



Sliding Gates

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

HÖRMANN

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. As a self supporting construction with two element versions, a width of 32m can be obtained.

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

Always optimally aligned

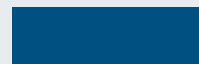
The gate leaf is positioned precisely in the entrance. By pre-tensioning the gate leaf construction, distortion is reduced and allows the height of the front edge to be corrected.

Electric operator HSA on request

The HSA is available 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



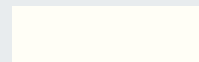
RAL 7016
Anthracite grey



RAL 7030
Stone grey



RAL 7032
Pebble grey



RAL 9010
Pure white



Silver grey
(similar to zinc)**

** Not for HS Alu

1

Additional aluminium guide rollers*

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.

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

2

Safe automatic control

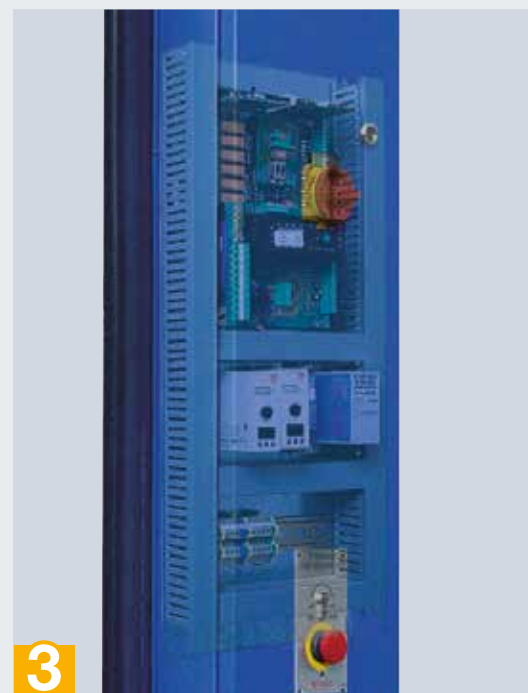
Five self-monitoring closing edge safety devices stop the gate instantly – even on encountering the slightest resistance. This ensures the highest safety for persons and vehicles.



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 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

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. The gate can then 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.



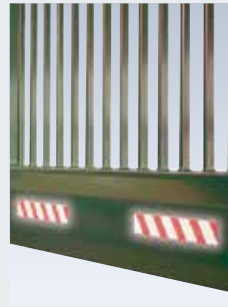
LED rotating warning light

On request, the rotating warning light, fitted to the base of the guide post, is 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 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.

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
- Induction loop detector
- Weekly timer

Size table

| | | | | | | | | |
|--------------------|------|---------------------|------|------|------|------|---------|------|
| Total gate 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 with this door. Individual demands require customised 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 7000 mm
Operator power 0.18 kW

HS 200

Bottom beam height 200 mm /
bottom beam depth 165 mm
Clear passage width up to 10000 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 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

Size table

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

* Incl. approx. 100 mm distance to ground

Aluminium Sliding Gates HS Alu

A basic version with a door width of up to 13 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 13 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 175 mm
Clear passage width up to 7000 mm / 9000 mm*
Operator power 0.18 kW

HS Alu 240

Bottom beam height 240 mm / bottom beam depth 175 mm
Clear passage width up to 9000 mm / 11000 mm*
Operator power 0.37 kW

HS Alu 340

Bottom beam height 340 mm / bottom beam depth 175 mm
Clear passage width up to 11000 mm / 12000 mm*
Operator power 0.37 kW

HS Alu 440

Bottom beam height 440 mm / bottom beam depth 175 mm
Clear passage width up to 13000 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 detector
- Protective rail for top beam (made of aluminium, on both sides)
- Weekly timer

Size table

| | | | | | | | | | | |
|---------------------|------|------------|------|------|------|------|------------|-------|------------|-------|
| Total gate height** | 2400 | HS Alu 240 | | | | | HS Alu 340 | | HS Alu 440 | |
| | 2200 | | | | | | | | | |
| | 2000 | HS Alu 200 | | | | | HS Alu 240 | | HS Alu 340 | |
| | 1800 | | | | | | | | | |
| | 1600 | | | | | | | | | |
| | 1400 | | | | | | | | | |
| | 1200 | | | | | | | | | |
| | 1000 | | | | | | | | | |
| 8 | 4000 | 5000 | 6000 | 7000 | 8000 | 9000 | 10000 | 11000 | 12000 | 13000 |
| Clear passage width | | | | | | | | | | |

