Sliding door system for modern furniture design:

SlideLine M
Everyone does it: Slide it. Love it.

People like to keep it simple. On their tablet PCs. On their smartphones. The revolutionary aesthetic appeal of virtual sliding fascinates millions: gentle, flowing movement, simply at the touch of a finger.

But sliding in the real world is captivating more and more people: cars that provide real practical value come with a sliding door; a sliding sunroof creates a sensation of openness and space, and at home there we are sliding panel curtains and doors, whether as room dividers or on furniture.

The trend towards sliding is also opening new doors for you: Hettich gives you sliding door systems that go perfectly with your furniture ideas. For bedroom, living room, office and kitchen furniture.

Are you open to a new love? Welcome to Hettich.
Ergonomics

Always in reach. Never in the way.

In terms of ergonomics and convenience, sliding doors are a cut above any other door system. That’s clear to see in everyday use: open sliding doors don’t get in the way where space is at a premium. Open doors on wall units are not likely to leave you injured. Sliding doors are also easy to open without stretching or dodging out the way.

Design

Unadulterated form. Distinctive surfaces.

Sliding doors provide the key to picking up on modern, spacious interior design and cleverly carry it through in furniture. Because large surface doors, particularly with flush fitted sliding door systems, are the ideal creative element for purist interior design.

Hettich sliding door systems impress with narrow reveals that hardly detract from the homogeneous look of furniture fronts. Only a few reveals are visible on large format fronts anyway; elegant fascias reduce the number of reveals to a minimum.

Easy precision adjustment provides superb finished results with perfect gap alignment.

Functionality

Easy to begin with. Then quiet.

Sliding doors are particularly good at meeting the demands users place on cabinet doors today: they are easy to open and close. The ergonomic benefit of linear door movement (see page 3) is optimised further still by low opening forces. Convenient Silent System closes the sliding door quietly and gently.

Altogether, Hettich sliding door systems leave no margin of doubt with reliable quality, superb smooth gliding action and long life.
One system, many applications: SlideLine M
Design in motion

SlideLine M upgrades the practical value and design of furniture: living room units and shelf systems, kitchen wall units, bathroom furniture and office cabinets. The versatile system is ideal for all common furniture constructions. Wooden / glass or aluminium framed door weighing up to 30 kg can be installed quickly and easily. Profiles are available for several shelf thicknesses.

Letting doors slide past each other in one profile isn’t a problem either. The Silent System is integrated in the running component and slows doors down in closing, opening and colliding direction.

Technical details in brief

- Single track bottom running sliding door system
- Wooden, glass or aluminium framed doors
- Doors weighing up to 30 kg
- Shelf thicknesses 15, 16, 18, 19, 22, 25, 38 mm
- Height adjustment +/- 2 mm
- Silent System in closing, opening and colliding direction
- Fast installation of front without need for tools
- Tested to DIN EN 15706
Scope for new ideas: **SlideLine M**

It's your ideas that decide

SlideLine M turns simple shelf units into attractive pieces of practical furniture with a look that can be varied all the time: moving the doors to different positions creates ever changing constellations of open and closed elements. This gets things moving in furniture design. And never fails to please. It’s your ideas that decide. Discover the wealth of applications for SlideLine M.
Product benefits at a glance

High creative flexibility from different door materials

SlideLine M gives you all the options in designing your furniture – can be used for wooden, aluminium framed or glass doors weighing up to 30 kg.

Easy installation on the assembled carcase

The SlideLine M system uses runner profiles that are quick and easy to install – as they simply screw into place. Cleverly designed mounting accessories means it only takes one person to install the system. As all installation steps are carried out from the front and not from the side, SlideLine M can be used for creating wall to wall units without a problem.

Neat look.

Discreetly vanishing into the background, SlideLine M’s working components don’t intrude on the design of furniture. With the profile projecting by a mere 8 mm, sliding doors can be mounted for a particularly close hugging fit. Two doors can cross each other in just one profile.

Different shelf thicknesses?

Not a problem: different profile sets in profile heights of 16 – 38 mm provide perfect positive locking solutions. And the silver or black decorative profile blends elegantly into the design of furniture.
Even gaps, perfect design.

