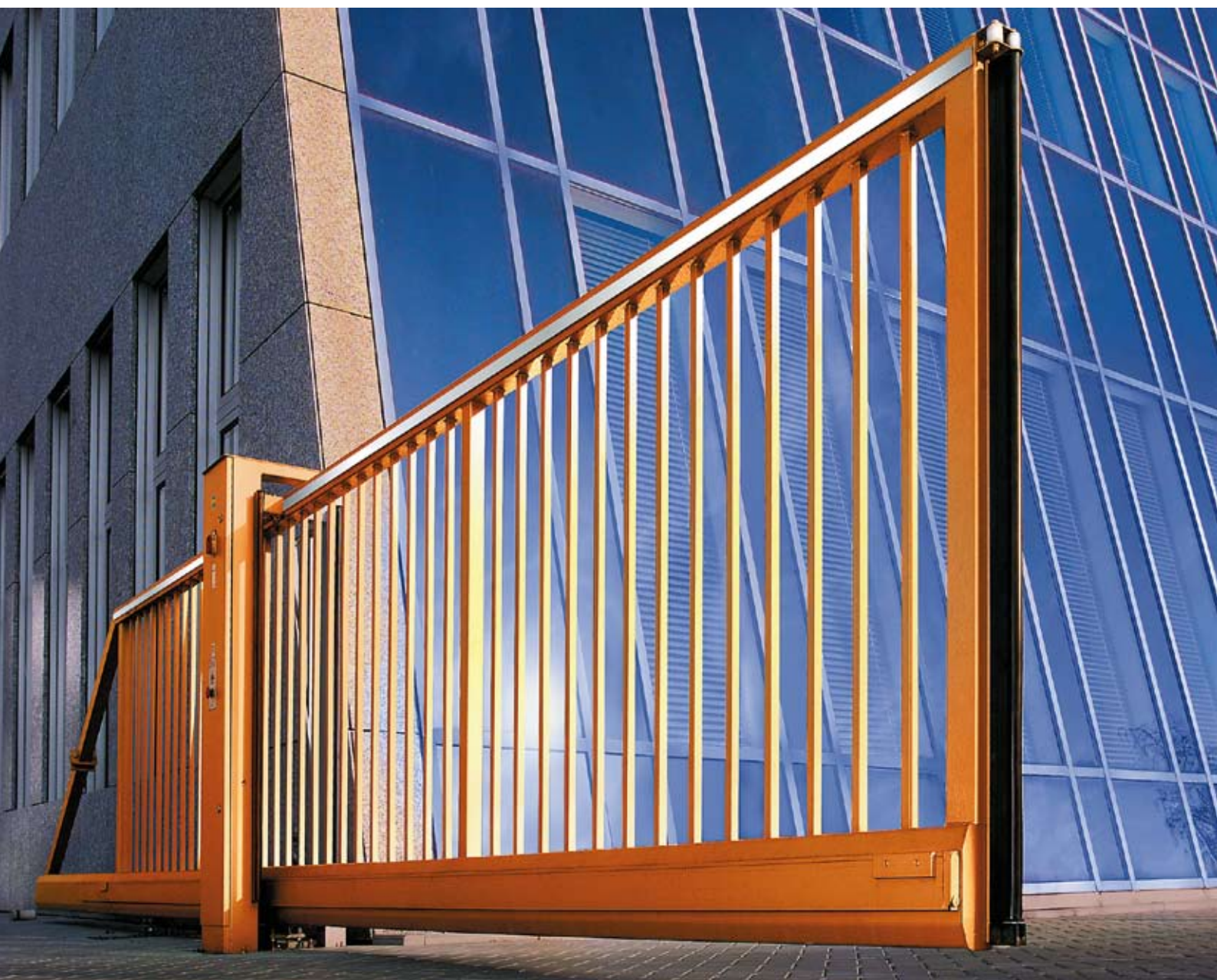


// Sliding Gate Basis – for individual gate leaf designs



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



Illustration: special colour

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



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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

