Bringing rooms together:
Architectural sliding door system
TopLine Grant SD / HD
Thank you for choosing Hettich!

Outstanding engineering achievements. Entrepreneurial courage. And a reliable instinct for the needs of the market. These are the cornerstones of Hettich’s success – the same ones we’ve been building on for over 125 years. Back in 1888 Karl Hettich designed a machine that revolutionized the production of anchor escapements for Black Forest cuckoo clocks. In 1928, August Hettich turned towards the furniture industry with an innovative production line for piano hinges.

Encouraged by further achievements, brothers Paul, August and Franz Hettich set up a new company at Herford in 1930. Kirchlengern became headquarters in 1966. Our company has been a wholly owned family business ever since – now with Dr. Andreas Hettich at the helm as the fourth generation managing director.
Architectural sliding door system
TopLine Grant SD / HD
## Architectural sliding door system
- TopLine Grant SD / HD / XHD
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For further information, go to https://www.hettich.com/short/22611b
- Detailed installation instruction
- CAD data
- Assembly video
Whether space efficient sliding door systems for small flats or spacious solutions for the loft apartment, sliding door solutions from Hettich make spaces more attractive, practical and versatile.

In modern, spacious interior design, sliding door systems are the perfect creative element for any room. Because large surface doors impressively pick up on purist room aesthetics and create versatile practical/living spaces.
Yet sliding doors also lend an attractive simplicity and sense of space to small rooms while optimizing storage efficiency.

Discover home living with a new, individual touch and get the ultimate in ergonomic practicality and use of space. Make more of your rooms – with sliding door systems from Hettich.
Easy and convenient to use:
TopLine Grant SD/HD

Opens and closes very heavy doors in silence:
The first soft stop system for doors weighing up to 147 kg.
Gentle movement:
Minimal opening force provides practical convenience. A simple movement of the hand is all it takes to open and close the door gently.

Protects Fingers. Gentle on doors:
Silent System automatically slows the door down as it closes, bringing it to a gentle halt. All very safely.

Barrier-free without trip hazard:
No profiles on the floor. A small floor guide is all it takes to keep the door straight.
A perfect design supplement: TopLine Grant SD/HD

Narrow doors, full convenience: Soft opening and closing capabilities for doors with a minimum width.

Design perfectly complemented: Narrow reveals can be produced by the low head profile system.

Well balanced design, perfect convenience: Silent System invisibly integrated in the profile.
Easy to install:
TopLine Grant SD/HD

End stop and activator are easy to fit:
Just screws on to the track. No pre-drilling necessary. No irritating aluminum chips in the profile. Positioning easily adjusted.

Takes up very little space:
Silent System can be inserted into the profile with a minimum of space.

Easy installation:
Have a look on our installation animation for Grant SD / HD.

http://www.hettich.com/short/6bcfac
Sliding door system for rooms

- Application overview

The right system for your door weight

- **Grant SD**
  - Up to 68 kg

- **Grant HD**
  - Up to 147 kg

Final design tuning for wall mount applications

- Endcap for wall mount applications without fascia
- Endcap for wall mount applications with fascia

Choose your gap-design

- **Basic**
  - For pocket doors and applications with wooden or no fascias

- **Fascia**
  - Hardware is hidden by an aluminum fascia

- **Low profile**
  - Hardware is hidden in the door. Small gaps up to 4 mm

Choose your level of comfort

- **With Silent System**
  - The fully concealed Silent System brings softly cushioned action to sliding doors in every direction: in opening and in closing

- **Without Silent System**
  - End stops hold door in place

Wall or header mount

- **Wall mount**
  - The wall mount bracket is ideal for single and bi-parting applications