Sliding doors can be perfectly aligned with the integrated height adjuster (+/- 2 mm).

First-class soft closing action:
Silent System

Perfectly soft stopped sliding doors underscore the quality of furniture. Silent System is unobtrusively integrated in SlideLine M’s runner component and closes doors gently and quietly.

And where several sliding doors run side by side in one profile, Silent System in colliding direction can slow them down as they move towards each other.

Tool-less fast installation

Save time and effort: the SlideLine M system makes easy, fast work of installing sliding doors. After pulling the guide component down by means of a spring mechanism, it can be inserted and engaged in the top profile without the need for tools. Runner and guide components simply screw into place – no special work needs to be carried out on the fronts.
Sliding door system

- **SlideLine M**
- **System components**

## Set of fittings for doors without Silent System

Set comprises:
- 2 running components without Silent System
- 2 guide components
- 2 end stops
- 4 guide bushes
- Fixing screws for wooden doors

<table>
<thead>
<tr>
<th>Door material</th>
<th>Quantity required for one door</th>
<th>minimum door width in mm</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden door, Door with 55 mm aluminium frame*</td>
<td>1 set</td>
<td>300</td>
<td>9 156 339</td>
<td>1 set</td>
</tr>
</tbody>
</table>

* The sets of fittings can be used for wooden or 55 mm aluminium frame doors without additional upgrade sets. Please note that appropriate self tapping screws must be used for installing the running and guide components on the 55 mm aluminium frame.

## Set of fittings for doors with Silent System (in closing, opening and colliding direction)

Set comprises:
- 2 running components with Silent System
- 2 guide components
- 2 end stops
- 2 guide bushes
- Fixing screws for wooden doors
- 1 Silent System in colliding direction

<table>
<thead>
<tr>
<th>Door material</th>
<th>Quantity required for one door</th>
<th>minimum door width in mm</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden door, Door with 55 mm aluminium frame*</td>
<td>1 set</td>
<td>450</td>
<td>9 156 338</td>
<td>1 set</td>
</tr>
</tbody>
</table>

## Upgrade set for 19 mm aluminium frame doors without Silent System

Set comprises:
- 2 guide component mounting adapters
- 2 mounting adapters for running components without Silent System
- 4 L shaped corner straps
- 2 guide bushes
- Fixing screws

Please refer to page 15 for the cross section of suitable aluminium frame profiles.

<table>
<thead>
<tr>
<th>Door material</th>
<th>Frame colour</th>
<th>Quantity required for one door</th>
<th>Set of fittings additionally required</th>
<th>Minimum door width in mm</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 mm aluminium frame doors</td>
<td>Silver</td>
<td>1 set</td>
<td>9 156 339</td>
<td>300</td>
<td>9 184 629</td>
<td>1 set</td>
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<tr>
<td>19 mm aluminium frame doors</td>
<td>Black</td>
<td>1 set</td>
<td>9 156 339</td>
<td>300</td>
<td>9 184 706</td>
<td>1 set</td>
</tr>
</tbody>
</table>

## Upgrade set for 19 mm aluminium frame doors with Silent System

Set comprises:
- 2 guide component mounting adapters
- 2 mounting adapters for running components with Silent System
- 4 L shaped corner straps
- 2 guide bushes
- Fixing screws

Please refer to page 15 for the cross section of suitable aluminium frame profiles.

<table>
<thead>
<tr>
<th>Door material</th>
<th>Frame colour</th>
<th>Quantity required for one door</th>
<th>Set of fittings additionally required</th>
<th>Minimum door width in mm</th>
<th>Order no.</th>
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</thead>
<tbody>
<tr>
<td>19 mm aluminium frame doors</td>
<td>Silver</td>
<td>1 set</td>
<td>9 156 338</td>
<td>450</td>
<td>9 184 626</td>
<td>1 set</td>
</tr>
<tr>
<td>19 mm aluminium frame doors</td>
<td>Black</td>
<td>1 set</td>
<td>9 156 338</td>
<td>450</td>
<td>9 184 703</td>
<td>1 set</td>
</tr>
</tbody>
</table>
Upgrade set for screw mounted glass doors without Silent System

