



# SLIDING GATES

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

**HÖRMANN**

# Sliding gates

Mature technology with ambitious design

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Hörmann sliding gates made of robust steel profiles are delivered as a door set, with an opening width of up to 16 m. Thus, with 2-element versions, a width of 32 m can be attained. The self supporting construction offers impressive advantages: very little foundation work, no guide rail fitting, no door travel malfunctions due to ice, snow or heavy soiling. Pre-tensioning of the door lead design limits 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.



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### Sliding gate operator

#### integrated invisibly into the bottom beam **1**

This is not only the most attractive solution, but also offers more protection from adverse weather effects and unauthorised access at the same time.

#### Manual operation in case of power failure **2**

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

#### Heavy-duty polyamide track rollers **3**

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 **4**

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

#### Safe automatic control **5**

Five self-monitoring closing edge safety devices stop the gate instantly – even on encountering the slightest resistance.

#### Additional aluminium guide rollers\* **6**

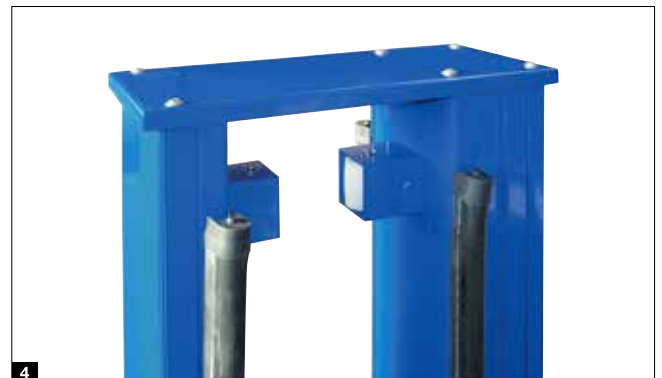
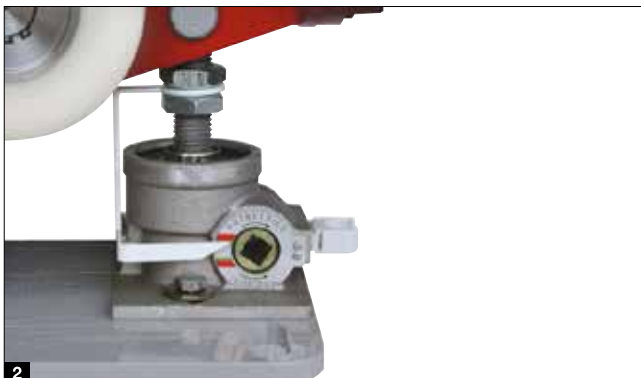
Aluminium guide rollers\* are attached to the top edge of the gate leaf on both sides of the gate, preventing direct contact between the track rollers and the high-quality gate coating. This preserves the gate's attractive look.

#### Safe control electronics **7**

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 be unlocked. An individually coded hand transmitter makes opening the sliding gate 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
- Always optimally aligned

\* Included in scope of delivery with Type HS, optionally available with type HSS / HS Alu



# Steel Sliding Gates HSS

A basic version with a door width of up to 9 m

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

## Optional extras

- 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
- Induction loop detector
- Weekly timer



Door type	HSS 160	HSS 200
Bottom beam height (mm)	160	200
Bottom beam depth (mm)	165	165
Clear passage width (mm)	7000	9000
Operator power (kW)	0,18	0,37

## Size range

Total gate height*	HSS 160						HSS 200	
	3000	4000	5000	6000	7000	8000	9000	
2000	HSS 160						HSS 200	
1600								
	Clear passage width							

\* Incl. approx. 100 mm distance to ground

All details in mm

# 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 possibilities available to you with this gate. Individual demands require customised solutions.