- **Header mount**
  - For traditional header mounted pocket and sliding doors

Keep the door aligned

- Floor guide
**Architectural sliding door system**

- **Range summary / technical comparison**

<table>
<thead>
<tr>
<th></th>
<th>TopLine Grant SD</th>
<th>TopLine Grant HD</th>
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<tbody>
<tr>
<td><strong>Page</strong></td>
<td>12 – 21</td>
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<tr>
<td><strong>Door weight</strong></td>
<td>68 kg max.</td>
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</tr>
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<td><strong>Application</strong></td>
<td>Single doors, By-passing doors, Bi-parting doors</td>
<td>Single doors, By-passing doors, Bi-parting doors</td>
</tr>
<tr>
<td><strong>Mounting position</strong></td>
<td>Wall mount, Header mount</td>
<td>Wall mount, Header mount</td>
</tr>
<tr>
<td><strong>Silent System</strong></td>
<td>Soft closing, Soft opening</td>
<td>Soft closing, Soft opening</td>
</tr>
<tr>
<td><strong>Low profile</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Fascia</strong></td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td><strong>Height adjustment</strong></td>
<td>12 mm</td>
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<td><strong>Door thickness</strong></td>
<td>25 mm min.</td>
<td>25 mm min.</td>
</tr>
<tr>
<td><strong>Door width mm</strong></td>
<td>762 – 2400 mm</td>
<td>762 – 2400 mm</td>
</tr>
<tr>
<td><strong>Door height mm</strong></td>
<td>3000 mm max.</td>
<td>3000 mm max.</td>
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</tbody>
</table>
Sliding door system for rooms

- TopLine Grant SD
- Performance summary

Grant SD
Up to 68 kg

Grant HD
Up to 147 kg
## TopLine Grant SD

### Technical details in brief

- The TopLine Grant SD series is a medium duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets and storage walls.
- Soft closing, soft opening
- Precision ball bearing wheels ensure a smooth, quiet and long lasting performance
- Self-leveling design allows for even distribution of load for maximum performance and durability
- 12 mm vertical adjustment; minimal headroom required
- Aluminium box track
- Cushioned end stops holds door in place
- Wall mount bracket available
- Fascia available
- Meets and/or exceeds ANSI/BHMA standards

### Doorformat and door weight

- ≤ 3000 mm
- ≤ 68 kg
- 762 - 2400 mm

### Door material

- ≥ 25 mm

### Number of door wings and door position

#### Single

![Single door configuration](image)

#### Bi-parting

Use additional set of hardware

![Bi-parting door configuration](image)

#### By-passing

Mounting two parallel tracks

![By-passing door configuration](image)
Sliding door system for rooms

- TopLine Grant SD
- System overview

1. Track
   Tracks in several lengths

2. Hardware Set
   Choose low profile for a sleek and elegant look or standard hardware

3. Silent System
   Compliments your door with more comfort and safety

4. Wall mount bracket
   For wall mount applications

5. Fascia
   Hide your gap with a fascia

6. Endcap
   Final design tuning with endcaps
Sliding door system for rooms

- TopLine Grant SD
- System components

1. Single track SD

- Aluminium, anodized
- Easy attachment due to pre-punched screw slots

<table>
<thead>
<tr>
<th>Length mm</th>
<th>Order no.</th>
<th>PU</th>
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<tbody>
<tr>
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<td>3658</td>
<td>9199840</td>
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</table>
Sliding door system for rooms

- TopLine Grant SD
- System components

2 Hardware set - Choose between the low profile hardware set for a sleek and elegant look or the standard hardware set

2a Low profile hardware set SD

- Creates a sleek and elegant look: Minimizes the gap at the top of the door with a minimum reveal of 4 mm
- Ideal also for restricted headroom application
- Aluminium construction
- Set contains components for a 1-door application

Set comprises:
- 1 floor guide
- 2 end stops
- 2 carrier assemblies – each assembly contains:
  - 1 channel
  - 1 support insert
  - 1 carrier
  - 1 end cap
- Wrench
-Fixing screws

Advice:
- Door thickness min. 35 mm
- Please order profiles separately

Order no. | PU
---|---
9 203 725 | 1 set

Planning dimensions

Top Line Grant SD / LP up to 68 kg / panel, minimum door width 35 mm for sliding applications

Framed opening height 47 mm + Y + Panel + 11 mm

*Y = 4 mm

*Y = 20 mm

32 mm

60 mm

ø 4.8 x 32

211 mm

229 mm

76 mm

11 mm

37 mm

47 mm

6.5 mm

19 mm

15 mm

3 mm

22 mm

5 mm

76 mm

15 mm

6.5 mm

19 mm

15 mm

3 mm

22 mm

5 mm

76 mm

11 mm
2b Standard hardware set SD

- Set contains components for a 1-door application

Set comprises:
- 2 carriers with precision ball bearing wheels and adjustable pendant bolts
- 2 top plates
- 2 endstops
- 1 floor guide
- Fixing screws

