Sliding Gate Basis – for individual gate leaf designs

Sliding Gates
Cantilever design, high security standard, fully preassembled
Hörmann Sliding Gates in an Outstanding Design

The ideal way to secure wide gateways
Hörmann sliding gates made of sturdy steel profiles are supplied as a complete element with an opening width of up to 12 m. Using two systems working in opposite directions, it is therefore possible to achieve a width of 24 m. The construction is self-supporting.

The advantages: minimum foundation work, no ground track installation, ice and snow or even coarse dirt will not affect the smooth operation of the gate.

Always perfectly aligned
Pretensioning of the gate leaf construction reduces the risk of bowing. A tensioning element allows the height level of the front edge to be corrected, even following installation. The gate leaf is precisely aligned in the gateway. Four self-monitoring closing edge safety devices offer a high standard of safety when using automatic controls.

HSA electric operator on request
With dead man's or impulse control. Fitted into the bottom cantilever, protected from the weather and concealed from view. Frictionally engaged power transmission, free from play, low-maintenance worm gear with direct drive 3-phase current motor, disengagement for manual operation. Drive already fitted, operator and control unit prewired, control box or cabinet water-proof.

Colour chart to RAL
The following colours based on the RAL colour chart are available:
- RAL 5010 gentian blue
- RAL 6005 moss green
- RAL 7016 anthracite grey
- RAL 7030 stone grey
- RAL 7032 pebble grey
- RAL 9010 pure white
Special colours on request

Increased protection through an additional aluminium strip*
This prevents direct contact of the rollers with the high-quality gate coating. The aluminium strip is attached to both sides to ensure that the gate retains its pleasing appearance.
* Part of the scope of supply for HS gates. As an option for HSS gates.

High safety standard through automatic controls
Four self-monitoring closing edge safety devices stop the gate immediately - even on encountering the slightest resistance. This guarantees maximum safety for persons and vehicles alike.

Highly reliable control electronics
In the heavier version the control electronics are integrated into the post located on the yard side. To carry out maintenance work and adjustments the front flap of the column simply unlocks. An individually coded hand transmitter enables the drivers of your company fleet to conveniently open the sliding gate whilst still seated in their vehicle. For gates with a high traffic frequency, this is a major benefit.

Manual operation in the event of a power failure
In the event of a power failure, the regulating gears can be switched over from power operation to emergency operation. The gate can then be opened or closed by emergency hand operation with very little effort.

Sliding gate operator inconspicuously integrated into the cantilever
This solution is not only aesthetically pleasing, it also provides greater protection against environmental influences and unauthorised access.
Operator Inside the Cantilever – Electronics in the Guide Post

This is Innovative Gate Technology

Top performance electronics for all control functions

- Multi-point closing edge safety device
- Remote control
- Card reading system
- Automatic timed opening and closing
- Induction loops
- Photocells
- Display: OPEN, CLOSE, GATE MOVING

Sturdy polyamide rollers
Polyamide is a non-wearing material and is therefore subject to minimum wear. Together with the twin ball bearings, it guarantees a smooth, quiet gate operation.

Specially coated rollers
The high-quality design of the roller bearings and the rollers allow the gate to run extremely quietly without any disturbing ambient noise.

Contact strips
Four contact strips attached to the gate leaf and the guide posts prevent both accidents and damage caused by the gates when they are opened and closed.
Hörmann
HSS Steel Sliding Gate

Security that pays
Hörmann’s HSS sliding gate stands for high-quality individual components and cost-optimized state-of-the-art series production. Prompt delivery is ensured by standardized component dimensions. The HSS sliding gate is a practical solution at a competitive price. The elegant design of the gate harmonizes perfectly with its surroundings and does not take second place when compared with the security and quality of the HS sliding gate.

Depending on the width of your entrance you can select from two types of gates and several equipment options.