Set comprises:
- 2 screw on mounting adapters for guide components
- 2 screw on mounting adapters for running components without Silent System
- 8 discs for running and guide components, including washers, bushings and cover caps
- 2 guide bushes
- 4 cover films
- 1 special tool
- Fixing screws

<table>
<thead>
<tr>
<th>Door material</th>
<th>Quantity required for one door</th>
<th>Set of fittings additionally required</th>
<th>Minimum door width in mm</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 mm glass door</td>
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<td>9 156 339</td>
<td>300</td>
<td>9 184 596</td>
<td>1 set</td>
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</tbody>
</table>

Upgrade set for screw mounted glass doors with Silent System

Set comprises:
- 2 screw on mounting adapters for guide components
- 2 screw on mounting adapters for running components with Silent System
- 8 discs for running and guide components, including washers, bushings and cover caps
- 2 guide bushes
- 4 cover films
- 1 special tool
- Fixing screws
- For use with 2-component adhesive
- Supplied without adhesive
- Material: zinc alloy to DIN EN 12844-ZP5

<table>
<thead>
<tr>
<th>Door material</th>
<th>Quantity required for one door</th>
<th>Set of fittings additionally required</th>
<th>Minimum door width in mm</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 mm glass door</td>
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<td>450</td>
<td>9 184 595</td>
<td>1 set</td>
</tr>
</tbody>
</table>

Upgrade set for glue mounted glass doors with Silent System

Set comprises:
- 2 adhesive mounting adapters for guide components
- 2 adhesive mounting adapters for running components with Silent System
- 6 overrun strips
- 1 special tool

<table>
<thead>
<tr>
<th>Door material</th>
<th>Quantity required for one door</th>
<th>Set of fittings additionally required</th>
<th>Minimum door width in mm</th>
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</thead>
<tbody>
<tr>
<td>Glass door</td>
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<td>450</td>
<td>9 184 566</td>
<td>1 set</td>
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</table>

Installation instructions:
The adapters must be glued to the glass door by the specialised fabricator who must also select an adhesive and gluing method suitable for the door’s specific properties. The fabricator must make sure that the bond is permanently capable of taking up the forces that are produced by the SlideLine M’s intended use (see page 19). Hettich accepts no responsibility for gluing the adapter on correctly.
Sliding door system

- SlideLine M
- System components

Profile sets: 2 profiles

Set comprises:
- 2 aluminium anodised runner profiles, perforated
- 2 clip on aluminium decorative profiles
  or 2 glue on ABS decorative profiles
- 4 end caps
- 4 end caps (replacement)
- 2 end stops
- 4 end stops (replacement)
- 2 mounting clips
- Fixing screws

All profile sets available in the following specification:

<table>
<thead>
<tr>
<th>Profile height mm</th>
<th>Shelf thickness in mm</th>
<th>Decorative profile</th>
<th>Colour</th>
<th>Length in mm*</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
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<td>9 157 984</td>
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<td>9 158 386</td>
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</tr>
</tbody>
</table>

* Customised lengths on request
### Sliding door system

- **SlideLine M**
- **System components**

#### Profile sets: 1 profile

![Profile set image](image)

Set comprises:
- 1 aluminium anodized runner profile, perforated
- 1 clip on aluminium decorative profile
- or 1x glue on ABS decorative profile
- 2 end caps
- 2 end caps (replacement)
- 2 end stops
- 2 end stops (replacement)
- 2 mounting clips
- Fixing screws

All profile sets available in the following specification:

<table>
<thead>
<tr>
<th>Profile height mm</th>
<th>Shelf thickness in mm</th>
<th>Decorative profile</th>
<th>Colour</th>
<th>Length in mm*</th>
<th>Order no.</th>
<th>PU</th>
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</thead>
<tbody>
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</tr>
</tbody>
</table>

* Customised lengths on request

#### Decorative profile (accessories / replacement)

- Self adhesive
- Easily shortened

<table>
<thead>
<tr>
<th>Profile height mm</th>
<th>Colour</th>
<th>Length mm</th>
<th>Order no.</th>
<th>PU</th>
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</thead>
<tbody>
<tr>
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<td>9 161 012</td>
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</tr>
</tbody>
</table>
Wooden door / 55 mm aluminium frame door with Silent System