Advice:
- Please order profiles separately

Order no. | PU
--- | ---
9 191 124 | 1/10 set

Planning dimensions

*X = 76 mm for use with Grant SD 5’ or 7’ track
*X = 102 mm for use with all other Grant SD track lengths

* indicate:
- ± 6 mm
- ≥ 25 mm
- 11 mm
- 76 mm
- 32 mm
- 51 mm
- 89 mm
- 9 mm
- 6.5 mm
- 15 mm
- 22 mm
- 5 mm
- 19 mm
- 3 mm
- 4.8 mm x 32
- 47 mm
- 57 mm
- 78 mm
Sliding door system for rooms

- TopLine Grant SD
- System components

3 Silent System SD

- Quietly and gently opening and closing sliding doors
- Suitable for door weight up to 68 kg
- Set contains all Silent System components for a 1-door application

Set comprises:
- 1 Silent System unit SD
- 2 activators SD
- 2 end stop for Silent System SD
- 1 torx wrench key TX15
- Fixing screws

Advice:
- Door width 762 mm minimum

<table>
<thead>
<tr>
<th>Order no.</th>
<th>PU</th>
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</thead>
<tbody>
<tr>
<td>9 235 608</td>
<td>1 set</td>
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</tbody>
</table>

Planning dimensions

TB (Door width)
762 - 2400 mm
Wall mount bracket SD/HD

- Ideal for single and bi-parting applications where traditional header mounter pocket and sliding doors are not desired or cannot be structurally installed
- Suitable for 25 mm to 50 mm doors
- Aluminium, anodized

Set comprises:
- 1 wall mount bracket
- Wall mounting screws
- Fixing screws and nuts for attaching the track

Advice:
- Please order running profile separately
- End stops required on all wall mount applications

<table>
<thead>
<tr>
<th>Length mm</th>
<th>Order no.</th>
<th>PU</th>
</tr>
</thead>
<tbody>
<tr>
<td>2438</td>
<td>9 202 899</td>
<td>1 set</td>
</tr>
<tr>
<td>4877</td>
<td>9 202 902</td>
<td>1 set</td>
</tr>
</tbody>
</table>

Planning dimensions

* = 76 mm for use with Grant SD 5’ track
* = 102 mm for use with all other Grant SD track lengths
Sliding door system for rooms

- TopLine Grant SD
- System components

### 5 Fascia SD/HD

- Hide your gap between profile and door
- For header mount or wall mount application
- Easy to install: Just snap into fascia clips
- Suitable for 25 mm to 44 mm doors
- Aluminium, anodized

Advice:

- Please order fascia clips separately
- Fascia is not necessary for combination with low head profile hardware set

<table>
<thead>
<tr>
<th>Length mm</th>
<th>Order no.</th>
<th>PU</th>
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</thead>
<tbody>
<tr>
<td>2438</td>
<td>9 203 733</td>
<td>1 ea.</td>
</tr>
<tr>
<td>4879</td>
<td>9 203 746</td>
<td>1 ea.</td>
</tr>
</tbody>
</table>

#### Set header mount fascia clip

Set comprises:

- 5 header mount fascia clips
- Fixing screws

Advice:

- Any fascia over 2438 mm long requires 2 sets of clips

<table>
<thead>
<tr>
<th>Order no.</th>
<th>PU</th>
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</thead>
<tbody>
<tr>
<td>9 203 751</td>
<td>1/100 set</td>
</tr>
</tbody>
</table>

#### Set wall mount fascia clip

Set comprises:

- 5 wall mount fascia clips
- Fixing screws

Advice:

- Any fascia over 2438 mm long requires 2 sets of clips

<table>
<thead>
<tr>
<th>Order no.</th>
<th>PU</th>
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</thead>
<tbody>
<tr>
<td>9 203 752</td>
<td>1/100 set</td>
</tr>
</tbody>
</table>

#### Planning dimensions

- **Set header mount fascia clip**
  - Width: 9 mm
  - Height: 106 mm
  - ± 6 mm

- **Set wall mount fascia clip**
  - Width: 63 mm
  - Height: 106 mm
  - ± 6 mm
**Sliding door system for rooms**

- **TopLine Grant SD**
- **System components**

## Wall mount endcap SD

**Final design tuning for wall mount applications:**

- 1. Endcap for wall mount applications without fascia
- 2. Endcap for wall mount applications with fascia

