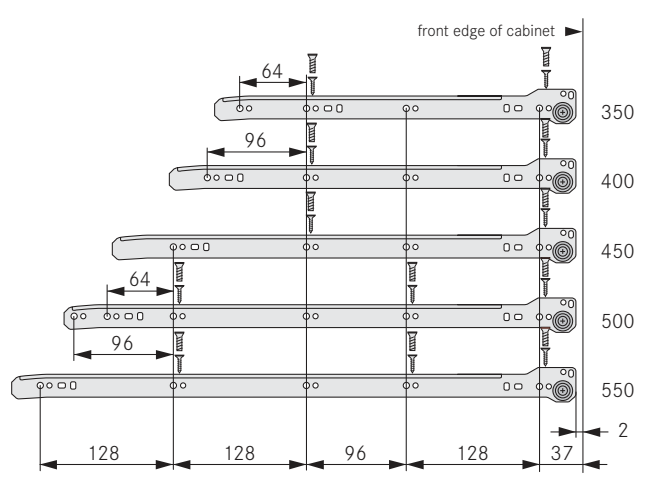
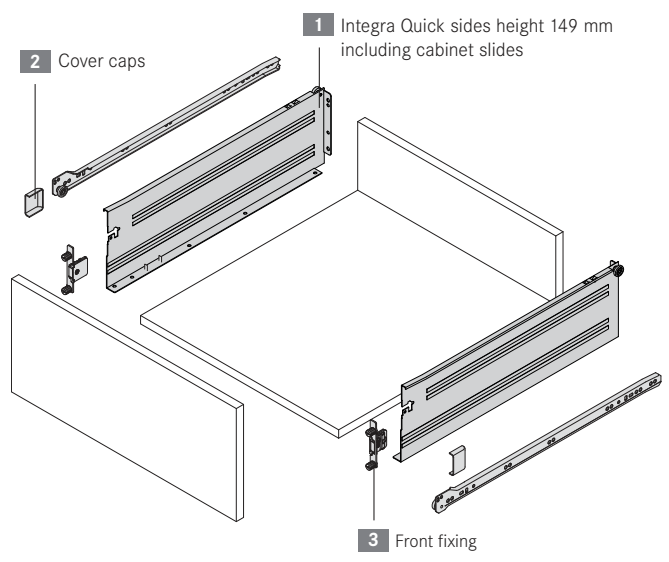
**Fixing positions for front of cabinet** **Loss of extension**



Length	Loss of extension 1	Loss of extension 2
350	105	89
400	118	102
450	118	102
500	118	102
550	118	102

**Loss of extension 1:** is the loss of extension when the drawer is not held latched.  
**Loss of extension 2:** is the loss of extension when the drawer is held latched.

**Drawer** **Fixing positions for cabinet slides**



All dimensions in millimetres.

## Integra

Full-extension drawer components for Integra single wall steel drawer system, 30 kg, for side heights of 53, 85, 117 and 149 mm, installation width 15.5 mm.



- Full-extension component for full access
- 15 mm over-extension for full accessibility also where front panels are fitted to the drawer above
- Compatible with the 32 mm system – can be replaced by single-extension drawer

Complete drawers with full extension, comprising drawer, central and cabinet slide in industrial packaging, available on request.

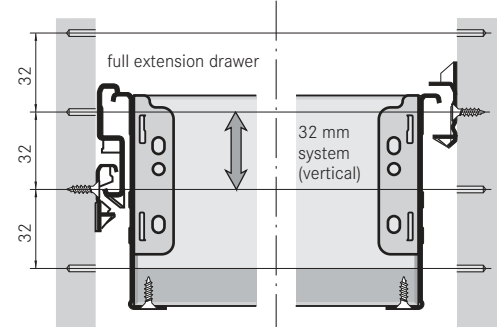
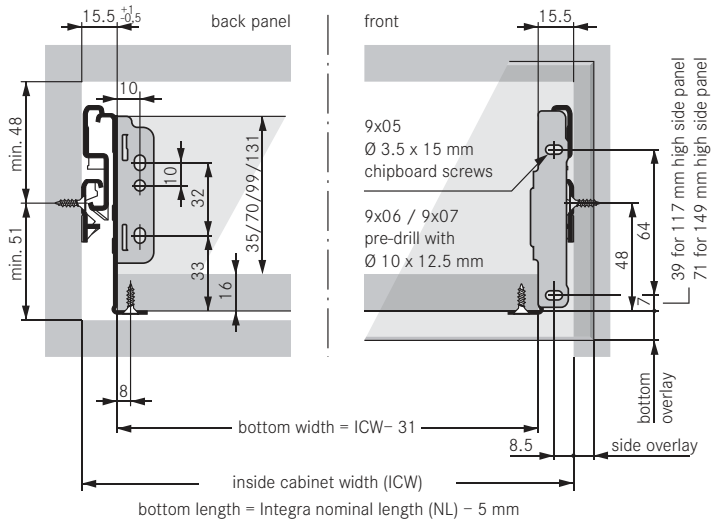
### 1 Integra full-extension drawer components



Nominal length in mm	Item No. white RAL 9010
350	9140.350.2
400	9140.400.2
450	9140.450.2
500	9140.500.2
550	9140.550.2
PU/Packaging unit	PU 1/10

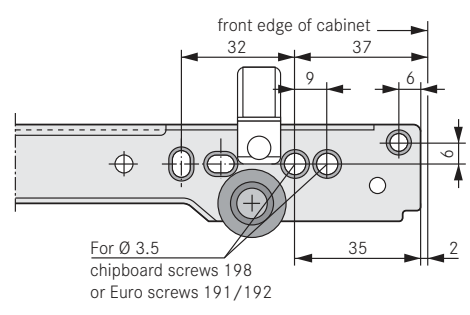
PU 1/10 = 1 set shrink-wrapped, 10 sets in carton

**Fitting dimensions** **System compatible**

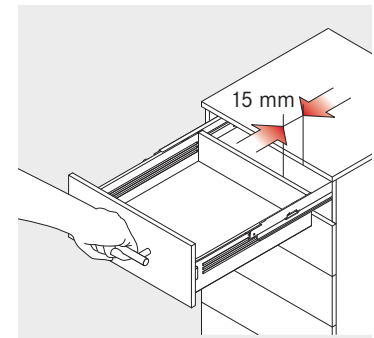


The full-extension drawer is compatible with the single-extension drawer in system 32.

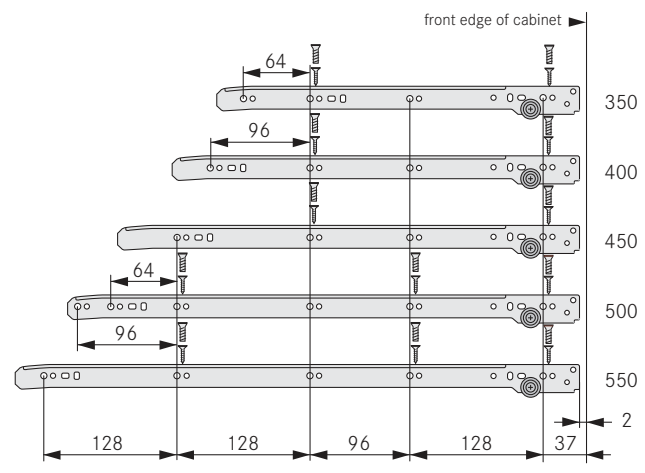
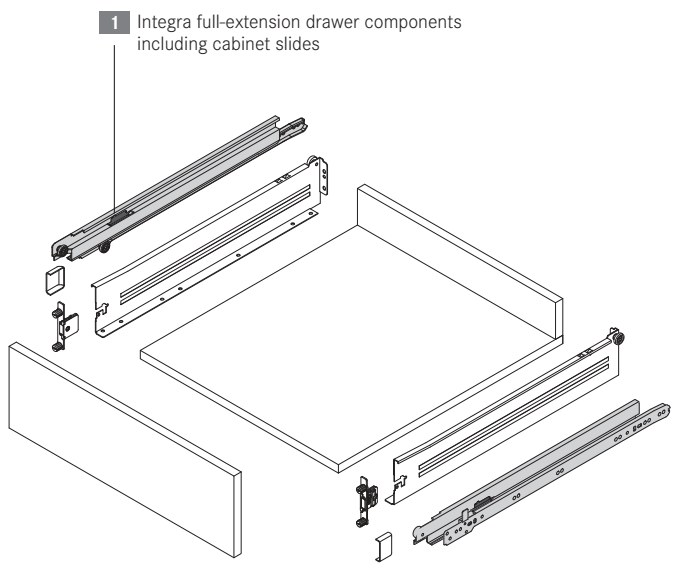
**Fixing positions for front of cabinet** **Over-extension**



The over-extension of the fully fitted drawer is 15 mm. This gives full and unrestricted access to the drawer contents also where the drawer above has a front panel fitted.