Sizes

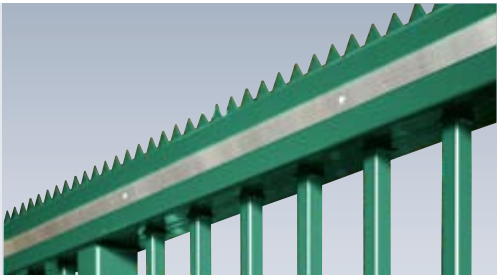
Height of gate frame	2000	HSS 160					HSS 200	
	1800							
	1600							
		3000	4000	5000	6000	7000	8000	9000
Clear passage width								



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

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.

Hörmann

HS Steel Sliding Gate

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:

Gate type HS 160

Height of bottom cantilever
160 mm
Depth of bottom cantilever
165 mm
Clear passage width
up to 6000 mm
Drive power 0.18 kW

Gate type HS 200

Height of bottom cantilever
200 mm
Depth of bottom cantilever
165 mm
Clear passage width
up to 8000 mm
Drive power 0.37 kW

Gate type HS 280

Height of bottom cantilever
280 mm
Depth of bottom cantilever
200 mm
Clear passage width
up to 12000 mm
Drive power 0.75 kW

Gate type HS 380

Height of bottom cantilever
380 mm
Depth of bottom cantilever
200 mm
Clear passage width
up to 13500 mm
Drive power 0.75 kW

Gate type HS 400

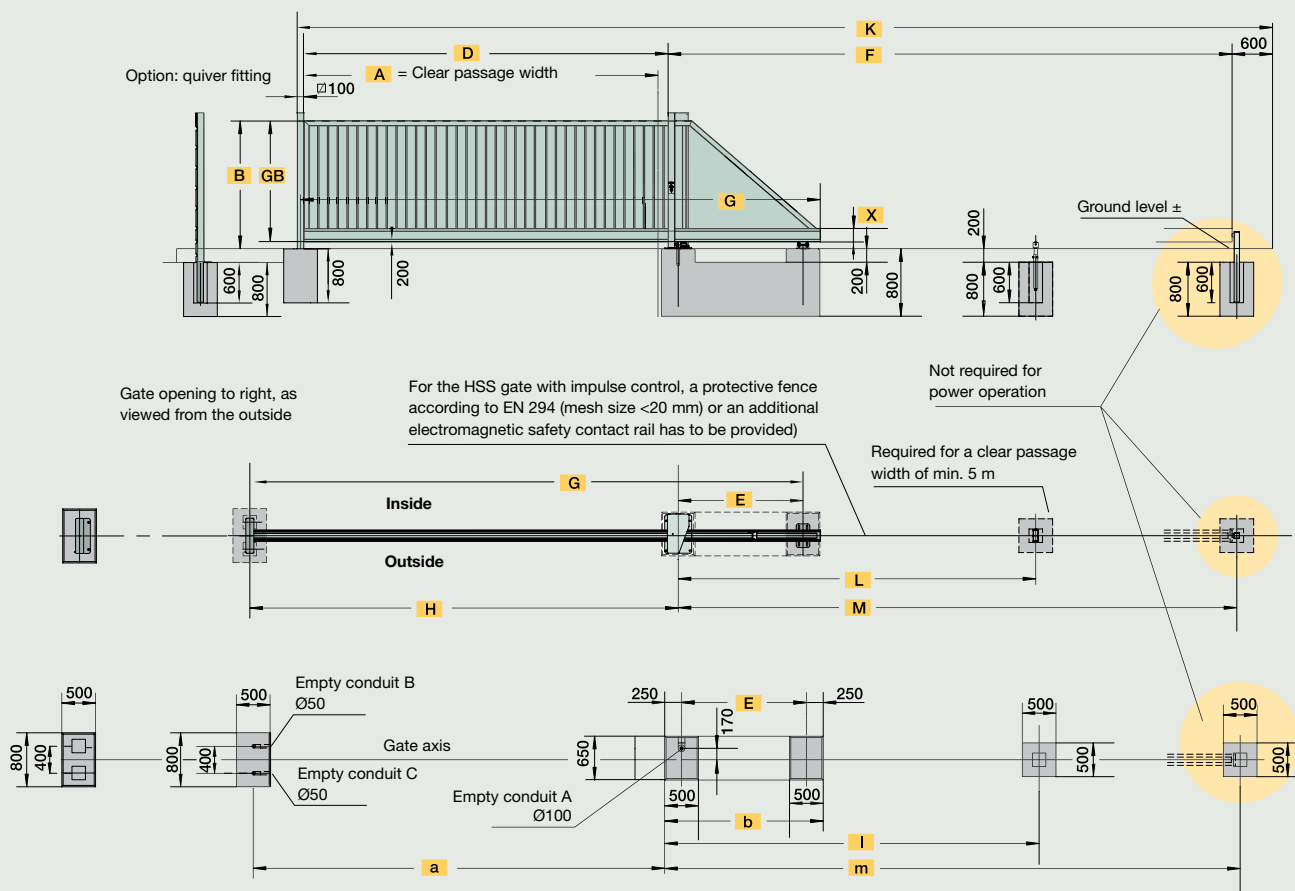
Height of bottom cantilever
400 mm
Depth of bottom cantilever
200 mm
Clear passage width
up to 16000 mm
Drive power 0.75 kW