### Endcap SD without fascia

- Plastic, aluminium colored finish

Set comprises:
- 1 right hand endcap
- 1 left hand endcap
- Fixing screws

<table>
<thead>
<tr>
<th>Order no.</th>
<th>PU</th>
<th>1 set</th>
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</thead>
<tbody>
<tr>
<td>9 202 941</td>
<td>PU</td>
<td>1 set</td>
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</tbody>
</table>

### Endcap SD/HD with fascia

- Plastic, aluminium colored finish

Set comprises:
- 1 right hand endcap
- 1 left hand endcap
- Fixing screws

<table>
<thead>
<tr>
<th>Order no.</th>
<th>PU</th>
<th>1 set</th>
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<tr>
<td>9 202 943</td>
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<td>1 set</td>
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</tbody>
</table>
Sliding door system for rooms

- TopLine Grant HD
- Performance summary

Grant SD
Up to 68 kg

Grant HD
Up to 147 kg
# Sliding door system for rooms

- **TopLine Grant HD**
- **Performance summary**

## Technical details in brief

- The TopLine Grant HD series is a heavy duty commercial and residential grade sliding door hardware series ideal for single and bi-parting installations. Applications include doors between rooms, closet doors, cabinets and storage walls.
- Soft closing, soft opening
- Precision ball bearing wheels ensure a smooth, quiet and long lasting performance
- Self-leveling design allows for even distribution of load for maximum performance and durability
- 12 mm vertical adjustment; minimal headroom required
- Heavy duty aluminium box track
- Cushioned end stops holds door in place
- Wall mount bracket available
- Fascia available
- Meets and/or exceeds ANSI/BHMA standards

## Door format and door weight

<table>
<thead>
<tr>
<th>≤ 3000 mm</th>
<th>≤ 147 kg</th>
</tr>
</thead>
<tbody>
<tr>
<td>762 - 2400 mm</td>
<td></td>
</tr>
</tbody>
</table>

## Door material

- ≥ 25 mm

## Number of door wings and door position

- **Single**
- **Bi-parting**
  - Use additional set of hardware
  - Mounting two parallel tracks
- **By-passing**
  - Mounting two parallel tracks
Sliding door system for rooms

- TopLine Grant HD
- System overview

1 Track
Tracks in several lengths

2 Hardware set
Choose low profile hardware for a sleek and elegant look or standard hardware

3 Silent System
Compliments your door with more comfort and safety

4 Wall mount bracket
For wall mount applications

5 Fascia
Hide your gap with a fascia

6 Endcap
Final design tuning with endcaps
Sliding door system for rooms

- TopLine Grant HD
- System components

1 Single track HD

- Aluminium, anodized
- Easy attachment due to pre-punched screw slots

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>3048</td>
<td>9 201 461</td>
<td>1 ea.</td>
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<tr>
<td>3658</td>
<td>9 201 462</td>
<td>1 ea.</td>
</tr>
</tbody>
</table>
Sliding door system for rooms

- TopLine Grant HD
- System components

2 Hardware set - Choose between the low profile hardware set for a sleek and elegant look or the standard hardware set

2a Low profile hardware set HD

- Creates a sleek and elegant look: Minimizes the gap at the top of the door with a minimum reveal of 4 mm
- Ideal also for restricted headroom application
- Aluminium construction
- Set contains components for a 1-door application

Set comprises:
- 1 floor guide
- 2 end stops
- 2 carrier assemblies – each assembly contains:
  - 1 channel
  - 1 support insert
  - 1 carrier
  - 1 end cap
- Wrench
- Fixing screws

Advice:
- Door thickness min. 35 mm
- Please order profiles separately

Order no. | PU
--- | ---
9 203 729 | 1 set

Planning dimensions

Top Line Grant HD / LP up to 147 kg / panel, minimum door width 35 mm for sliding applications

Framed opening height 52 mm + Y + Panel + 11 mm

*X = 76 mm for use with Grant HD 5’ or 7’ track
*X = 102 mm for use with all other Grant HD track lengths

Order no. | PU
--- | ---
9 203 729 | 1 set

Planning dimensions

Top Line Grant HD / LP up to 147 kg / panel, minimum door width 35 mm for sliding applications

Framed opening height 52 mm + Y + Panel + 11 mm

*X = 76 mm for use with Grant HD 5’ or 7’ track
*X = 102 mm for use with all other Grant HD track lengths