Gate type HSS 160
Height of bottom cantilever 160 mm
Depth of bottom cantilever 165 mm
Clear passage width up to 7000 mm
Drive power 0.18 kW

Gate type HSS 200
Height of bottom cantilever 200 mm
Depth of bottom cantilever 165 mm
Clear passage width up to 9000 mm
Drive power 0.37 kW

Optional extras, sliding gate HSS
- Intermediate heights
- Choice of colour to RAL
- Drilling template (fitting aid)
- Standard aluminium run-in post (design identical with the guide post)
- Climb-over protection (spiked ledge) for a min. height of 1.8 m
- Aluminium anti-wear strip for the top cantilever on both sides
- Fence connection for a fence on both sides fastened to the gate
- Side gate, 1000 mm wide, prepared for plug-and-screw fixing
- Contact strips
- Flashing light
- Two-way intercom

Sizes

<table>
<thead>
<tr>
<th>Height of gate frame</th>
<th>HSS 160</th>
<th>HSS 200</th>
</tr>
</thead>
<tbody>
<tr>
<td>1600</td>
<td>3000</td>
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</tr>
<tr>
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<td>8000</td>
</tr>
<tr>
<td>2800</td>
<td>9000</td>
<td>9000</td>
</tr>
</tbody>
</table>

Clear passage width

Accessories

Climb-over protection
40 mm high spiked ledge over the complete length of the top cantilever.

Fence connection
Fence system matched to the gate design.
The custom-made solution
The first impression is crucial - therefore, it is important that your business partners, visitors and staff get the right impression when entering your premises for the first time. This is ensured by the endless designs you can choose from. Individual requirements call for custom-made solutions.

Depending on the width of your entrance you can select from four gate types and an array of optional extras:

<table>
<thead>
<tr>
<th>Gate type</th>
<th>Height of bottom cantilever</th>
<th>Depth of bottom cantilever</th>
<th>Clear passage width</th>
<th>Drive power</th>
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</thead>
<tbody>
<tr>
<td>HS 160</td>
<td>160 mm</td>
<td>165 mm</td>
<td>up to 6000 mm</td>
<td>0.18 kW</td>
</tr>
<tr>
<td>HS 200</td>
<td>200 mm</td>
<td>165 mm</td>
<td>up to 8000 mm</td>
<td>0.37 kW</td>
</tr>
<tr>
<td>HS 280</td>
<td>280 mm</td>
<td>200 mm</td>
<td>up to 12000 mm</td>
<td>0.75 kW</td>
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<tr>
<td>HS 380</td>
<td>380 mm</td>
<td>200 mm</td>
<td>up to 13500 mm</td>
<td>0.75 kW</td>
</tr>
<tr>
<td>HS 400</td>
<td>400 mm</td>
<td>200 mm</td>
<td>up to 16000 mm</td>
<td>0.75 kW</td>
</tr>
</tbody>
</table>

Optional extras, sliding gate HS
- Intermediate heights and widths
- Choice of colour to RAL
- Drilling template (fitting aid)
- Special foundation depending on the local conditions
- Special gate infills
- Sliding gates up to a height of 2000 mm matched to the gradient of the ground, max. descending slope of 3%, including a brake for emergency operation
- Reflecting warning strips on the bottom cantilever
- Key safe F 3100, integrated in the guide post
- Soft starter (recommended for frequent traffic)
- Climb-over protection (spiked ledge) for a min. height of 1.8 m
- Fence connection for a fence on both sides fastened to the gate
- Side gate, 1000 m wide, prepared for plug-and-screw fixing
- Contacts strips
- Flashing light or beacon
- Two-way intercom
- Multi-function control for induction loops
- Additional closing edge safety device
- Week timer

Sizes

<table>
<thead>
<tr>
<th>Height of gate frame</th>
<th>2400</th>
<th>2500</th>
<th>2600</th>
<th>2700</th>
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<td>HS 200</td>
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<td>HS 380</td>
<td>HS 380</td>
<td>HS 380</td>
<td>HS 380</td>
<td>HS 380</td>
</tr>
</tbody>
</table>

Hinged gate
With profile cylinder matching the sliding gate.

Two-way intercom
To enable the visitor to communicate with the gate keeper/reception.

Flashing light
For safety reasons and to prevent accidents.
Technical Data

Sliding gate HSS 160, 200

Option: quiver fitting

For the HSS gate with impulse control, a protective fence according to EN 294 (mesh size <20 mm) or an additional electromagnetic safety contact rail has to be provided.