Sizes

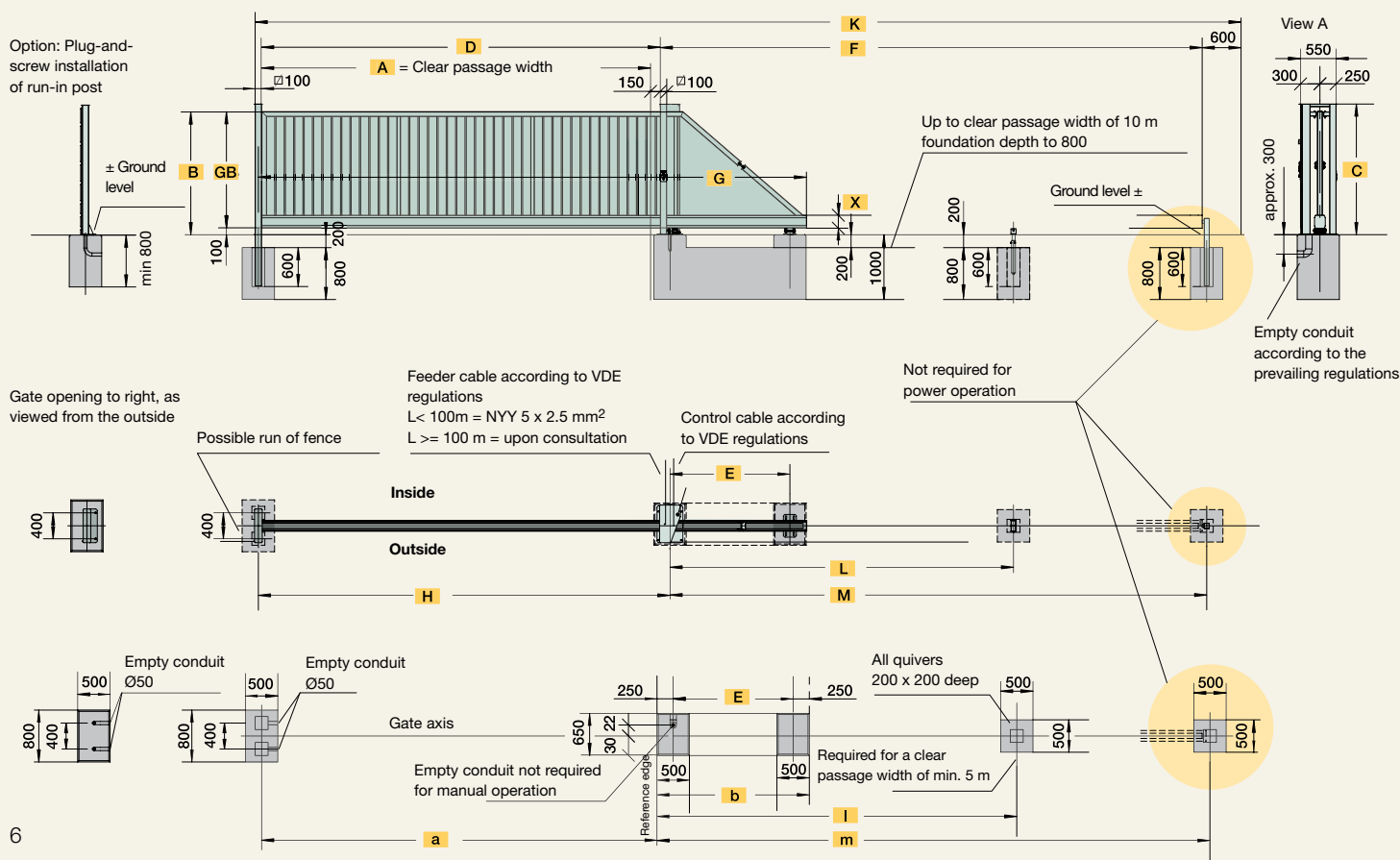
Height of gate frame	2400	HS 200		HS 200 HS 280		HS 280		HS 280				HS 280 HS 380		HS 380		HS 400			
	2200	HS 160 HS 200		HS 160 HS 200 HS 280		HS 200 HS 280												HS 400	
	2000																		
	1800																		
	1600																		
	1200																		
	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000						
Clear passage width																			