Order no. | PU
--- | ---
9 203 729 | 1 set

Planning dimensions
2b Standard hardware set HD

Set contains components for a 1-door application

Set comprises:
- 2 carriers with precision ball bearing wheels and adjustable pendant bolts
- 2 top plates
- 2 endstops
- 1 floor guide
- Fixing screws

Advice:
- Please order profiles separately

Planning dimensions

* \( X = 76 \) mm for use with Grant HD 5’ track
* \( X = 102 \) mm for use with all other Grant HD track lengths

Order no. 9 191 125 1/10 set
Silent System HD

- Quietly and gently opening and closing sliding doors
- Suitable for door weight up to 147 kg
- Set contains all Silent System components for a 1-door application

Set comprises:
- 1 Silent System unit HD
- 2 activators HD
- 2 end stop for Silent System HD
- 1 torx wrench key TX15
- Fixing screws

Advice:
- Door width 762 mm minimum

<table>
<thead>
<tr>
<th>Order no.</th>
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<tbody>
<tr>
<td>9 235 621</td>
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</tbody>
</table>

Planning dimensions

TB (Door width)
762 - 2400 mm
Sliding door system for rooms

- TopLine Grant HD
- System components

4 Wall mount bracket SD/HD

- Ideal for single and bi-parting applications where traditional header mouter pocket and sliding doors are not desired or cannot be structurally installed
- Suitable for 25 mm to 50 mm doors
- Aluminium, anodized

Set comprises:
- 1 wall mount bracket
- Wall mounting screws
- Fixing screws and nuts for attaching the track

Advice:
- Please order running profile separately
- End stops required on all wall mount applications

Planning dimensions

<table>
<thead>
<tr>
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<tr>
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<tr>
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<td>9 202 899</td>
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<tr>
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<td>9 202 902</td>
<td>1 set</td>
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</table>
Sliding door system for rooms

- TopLine Grant HD
- System components

### Fascia SD/HD

- Hide your gap between profile and door
- For header mount or wall mount application
- Easy to install: Just snap into fascia clips
- Suitable for 25 mm to 44 mm doors
- Aluminium, anodized

Advice:
- Please order fascia clips separately
- Fascia is not necessary for combination with low head profile hardware set

### Set header mount fascia clip

Set comprises:
- 5 header mount fascia clips
- Fixing screws

Advice:
- Any fascia over 2438 mm long requires 2 sets of clips

<table>
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<tr>
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### Set wall mount fascia clip

Set comprises:
- 5 wall mount fascia clips
- Fixing screws

Advice:
- Any fascia over 2438 mm long requires 2 sets of clips

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<tr>
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</table>

### Planning dimensions

#### Fascia SD/HD

- Length mm  
  - 2438
  - 4879

<table>
<thead>
<tr>
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</tr>
<tr>
<td>4879</td>
<td>9 203 746</td>
<td>1 ea.</td>
</tr>
</tbody>
</table>

#### Set header mount fascia clip

- ± 6 mm
- ≥ 25 mm
- ≤ 46 mm

#### Set wall mount fascia clip

- ± 6 mm
- ≥ 25 mm
- ≤ 46 mm

- 63 mm
- 59 mm
- 106 mm
Sliding door system for rooms

- TopLine Grant HD
- System components

### Wall mount endcap HD

Final design tuning for wall mount applications:

- 1 Endcap for wall mount applications without fascia
- 2 Endcap for wall mount applications with fascia

#### Endcap HD without fascia

- Plastic, aluminium colored finish
- Set comprises:
  - 1 right hand endcap
  - 1 left hand endcap
  - Fixing screws

<table>
<thead>
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</table>

#### Endcap SD/HD with fascia

- Plastic, aluminium colored finish
- Set comprises:
  - 1 right hand endcap
  - 1 left hand endcap
  - Fixing screws

<table>
<thead>
<tr>
<th>Order no.</th>
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<th>Quantity</th>
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<tbody>
<tr>
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</table>
Sliding door system for rooms

- TopLine Grant SD / HD
- Installation in brief

**Installation animation**

Easy installation
Take a look at our installation video
for Grant SD / HD

http://www.hettich.com/short/6bcfac

**Door preparation**

<table>
<thead>
<tr>
<th>Standard</th>
<th>Low profile</th>
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<tr>
<td><img src="image1" alt="Door preparation standard" /></td>
<td><img src="image2" alt="Door preparation low profile" /></td>
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</table>

