

NEW
Aluminium sliding gates



Sliding Gates

Self-supporting construction, high security standards, completely pre-assembled



Good reasons to try Hörmann

Our technology is innovative

Hörmann sliding gates in a sophisticated design

The ideal protection for wide passages

Hörmann sliding gates made of stable steel profiles are delivered as a complete element with an opening width of up to 16 m. Thus, with 2-element versions, a width of 32 m can be attained. The construction is self-supporting.

Your advantages: very little foundation work, no guide rail fitting, no gate travel malfunctions due to ice, snow or heavy soiling.

Always optimally aligned

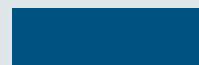
Pre-tensioning the gate leaf construction reduces the distortion. A tension element allows the height of the front edge to be corrected retroactively. The gate leaf is precisely positioned in the entrance.

Electric operator HSA on request with press-and-hold or impulse control

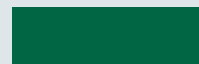
The operator is fitted into the load-bearing bottom beam, concealed and weather-protected. Optimum transmission of forces without play, low maintenance worm gear with flanged 3-phase current motor and release for manual actuation are the hallmarks of the HSA. Everything comes completely fitted: operator and control pre-wired, control box / cabinet as a waterproof unit. With automatic control, five self-monitoring closing edge safety devices offer you a high safety standard.

Colour palette based on RAL

You can choose between 7 standard colours as well as special colours available on request.



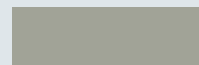
RAL 5010
Gentian blue



RAL 6005
Moss green



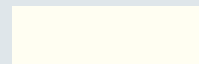
RAL 7016
Anthracite grey



RAL 7030
Stone grey



RAL 7032
Pebble grey



RAL 9010
Pure white



Silver grey
(similar to zinc)

1

Additional aluminium guide rollers*

Aluminium guide rollers* are attached on the top edge of the gate leaf on both sides of the gate, preventing direct contact between the track rollers and the high-quality gate coating. This preserves the gate's attractive look.

* Included in the scope of delivery with type HS, optionally available with type HSS/HS Alu.

2

Safe automatic control

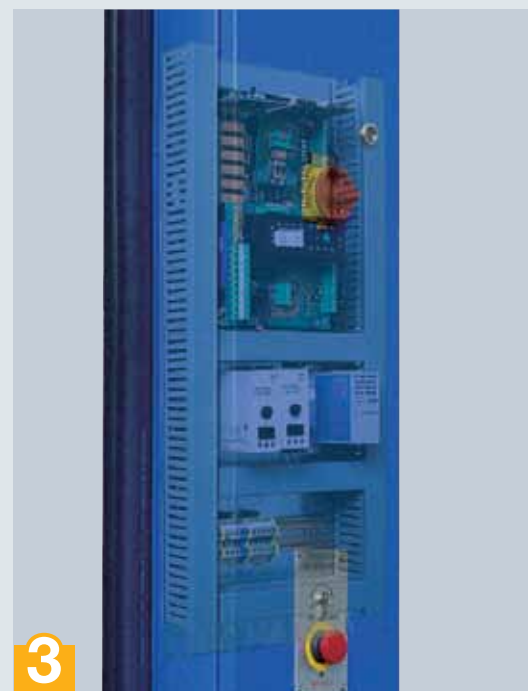
Five self-monitoring closing edge safety devices stop the gate instantly – even on encountering the slightest resistance. This ensures the highest safety for persons and vehicles.



1



2



3

3

Safe control electronics

The electronic control system is integrated into the post. It is located on the yard side. To carry out maintenance or adjustment work, the front flap must only be unlocked. An individually coded hand transmitter makes opening the sliding gate from the vehicle especially convenient for the drivers in your company vehicle fleet. This is a great advantage for frequently used gates.

A powerful electronic system for all control functions

- Contact strip evaluation
- Radio control
- Card reader system
- Automatic timed opening / closing
- Induction loops
- Photocells
- Display: Open, Close, Gate travelling

Innovative gate technology

The difference is in the detail



Manual operation in case of power failure

In case of power failure, you can quickly and easily switch the gate from electric to emergency operation. Then the gate can be opened or closed in manual emergency operation with very little effort.