Technical Data

Sliding gate HSS 160, 200



Sliding gates HS 160, 200, 2180, 380



Dimensions for HSS 160, 200 and HS 160, 200, 280, 380

Gate		Gate leaf												Foundation				
Clear passage width (m)	Total gate weight (2 m gate height) (kg)	Total gate height	Gate frame height	Post height	Post distance	Centre distance of stations	Sliding length	Length of bottom cantilever	Centre distance of main gate columns	Centre distance of leading roller	Centre distance of stopper	Required overall length	Height of bottom cantilever	Centre of run-in post	Length of main foundation	Centre of leading roller	Centre of stopper	Concrete volume (m ²)
A	Fg	B	GB	C	D	E	F	G	H	L	M	K	X	a	b	l	m	B25
HSS 160																		
3	410	Preferred dimensions (mm): 1600/1800/2000	B – 100 mm from top edge of foundation (±0)	B + approx. 115 mm from top edge of foundation	3200	1350	4810	4900	3350	3000	4780	8710	160	3100	1850	3250	5030	1.6
4	460				4200	1450	5910	6000	4350	3500	5880	10810	160	4100	1950	3750	6130	1.7
5	520				5200	1850	7310	7400	5350	4600	7280	13210	160	5100	2350	4850	7530	1.8
6	600				6200	1850	8310	8400	6350	5300	8280	15210	160	6100	2350	5550	8530	1.8
7	660				7200	2250	9710	9800	7350	6200	9680	17610	160	7100	2750	6450	9930	2.0
HSS 200																		
8	730				8200	2650	11110	11200	8350	7100	11080	20010	200	8100	3150	7350	11330	2.2
9	980				9200	3050	12510	12600	9350	8300	12480	22410	200	9100	3550	8550	12730	2.9
HS 160, HS 200, HS 280, HS 380																		
3	410	Preferred dimensions (mm) 1200/17400/1600/1800/2000/2200/2400	B – 100 mm from top edge of foundation (±0)	B + approx. 115 mm from top edge of foundation	3150	1350	4860	4900	3350	3000	4780	8710	200	3100	1850	3250	5030	1.6
3.5	430				3650	1350	5360	5400	3850	3300	5280	9710	200	3600	1850	3550	5530	1.6
4	460				4150	1450	5960	6000	4350	3500	5880	10810	200	4100	1950	3750	6130	1.7
4.5	480				4650	1550	6560	6600	4850	3800	6480	11910	200	4600	2050	4050	6730	1.7
5	520				5150	1850	7360	7400	5350	4600	7280	13210	200	5100	2350	4850	7530	1.8
5.5	540				5650	1850	7860	7900	5850	4800	7780	14210	200	5600	2350	5050	8030	1.8
6	600				6150	1850	8360	8400	6350	5300	8280	15210	200	6100	2350	5550	8530	1.8
6.5	640				6650	2250	9260	9300	6850	5900	9180	16610	200	6600	2750	6150	9430	2.0
7	660				7150	2250	9760	9800	7350	6200	9680	17610	200	7100	2750	6450	9930	2.0
7.5	690				7650	2450	10460	10500	78500	6600	10380	18810	200	7600	2950	6850	10630	2,1
8	730				8150	2650	11160	11200	8350	7100	11080	20010	200	8100	3150	7350	11330	2.2
8.5	970				8650	3050	12060	12100	8850	7600	11980	21410	280	8600	3550	7850	12230	2.9
9	980				9150	3050	12560	12600	9350	8300	12480	22410	280	9100	3550	8550	12730	2.9
9.5	1020				9650	3450	13460	13500	9850	8800	13380	23810	280	9600	3950	9050	13630	3.1
10	1060				10150	3450	13960	14000	10350	9300	13880	24810	280	10100	3950	9550	14130	3.1
10.5	1110				10650	3850	14860	14900	10850	10300	14780	26210	280	10600	4350	10550	15030	3.3
11	1140				11150	3850	15360	15400	11350	10800	15280	27210	280	11100	4350	11050	15530	3.3
11.5	1180				11650	4250	16260	16300	11850	11300	16180	28610	280	11600	4750	11550	16430	3.5
12	1210				12150	4250	16760	16800	12350	11700	16680	29610	280	12100	4750	11950	16930	3.5
12.5	1510				12650	4450	17660	17700	12850	12150	17580	31010	380	12600	5100	12400	31260	3.8
13	1560	13150	4450	18160	18200	13350	12650	18080	32010	380	13100	5100	12900	32260	3.8			
13.5	1610	13650	4550	18760	18800	13850	13100	18680	33110	380	13600	5200	13350	33360	3.9			