* Up to door height 2000 mm
** Incl. approx. 100 mm distance to ground

Sliding Gate HS BF with On-Site Infill

Individual design with a door width of 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

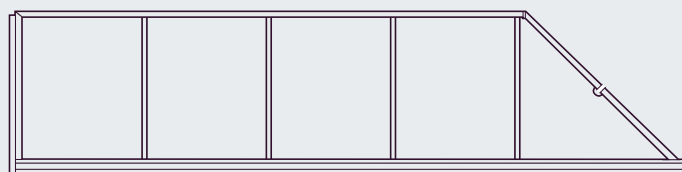
Bottom beam height 200 mm /
bottom beam depth 165 mm
Clear passage width up to 8000 mm
Operator power 0.37 kW

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

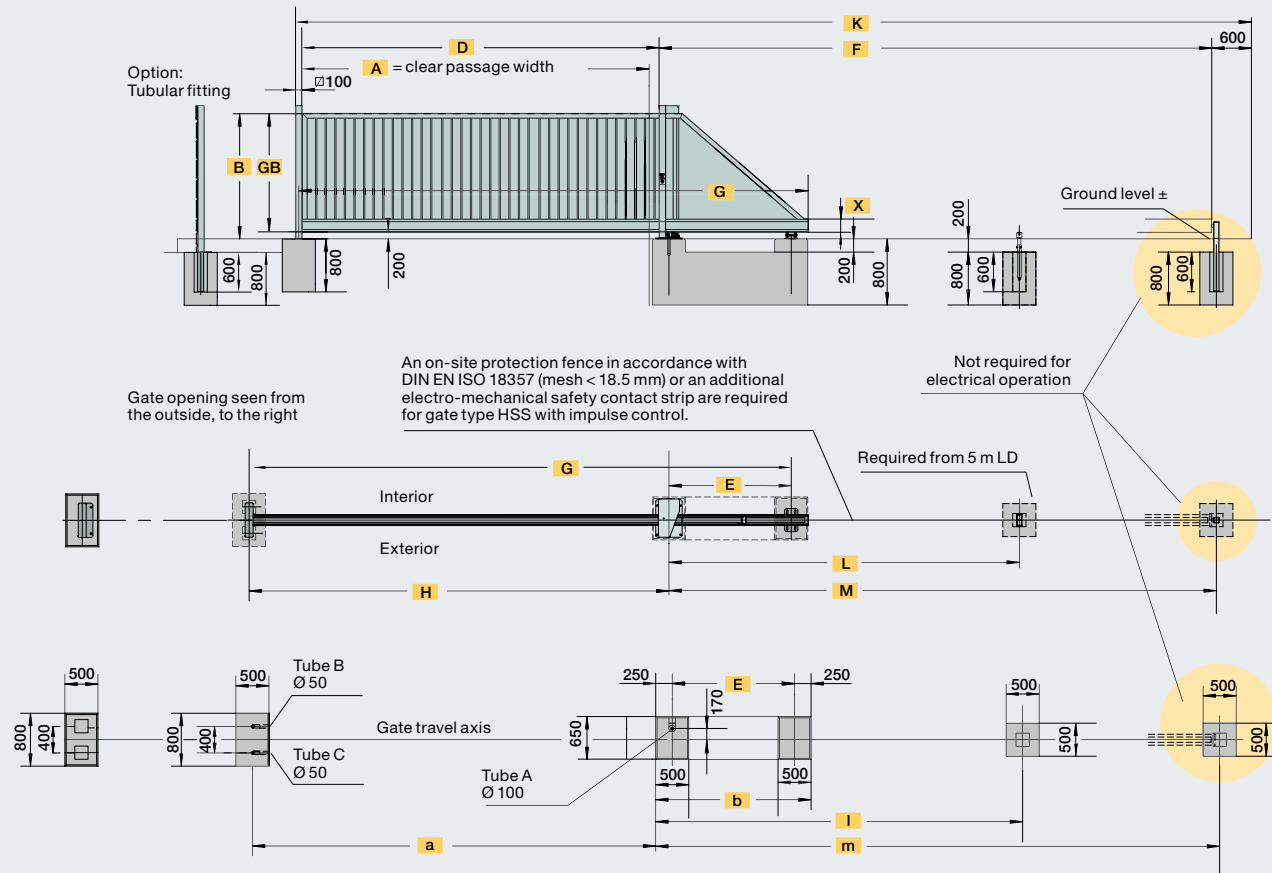
| | | | | | | | | | |
|--------------------|------|-------------------------------------|------|------|------|------------------------|------|-----------|-------|
| Total gate height* | 2000 | HS BF 160 HS BF 200 HS BF 280 | | | | HS BF 200 HS BF 280 | | HS BF 280 | |
| | 1800 | | | | | | | | |
| | 1600 | | | | | | | | |
| | | 3000 | 4000 | 5000 | 6000 | 7000 | 8000 | 9000 | 10000 |
| | | Clear passage width | | | | | | | |

