Furniture Soft Closing Systems
Glissando
Product Guide

Glissando for Concealed Hinges

Add-on hinge soft closing solution

Glissando TL
Glissando TT
Glissando TL 170
Glissando AL

- effortless silent and safe door closing
- fits the hinge’s standard drilling patterns
- easy retrofit installation
- adjustable to different door sizes and weights
- perfect door motion
- doesn’t occupy additional space inside the cabinet

Stand-alone door soft closing solution

Glissando CR

- effortless silent and safe door closing
- easy retrofit installation
- adjustable to different door sizes and weights
- perfect door motion

Titusoft for Drawers

Stand-alone drawer soft closing solution

Titusoft for wooden drawers
Titusoft for metal drawers

- self closing and soft closing in single mechanism
- safe drawer closing
- easy retrofit installation
Titusoft for Sliding Doors

Stand-alone sliding door soft closing solution

Titusoft SD100
Titusoft SD100s

- effortless silent and safe door closing
- intuitive mounting
- efficient damping
- smooth and controlled closing motion
How to Choose the Right Glissando?

Titus Glissando soft closing system is available for the whole range of hinge applications. The user can choose between add-on hinge or stand-alone solutions.

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<th>Add-on hinge soft closing solutions</th>
<th>Stand-alone door soft closing solution</th>
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<td></td>
<td>Glissando TL</td>
<td>Glissando TT</td>
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<tr>
<td>T-type 110</td>
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<tr>
<td>T-type 110/15°</td>
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<td>T-type 110/30°</td>
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<td>S-type plus 110</td>
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<td>S-type 170</td>
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<tr>
<td>B-type 110</td>
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<td>B-type 170</td>
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</tr>
<tr>
<td>Hinge Ø40</td>
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</tr>
</tbody>
</table>
Glissando TT ‘one for all’

T-type

- One item fits multiple applications
- Same item can be used on all crankings and angled hinges
- Designed to fit the concealed hinge cup
- Toolless mounting
- Suitable for different types of cabinets for kitchens, living rooms, bathrooms and other furniture

T-type 110
- 0mm
- 5mm
- 9mm
- 17mm

T-type 120
- 0mm

T-type 110/15°
- 9mm

T-type 110/30°
- 9mm

T-type 110/45°
- 9mm
- 17mm

T-type 110/90°
- 17mm
Glissando TL ‘one for all’

- One item fits multiple applications
- Same item can be used on all crankings and angled hinges
- Adjustable damping enables perfect functioning on every door

S-type
- Designed to fit the concealed hinge cup
- Toolless mounting
- Suitable for different types of cabinets for kitchens, living rooms, bathrooms and other furniture

B-type

<table>
<thead>
<tr>
<th>S-type plus 110 0mm</th>
<th>B-type 110 0mm</th>
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<table>
<thead>
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<th>S-type plus 110 9mm</th>
<th>B-type 110 9mm</th>
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<td>S-type 110 9mm</td>
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<table>
<thead>
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<th>S-type 110 15mm</th>
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<thead>
<tr>
<th>S-type 110/15° 9mm</th>
<th>B-type 110/30° 9mm</th>
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<table>
<thead>
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<th>S-type 110/24° 9mm</th>
<th>B-type 110/45° 9mm</th>
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</table>

<table>
<thead>
<tr>
<th>S-type 110/30° 9mm</th>
<th>B-type 110/45° 18mm</th>
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<table>
<thead>
<tr>
<th>S-type 110/45° 9mm</th>
<th>B-type 110/90° 0mm</th>
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<table>
<thead>
<tr>
<th>S-type 110/45° 18mm</th>
<th>B-type 110/90° 18mm</th>
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</table>

<table>
<thead>
<tr>
<th>S-type 110/90° 18mm</th>
<th></th>
</tr>
</thead>
</table>
How Many Glissandos per Door?

Add-on hinge soft closing solution

Glissando TL
Glissando TT
Glissando TL 170

Mount Glissando on the bottom hinge in case of 2 hinges on the door or on the middle hinge in case of 3 hinges on the door.