**Fixing positions for cabinet slides**



All dimensions in millimetres.

System information

Integra Top

Integra Quick

Full extension drawer

Interior pull-out

Railing systems

Accessories

Installation technology

Technical notes

# Integra

Front panel holder for inset drawers with side heights 85 and 149 mm, for screw fixing.



- Position of the front between the sides of the sides
- The cabinet slides are fitted in the same position as for standard drawers
- The front panel of the inset drawers has the same height as the back panel
- Cutting is uniform and efficient

## 1 Integra front panel holder for inset drawer



	Item No. white
For side height 85 mm	9108.2.VE10
For side height 149 mm	9308.2.VE10
PU/Packaging unit	PU 10

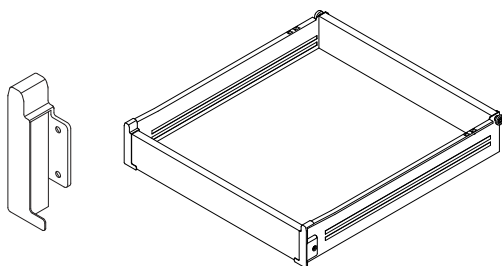
PU 10 = 10 sets, loose in carton

One set comprises:

Front panel holder left and right, clamping parts and fixing screws

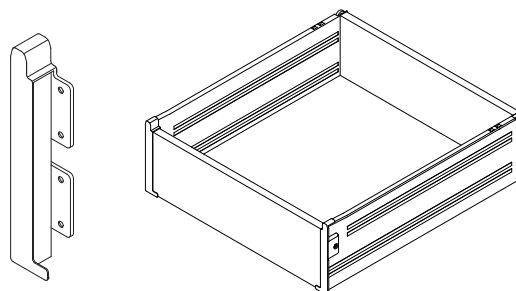
9108

Front panel holder for side height 85 mm

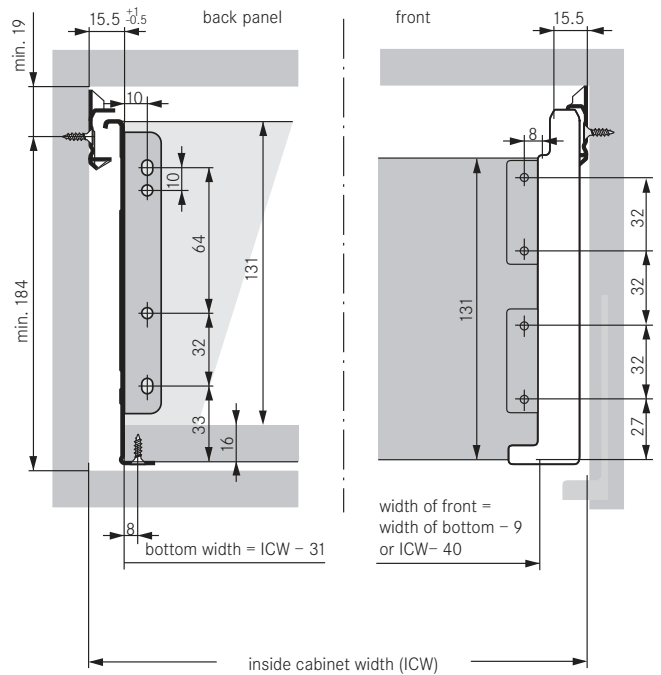
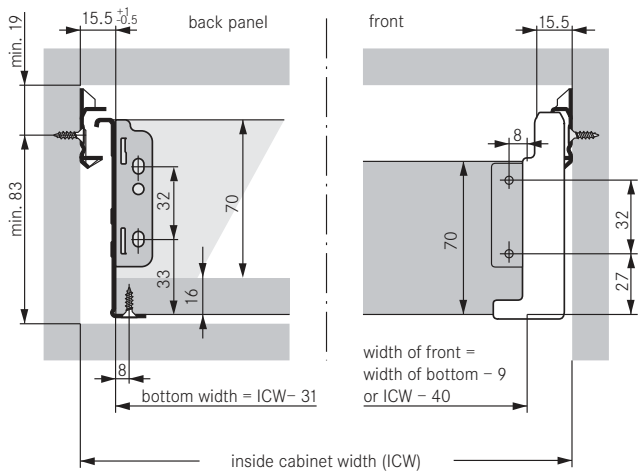


9308

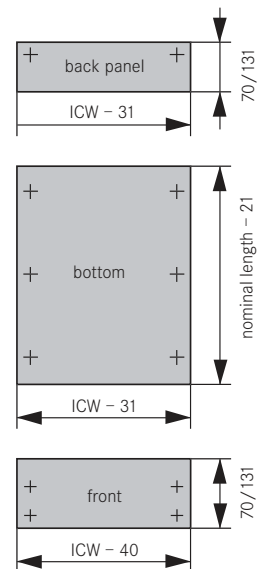
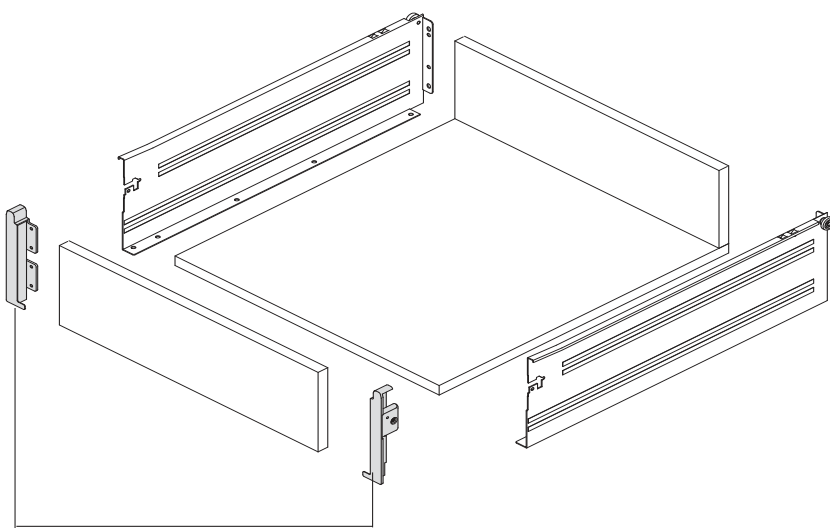
Front panel holder for side height 149 mm



**Fitting dimensions**



**Assembly with steel drawer side system, heights 85 and 149 mm**      **Cutting dimensions for 16 mm chipboard**



**1** Integra front panel holder sets for inset drawers

All dimensions in millimetres.

- System information
- Integra Top
- Integra Quick
- Full extension drawer
- Interior pull-out
- Railing systems
- Accessories
- Installation technology
- Technical notes

# Integra

Screw-fixing railing for Integra pot drawers with wooden back panel.