* Incl. approx. 100 mm distance to ground

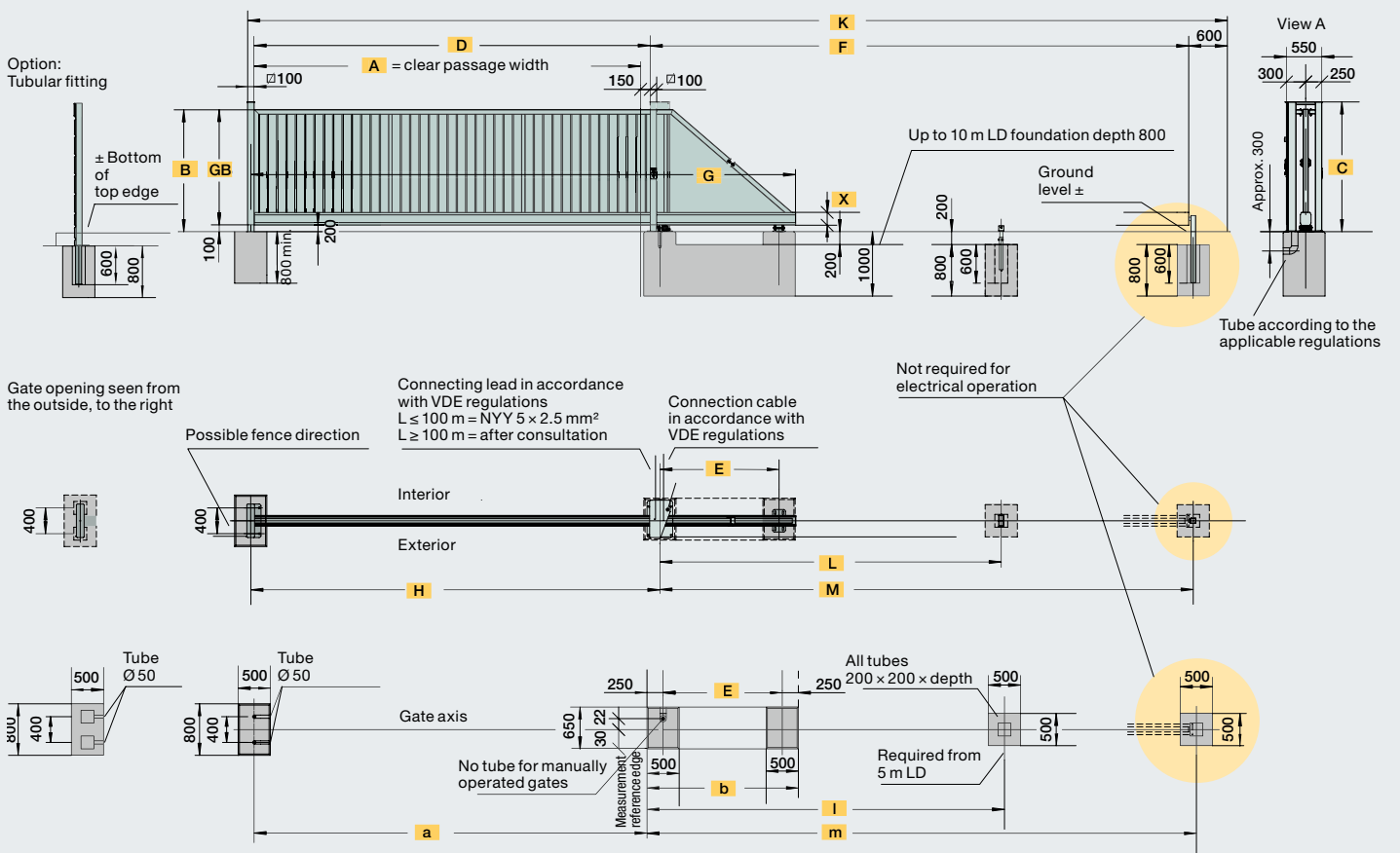
Technical Data

Steel doors

Sliding gate HSS 160, 200



Sliding gate HS 160, 200, 280, 400



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 ³) | | | |
| 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 | 7850 | 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 | | | | | | |