Mount Glissando CR on the hinged side of the cabinet on the top or bottom.

Stand-alone soft closing solution

Glissando CR

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Titus Glissando soft closing devices can not be used with free-swinging door hinges. → see page 3.24 for details
How to Mount Glissando?

**Tool-less mounting**

Glissando TL
Glissando TT
Glissando TL 170

Simple toolless assembly: Insert Glissando into the holes on the hinge and press down with hand.

The tool-less ‘snap on’ version for reduced assembly time and flexibility of application. Glissando TL can be mounted at any time after furniture assembly so can be offered as a retro fit option by the installer.

**Screw-on into the cabinet corner**

Glissando CR

Glissando CR is mounted into the cabinet corner by using chipboard screws 20mm long.

Glissando dampers’ discreet design enhances the look of the door and occupies minimal space in the cabinet interior.

**Screw-on onto the mounting plate**

Glissando AL

Position the mounting plate below the hinge arm and fix with two screws. Use hinge mounting plate as a reference.

Slide Glissando AL onto the mounting plate.
How to Adjust Damping?

Add-on hinge soft closing solution

Glissando features quarter turn adjustment to provide optimal closing speed for any door dimensions and weight.

The damping function can be adjusted to fit different door weights which enables

· perfect door functioning
· use of the same type of Glissando for various doors

Turn towards ‘+’ to increase or towards ‘-’ to decrease the damping.

Stand-alone soft closing solution

Turn towards ‘+’ to increase or towards ‘-’ to decrease the damping.
Glissando
Titus Damper Inside

Titus Hydraulic Damper

**Efficient modular design**
- Low number of assembly parts enables quick development of customised solutions
- Engineered for efficient and high precision manufacturing
- Wide range of applications

**Wide operating scope**
- High coefficient $\gamma$ of Titus damper assures efficient damping at any closing speed
- Damping force can be easily adapted to customer needs

$$\gamma = \frac{F_H}{F_L}$$

$F_H$ – damping force at slam speed (12mm/s)
$F_L$ – damping force at slow speed (1mm/s)

**Reliable damping and closing at any speed**
Higher coefficient $\gamma$ means reliable damping at high speed and ensures that the system will reach its final position even at very slow speed
Glissando
Soft Closing Systems
for Hinges

‘ConfidentClose’
- 1 Fast closing
- 2 Late start of deceleration action
- 3 Quiet landing with “SoftTouch”

Tool-less mounting
- Reduced assembly time
- Flexible usage as a retrofit option

Adjustable damping
- Consistent performance across a broad range of furniture doors of different dimensions and weights
Easy tool-less adjustment
- Intuitive adjustment procedure
- Controllable motion

‘One for all’
- One item fits multiple applications
- Same item can be used on all crankings and angled hinges

‘Titus Damper Inside’
- Titus proprietary multi-purpose damping technology
- Reliable and consistent damping
## Glissando TL
## Glissando TT
## Add-on Hinge Soft Closing Solution

![110° Icon]

**Technical details**

<table>
<thead>
<tr>
<th>Item number</th>
<th>Item number</th>
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<tbody>
<tr>
<td>729-0K71-054</td>
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<td>951-OP59-050</td>
<td>951-OP63-050</td>
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</table>

### Glissando TT ‘snap-on’
- T-type 110
- T-type 120

### Glissando TL ‘snap-on’
- S-type plus 110
- S-type 110
- B-type 110

**Made of steel and plastic**

- 200 Pcs

**Damping force**

<table>
<thead>
<tr>
<th>Item number</th>
<th>Item number</th>
</tr>
</thead>
<tbody>
<tr>
<td>951-OX94-050</td>
<td>951-OP59-050</td>
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<tr>
<td>951-OP63-050</td>
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**Interaxis**

<table>
<thead>
<tr>
<th>Interaxis 45mm</th>
<th>Interaxis 48mm</th>
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</thead>
<tbody>
<tr>
<td>45mm</td>
<td>48mm</td>
</tr>
<tr>
<td>9.5</td>
<td>6</td>
</tr>
</tbody>
</table>