- Adjustable side railing:  
Easy tilt adjustment of panel
- Individual subdivision of storage space with adjustable divider railings
- Powder-coated aluminium tube: easy to cut to individual requirements

## 1 Integra railing set for screw fixing

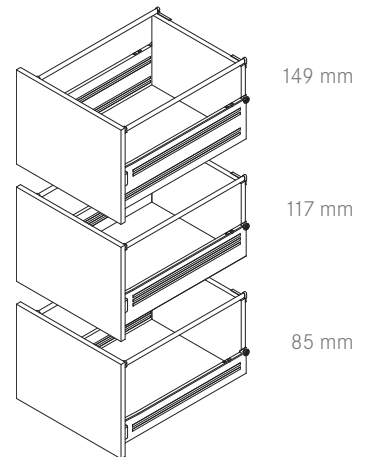


Nominal length in mm	Item No. white RAL 9010
450	3500.450.2
500	3500.500.2
550	3500.550.2
PU/Packaging unit	PU 1 / 20

PU 1/20 = 1 set in plastic bag, 20 sets in carton

One railing set comprises:

2 side railings, 2 front fixings, 2 cover caps, 2 back railing holder

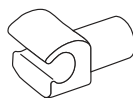


## Accessories

3570.1000.2  
Round tube for cutting  
by customer

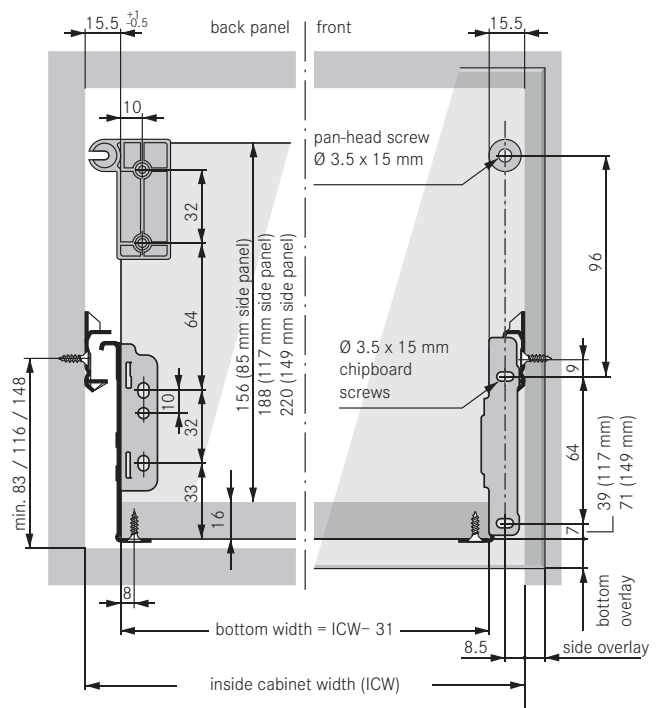
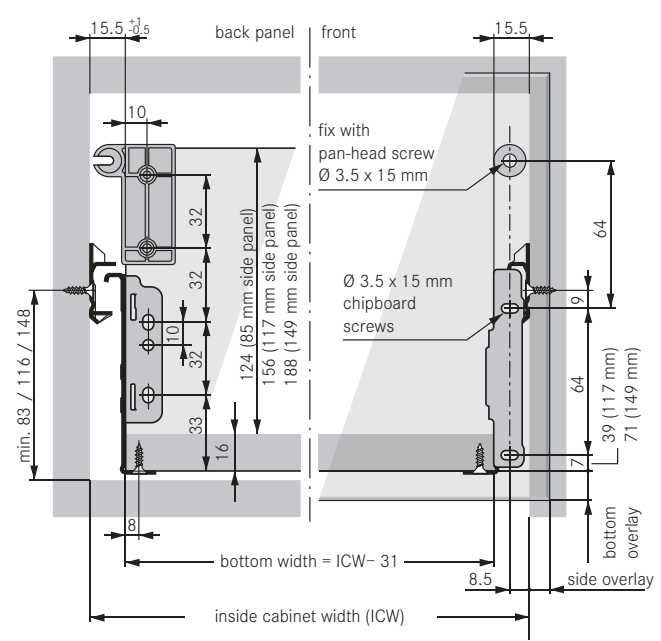


3575.2.VE20  
Divider railing clip

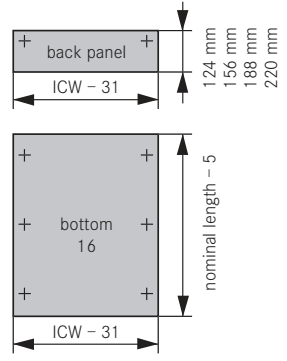
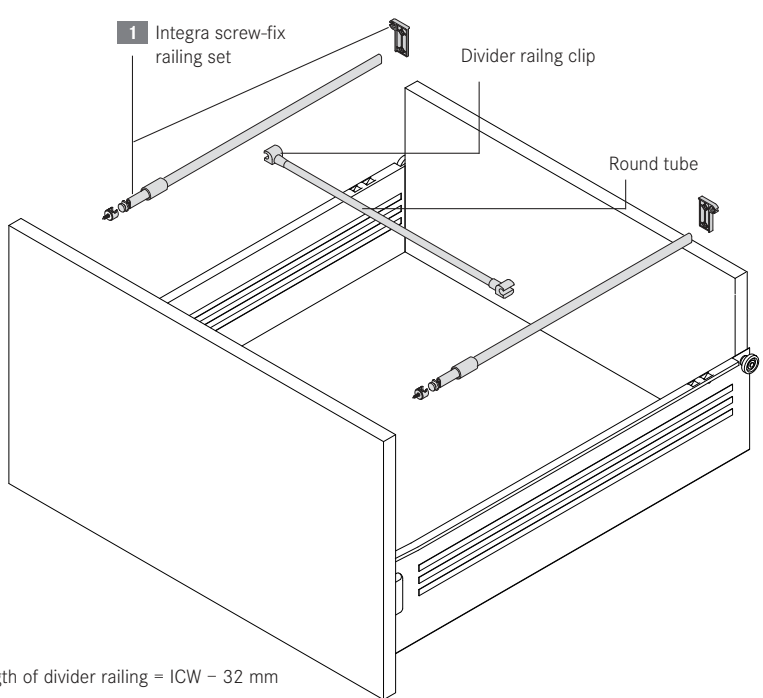


	Item No. white RAL 9010
Round tube, length 1000 mm	3570.1000.2
Divider railing clip	3575.2.VE20
PU/Packaging unit	PU 20 pcs.

**Fitting dimensions**

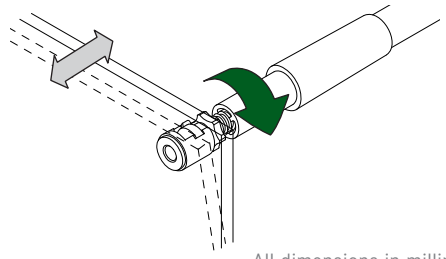


**Assembly with single-wall steel drawer system, heights 85 and 149 mm**      **Cutting dimensions for 16 mm chipboard**



**The angle of the panel can be adjusted**

by turning the adjustment screw at front



All dimensions in millimetres.