**Profile installation**

<table>
<thead>
<tr>
<th>Ceiling mount</th>
<th>Wall mount</th>
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<tbody>
<tr>
<td><img src="image3" alt="Profile installation ceiling mount" /></td>
<td><img src="image4" alt="Profile installation wall mount" /></td>
</tr>
</tbody>
</table>

**Damper installation**

![Damper installation](image5)
Sliding door system for rooms

- TopLine Grant SD / HD
- Installation in brief

Carrier / End stop installation

Grant SD / HD

Grant SD / HD with Silent System

Mounting door

1. 2. 3.

Floor guide installation

End cap installation
### Weight table for chipboard 19 mm

<table>
<thead>
<tr>
<th>Door height mm</th>
<th>Door weight in kg (density = 700 kg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>1,2 1,6 2,0 2,4 2,8 3,2 3,6 4,0 4,4 4,8</td>
</tr>
<tr>
<td>400</td>
<td>1,6 2,1 2,7 3,2 3,7 4,3 4,8 5,3 5,9</td>
</tr>
<tr>
<td>500</td>
<td>2,0 2,7 3,3 4,0 4,7 5,3 6,0 6,7 7,3</td>
</tr>
<tr>
<td>600</td>
<td>2,4 3,2 4,0 4,8 5,6 6,4 7,2 8,0 8,8</td>
</tr>
<tr>
<td>700</td>
<td>2,8 3,7 4,7 5,6 6,6 7,5 8,4 9,3 10,2</td>
</tr>
<tr>
<td>800</td>
<td>3,2 4,3 5,3 6,4 7,5 8,5 9,6 10,6 11,7</td>
</tr>
<tr>
<td>900</td>
<td>3,6 4,8 6,0 7,2 8,4 9,6 10,8 12,0 13,2</td>
</tr>
<tr>
<td>1000</td>
<td>4,0 5,3 6,7 8,0 9,3 10,7 12,0 13,3 14,6</td>
</tr>
<tr>
<td>1100</td>
<td>4,4 5,9 7,3 8,8 10,2 11,7 13,2 14,6 16,0</td>
</tr>
<tr>
<td>1200</td>
<td>4,8 6,4 8,0 9,6 11,2 12,8 14,4 16,0 17,6</td>
</tr>
<tr>
<td>1300</td>
<td>5,2 6,9 8,7 10,4 12,1 13,8 15,6 17,3 19,0</td>
</tr>
<tr>
<td>1400</td>
<td>5,6 7,5 9,3 11,2 13,0 14,9 16,8 18,6 20,5</td>
</tr>
<tr>
<td>1600</td>
<td>6,4 8,5 10,7 12,8 15,0 17,0 19,2 21,3 23,4</td>
</tr>
<tr>
<td>1800</td>
<td>7,2 9,6 12,0 14,4 16,8 19,2 21,6 24,0 26,3</td>
</tr>
<tr>
<td>2000</td>
<td>8,0 10,6 13,3 16,0 18,6 21,3 23,9 26,6 29,3</td>
</tr>
<tr>
<td>2200</td>
<td>8,8 11,7 14,6 17,6 20,5 23,4 26,3 29,3 32,2</td>
</tr>
<tr>
<td>2400</td>
<td>9,6 12,8 16,0 19,2 22,3 25,5 28,7 31,9 35,1</td>
</tr>
<tr>
<td>2600</td>
<td>10,4 13,8 17,3 20,8 24,2 27,7 31,1 34,6 38,0</td>
</tr>
</tbody>
</table>