Sliding gate operator integrated invisibly into the bottom beam

This is not only the most attractive solution, but also offers more protection from adverse effects of the weather and unauthorised access at the same time (see figure on p. 3).



Heavy-duty polyamide track rollers

Polyamide is a wear-resistant material, thus low in wear and maintenance. Together with the double ball-bearing, it guarantees quiet travel.



Specially coated track rollers

Thanks to the elaborate roller bearings of the plastic track rollers in enclosed housings, your extremely smooth-running door features noise protection.

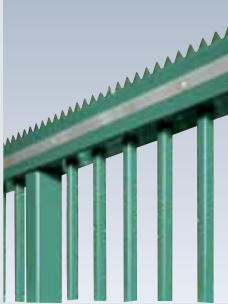


Contact strips

The contact strips on the gate leaf and guide post prevent accidents and material damage by opening and closing gates. This is possible thanks to five contact strips mounted on the gate leaf and guide posts.

Available accessories

Accessories on request



Climb-over protection

Climb-over protection consists of a 50-mm-high spiked ledge, which is welded along the entire length of the top beam.



Flashing warning light

The installed flashing warning light serves as a safety precaution to prevent accidents.



Fence fixing

The fence fixing attached to one side of guide post or front post is perfectly matched to the gate's design.



LED rotating warning light

On request, the rotating warning lights, fitted to the base of the guide post, are also available with a protective cage.



Side pedestrian door

The single-leaf door is 1000 mm wide and available in heights from 800 – 2400 mm.



Warning strips

The red/white reflective warning strips are attached to both sides of the bottom beam.



Intercom

To enable visitors to communicate with the gatekeeper or the reception, the intercom can be fitted in the guide post or the front post.



Yearly timer

Switches automatic operation ON/OFF, takes holidays into account

Steel sliding gates HSS

A basic version for a door width up to 9 m

Hörmann's sliding gate HSS consists of high-quality individual components and requires a comparatively low investment sum. The HSS sliding gate offers a convenient package at a streamlined price and fits beautifully and harmoniously into your premises. It is in no way inferior to sliding gate HS when it comes to safety and quality.

Depending on the width of your entrance, you can choose between two gate types and additional equipment options:

HSS 160

Bottom beam height 160 mm /
bottom beam depth 165 mm
Clear passage width up to 7000 mm
Operator power 0.18 kW

HSS 200

Bottom beam height 200 mm /
bottom beam depth 165 mm
Clear passage width up to 9000 mm
Operator power 0.37 kW



Optional extras for sliding gate HSS

- Intermediate height measurements
- Surface in RAL to choose
- Drill stencil as a fitting device
- Reflective warning strips on the bottom beam
- Climb-over protection (spiked ledge) from 1.8 m height
- Protective rail for top beam, made of aluminium, on both sides
- Fence fixing for fence on both sides attached to the gate
- Side door 1000 mm wide, prepared for plug-and-screw fitting
- Contact strips
- Flashing warning light
- Intercom

Size table

Gate frame height	2000	HSS 160					HSS 200	
	1800							
	1600							
		3000	4000	5000	6000	7000	8000	9000
		Clear passage width						

Steel sliding gates HS

An individual version with a door width of up to 16 m

The first impression is crucial – this is why it is important that your business associates, visitors and employees immediately get the right impression upon entering or driving into your premises. This is ensured by the wealth of design options available to you. Individual demands require customized solutions.