Length of divider railing = ICW - 32 mm

System information

Integra Top

Integra Quick

Full extension drawer

Interior pull-out

Railing systems

Accessories

Installation technology

Technical notes

# Integra

## Quick-mounting railing for Integra drawers with back panel in wood or steel



- Quick fitting to the panel: no tools required
- Side railing is easy to adjust by changing the tilt of the front panel
- Divider railings are adjustable for individual subdivision of the storage space
- Powder-coated aluminium tube for easy cutting to suit individual requirements

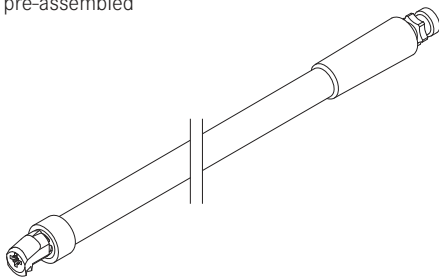
### 1 Integra quick-mounting railing



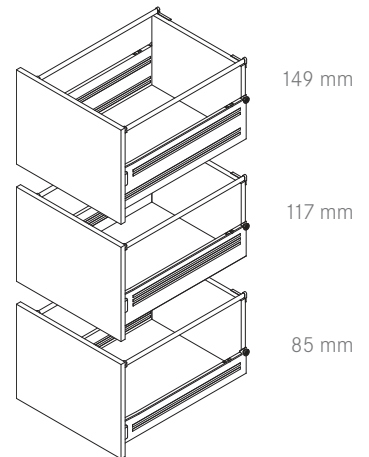
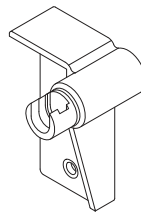
Nominal length in mm	Item No. white RAL 9010
400	3560.400.2
450	3560.450.2
500	3560.500.2
Back railing holder for wooden back panel, left	3565.L
Back railing holder for wooden back panel, right	3565.R
PU/Packaging unit	PU 100

PU 100 = 100 pcs. loose in carton

3560  
Side railing,  
pre-assembled



3565  
Railing holder for wooden back panel

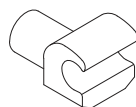


### Accessories

3570.1000.2  
Round tube for cutting  
by customer



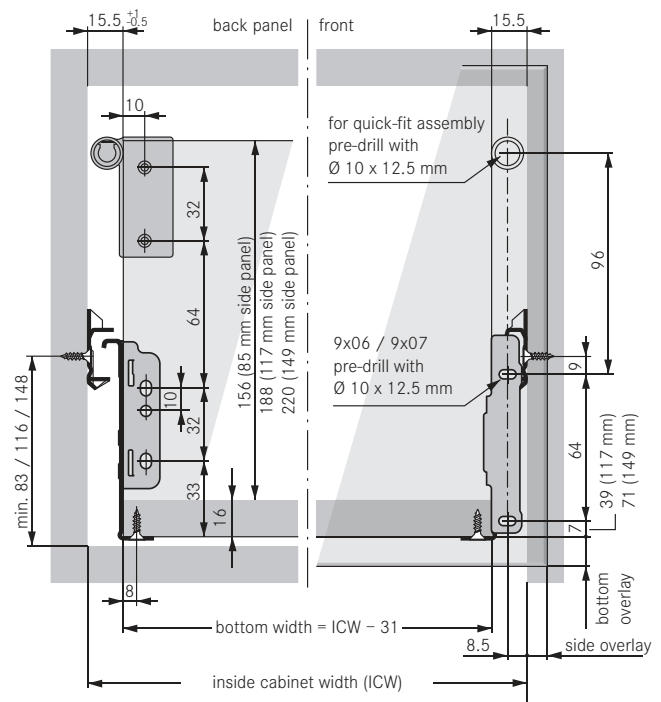
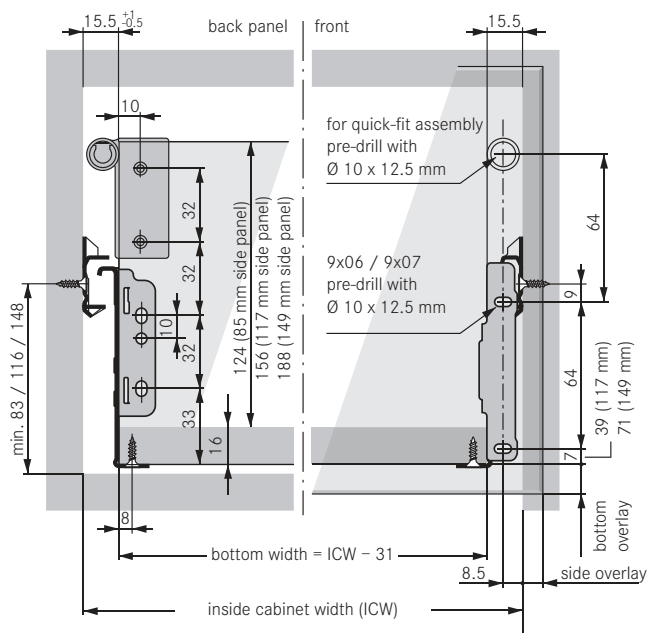
3575.2.VE20  
Divider railing clip



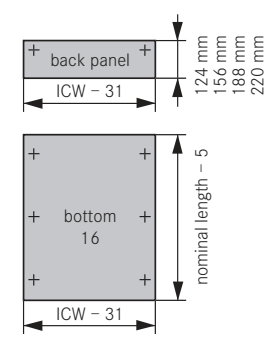
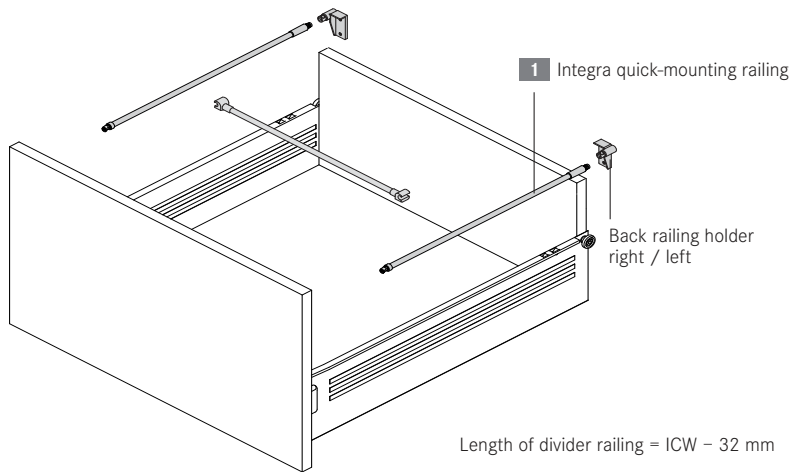
	Item No. white RAL 9010
Round tube, length 1000 mm	3570.1000.2
Divider railing clip	3575.2.VE20
PU/Packaging unit	PU 20 pcs.



## Fitting dimensions

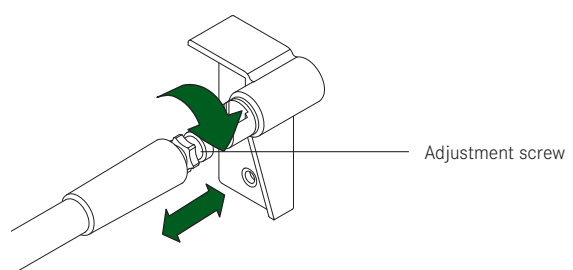


## Assembly with single-wall steel drawer system, heights 85 and 149 mm Cutting dimensions for 16 mm chipboard

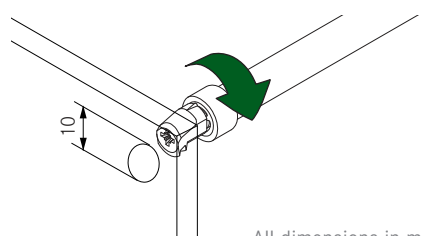


## Tilt adjustment Fitting the front panel

By turning the adjustment screw at the rear.



This panel is wedged into place by inserting the side railing into the 10 mm hole and turning it.



All dimensions in millimetres.