## Optional extras

- Intermediate heights and widths
- Surface in RAL to choose
- Drill stencil as a fitting device
- Special foundation plan according to local conditions
- Special gate leaf infills
- Sliding gate up to a maximum height of 2000 mm and width of 12000 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



Door type	HS 160	HS 200	HS 280	HS 400
Bottom beam height (mm)	160	200	280	400
Bottom beam depth (mm)	165	165	200	200
Clear passage width (mm)	7000	9000	12000	16000
Operator power (kW)	0,18	0,37	0,75	0,75

## Size range

Total gate height*	Clear passage width															
	3000	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	14000	15000	16000		
2400																
2200																
2000	HS 160 HS 200			HS 160 HS 200 HS 280		HS 200 HS 280			HS 280	HS 280 HS 400	HS 400					
1800	HS 160 HS 200			HS 160 HS 200 HS 280		HS 200 HS 280			HS 280	HS 280 HS 400	HS 400					
1600	HS 160 HS 200			HS 160 HS 200 HS 280		HS 200 HS 280			HS 280	HS 280 HS 400	HS 400					
1200	HS 160 HS 200			HS 160 HS 200 HS 280		HS 200 HS 280			HS 280	HS 280 HS 400	HS 400					

\* Incl. approx. 100 mm distance to ground

All details in mm

# Aluminium Sliding Gates HSS Alu

An individual version with a door width of up to 13 m

The Hörmann aluminium sliding gate HS Alu is an alternative to large gates. With the patented modular design of the bottom beam, gates with a clear passage of up to 13 m can be produced inexpensively. The inlaid silver strip gives the heavy-duty gates a distinctive, delicate look.

## Optional extras

- 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
- Flashing warning light or rotating warning light
- Additional contact strips
- Induction loop detector
- Protective rail for top beam  
(made of aluminium, on both sides)
- Weekly timer



Door type	HS Alu 200	HS Alu 240	HS Alu 340	HS Alu 440
Bottom beam height (mm)	200	240	340	400
Bottom beam depth (mm)	175	175	175	175
Clear passage width (mm)	7000 / 9000	9000 / 11000	11000 / 12000	12000 / 13000
Operator power (kW)	0,25	0,37	0,37	0,37

## Size range

Total gate height*	Clear passage width										
	4000	5000	6000	7000	8000	9000	10000	11000	12000	13000	
2400					HS Alu 240			HS Alu 340			
2200											
2000											
1800											
1600	HS Alu 200										
1400	HS Alu 200						HS Alu 240		HS Alu 340		
1200	HS Alu 200						HS Alu 240		HS Alu 340		
1000	HS Alu 200						HS Alu 240		HS Alu 340		

\* Incl. approx. 100 mm distance to ground

All details in mm

### Special equipment



**Climb-over protection**  
50-mm-high spiked ledge welded along the entire length of the top beam



**Fence fixing**  
Fence fixing attached to one side of guide post or front post



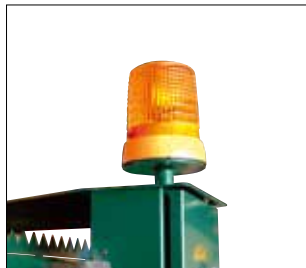
**Side pedestrian door**  
Single-leaf door, width 1000 mm, height 800–2400 mm



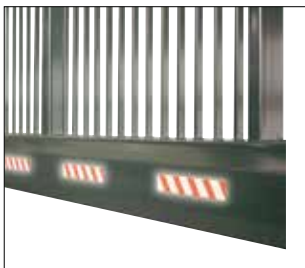
**Intercom**  
Attached to guide post or front post



**Flashing warning light**  
A safety precaution to prevent accidents



**LED rotating warning light**  
Fitted to the base of the guide post, also available with a protective cage

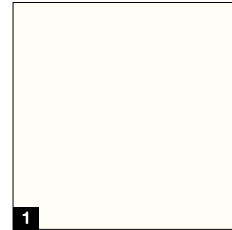


**Warning strips**  
Red / white reflective warning strips are attached to both sides of the bottom beam

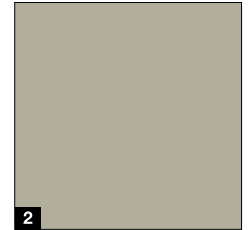


**Yearly timer**  
Automatic operation ON / OFF, takes holidays into account

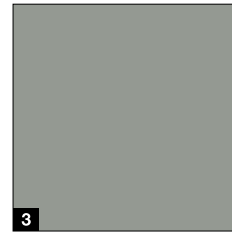
### Standard colours



1



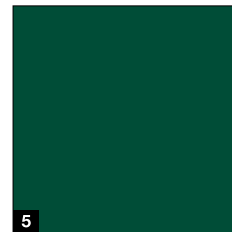
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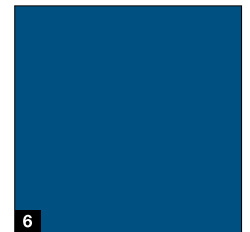
3