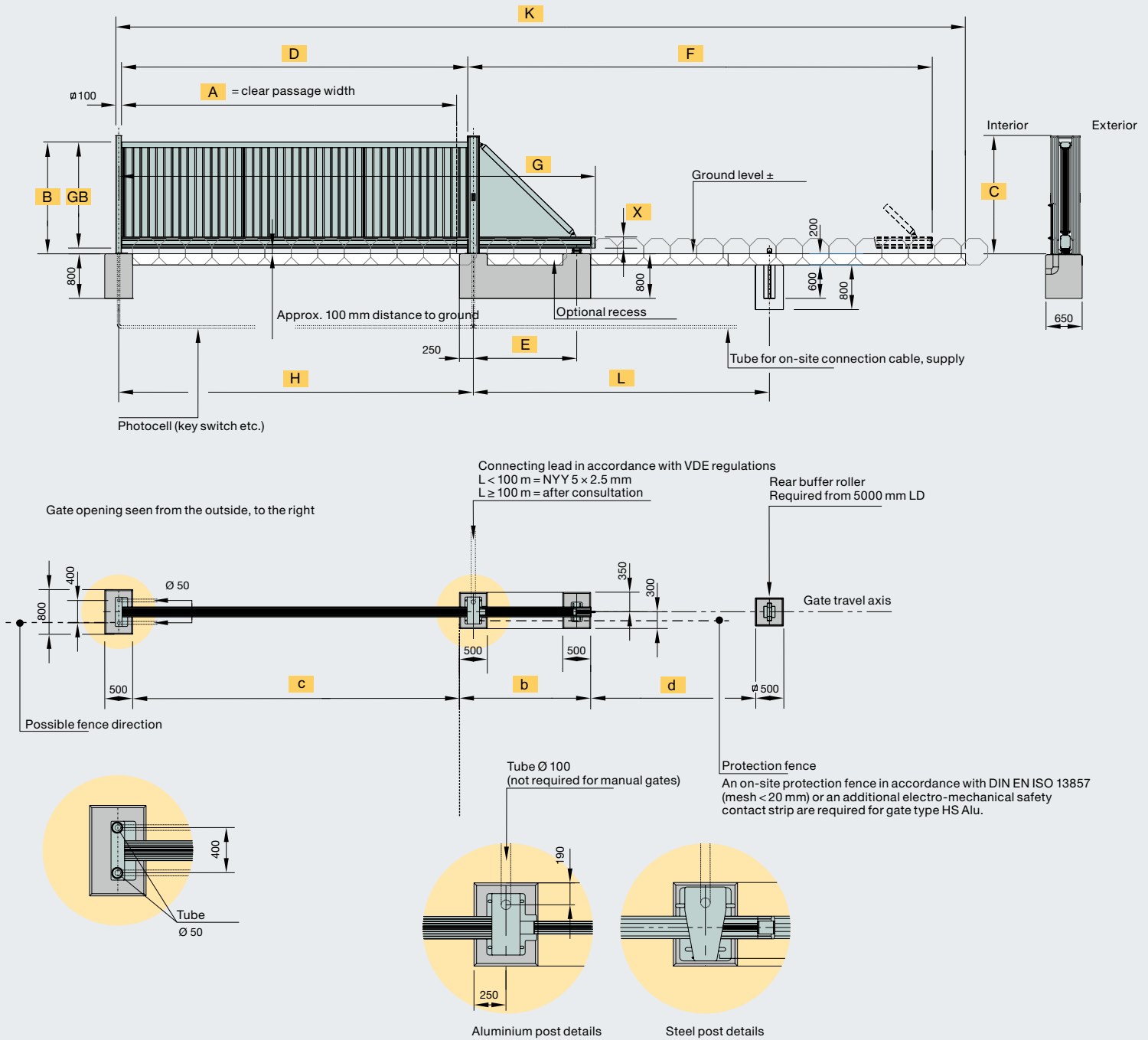
Take into account the directives for laying electric cables. Foundation size for floor class 3. With a class below 3, the foundations must be increased accordingly.