System information
Integra Top
Integra Quick
Full extension drawer
Interior pull-out
Railing systems
Accessories
Installation technology
Technical notes

## Integra

Railing for single or double gallery surrounded pull-out shelves with single-extension slide 1700.



- Easy and quick to install via push-fit between round tube and corner post
- Powder-coated aluminium tube for easy cutting to suit individual requirements

### Integra railing for inset pull-out shelves



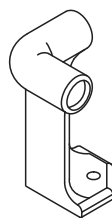
	Item No. white RAL 9010
Round tube	3570.1000.2
Corner post, single	3576.2.VE20
Corner post, double	3577.2.VE20
Divider railing clip	3575.2.VE20
PU/Packaging unit	PU 20

PU 20 = 20 pcs. loose in carton

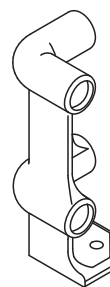
357.1000.2  
Round tube



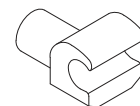
3576.2.VE20  
Corner post, single



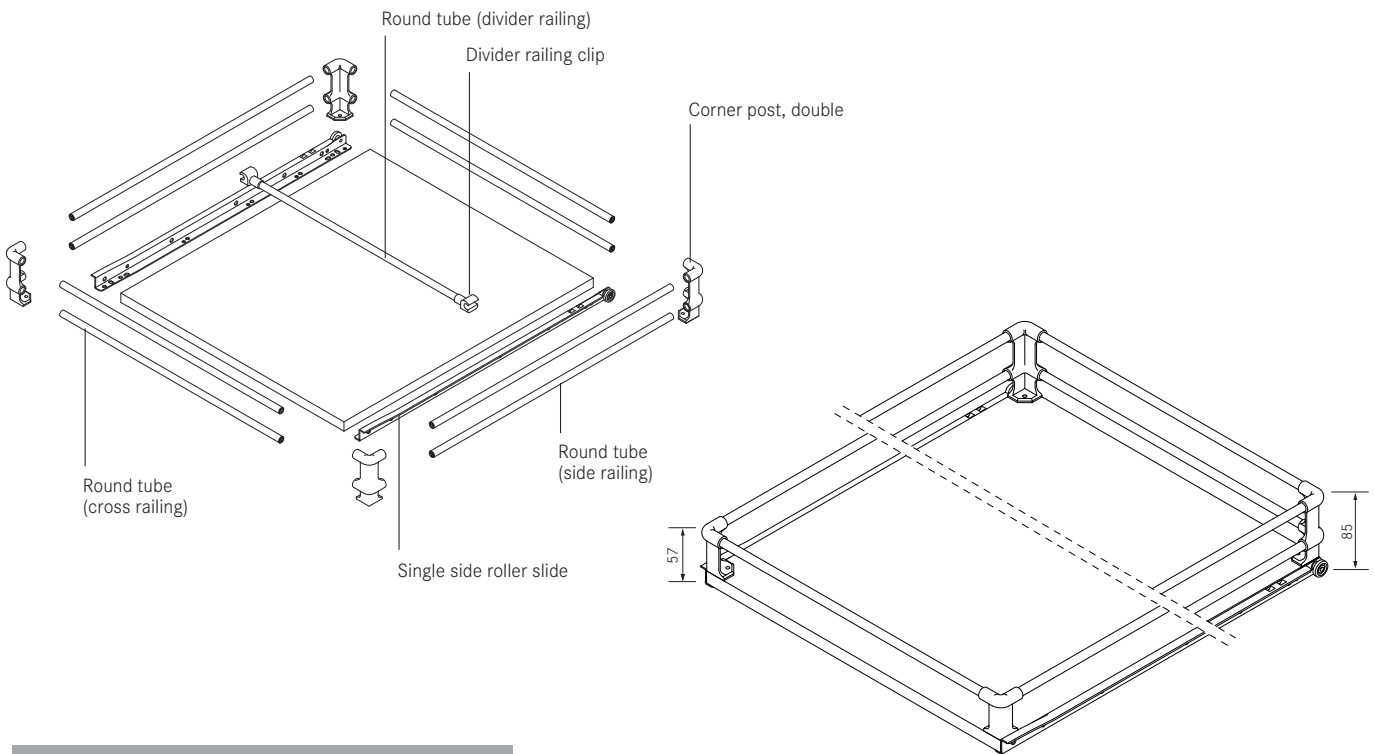
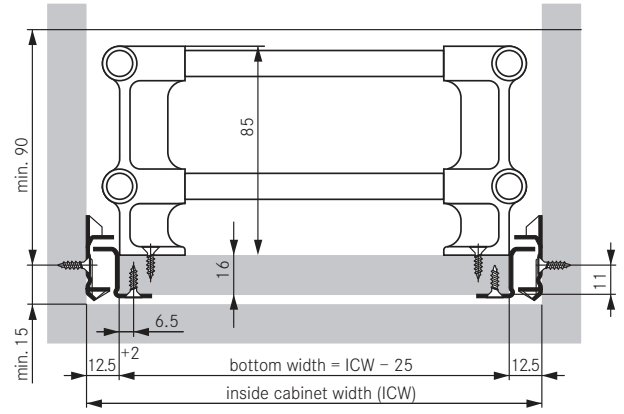
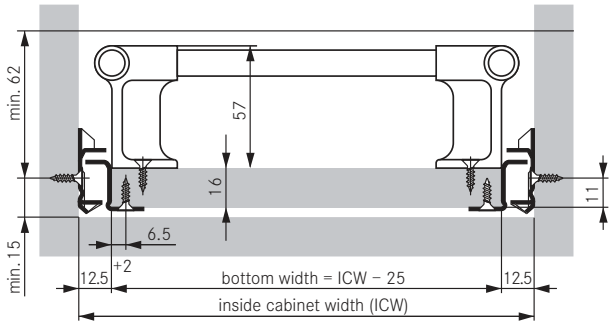
3577.2.VE20  
Corner post, double



3575.2.VE20  
Divider railing clip



**Fitting dimensions**



**Calculating the length of railings**

- Side railing = nominal length - 25 mm
- Cross railing = inside cabinet width - 33 mm
- Divider railing = nominal length - 40 mm

All dimensions in millimetres.

System information

Integra Top

Integra Quick

Full extension drawer

Interior pull-out

**Railing systems**

Accessories

Installation technology

Technical notes

# Integra

## Railing for suspension file drawer.



- Secure screw connection between front and back panel for greater strength and load capacity
- Side railing is adjustable for easy tilt adjustment of front panel
- Oval aluminium tube, natural anodised, ensures good resistance to deflection and is scratch-proof

### 1 Integra railing for suspension file drawer

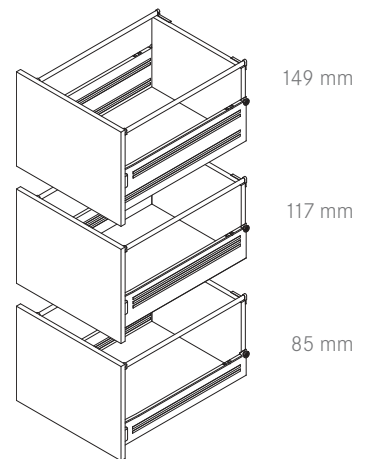
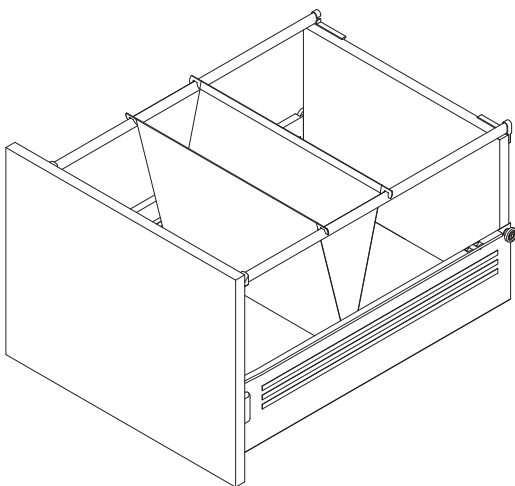