Depending on the width of your entrance, you can select between four gate types and many optional extras:

HS 160

Bottom beam height 160 mm /
bottom beam depth 165 mm
Clear passage width up to 6000 mm
Operator power 0.18 kW

HS 200

Bottom beam height 200 mm /
bottom beam depth 165 mm
Clear passage width up to 9000 mm
Operator power 0.37 kW

HS 280

Bottom beam height 280 mm /
bottom beam depth 200 mm
Clear passage width up to 12000 mm
Operator power 0.75 kW

HS 400

Bottom beam height 400 mm /
bottom beam depth 200 mm
Clear passage width up to 16000 mm
Operator power 0.75 kW



Optional extras for sliding gate HS

- Intermediate heights and widths
- Surface in RAL to choose
- Drill stencil as a fitting device
- Special foundation plan acc.to local conditions
- Special gate leaf infills
- Sliding gate up to a maximum height of 2000 mm adjusted to the site gradient, max. 3% slope, incl. brake for emergency operation
- Reflective warning strips on the bottom beam
- Key safe F 3100, fitted in the guide post
- Soft start device (recommended for frequent gate cycles)
- Climb-over protection (spiked ledge) from 1.8 m height
- Fence fixing for fence on both sides attached to the gate
- Side door 1000 mm wide, prepared for plug-and-screw fitting
- Additional contact strips
- Flashing warning light or rotating warning light
- Intercom
- Induction loops (optionally with multi-function control)
- Additional closing edge safety device
- Weekly / yearly timer
- High-speed system

Size table

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

Aluminium sliding gates HS Alu

A basic version for a door width up to 15 m

The new Hörmann aluminium sliding gate HS Alu is an alternative for large gates. With the patented modular design of the bottom beam, gates with a clear passage of up to 15 m can be produced inexpensively. The silver strip gives the heavy-duty doors a distinctive, delicate look.

You can choose between four gate types and many accessory variants, depending on the width of your entrance:

HS Alu 200

Bottom beam height 200 mm /
bottom beam depth 165 mm
Clear passage width up to 9000 mm
Operator power 0.18 kW

HS Alu 240

Bottom beam height 240 mm /
bottom beam depth 165 mm
Clear passage width up to 11000 mm
Operator power 0.37 kW

HS Alu 340

Bottom beam height 340 mm /
bottom beam depth 200 mm
Clear passage width up to 13000 mm
Operator power 0.37 kW

HS Alu 440

Bottom beam height 440 mm /
bottom beam depth 200 mm
Clear passage width up to 15000 mm
Operator power 0.37 kW



Optional extras for sliding gate HS Alu

- Intermediate heights and widths
- Surface in RAL to choose
- Drill stencil as a fitting device
- Reflective warning strips on the bottom beam
- Climb-over protection (spiked ledge) from 1.8 m height
- Fence fixing for fence on both sides attached to the gate
- Flashing warning light or rotating warning light
- Additional contact strips
- Induction loop (optionally with multi-function control)
- Protective rail for top beam (made of aluminium, on both sides)

Size table

Gate frame height	2400	HS Alu 200						HS Alu 240		HS Alu 340		HS Alu 440	
	2000	HS Alu 200						HS Alu 240		HS Alu 340		HS Alu 440	
	1600	HS Alu 200						HS Alu 240		HS Alu 340		HS Alu 440	
		4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000
		Clear passage width											

Sliding gate HS BF with on-site infill

Individual design with a door width up to 10 m

Make your sliding gate an original. With an individually designed gate leaf infill (not included in scope of delivery), you can realise your special design wishes.

You can choose between three gate types, depending on the width of your entrance:

HS BF 160

Bottom beam height 160 mm /
bottom beam depth 165 mm
Clear passage width up to 6000 mm
Operator power 0.18 kW

HS BF 200

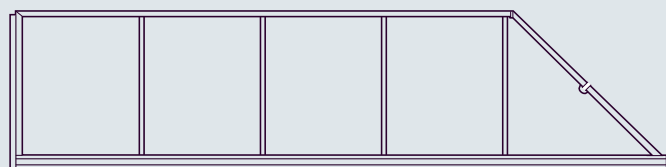
Bottom beam height 200 mm /
bottom beam depth 165 mm
Clear passage width up to 8000 mm
Operator power 0.37 kW

HS BF 280

Bottom beam height 280 mm /
bottom beam depth 200 mm
Clear passage width up to 10000 mm
Operator power 0.75 kW

Maximum permissible infill weight: 12 kg/m²:

Other designs, special support designs for on-site infill, higher infill weights or larger passage widths are possible after technical clarification and at a surcharge.