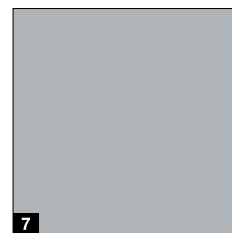
4



5



6



7

- 1 RAL 9010 Pure white
- 2 RAL 7032 Pebble grey
- 3 RAL 7030 Stone grey
- 4 RAL 7016 Anthracite grey
- 5 RAL 6005 Moss green
- 6 RAL 5010 Gentian blue
- 7 Silver grey (similar to zinc) not for HS Alu

You can choose between 7 standard colours as well as special colours available on request. On request, all other RAL colours are also available.

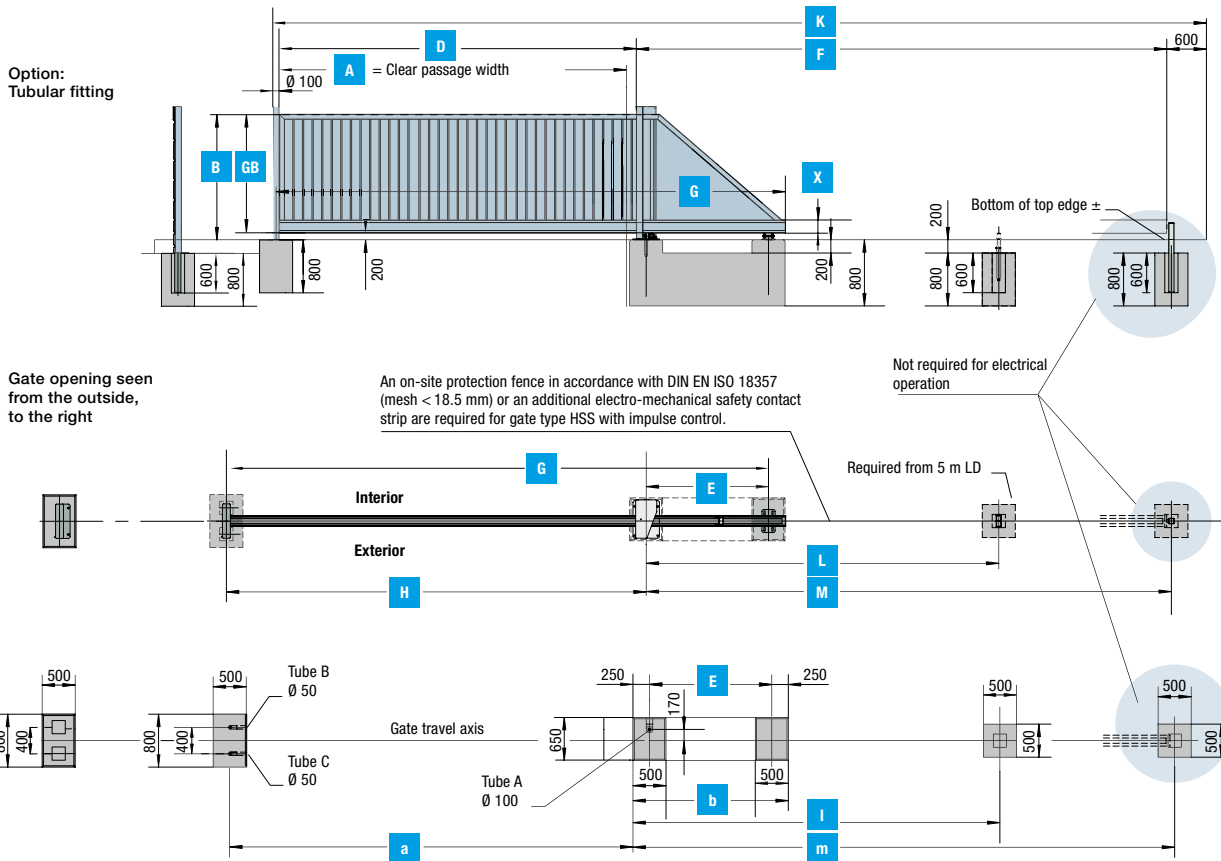


**RAL to choose**

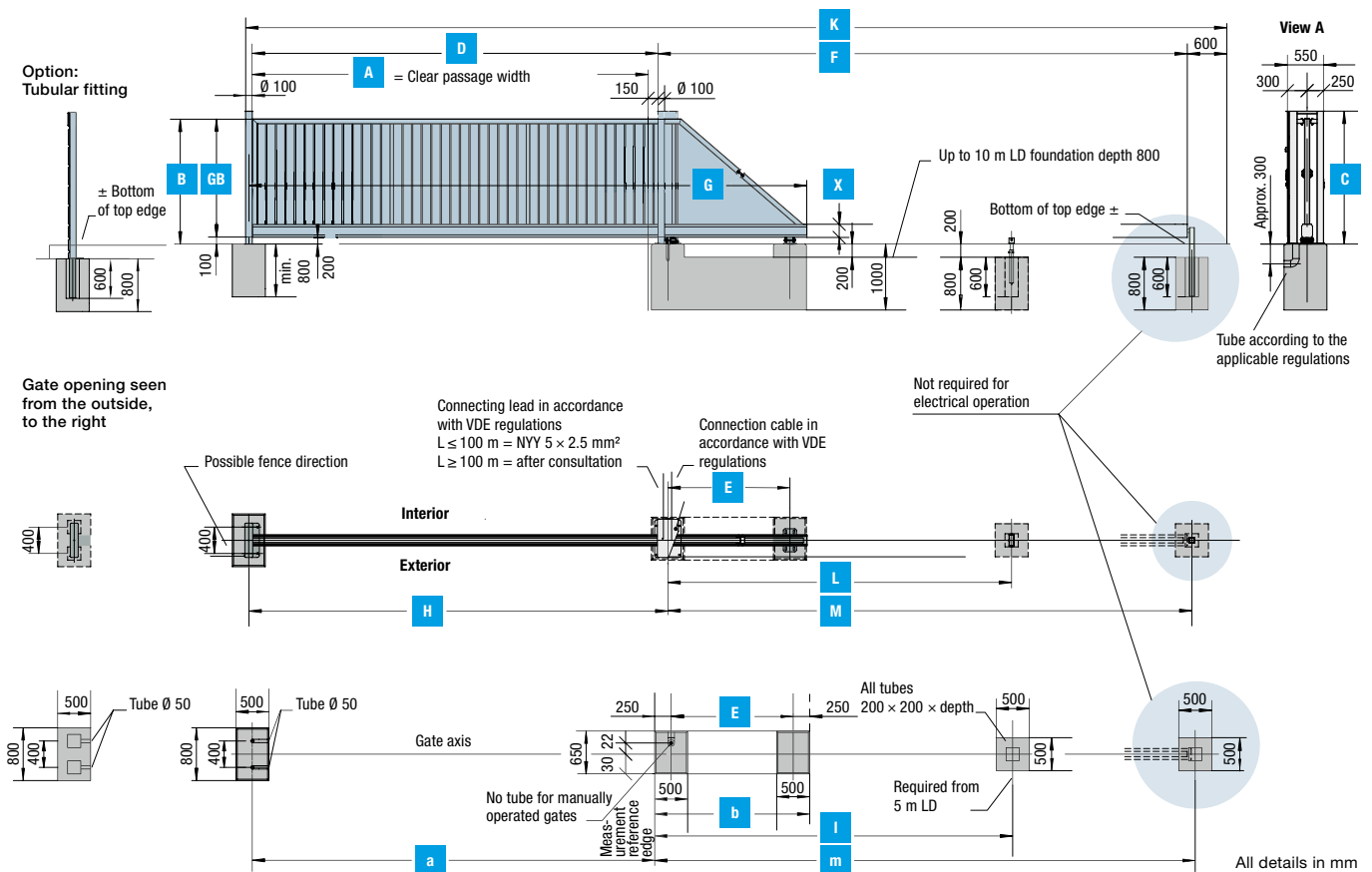
# Steel Sliding Gates

Technical data and dimensions

## Sliding gate HSS 160, 200



## Sliding gate HS 160, 200, 280, 400





Gate		Gate leaf												Foundation				
Clear passage width (mm)	Total gate weight with a gate height of 2 m (kg)	Available total gate height (mm)	Gate frame height (mm)	Gate post height (mm)	Post distance (mm)	Centre distance of stations (mm)	Sliding length (mm)	Bottom beam length (mm)	Centre distance to the main gate posts (mm)	Centre distance to the buffer roller (mm)	Centre distance to the stopper (mm)	Total required length (mm)	Bottom beam height (mm)	Centre of front post (mm)	Length of main foundation (mm)	Centre of buffer roller (mm)	Centre of stopper (mm)	Concrete vol. (m <sup>2</sup> )
A	Fg	B	GB	C	D	E	F	G	H	L	M	K	X	a	b	l	m	B25
<b>HSS 160</b>																		
3000	410	Preferred dimensions: 1600/1800/2000	B - 100 From top edge of foundation (+/- 0)	B + approx. 115 From top edge of foundation	3200	1350	4810	4900	3350	3000	4780	8710	160	3100	1850	3250	5030	1,6