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.

Sizes

Height of gate frame	2000	HSB			
	1800				
	1600				
	1400				
	1200				
	1000				
		3000	4000	5000	6000
Clear passage width					

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



Standard

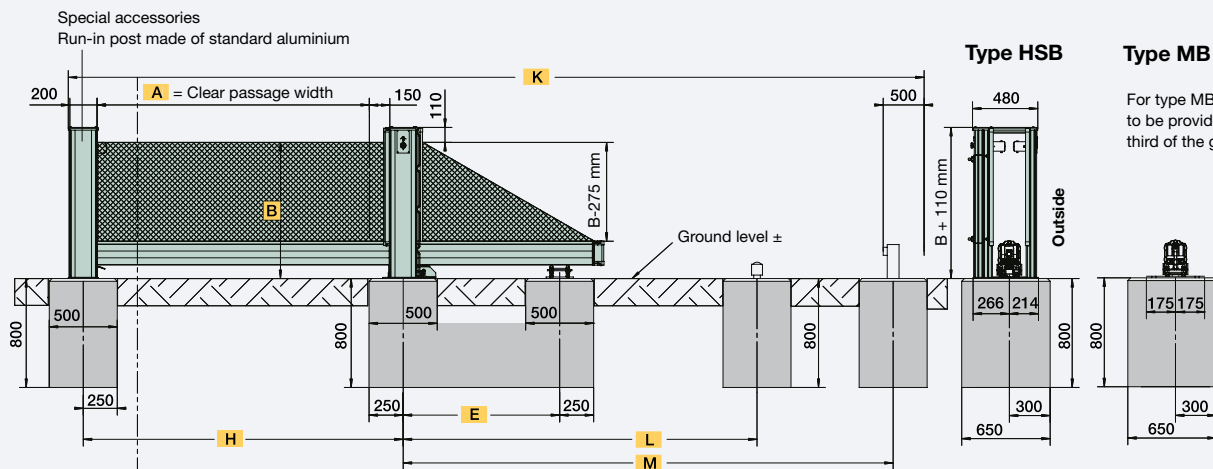
- Clear passage width: 3 m - 6 m
- Opening direction with view from outside: left or right
- Bottom cantilever height: 175 mm
- Colour: aluminium, anodised EV1