Optional extras for sliding gate HS BF
(see Steel sliding gate HS on page 7)

Size table

Gate frame height	2000	HS BF 160 HS BF 200 HS BF 280				HS BF 200 HS BF 280		HS BF 280	
	1800								
	1600								
		3000	4000	5000	6000	7000	8000	9000	10000

Clear passage width

Dimensions for HSS 160, 200 and HS 160, 200, 280, 400 as well as HS BF 160, 200, 280

Gate		Gate leaf												Foundation				
Clear passage width (m)	Total gate weight with a gate height of 2 m (kg)	Available total gate height	Gate frame height	Gate post height	Post distance	Centre distance of stations	Sliding length	Bottom beam length	Centre distance of the main gate posts	Centre distance to the buffer roller	Centre distance to the stopper	Total required length	Bottom beam height	Centre of front post	Length of main foundation	Centre buffer roller	Centre of stopper	Concrete vol. (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 400, HS BF 160*, HS BF 200*, HS BF 280*																		
3	410	Preferred dimensions (mm): 1200 / 1400 / 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	400	12600	5100	12400	17830	3.8			
13	1560	13150	4450	18160	18200	13350	12650	18080	32010	400	13100	5100	12900	18330	3.8			
13.5	1610	13650	4550	18760	18800	13850	13100	18680	33110	400	13600	5200	13350	18930	3.9			
14	1650	14100	4850	19560	19600	14350	13300	19480	34410	400	14100	5500	13550	19730	4.1			
14.5	1720	14600	5350	20560	20600	14850	13800	20480	35910	400	14600	6000	14050	20730	4.4			
15	1790	15100	5850	21560	21600	15350	14200	21480	37410	400	15100	6500	14450	21730	4.7			
15.5	1860	15600	5850	22060	22100	15850	14500	21980	38410	400	15600	6500	14750	22230	4.7			
16	1930	16100	6050	22760	22800	16350	15000	22680	39610	400	16100	6700	15250	22930	4.9			

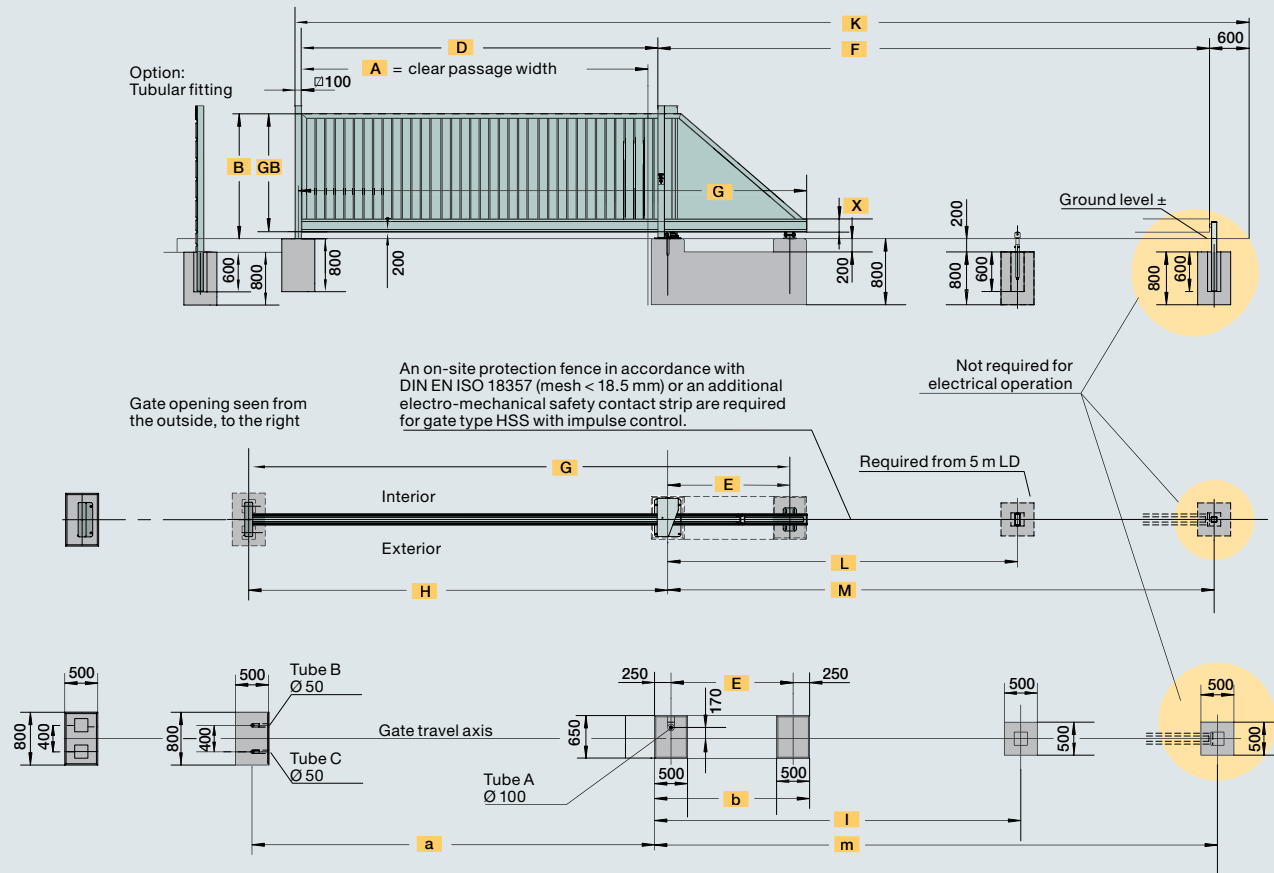
Take into account the directives for laying electric cables. Foundation size for floor class 3.
With a class below 3, the foundations must be increased accordingly.