4000	460				4200	1450	5910	6000	4350	3500	5880	10810	160	4100	1950	3750	6130	1,7
5000	520				5200	1850	7310	7400	5350	4600	7280	13210	160	5100	2350	4850	7530	1,8
6000	600				6200	1850	8310	8400	6350	5300	8280	15210	160	6100	2350	5550	8530	1,8
7000	660				7200	2250	9710	9800	7350	6200	9680	17610	160	7100	2750	6450	9930	2,0
<b>HSS 200</b>																		
8000	730				8200	2650	11110	11200	8350	7100	11080	20010	200	8100	3150	7350	11330	2,2
9000	980				9200	3050	12510	12600	9350	8300	12480	22410	200	9100	3550	8550	12730	2,9
<b>HS 160, HS 200, HS 280, HS 400</b>																		
3000	410	Preferred dimensions: 1200/1400/1600/1800/2000/2200/2400	B - 100 From top edge of foundation (+/- 0)	B + approx. 115 From top edge of foundation	3150	1350	4860	4900	3350	3000	4780	8710	200	3100	1850	3250	5030	1,6
3500	430				3650	1350	5360	5400	3850	3300	5280	9710	200	3600	1850	3550	5530	1,6
4000	460				4150	1450	5960	6000	4350	3500	5880	10810	200	4100	1950	3750	6130	1,7
4500	480				4650	1550	6560	6600	4850	3800	6480	11910	200	4600	2050	4050	6730	1,7
5000	520				5150	1850	7360	7400	5350	4600	7280	13210	200	5100	2350	4850	7530	1,8
5500	540				5650	1850	7860	7900	5850	4800	7780	14210	200	5600	2350	5050	8030	1,8
6000	600				6150	1850	8360	8400	6350	5300	8280	15210	200	6100	2350	5550	8530	1,8
6500	640				6650	2250	9260	9300	6850	5900	9180	16610	200	6600	2750	6150	9430	2,0
7000	660				7150	2250	9760	9800	7350	6200	9680	17610	200	7100	2750	6450	9930	2,0
7500	690				7650	2450	10460	10500	78500	6600	10380	18810	200	7600	2950	6850	10630	2,1