**Hinge opening angle**

- 110°, 120°
· Same item can be used on all crankings and angled hinges
· Designed to fit the concealed hinge cup and requires no extra space inside the cabinet
· Adjustable damping
· Toolless mounting

Mounting details

Toolless assembly

Glissando TL

Insert Glissando TL into the holes on the hinge

Press down

No additional drilling is required

Recommended number per door and positioning

<table>
<thead>
<tr>
<th>No. of hinges</th>
<th>Glissando TT</th>
<th>Glissando TL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>No. of Glissandos</td>
<td>No. of Glissandos</td>
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<td>5</td>
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</table>
**Glissando TL 170**
Add-on Hinge Soft Closing Solution

For T-type 170, S-type 170 and B-type 170

<table>
<thead>
<tr>
<th>Technical details</th>
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<tbody>
<tr>
<td><strong>Hinge opening angle</strong></td>
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<tr>
<td><strong>Item number</strong></td>
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<td><strong>170°</strong></td>
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<td><strong>951-0F15-650</strong></td>
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<tr>
<td>Box content</td>
</tr>
<tr>
<td>100 pcs soft closing mechanisms</td>
</tr>
<tr>
<td>100 pcs striking plates</td>
</tr>
</tbody>
</table>

**Glissando TL 170 ‘snap-on’**

Made of steel and plastic

**Soft closing mechanism**

**Striking plate**
· Gentle and reliable soft closing on doors with wider opening angle
· Fits perfectly 45/9.5mm, 48/6mm and 52/5.5mm hinge cups
· Furniture consumers’ preferred “ConfidentClose”
· Tool free mounting

Mounting details

Toolless mounting

- Insert Glissando TL 170 into the holes on the hinge cup
- Press down
- Place the striking plate into the hole on the hinge arm
- Press down

Damping adjustment

· Turn towards ‘+’ to increase and ‘-’ to decrease the damping

No additional drilling is required

Recommended number per door and positioning

<table>
<thead>
<tr>
<th>No. of hinges</th>
<th>Glissando</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1-2</td>
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<tr>
<td>2</td>
<td>2</td>
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## Technical details

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<td></td>
</tr>
<tr>
<td>972-4566</td>
<td>380</td>
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</tr>
</tbody>
</table>

**Glisando AL**

**Add-on Hinge**

**Soft-Closing System**

### Full overlay mounting plate

![Full overlay mounting plate](image)

### Half overlay mounting plate

![Half overlay mounting plate](image)

### Inset door mounting plate

![Inset door mounting plate](image)

For 20mm aluminium frame doors
· Simple mounting
· Intuitive damping adjustment

Damping adjustment

Turn towards '+' to increase and '-' to decrease the damping

Mounting procedure

Position the mounting plate below the hinge arm and fix with two screws. Use hinge mounting plate as a reference.

Slide Glissando AL onto the mounting plate

No. of hinges

Recommended number per door and positioning
# Glissando CR

Stand-alone Door Soft Closing System

## Technical Details

<table>
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<tr>
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<th>Item number</th>
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<th>Grey</th>
<th>Beige</th>
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<tbody>
<tr>
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<td>972-0X34</td>
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<td>380</td>
<td>360</td>
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</table>

*Fixing screw included in a set

<table>
<thead>
<tr>
<th>Nominal 11</th>
<th>110° 0mm</th>
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</thead>
<tbody>
<tr>
<td>Adjustment: Nominal + 5mm</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Nominal 10</th>
<th>110° 9mm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Adjustment: Nominal + 5mm</td>
<td></td>
</tr>
</tbody>
</table>

- **Glissando CR for full overlay hinges**
- **Glissando CR for half overlay hinges**

- 100 Pcs Made of plastic

- For full overlay and half overlay concealed hinges

---

2.21 Titus
Intuitive ‘place and fix’ installation in the corner of the cabinet

Tool-less damping adjustment

One item for a wide range of doors

Reliable performance

Damping adjustment

Turn towards '+' to increase and towards '-' to decrease the damping

Mounting details

Mount Glissando CR on the hinged side of the cabinet

One screw fixing

Further explanations → go to http://www.youtube.com/watch?v=8-uWs_z2d0s

The functioning of Glissando CR depends of the hinge’s closing force. A trial mounting is always recommended.