	Item No. anodised
Suspension file railing set for NL 500 mm	3595.500.22
Suspension file railing set for NL 550 mm	3595.550.22
PU/Packaging unit	PU 1/20

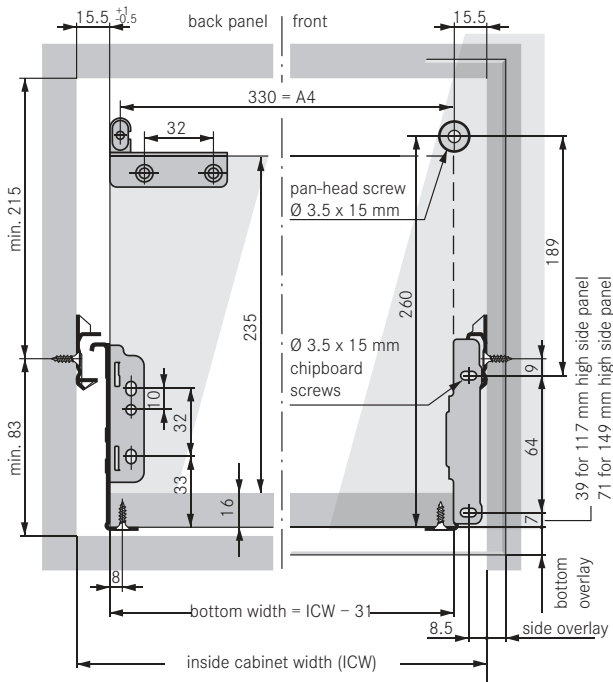
PU 1/20 = 1 set in plastic bag, 20 sets in carton

One railing set comprises:

2 side railings, 2 front fixings, 2 back railing clips, 2 cover caps

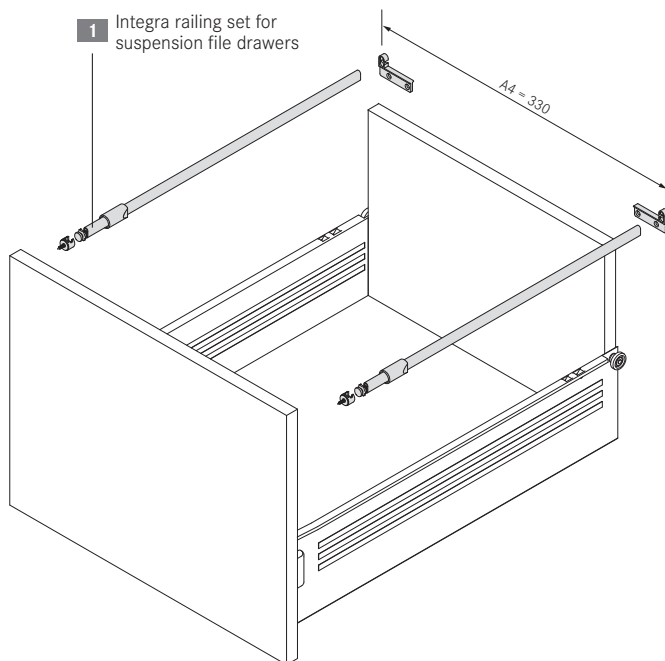


## Fitting dimensions

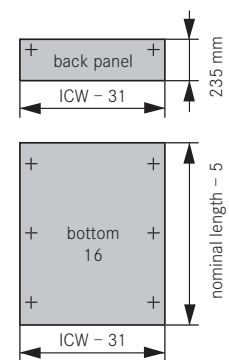


Drawing: Integra with 85 mm side height

## Assembly

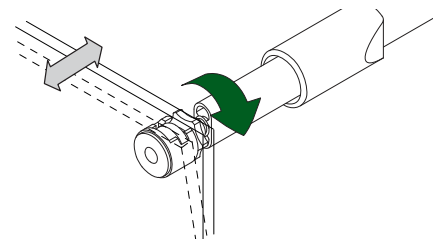


## Cutting dimensions for 16 mm chipboard



## The angle of the front panel can be adjusted

by turning the adjustment screw



All dimensions in millimetres.

System information

Integra Top

Integra Quick

Full extension drawer

Interior pull-out

Railing systems

Accessories

Installation technology

Technical notes

# Integra

## Accessories.

### Spacer, symmetrical

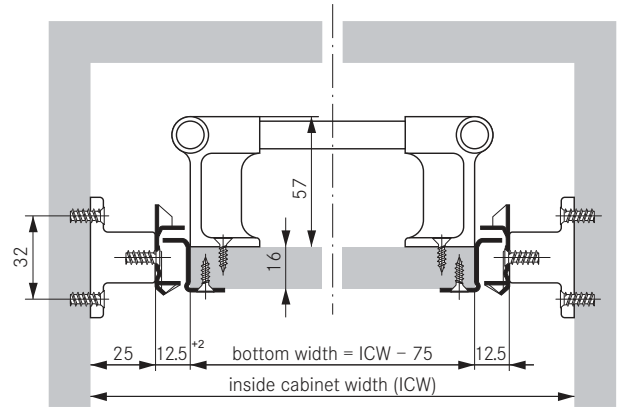


For double-sided spacing for interior pull-outs behind doors.



	Item No. natural
Spacer, symmetrical	3800.13.VE100
PU/Packaging unit	PU 100

### Application with symmetrical spacer



### Spacer, asymmetrical

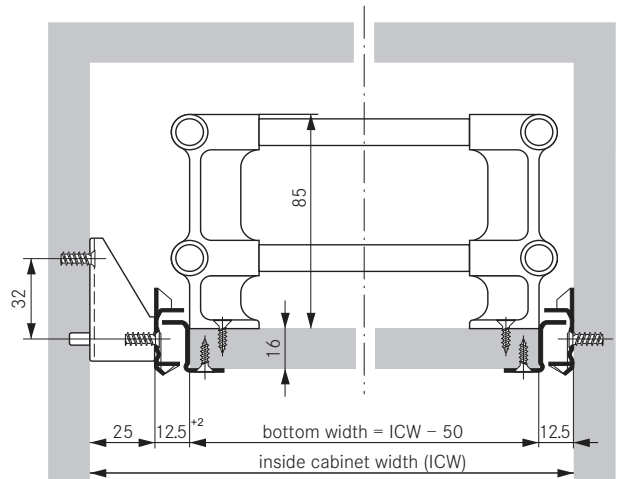


For single-sided spacing for interior drawers behind doors.



	Item No. natural
Spacer, asymmetrical	3802.13.VE100
PU/Packaging unit	PU 100

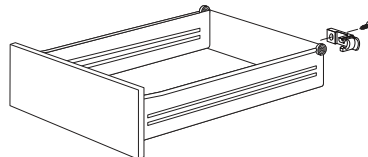
### Application with asymmetrical spacer



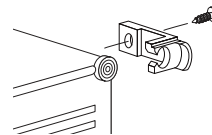
### Drawer stop for Integra single-extension pull-outs for front gap 1.5 mm



Drawer stop for holding the drawer open.



Can be fitted left and right with Integra back panel.