* 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 | Total required length | Bottom beam height | Front post foundation to the main foundation | Length of main foundation | Main foundation to the buffer roller foundation | Concrete vol. (m ³) | | | | | | |
| A | Fg | B | GB | C | D | E | F | G | H | L | K | X | c | b | d | B25 | | | | | | |
| HS Alu 200 | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 300 | Preferred dimensions (mm): 1000 / 1200 / 1400 / 1600 / 1800 / 2000 / 2200 / 2400 from top edge of foundation (+ / - 0) | B - 100 mm 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 | | | | | | |
| 3,5 | 315 | | | | 3700 | 1350 | 5310 | 5400 | 3850 | - | 9710 | | 3350 | 1850 | - | 1,5 | | | | | | |
| 4 | 335 | | | | 4200 | 1450 | 5910 | 6000 | 4350 | - | 10810 | | 3850 | 1950 | - | 1,5 | | | | | | |
| 4,5 | 355 | | | | 4700 | 1550 | 6510 | 6600 | 4850 | - | 11910 | | 4350 | 2050 | - | 1,6 | | | | | | |
| 5 | 375 | | | | 5200 | 1850 | 7310 | 7400 | 5350 | 4600 | 13210 | | 4850 | 2350 | 2250 | 1,7 | | | | | | |
| 5,5 | 390 | | | | 5700 | 1850 | 7810 | 7900 | 5850 | 4800 | 14210 | | 5350 | 2350 | 2450 | 1,7 | | | | | | |
| 6 | 405 | | | | 6200 | 1850 | 8310 | 8400 | 6350 | 5300 | 15210 | | 5850 | 2350 | 2950 | 1,7 | | | | | | |
| 6,5 | 440 | | | | 6700 | 2250 | 9210 | 9300 | 6850 | 5900 | 16610 | | 6350 | 2750 | 3150 | 2,0 | | | | | | |
| 7 | 455 | | | | 7200 | 2250 | 9710 | 9800 | 7350 | 6200 | 17610 | | 6850 | 2750 | 3450 | 2,0 | | | | | | |
| HS Alu 200 / 240 | | | | | | | | | | | | | | | | | | | | | | |
| 7,5 | 500 | | | | Preferred dimensions (mm): 1000 / 1200 / 1400 / 1600 / 1800 / 2000 / 2200 / 2400 from top edge of foundation (+ / - 0) | B - 100 mm From top edge of foundation (+ / - 0) | Alu double post: B + 110 Steel post: B + 115 | 7700 | 2450 | 10410 | 10500 | | 7850 | 6600 | 18810 | 200 240* | 7600 | 2950 | 3650 | 2,3 | | |
| 8 | 530 | | | | | | | 8200 | 2650 | 11110 | 11200 | | 8350 | 7100 | 20010 | | 8100 | 3150 | 3950 | 2,4 | | |
| 8,5 | 590 | | | | | | | 8700 | 3050 | 12010 | 12100 | | 8850 | 7600 | 21410 | | 8600 | 3550 | 4050 | 2,6 | | |
| 9 | 620 | 9200 | 3050 | 12510 | | | | 12600 | 9350 | 8300 | 22410 | 9100 | 3550 | 4750 | 2,6 | | | | | | | |
| HS Alu 240 / 340 | | | | | | | | | | | | | | | | | | | | | | |
| 9,5 | 650 | Preferred dimensions (mm): 1000 / 1200 / 1400 / 1600 / 1800 / 2000 / 2200 / 2400 from top edge of foundation (+ / - 0) | B - 100 mm From top edge of foundation (+ / - 0) | Alu double post: B + 110 Steel post: B + 115 | | | | 9700 | 3450 | 13410 | 13500 | 9850 | 8800 | 23810 | 240 340* | 9600 | 3950 | 4850 | 2,8 | | | |
| 10 | 670 | | | | | | | 10200 | 3450 | 13910 | 14000 | 10350 | 9300 | 24810 | | 10100 | 3950 | 5350 | 2,8 | | | |
| 10,5 | 685 | | | | | | | 10700 | 3850 | 14810 | 14900 | 10850 | 10300 | 26210 | | 10600 | 4350 | 5950 | 3,5 | | | |
| 11 | 750 | | | | | | | 11200 | 3850 | 15310 | 15400 | 11350 | 10800 | 27210 | | 11100 | 4350 | 6450 | 3,5 | | | |
| HS Alu 340 / 440 | | | | | | | | | | | | | | | | | | | | | | |
| 11,5 | 850 | | | | | | | Preferred dimensions (mm): 1000 / 1200 / 1400 / 1600 / 1800 / 2000 / 2200 / 2400 from top edge of foundation (+ / - 0) | B - 100 mm From top edge of foundation (+ / - 0) | Alu double post: B + 110 Steel post: B + 115 | 11700 | 4250 | 16410 | 16500 | 11850 | 11300 | 28810 | 340 440* | 11600 | 4900 | 6400 | 3,9 |
| 12 | 955 | | | | | | | | | | 12200 | 4250 | 16910 | 17000 | 12350 | 11700 | 29810 | | 12100 | 4900 | 6800 | 3,9 |
| 12,5 | 1050 | | | | | | | | | | 12700 | 4450 | 17610 | 17700 | 12850 | 12150 | 31010 | 440 | 12600 | 5100 | 7050 | 4,0 |
| 13 | 1120 | | | | 13200 | 4450 | 18110 | | | | 18200 | 13350 | 12650 | 32010 | 13100 | 5100 | 7550 | | 4,0 | | | |