### Weight table for MDF 19 mm

<table>
<thead>
<tr>
<th>Door height mm</th>
<th>Door weight in kg (density = 900 kg/m³)</th>
</tr>
</thead>
<tbody>
<tr>
<td>300</td>
<td>1,5 2,1 2,6 3,1 3,6 4,1 4,6 5,1 5,6</td>
</tr>
<tr>
<td>400</td>
<td>2,1 2,7 3,4 4,1 4,8 5,5 6,2 6,8 7,5</td>
</tr>
<tr>
<td>500</td>
<td>2,6 3,4 4,3 5,1 6,0 6,8 7,7 8,6</td>
</tr>
<tr>
<td>600</td>
<td>3,1 4,1 5,1 6,2 7,2 8,2 9,2 10,3</td>
</tr>
<tr>
<td>700</td>
<td>3,6 4,8 6,0 7,2 8,4 9,6 10,8</td>
</tr>
<tr>
<td>800</td>
<td>4,1 5,5 6,8 8,2 9,6 10,9 12,3</td>
</tr>
<tr>
<td>900</td>
<td>4,6 6,2 7,7 9,2 10,8 12,3 13,9</td>
</tr>
<tr>
<td>1000</td>
<td>5,1 6,8 8,6 10,3 12,0 13,7 15,4</td>
</tr>
<tr>
<td>1100</td>
<td>5,6 7,5 9,4 11,3 13,2 15,1</td>
</tr>
<tr>
<td>1200</td>
<td>6,2 8,2 10,3 12,3 14,4</td>
</tr>
<tr>
<td>1300</td>
<td>6,7 8,9 11,1 13,3 15,6</td>
</tr>
<tr>
<td>1400</td>
<td>7,2 9,6 12,0 14,4 16,8</td>
</tr>
<tr>
<td>1600</td>
<td>8,2 10,9 13,7 16,4 19,2</td>
</tr>
<tr>
<td>1800</td>
<td>9,2 12,3 15,4 18,5 21,6</td>
</tr>
<tr>
<td>2000</td>
<td>10,3 13,7 17,1 20,5 23,9</td>
</tr>
<tr>
<td>2200</td>
<td>11,3 15,5 18,8</td>
</tr>
<tr>
<td>2400</td>
<td>12,3 16,4 20,5</td>
</tr>
<tr>
<td>2600</td>
<td>13,3 17,8 22,2</td>
</tr>
</tbody>
</table>

---

**Technical information**

**Calculating door weights**
Calculating weights of doors in alternative door materials

Density of various materials in kg/m³

<table>
<thead>
<tr>
<th>Material</th>
<th>Density kg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acrylic glass</td>
<td>1200</td>
</tr>
<tr>
<td>Aluminium</td>
<td>2700</td>
</tr>
<tr>
<td>Balsa wood</td>
<td>120</td>
</tr>
<tr>
<td>Concrete</td>
<td>2400</td>
</tr>
<tr>
<td>Lead</td>
<td>11300</td>
</tr>
<tr>
<td>Iron</td>
<td>7800</td>
</tr>
<tr>
<td>Gypsum plasterboard</td>
<td>900</td>
</tr>
<tr>
<td>Glass</td>
<td>2600</td>
</tr>
<tr>
<td>Hardboard</td>
<td>1000</td>
</tr>
<tr>
<td>Hardwood, wet (beech)</td>
<td>900</td>
</tr>
<tr>
<td>Hardwood, dry (beech)</td>
<td>800</td>
</tr>
<tr>
<td>Cork</td>
<td>300</td>
</tr>
</tbody>
</table>

To calculate the weight of doors in alternative door materials, the specific density of the door material must be taken into consideration.

**Example**

Door made of acrylic glass with a density of 1200 kg/m³
Door height: 2000 mm, door width: 1800 mm, material thickness: 6 mm

\[
\text{Door weight [kg]} = \frac{\text{Height [m]} \times \text{Width [m]} \times \text{Material thickness [m]} \times \text{Density [kg/m³]}}{1200}
\]

<table>
<thead>
<tr>
<th>Door weight [kg]</th>
<th>Height [m]</th>
<th>Width [m]</th>
<th>Material thickness [m]</th>
<th>Density [kg/m³]</th>
</tr>
</thead>
<tbody>
<tr>
<td>25,9 kg</td>
<td>2</td>
<td>1,8</td>
<td>0,006</td>
<td>1200</td>
</tr>
</tbody>
</table>

Formula for conversion
Door weight = weight for door in thickness of 19 mm from table above x factor

Example
Chipboard door
H x W x D = 2000 x 1800 x 16
Weight shown in table for this door size, but material in a thickness of 19 mm = 47.9 kg

Convert to 16 mm door thickness using factor of 0.84 as shown in table on left.
Door weight = 47.9 kg x 0.84 = 40.2 kg

Adjustment to different material thicknesses

The table entries refer to 19 mm thick material. The table entries must be multiplied by a factor in order to adjust to material of different thickness.