Wooden door, 55 mm aluminium frame door without Silent System
19 mm aluminium frame door with Silent System

Suitable for aluminium framed profiles:

19 mm aluminium frame door without Silent System

Suitable for aluminium framed profiles:
Screw mounted glass door with Silent System

Screw mounted glass door without Silent System
Sliding door system

- **SlideLine M**
- **Planning dimensions**

**Glue mounted glass door with Silent System**
Quality that meets all the demands

The quality of sliding door systems is subject to a process of continuous monitoring. Hettich fittings comply with the national and international quality standards of the markets our customers operate in. The diagrams below show examples of the principles behind some of the testing processes.

<table>
<thead>
<tr>
<th>Quality that meets all the demands</th>
<th>SlideLine M with Silent System (9 156 338)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Endurance test</td>
<td>Endurance test over 40,000 cycles</td>
</tr>
<tr>
<td></td>
<td>Closing test with a pulling force of 4 kg</td>
</tr>
<tr>
<td></td>
<td>Lift out test at 250 N</td>
</tr>
<tr>
<td></td>
<td>Load test in horizontal direction at 250 N</td>
</tr>
<tr>
<td>SlideLine M without Silent System (9 156 339)</td>
<td>Endurance test over 10,000 cycles</td>
</tr>
<tr>
<td></td>
<td>Closing test with a pulling force of 2 kg</td>
</tr>
<tr>
<td></td>
<td>Lift out test at 150 N</td>
</tr>
<tr>
<td></td>
<td>Load test in horizontal direction at 150 N</td>
</tr>
</tbody>
</table>

**Endurance test**

The door is required to withstand a specific number of opening and closing cycles at a defined speed.

![Endurance test](image1)

- SlideLine M with Silent System (9 156 338)
  - Endurance test over 40,000 cycles
  - Closing test with a pulling force of 4 kg
  - Lift out test at 250 N
  - Load test in horizontal direction at 250 N

- SlideLine M without Silent System (9 156 339)
  - Endurance test over 10,000 cycles
  - Closing test with a pulling force of 2 kg
  - Lift out test at 150 N
  - Load test in horizontal direction at 150 N

**Closing test**

The door must withstand a specific number of closing cycles under a defined tensile load.

![Closing test](image2)

**Lift off guard**

The door is pulled up and forwards at an angle with a defined force and must not come off or fall out of the carcase.

![Lift off guard](image3)

**Horizontal safety test**

Pressure is applied to the middle of the door with a defined force. The door must not come off or fall out of the carcase.

![Horizontal safety test](image4)

Tested to DIN EN 15706
Intended Use

The SlideLine M furniture fitting is intended for application in furniture and use in dry indoor environments where it is protected from the elements. The version of the fitting with Silent System meets the requirements under DIN EN 15706 Level 3. The version of the fitting without Silent System meets the requirements under DIN EN 15706 Level 1.

Technical specifications

| Door weight:            | up to 30 kg  
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Door format:</td>
<td>Min. Max.</td>
</tr>
<tr>
<td>Width:</td>
<td>300 mm 1800 mm</td>
</tr>
<tr>
<td>Height:</td>
<td>300 mm 2000 mm</td>
</tr>
<tr>
<td>Max. height H for width W:</td>
<td>H ≤ 2 W</td>
</tr>
<tr>
<td>Shelf thicknesses:</td>
<td>15 mm, 16 mm, 18 mm, 19 mm, 22 mm, 25 mm, 38 mm</td>
</tr>
<tr>
<td>Height adjustment:</td>
<td>+/- 2.0 mm</td>
</tr>
</tbody>
</table>

When constructing furniture, it is important to note that the sliding door must be no higher than twice its width. Up to this relative height, SlideLine M meets the above stated quality and safety requirements under DIN EN 15706. If the specified maximum relative height is exceeded, the furniture construction must undergo a function and safety test as defined in the relevant furniture standard. Under DIN EN 15706 Level 1, the version of the fitting without Silent System is approved for use if it passes the 2 kg closing test provided for there. If a higher loading capacity is to be reached, e.g. on the grounds of requirements defined in a relevant furniture standard, this must be ensured by the fabricator in terms of furniture design (e.g. inset installation).