Recommended number per door and positioning

No. of hinges

<table>
<thead>
<tr>
<th>Glissando</th>
</tr>
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<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>1-2</td>
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<td>2</td>
</tr>
<tr>
<td>3+</td>
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</tbody>
</table>

Further explanations → go to http://www.youtube.com/watch?v=8-uWs_z2d0s

Technical details

Hinge opening angle

Item number

White

Grey

Beige

Glissando CR

for full overlay hinges

110° 0mm

972-0X19

350 380 360

*Fixing screw included in a set

100 Pcs Made of plastic

Glissando CR

for half overlay hinges

110° 9mm

972-0X34

380

Mount Glissando CR on the hinged side of the cabinet

Mounting details

· Intuitive ‘place and fix’ installation in the corner of the cabinet
· Tool-less damping adjustment
· One item for a wide range of doors
· Reliable performance

Damping adjustment

Turn towards '+' to increase and towards '-' to decrease the damping

Mount Glissando CR on the hinged side of the cabinet

One screw fixing

Further explanations → go to http://www.youtube.com/watch?v=8-uWs_z2d0s

The functioning of Glissando CR depends of the hinge’s closing force. A trial mounting is always recommended.

Recommended number per door and positioning

No. of hinges

<table>
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<th>Glissando</th>
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<tbody>
<tr>
<td>1</td>
</tr>
<tr>
<td>1-2</td>
</tr>
<tr>
<td>2</td>
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<tr>
<td>3+</td>
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</table>

Further explanations → go to http://www.youtube.com/watch?v=8-uWs_z2d0s

The functioning of Glissando CR depends of the hinge’s closing force. A trial mounting is always recommended.
Titusoft WD
Soft Closing System for Wooden Drawer

Technical details

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<tr>
<th>Item number</th>
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<tr>
<td>973-4451</td>
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<td>350</td>
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</tr>
</tbody>
</table>

Bag of 1
973-0X35-380-K2
- 1 Titusoft mechanism
- 1 activator
- 2 screws Ø3.5mm x 20mm
- 2 screws Ø3.5mm x 12mm
- 1 Mounting instruction sheet

Bag of 2
973-0X35-380-K1
- 2 Titusoft housings
- 2 activators
- 4 screws Ø3.5mm x 20mm
- 4 screws Ø3.5mm x 12mm
- 1 Mounting instruction sheet

Made of plastic
· Works with most roller runner drawer slides
· Easy, intuitive mounting
· Smooth soft closing action independent of drawer hardware
· Optimal closing speed
· Non handed design

Mounting details

1. Position the Titusoft mechanism on the top of the drawer slide
   Fix with 2 screws L=20mm

2. 2a
   2b

3. 3a
   3b

4. 4a
   4b

1. Rest the activator against the drawer front
2. Align the vertical position of the activator with the top of the Titusoft mechanism and mark the screw locations
3. Fix with 2 screws L=12mm

Further explanations → go to http://www.youtube.com/watch?v=U3aS2r6KC8k

A trial mounting is always recommended. Please contact Titus Group or your local distributor for further technical assistance.
Titusoft FF
Soft Closing System
for Face Frame Cabinets
with Wooden Drawer

Technical details

<table>
<thead>
<tr>
<th>Item number</th>
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<th>Zinc-plated Blue</th>
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<tbody>
<tr>
<td>973-0M99</td>
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<td>380</td>
<td>350</td>
</tr>
<tr>
<td>973-4451</td>
<td>380</td>
<td>350</td>
<td></td>
</tr>
</tbody>
</table>

Bag of 1
973-0M99-380-K1 300 Bags
- 1 Titusoft mechanisms
- 1 activators, grey
- 2 screws Ø3.5mm x 25mm
- 2 screws Ø3.5mm x 12mm
- 1 mounting instruction sheet