Not required for power operation

Required for a clear passage width of min. 5 m

Inside

Outside

Gate opening to right, as viewed from the outside

Sliding gates HS 160, 200, 2180, 380

Option: Plug-and-screw installation of run-in post

Feeder cable according to VDE regulations

L < 100 m = NYY 5 x 2.5 mm²

L ≥ 100 m = upon consultation

Control cable according to VDE regulations

Empty conduit not required for manual operation

All quivers 200 x 200 deep

Required for a clear passage width of min. 5 m
### Dimensions for HSS 160, 200 and HS 160, 200, 280, 380

<table>
<thead>
<tr>
<th>Gate</th>
<th>Gate leaf</th>
<th>Foundation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Clear passage width (m)</td>
<td>Total gate weight (2 m gate height) (kg)</td>
</tr>
<tr>
<td>A Fg</td>
<td>B GB C D E F G H L M K X</td>
<td>a b l m B25</td>
</tr>
</tbody>
</table>

**HSS 160**

|   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3 | 410   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4 | 460   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 5 | 520   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6 | 600   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 7 | 660   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

**HSS 200**

|   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8 | 730   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 9 | 980   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

**HS 160, HS 200, HS 280, HS 380**

|   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 3 | 410   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 3.5| 430   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4 | 460   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 4.5| 480   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 5 | 520   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 5.5| 540   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6 | 600   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 6.5| 640   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 7 | 660   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 7.5| 690   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8 | 730   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 8.5| 770   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 9 | 980   |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 9.5| 1020  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10 | 1060  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 10.5| 1110  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11 | 1140  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 11.5| 1180  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12 | 1210  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 12.5| 1510  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 13 | 1560  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| 13.5| 1610  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |

**Preferred dimensions (mm):**

- **1600/1800/2000**
  - B – 100 mm from top edge of foundation
  - B + approx. 115 mm from top edge of foundation

**Concrete volume (m³):**

- **1600, 2000, 2800, 3800**
  - Preferred dimensions (mm): 1200/1700/1800/1900/2000/2200/2400
  - B – 100 mm from top edge of foundation
  - B + approx. 115 mm from top edge of foundation

**Regulations for the installation of power cables need to be observed.**

**Foundation size for ground class 3.**

For a ground class less than 3, the foundations have to be enlarged accordingly.
Hörmann
HSB Aluminium Sliding Gate

The Basis for your ideas
Hörmann’s standardized sliding gate system “Basis” enables you to design the gate leaf in keeping with your own ideas or the requirements of your customers.

What you get is a preassembled, ready-to-plug-in functional module inclusive of an operator and the control and security system. Everything is wired ready to be plugged in and approved by the Technical Supervisory Board (TÜV).

The superstructure just needs to be bolted to the bottom cantilever.

Time-tested, precisely matched components ensure a reliable service.

As the functional module has been tested for compliance with the new laws and standards at our factory, you can be sure that the gate system will meet all prevailing standards provided the prescribed design and structural strength guidelines are observed.

Standard
• Clear passage width: 3 m - 6 m
• Opening direction with view from outside: left or right
• Bottom cantilever height: 175 mm
• Colour: aluminium, anodised EV1

Optional extras
• Double run-in posts made of hot-galvanized steel, with leading roller and stopper to relieve the closed gate leaf
• Run-in post, standard aluminium, matching the guide post with leading roller and stopper to relieve the closed gate leaf
• Two-way intercom
  Intercom unit integrated in the run-in post (from H=1.2 m)
• Gate leaf installation kit
• Powder coated according to RAL / DB chart
• Safety contact strip, additionally
• Hand transmitter (1 channel), additionally
• Radio receiver (multi-channel), targeted control OPEN/STOP/CLOSE for one gate
• Hand transmitter (4 channels), targeted control OPEN/STOP/CLOSE or separate control of up to 4 Hörmann gates/barriers for inching-mode operation
• Week timer
• Intermediate heights
• Intermediate widths not available
• Fence connection, one side
• Flashing light

The sliding gate Basis is also available as type MB:
type-tested, with manual operation and mechanical stop.