* Up to 10 m LD for all on-site infills

Technical data

Aluminium doors

Sliding gate HS Alu 200, 240, 340, 440



Dimensions for HS Alu 200, 240, 340, 440

Gate		Gate leaf											Foundation								
Clear passage width (m)	Total gate weight with a gate height of 2 m (kg)	Available total gate height	Gate frame height	Gate post height	Post distance	Centre distance of stations	Sliding length	Bottom beam length	Centre distance of the main gate posts	Centre distance to the buffer roller	Centre distance to the stopper	Total required length	Bottom beam height	Centre of front post	Length of main foundation	Centre buffer roller	Centre of stopper	Concrete vol. (m ²)			
A	Fg	B	GB	C	D	E	F	G	H	L	M	K	X	A	b	L	m	B25			
HS Alu 200																					
3	307	Preferred dimensions (mm): 1600 / 2000 / 2400	B – 100 mm From top edge of foundation (±0)	B + 110 mm From top edge of foundation (+/- 0)	3200	1350	4810	4900	3350	–	4800	8710	200	3100	1850	–	5050	1.7			
3.5	323				3700	1350	5310	5400	3850	–	5300	9710	200	3600	1850	–	5550	1.7			
4	341				4200	1450	5910	6000	4350	–	5900	10810	200	4100	1950	–	6150	1.7			
4.5	363				4700	1550	6510	6600	4850	–	6500	11910	200	4600	2050	–	6750	1.8			
5	383				5200	1850	7310	7400	5350	4600	7300	13210	200	5100	2350	4850	7550	1.9			
5.5	399				5700	1850	7810	7900	5850	4800	7800	14210	200	5600	2350	5050	8050	1.9			
6	414				6200	1850	8310	8400	6350	5300	8300	15210	200	6100	2350	5550	8550	1.9			
6.5	448				6700	2250	9210	9300	6850	5900	9200	16610	200	6600	2750	6150	9450	2.2			
7	464				7200	2250	9710	9800	7350	6200	9700	17610	200	7100	2750	6450	9950	2.2			
7.5	492				7700	2450	10410	10500	7850	6600	10400	18810	200	7600	2950	6850	10650	2.3			
8	512				8200	2650	11110	11200	8350	7100	11100	20010	200	8100	3150	7350	11350	2.4			
8.5	541				8700	3050	12010	12100	8850	7600	12000	21410	200	8600	3550	7850	12250	2.6			
9	556				9200	3050	12510	12600	9350	8300	12500	22410	200	9100	3550	8550	12750	2.6			
HS Alu 240																					
9.5	639				Preferred dimensions (mm): 1600 / 2000 / 2400	B – 100 mm From top edge of foundation (±0)	B + 110 mm From top edge of foundation (+/- 0)	9700	3450	13410	13500	9850	8800	13400	23810	240	9600	3950	9050	13650	2.8
10	656	10200	3450	13910				14000	10350	9300	13900	24810	240	10100	3950	9550	14150	2.8			
10.5	682	10700	3850	14810				14900	10850	10300	14800	26210	240	10600	4350	10550	15050	3.5			
11	704	11200	3850	15310				15400	11350	10800	15300	27210	240	11100	4350	11050	15550	3.5			
HS Alu 340																					
11.5	868	Preferred dimensions (mm): 1600 / 2000 / 2400	B – 100 mm From top edge of foundation (±0)	B + 110 mm From top edge of foundation (+/- 0)	11700	4250	16410	16500	11850	11300	16380	28810	340	11600	4900	11550	16630	3.9			
12	893				12200	4250	16910	17000	12350	11700	16880	29810	340	12100	4900	11950	17130	3.9			
12.5	920				12700	4450	17610	17700	12850	12150	17580	31010	340	12600	5100	12400	17830	4.0			
13	946				13200	4450	18110	18200	13350	12650	18080	32010	340	13100	5100	12900	18330	4.0			
HS Alu 440																					
13.5	1162	Preferred dimensions (mm): 1600 / 2000 / 2400	B – 100 mm From top edge of foundation (±0)	B + 115 mm From top edge of foundation (+/- 0)	13650	4550	18760	18800	13850	13100	18680	33110	440	13600	5200	13350	18930	4.1			
14	1204				14150	4850	19560	19600	14350	13300	19480	34410	440	14100	5500	13550	19730	4.3			
14.5	1249				14650	5350	20560	20600	14850	13800	20480	35910	440	14600	6000	14050	20730	4.6			
15	1300				15150	5850	21560	21600	15350	14200	21480	37410	440	15100	6500	14450	21730	4.9			

Take into account the directives for laying electric cables. Foundation size for floor class 3.
With a class below 3, the foundations must be increased accordingly.

Hörmann product range

Everything from a single source for your construction project

1 Sectional doors

These space-saving door systems can be adapted to different industrial facilities using various track applications. Hörmann offers you tailored solutions for every application.

2 Rolling shutters and rolling grilles

Thanks to a simple construction with just a few components, rolling shutters are both economical and sturdy. Hörmann supplies rolling shutters in widths and heights of up to 11.75 m and 9 m respectively, or as special doors which are even larger.

3 High-speed doors

Hörmann high-speed doors are used both inside and as exterior doors to optimise the flow of traffic, improve room conditions and save energy. The Hörmann programme includes vertically and horizontally opening transparent doors with flexible curtains.

4 Loading technology

Hörmann offers you complete loading systems for the logistics sector. The advantages: reliable planning, dependable execution of construction work and high functionality thanks to precisely matched components.

5 Fire sliding doors

Hörmann can provide you with single or double-leaf sliding door solutions suitable for all areas and required fire protection classes.