Safety risk

The SlideLine M sliding door fitting is only suitable for applications in which the design of furniture and its dimensional accuracy are capable of ensuring that the top and bottom runners always remain parallel (i.e. even where a particularly heavy load is weighing on a fixed shelf / top or bottom panel to which a runner is connected, for example) with a tolerance of no more than +/- 1.5 mm (+/- 1 mm for 16 mm shelves / panels) from the specified distance between both runners. Any failure to meet this requirement, e.g. as a result of sag in the panel to which the bottom runner is mounted, presents a safety risk (door falling out of the runner) that may cause personal injury. The stops must be securely mounted in the profile (see Fig. 1a/1b) or safety could be put at risk (from door coming off at side) which may result in personal injury.
1. Installing end stops

Z = a + 16,5

Z = a + 11,5

16 mm
18 mm
22 mm
38 mm

1. Installing end stops

Sliding door system

- SlideLine M
- Installing profile sets: 16 mm, 18 mm, 22 mm, 38 mm
Sliding door system

- SlideLine M
- Installing profile sets: 16 mm, 18 mm, 22 mm, 38 mm

2. Installing end caps

3. Installing profiles
1. Installing end stops

- Install profile set: 25 mm

- Sliding door system
  - SlideLine M

\[ Z = a + 16,5 \]
\[ Z = a + 11,5 \]

- WARNING: Check dimensions as per installation guide.
Sliding door system

- SlideLine M
- Installing profile set: 25 mm

2. Installing end caps

3. Installing profiles
Installing fitting set

Installing door
Sliding door system

- SlideLine M
- Installation

Aligning door

Securing door
Hettich takes a responsibility for the world we live in. This awareness defines the strict policy of environmental management we practise. Our environmental officer has taken personal responsibility for these aspects throughout the group of companies over a period of many years. In addition, a separate environment committee has been established for each production site. We regard statutory provisions as minimum requirements. At significant sites we also implement the stringent EMAS Regulation. And we drive forward developments that in future will help to save even more raw materials and support the necessary endeavours towards sustainability.

**Hettich environmental management**

In 1996 Hettich started introducing effective environmental management systems under the stringent EMAS Regulation (currently: EC Regulation No. 761/2001, including EN ISO 14.001/2004). This not only enables us to improve our environmental performance on a broad front but also achieve a high level of safety which, not least, also benefits our customers. This is why we also require our suppliers to meet the necessary minimum standards of environmental protection, industrial safety, health care and social welfare.

The results achieved in the drawer runner and drawer system product segment at the Kirchlengern operation illustrate the impressive effects these measures have and verifiably demonstrate our tireless endeavours to translate words into action:

**Relief to the environment between 1997 and 2008:**

- Specific water consumption: 56 per cent
- Specific power consumption: 21 per cent
- Specific heat consumption: 84 per cent
- Specific CO₂ emissions: 29 per cent
**Hettich standard for product materials**

Hettich underpins its commitment by applying an internal standard for product materials. This ensures that every product – from production to disposal – satisfies all environmental requirements. Hettich products are durable. Appropriately foresighted, our rigorous standards are formulated to ensure that international legislation is met as well. This provides a reliable basis for marketing furniture worldwide.

**Zero energy building – Hettich Forum**

The Hettich Forum building with its neutral energy balance is a shining example of future proof building design. Photovoltaic panels and solar collection system providing hot water as well as extensive roof greening and use of rain water underscore this building’s overall sustainability concept in just the same way as the broad use of cellulose insulation material from recycled newspapers, highly efficient heat recovery and the bulb free lighting concept do.

With the Hettich Group having acquired European Commission GreenBuilding Partner status on 5 March 2009, the comprehensive approach demonstrated by the Hettich Forum has also convinced the adjudicating panel of the national "Green Building Award 2009". Hettich received the first prize to be presented in the "New Building" category.