Sizes

<table>
<thead>
<tr>
<th>Height of gate frame</th>
<th>Clear passage width</th>
</tr>
</thead>
<tbody>
<tr>
<td>1000</td>
<td>3000</td>
</tr>
<tr>
<td>1400</td>
<td>4000</td>
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<tr>
<td>1600</td>
<td>5000</td>
</tr>
<tr>
<td>2000</td>
<td>6000</td>
</tr>
</tbody>
</table>
### Technical Data

**Sliding Gate HSB, MB**

**Special accessories**
- Run-in post made of standard aluminium

![Technical Diagram](image)

**Gate opening to right, as viewed from outside**

**Empty conduit Ø350 not required for functional module MB**

**Empty conduit Ø100 not required for functional module MB**

**Roller foundation from a clear passage width of 5 m**

**Stopper foundation not required for HSB**

**Quiver**
- 200x200x600

**Dimensions for HSB and MB**

<table>
<thead>
<tr>
<th>Clear passage width (m)</th>
<th>Gate height (mm)</th>
<th>Centre distance of stations</th>
<th>Centre distance of main gate posts</th>
<th>Required overall length</th>
<th>Length of leading roller</th>
<th>Centre distance of leading stopper</th>
<th>Centre of run-in post (from reference edge)</th>
<th>Centre of stopper (from reference edge)</th>
<th>Centre of leading roller (from reference edge)</th>
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</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
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<td>8530</td>
</tr>
</tbody>
</table>
All from one source: for your facility construction.

1 Sectional door

These room-saving door-systems can be adapted to various hardware types for each industrial facility. This gives you planning safety when building a new development or making renovations. Hörmann offers you tailored solutions for every application: for instance full-glazed AS sectional doors for a clear view of inner rooms or high, thermally-insulated, double-skinned 80 mm thick DPU doors that guarantee even temperatures.

2 Rolling shutters and rolling grilles

With their simple design and reduced components, rolling shutters are extremely economical and robust. Hörmann supplies rolling shutters in widths and heights of up to 11.75 m and 9 m respectively, or special doors which are even higher. Numerous window and colour designs give you room for variety when designing your facility.

3 Folding gates made of steel and aluminium

Hörmann folding gates in steel and aluminium are recommended for halls with low traffic frequency and little headroom where no roof load is permitted. Fewer wearing parts make folding gates easy to repair and service.

4 High-speed doors

Hörmann high-speed doors are used both indoors and outdoors to optimise traffic flow, improve room climate and save on energy. The Hörmann range comprises clear-view doors with a flexible curtain that open vertically and horizontally. They can also be combined with sectional doors and rolling shutters. The benefit to you: the SoftEdge technology with built-in crash-protection makes high-speed doors extremely safe and economical.

5 Loading technology

Hörmann delivers complete loading systems for all your logistics needs. The benefit to you: sure planning, reliable construction management and high functionality due to perfectly designed components is guaranteed, irrespective of whether you need individual dock levellers or loading houses. All of these can be retrofitted to existing buildings as a complete unit with a loading bridge and dock seal.

6 Fire sliding doors

Hörmann delivers one and two-leaf sliding door solutions for all areas in a facility depending on the fire-protection level required, and with wicket-door and smoke-protection functionality for escape routes by choice.

7 Multifunctional doors

Hörmann multifunction doors and inner facility doors are suitable for indoor and outdoor use. Our one and two-leaf doors can be used anywhere where heavy-duty door elements are required. With numerous additional functions, Hörmann offers you solutions that cover almost all types of application in industry.

8 Fire and smoke-protection box-frame parts

Hörmann can supply you with doors and fixed glazing made of steel and aluminium for heavy-duty areas such as industrial building administration sections. The 100 % matching system-appearance guarantees the same looks irrespective of the fire class.
As a construction element specialist Hörmann gives you the power to plan perfectly whatever your needs. Carefully matched, facility-construction solutions offer you the very best in perfectly designed products in every area.
Hörmann: Quality without Compromise

Hörmann is the only manufacturer worldwide that offers you a complete range of all major building products from one source. We manufacture in highly-specialized factories using the latest production technologies. The close-meshed network of sales and service companies throughout Europe, and activities in the USA and China, make Hörmann your strong partner for first-class building products, offering „Quality without Compromise“.  

GARAGE DOORS
OPERATORS
INDUSTRIAL DOORS
LOADING EQUIPMENT
HINGED DOORS
DOOR FRAMES