8000	730				8150	2650	11160	11200	8350	7100	11080	20010	200	8100	3150	7350	11330	2,2
8500	970				8650	3050	12060	12100	8850	7600	11980	21410	280	8600	3550	7850	12230	2,9
9000	980				9150	3050	12560	12600	9350	8300	12480	22410	280	9100	3550	8550	12730	2,9
9500	1020				9650	3450	13460	13500	9850	8800	13380	23810	280	9600	3950	9050	13630	3,1
10000	1060				10150	3450	13960	14000	10350	9300	13880	24810	280	10100	3950	9550	14130	3,1
10500	1110				10650	3850	14860	14900	10850	10300	14780	26210	280	10600	4350	10550	15030	3,3
11000	1140				11150	3850	15360	15400	11350	10800	15280	27210	280	11100	4350	11050	15530	3,3
11500	1180				11650	4250	16260	16300	11850	11300	16180	28610	280	11600	4750	11550	16430	3,5
12000	1210				12150	4250	16760	16800	12350	11700	16680	29610	280	12100	4750	11950	16930	3,5
12500	1510				12650	4450	17660	17700	12850	12150	17580	31010	400	12600	5100	12400	17830	3,8
13000	1560	13150	4450	18160	18200	13350	12650	18080	32010	400	13100	5100	12900	18330	3,8			
13500	1610	13650	4550	18760	18800	13850	13100	18680	33110	400	13600	5200	13350	18930	3,9			
14000	1650	14100	4850	19560	19600	14350	13300	19480	34410	400	14100	5500	13550	19730	4,1			
14500	1720	14600	5350	20560	20600	14850	13800	20480	35910	400	14600	6000	14050	20730	4,4			
15000	1790	15100	5850	21560	21600	15350	14200	21480	37410	400	15100	6500	14450	21730	4,7			
15500	1860	15600	5850	22060	22100	15850	14500	21980	38410	400	15600	6500	14750	22230	4,7			
16000	1930	16100	6050	22760	22800	16350	15000	22680	39610	400	16100	6700	15250	22930	4,9			