Optional extras

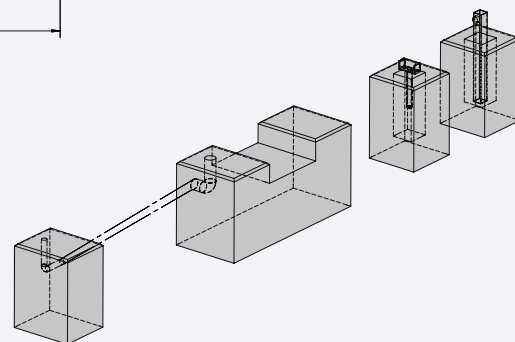
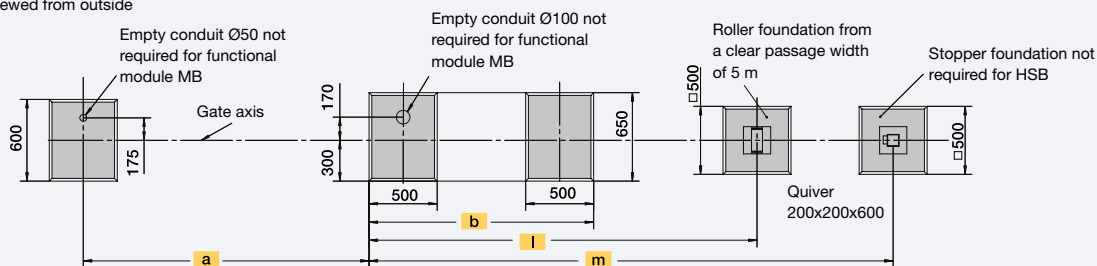
- Double run-in posts made of hot-galvanized steel, with leading roller and stopper to relieve the closed gate leaf
- Run-in post, standard aluminium, matching the guide post with leading roller and stopper to relieve the closed gate leaf
- Two-way intercom
Intercom unit integrated in the run-in post (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

Technical Data

Sliding gate HSB, MB



Gate opening to right,
as viewed from outside



Dimensions for HSB and MB

Clear passage width (m)	Gate height (mm)	Centre distance of stations	Centre distance of main gate posts	Required overall length	Centre distance of leading roller	Centre distance of stopper	Centre of run-in post (from reference edge)	Length of main foundation	Centre of leading roller (from reference edge)	Centre of stopper (from reference edge)
A	B	E	H	K	L	M	a	b	l	m
3	1000/1200/1400 1600/1800/2000	1350	3350	8710	-	4780	3100	1850	3250	5030
4		1450	4350	10810	-	5880	4100	1950	3750	6130
5		1850	5350	13210	4600	7280	5100	2350	4850	7530
6		1850	6350	15210	5300	8280	6100	2350	5550	8530



1 Sectional door



2 Rolling shutters and rolling grilles



3 Folding gates made of steel and aluminium



4 High-speed doors

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.