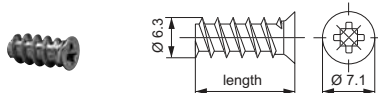


Item No.	3810.13.VE100
PU 100	

### Euro screw, nickel-plated

Item No./Ø 6.3 x 10.5 mm	Item No./Ø 6.3 x 14 mm
191	192
PU 1000	PU 1000

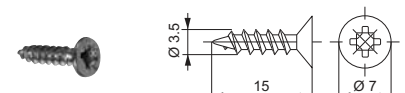
PU 1000 = 1000 pieces



### Chipboard screw, nickel-plated

Item No./Ø 3.5 x 15 mm	198
PU 1000	

PU 1000 = 1000 pieces



### Standard equipment ZMV-tp



- Simple and straightforward handling
- Sturdy construction
- For small series manufacture
- Pneumatic control
- High performance
- CE tested

Product Designation	Item No.
ZMV-tp	F146109859299
PU/packaging unit 1 pcs.	

### ZMV-fix



For the rapid assembly of double and single-wall drawer systems from Grass. Suitable for drawers and pull-outs in the Grass series up to a cabinet width of 1200mm.

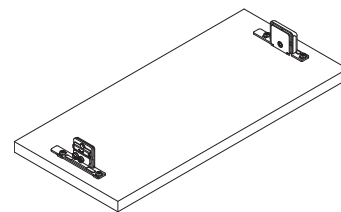
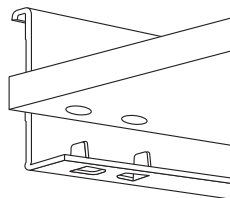
ZMV-fix	Item No.
Assembly jig	95601
PU/packaging unit 1 pcs.	

### Integrafit drilling jig



For pre-drilling or marking the fixing positions for Integra front fixings and Integra Quick bottom panels.

- Consisting of:
- Jig body
  - Marker  $\varnothing$  5 mm
  - Marker  $\varnothing$  10 mm

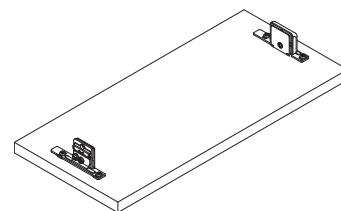


Item No.
3960
PU 1 piece

### Manual insertion die for Integra



Manual inserion die for Integra front fixings with press-fit dowels.



Manual insertion die for Integra	
Front fixing 9006	3935
Front fixing 9206	3937
Front fixing 9306	3938
Packaging unit	PU 1 piece

# Integra

Installation technology.

## Drilling jig for cabinet slide



Handy metal drilling jig for pre-drilling the cabinet slide position with pilot drill bit.

Use for:

- Integra
- single-extension roller slides
- full-extension roller slides

Item No.

2110

PU 1 piece

## Marker jig set

For front fixing 9005

Consisting of:

- Marker jig, left
- Marker jig, right
- 4 marker points



Item No.

3985

PU 100

For front fixing 92059305

Consisting of:

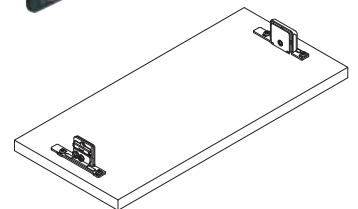
- Marker jig, left
- Marker jig, right
- 4 marker points



Item No.

3986

PU 100



## Pilot drill bit Ø 3.5 mm



Pilot drill bit for pre-drilling countersink chipboard screws, Ø 3.5 mm.

Item No.

35692

PU 1

Spare drill bit

Item No.

90561

PU 1

PU/Packaging unit 1 = 1 piece

## Screwdriver



Grass cross-head screwdriver (Pozidrive no. 2)

Item No.

10256-00

PU 1 piece

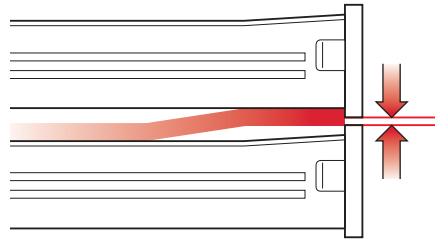


for Integra.

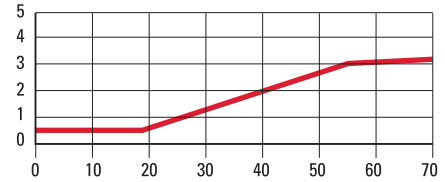
## Small minimum gap

The parallel closing action ensures that all gaps are kept to a minimum.

Minimum gap for 19 mm panel = 0.5 mm



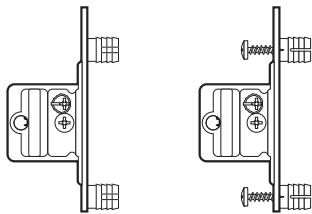
Minimum gap in mm



## Notes on assembly

Front fixing with press-fit dowel

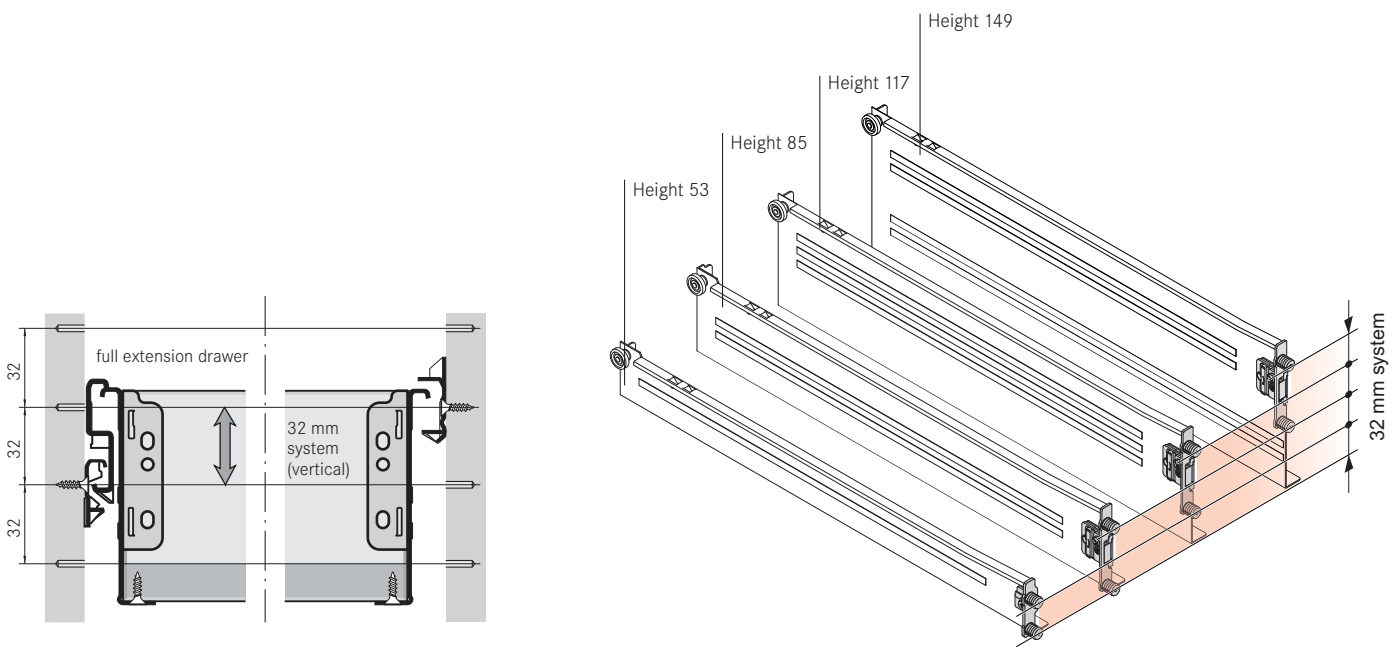
Front fixing with expanding dowel



When using front fixings with **press-fit dowels**, the dowel holes should be countersunk. Otherwise, the sharp edges of the holes in hard surface coatings, such as melamine, may strip the fins off the dowels when they are pushed in. This can lead to a significant reduction of the expanding. Alternatively, it is possible to use front fixings with **expanding dowels**, which will guarantee optimum expanding and do not require countersinking.