6 Multi-function doors and reinforced internal doors

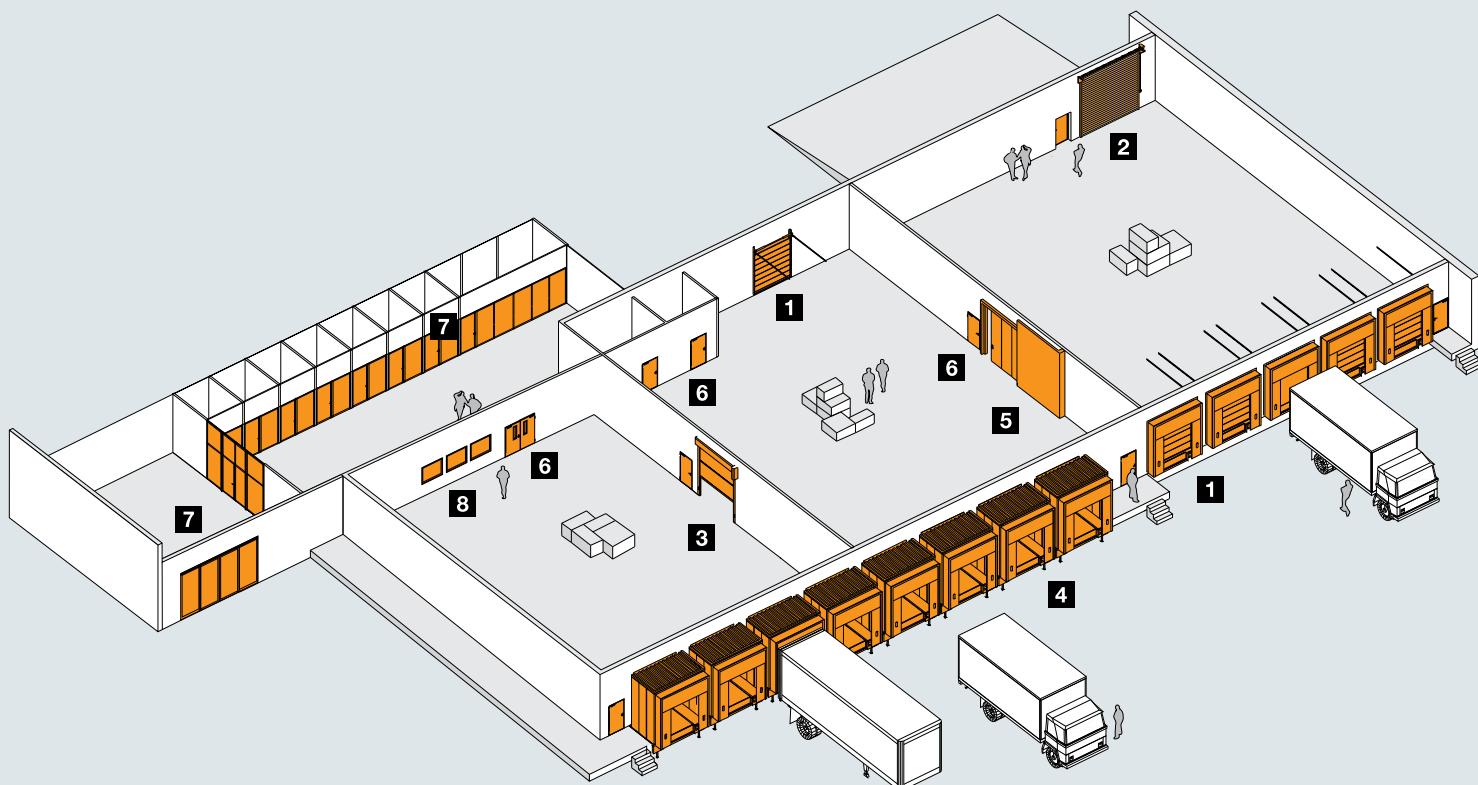
Hörmann multi-function doors and reinforced internal doors are suitable for indoor and outdoor use. Our single and double-leaf doors can be used wherever robust door elements are required. With numerous additional functions, such as fire and smoke protection, acoustic insulation or burglar protection.

7 Box frame parts

For areas in which appearance is important, such as administrative buildings, Hörmann offers you fire and smoke protection doors as well as steel and aluminium fixed glazing and automatic sliding doors, also suited for special fire protection requirements.

8 Visibility windows

Hörmann visibility glazings are used as windows or room-high elements to provide more light and better visibility.





**Quick service with testing,
maintenance and repairs**
Our extensive service network
means that we are always nearby
and at your service around the clock.



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 Ichttershausen, 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-specialised 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”.

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