**Please note:**

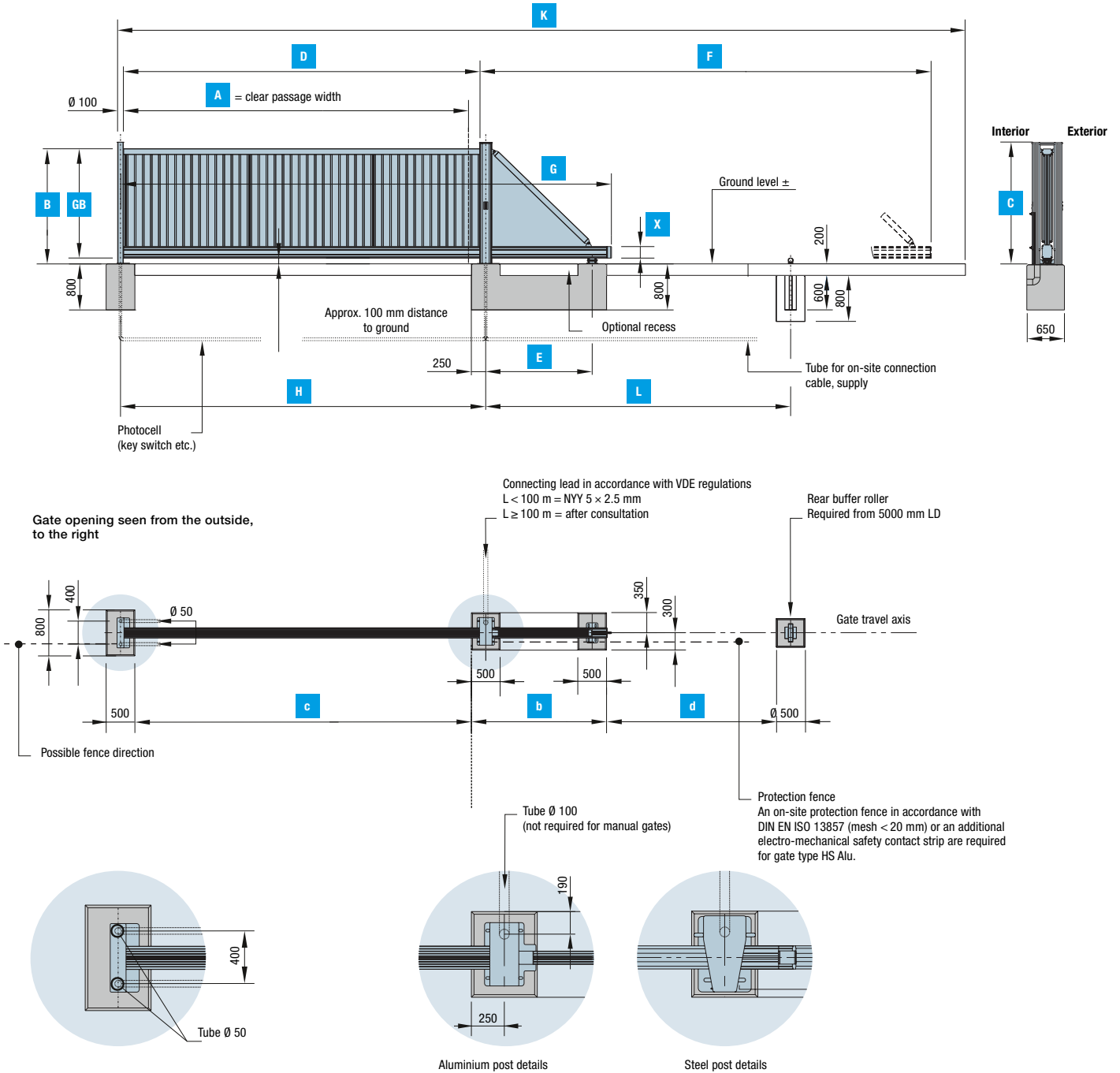
Take into account the directives for laying electric cables. Foundation size for floor class 3.  
With a class below 3, the foundations must be increased accordingly.