## 32 mm increments

Easy cabinet design based on 32 mm frame height increments.



System information

Integra Top

Integra Quick

Full extension drawer

Interior pull-out

Railing systems

Accessories

Installation technology

Technical notes

# Technical information

for Integra.

## Height adjustment with eccentric cam

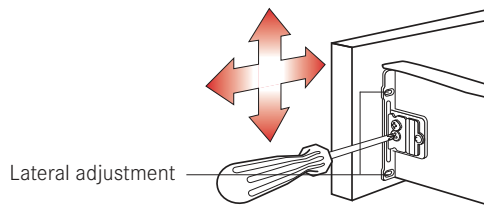
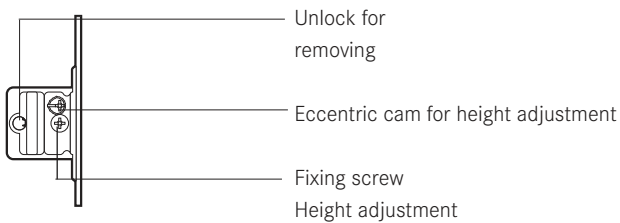
### Integra Click-on and Slide-on

These fittings are supplied from the factory with the height setting at zero. They can therefore be adjusted upwards or downwards.

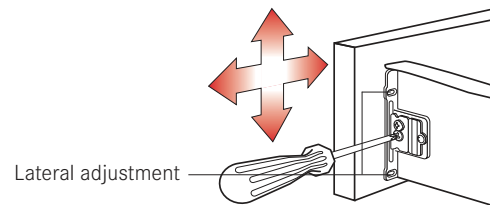
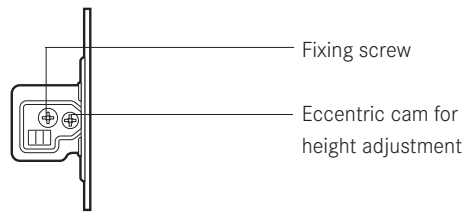
If assembly makes a correction necessary:

- Release fixing screw
- Turn the eccentric adjustment cam
- Retighten fixing screw

#### Integra Click-on

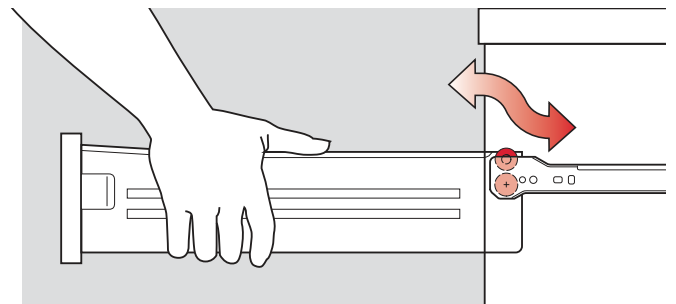
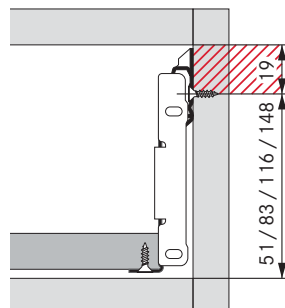


#### Integra Slide-on



## Removal space

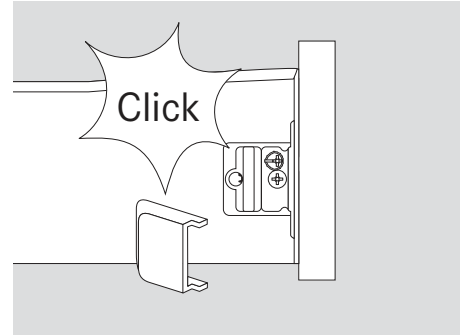
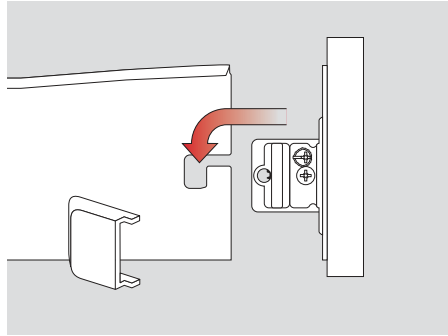
The removal space required is small as the drawer is lifted in and out with the 'rollers above the axis'



### Drawer front insertion

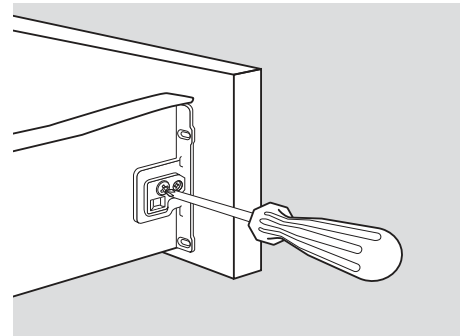
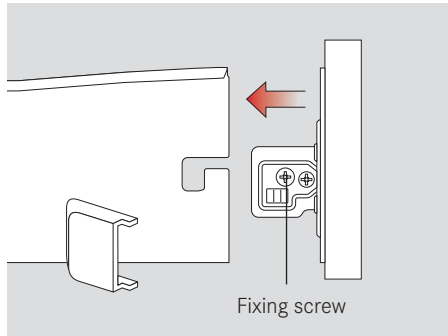
#### Integra Click-on

- 1 Insert the front
- 2 Panel will automatically click into place



#### Integra Slide-on

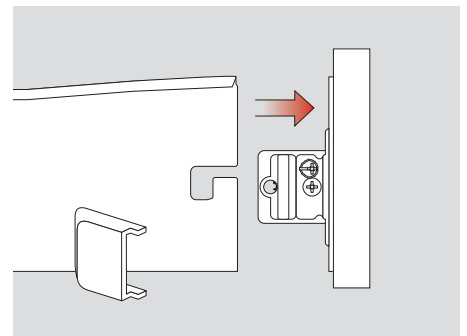
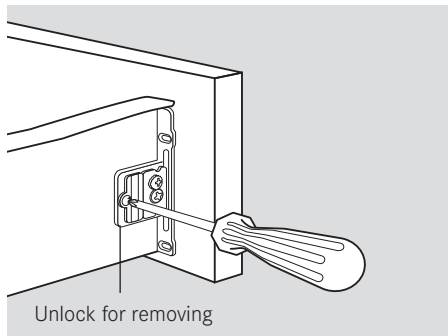
- 1 Insert the front
- 2 Fix panel with fixing screw



### Drawer front removing

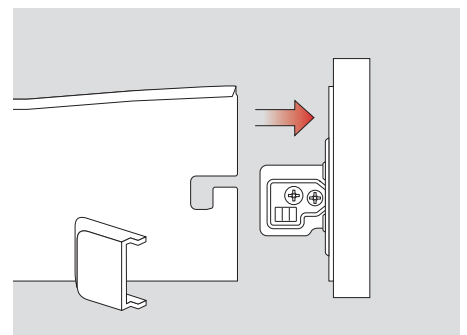
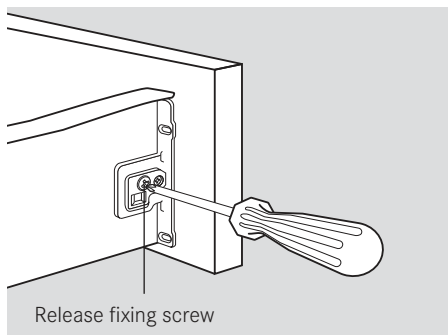
#### Integra Click-on

- 1 Detach the front by turning in the direction of the arrow
- 2 Take panel off



#### Integra slide-on

- 1 Release fixing screw
- 2 Take panel off



System information

Integra Top

Integra Quick

Full extension drawer

Interior pull-out

Railing systems

Accessories

Installation technology

Technical notes



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