<table>
<thead>
<tr>
<th>Material thickness mm</th>
<th>Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>15</td>
<td>0.79</td>
</tr>
<tr>
<td>16</td>
<td>0.84</td>
</tr>
<tr>
<td>18</td>
<td>0.95</td>
</tr>
<tr>
<td>19</td>
<td>1.00</td>
</tr>
<tr>
<td>20</td>
<td>1.05</td>
</tr>
<tr>
<td>22</td>
<td>1.16</td>
</tr>
<tr>
<td>23</td>
<td>1.21</td>
</tr>
<tr>
<td>26</td>
<td>1.37</td>
</tr>
<tr>
<td>29</td>
<td>1.53</td>
</tr>
</tbody>
</table>

**Formula for conversion**
Door weight = weight for door in thickness of 19 mm from table above x factor

**Example**
Chipboard door
H x W x D = 2000 x 1800 x 16
Weight shown in table for this door size, but material in a thickness of 19 mm = 47.9 kg

Convert to 16 mm door thickness using factor of 0.84 as shown in table on left.
Door weight = 47.9 kg x 0.84 = 40.2 kg
Hettich products must work safely and reliably. They must be sturdy and strong, easy to install and user friendly. This requirement profile demands ambitious research and development – and meticulous quality management.

In complex test procedures, we test every Hettich product for qualities such as durability, resistance to changing climatic conditions, safety and ergonomics.

The promise we give to our customers is: "fit and forget": once installed, Hettich products simply get on and do their job day after day after day. For furniture manufacturers, Hettich quality guarantees the reliability and long life of their own products. And the lasting satisfaction of furniture buyers.
The quality of Hettich sliding door systems is monitored constantly. Hettich fittings comply with the various quality standards of the markets our customers operate in. As for Hettich, it is important not just to meet the quality standards of the market, but to surpass them. Therefore all fittings need to pass an extended test range Hettich fittings are required to pass.

**Passed Quality Standards**
- BHMA A156.14
- DIN EN 1527
- DIN EN 15706

### Endurance Test
The door, loaded with the dimensioned weight, is opened and closed at a defined speed and is required to withstand 100,000 cycles.

### Static Load Test
The door is loaded with the double of the dimensioned weight over a specific time. All fitting components and tracks are required to withstand these loads without any remaining deformation.

### Horizontal Impact Test
A specific force is applied in horizontal direction to a defined position of the door. The door and all fitting components needs to withstand this action without any damage breaks or cracks impairing operation.

### Stop Test
The door is closed all the way with a defined pulling force and needs to withstand this action for a set number of times. Tensile load 4 kg (Level 3).

### Opening Force Test
The opening force is identified on a door loaded with the dimensioned weight.

### Corrosion Test
All fitting components and tracks are required to be resistant about corrosion caused by humid or saline air.

**Classification according DIN EN 1527**

<table>
<thead>
<tr>
<th></th>
<th>TopLine Grant SD</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-</td>
<td>6</td>
<td>2</td>
<td>-</td>
<td>1</td>
<td>2</td>
<td>-</td>
<td>1</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>3</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>TopLine Grant HD</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>-</td>
<td>6</td>
<td>3</td>
<td>-</td>
<td>1</td>
<td>2</td>
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<td>1</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3</td>
</tr>
</tbody>
</table>
Hettich accepts 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 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.

**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
Application

Unless otherwise specified in this catalog, Grant Folding and Sliding Door Hardware is suitable for use in both residential and commercial climate controlled environments.

System capacities

All systems conform to ANSI/BHMA as specified Panel thickness and loading capacities are stated per each system as a maximum weight per panel and where required a minimum or maximum panel thickness.

General Technical Conditions

It is generally understood that:

It is not allowed to mix other suppliers hardware with Hettich products.

Each product to be used in accordance with the specified application and installed in accordance with the instructions supplied.

With systems which are suspended without a permanent frame which encloses the open ends of the running profile, an endstop, supplied by Hettich, must be used in accordance with the instructions.

Screw fixing points and loading information specified in this catalog assume proper attachment of hardware to materials providing a sufficient axial pullout force of ≥ 2,000N in accordance with ASTM D1761-12.

Screws are provided in all hardware kits, installation of screws other than those provided by Hettich should be in accordance with specified sizes and conforming to ANSI/ASME B18.6.4.

General Terms of sale and delivery

All products and services will be provided exclusively on the basis of our General Terms of Sale and Delivery published on our website at www.hettich.com.

Legal Notice

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