5 Loading technology



6 Fire sliding doors

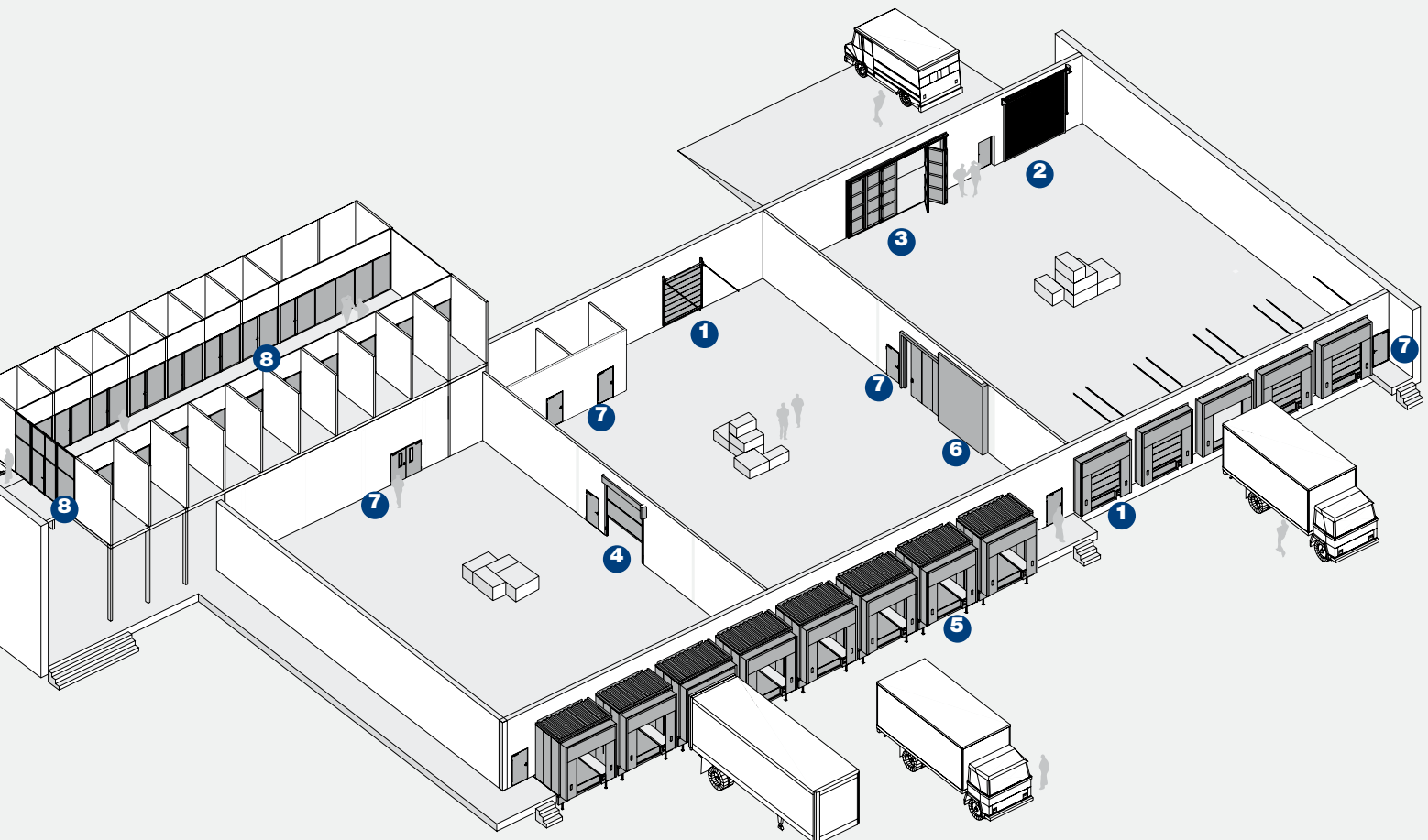


7 Multifunctional doors
Facility inner doors



8 Fire and smoke-protection
box-frame parts

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 KG Amshausen, Germany



Hörmann KG Antriebstechnik, Germany



Hörmann KG Brandis, Germany



Hörmann KG Brockhagen, Germany



Hörmann KG Dissen, Germany



Hörmann KG Eckelhausen, Germany



Hörmann KG Freisen, Germany



Hörmann KG Ichtshausen, Germany



Hörmann KG Werne, Germany



Hörmann Genk NV, Belgium



Hörmann Alkmaar B.V., Netherlands



Hörmann Legnica Sp. z o.o., Poland



Hörmann Beijing, China



Hörmann Tianjin, China



Hörmann LLC, Montgomery IL, USA



Hörmann Flexon, Leetsdale PA, USA

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