All details in mm

# Aluminium Sliding Gates

Technical data and dimensions

## Sliding gate HS Alu 200, 240, 340, 440



All details in mm

Gate		Gate leaf											Foundation			
Clear passage width (mm)	Total gate weight with a gate height of 2 m (kg)	Available total gate height (mm)	Gate frame height (mm)	Gate post height (mm)	Post distance (mm)	Centre distance of stations (mm)	Sliding length (mm)	Bottom beam length (mm)	Centre distance to the main gate posts (mm)	Centre distance to the buffer roller (mm)	Total required length (mm)	Bottom beam height (mm)	Front post foundation to the main foundation (mm)	Length of main foundation (mm)	Main foundation to the buffer roller foundation (mm)	Concrete vol. (m <sup>2</sup> )
A	Fg	B	GB	C	D	E	F	G	H	L	K	X	c	b	d	B25
<b>HS Alu 200</b>																
3000	300	Preferred dimensions: 1200 / 1400 / 1600 / 1800 / 2000 / 2200 / 2400 from top edge of foundation (+/- 0)	B - 100 From top edge of foundation (+/- 0)	Alu double post: B + 110 Steel post: B + 115	3200	1350	4810	4900	3350	-	8710	200	2850	1850	-	1,5
3500	315				3700	1350	5310	5400	3850	-	9710		3350	1850	-	1,5
4000	335				4200	1450	5910	6000	4350	-	10810		3850	1950	-	1,5
4500	355				4700	1550	6510	6600	4850	-	11910		4350	2050	-	1,6
5000	375				5200	1850	7310	7400	5350	4600	13210		4850	2350	2250	1,7
5500	390				5700	1850	7810	7900	5850	4800	14210		5350	2350	2450	1,7
6000	405				6200	1850	8310	8400	6350	5300	15210		5850	2350	2950	1,7
6500	440				6700	2250	9210	9300	6850	5900	16610		6350	2750	3150	2,0
7000	455				7200	2250	9710	9800	7350	6200	17610		6850	2750	3450	2,0
<b>HS Alu 200 / 240</b>																
7500	500				7700	2450	10410	10500	7850	6600	18810	200 240*	7600	2950	3650	2,3
8000	530				8200	2650	11110	11200	8350	7100	20010		8100	3150	3950	2,4
8500	590				8700	3050	12010	12100	8850	7600	21410		8600	3550	4050	2,6
9000	620				9200	3050	12510	12600	9350	8300	22410		9100	3550	4750	2,6
<b>HS Alu 240 / 340</b>																
9500	650				9700	3450	13410	13500	9850	8800	23810	240 340*	9600	3950	4850	2,8
10000	670				10200	3450	13910	14000	10350	9300	24810		10100	3950	5350	2,8
10500	685				10700	3850	14810	14900	10850	10300	26210		10600	4350	5950	3,5
11000	750				11200	3850	15310	15400	11350	10800	27210		11100	4350	6450	3,5
<b>HS Alu 340 / 440</b>																
11500	850			B + 115	11700	4250	16410	16500	11850	11300	28810	340 440*	11600	4900	6400	3,9
12000	955				12200	4250	16910	17000	12350	11700	29810		12100	4900	6800	3,9
12500	1050				12700	4450	17610	17700	12850	12150	31010	440	12600	5100	7050	4,0
13000	1120				13200	4450	18110	18200	13350	12650	32010		13100	5100	7550	4,0

\* From total gate height 2200 mm

**Please note:**

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.

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