Titusoft mechanism
Made of plastic

Activator

250 Pcs

For wooden drawer with roller runners
Soft Closing Systems

Mounting details

1. Position the Titusoft on the top of a drawer slide
2. Screw the Titusoft mechanism to the face frame
3. Align the activator with the top of the Titusoft mechanism and fix with two screws
4. Fix with 2 (3) screws L=12mm

Capacity chart

Mount 1 or 2 Titusoft mechanisms depending on drawer weight and width

A trial mounting is always recommended. Please contact Titus Group or your local distributor for further technical assistance.
Titusoft MD
Soft Closing System for Metal Box

Item number | Grey | White | Light Blue
---|---|---|---
973-0X95 → | 380 | | |
973-0X39 → | 380 | 309 | |
973-4125 → | | | 350
973-4126 → | | | |

Bag of 1
973-0X39-380-K2
- 1 Titusoft mechanism
- 1 activator
- 1 mounting jig
- 4 screws
- 1 mounting instruction sheet

Bag of 2
973-0X39-380-K1
- 2 Titusoft mechanisms
- 2 activators
- 1 mounting jig
- 8 screws
- 1 mounting instruction sheet

Technical details
Retrofit mounting
Made of plastic

250 Pcs

Factory mounting (system holes)
Mounting details

Retrofit mounting

1. 
2. 
3. 
4. 
5. 

Factory mounting

"One-for-all" soft closing for single skin metal boxes
- Allows for easy factory mounting or retrofit application
- Intuitive positioning
- Preserve the life-time of the drawer

Capacity chart

Mount 1 or 2 Titusoft mechanisms depending on drawer weight and width

Further explanations → go to http://www.youtube.com/watch?v=QpIq8uKGbng

A trial mounting is always recommended. Please contact Titus Group or your local distributor for further technical assistance.
**Titusoft SD100**  
Add-on Damper for Sliding Door

The system consists of the following components

<table>
<thead>
<tr>
<th>Standard component</th>
<th>Quantity for 2 door cabinet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Titusoft SD100 mechanism</td>
<td>2 pcs</td>
</tr>
</tbody>
</table>

Customized components to suit the customer's sliding door system

| Base | 4 pcs |
| Stopper | 2 pcs |
| Activator for internal door | 1 pc |
| Activator for external door | 1 pc |

Accessories

| Screws | Countersunk screw D4x40mm | 4 pcs |
| Countersunk screw D4x25mm | 4 pcs |
| Chipboard screw Ø4x16mm | 3 pcs |
| Euroscrew Ø6.3x15mm | 2 pcs |

Mounting instructions | 1 pc |

32 Sets
Mount Titusoft SD100 on top rail on both sides of the cabinet. Please follow mounting instructions included in a set.

Mounting positions

Titusoft SD100 mechanism position

* Activator for internal door position

* Activator for external door position

Click to engage

For further information please contact your Titus Group representative.
### Technical details

**Released position**

- **Dimensions:**
  - Width: 320 mm
  - Length: 185.1 mm

**Loaded position**

- **Dimensions:**
  - Width: 331 mm
  - Length: 21.3 mm

---

**Titusoft SD100s**

**Add-on Damper for Sliding door**

**Item number**

- Item number: 973-9060
- Quantity: 380

**Technical details**

- **The system consists of the following components**
  - **Standard component:** Titusoft SD100s mechanism
  - **Customized components to suit the customer's sliding door system:**
    - Attachment base

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**Activator and attachments are custom made components → must be designed to suit customer's system**

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**Drawings show example with components presented above**
· Non-handed design
· Effortless door opening with low pull-out force
· Efficient damping on different door sizes
· Slim design for concealed application

Mounting details

Non-handed design

Mount Titusoft SD100s on top rail on both sides of the cabinet.

Mounting position

Titusoft SD100s is mounted into the top profile

Fit various U and double U shaped profiles

Space requirements

Slim design with 30mm height allows for concealed application

For further information please contact your Titus Group representative.