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.

* From total gate height 2200 mm

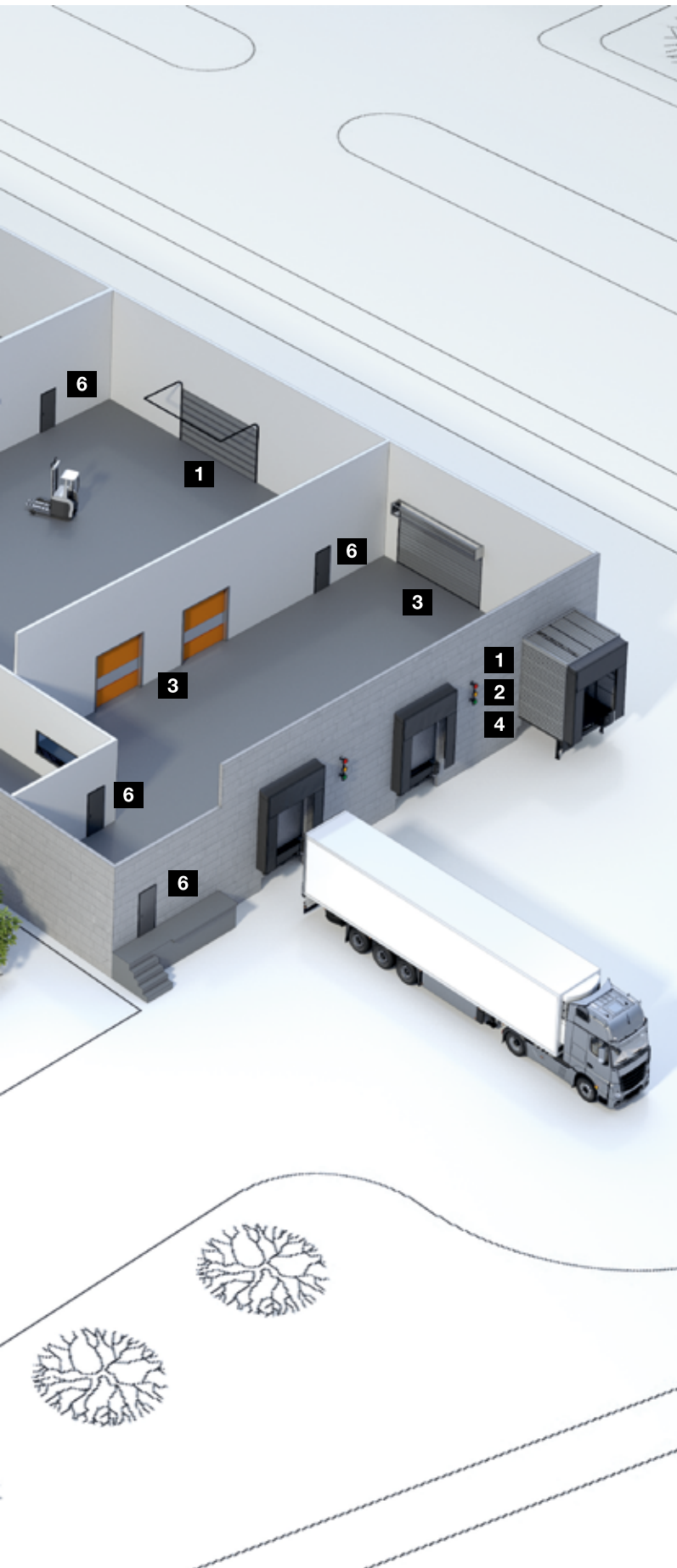
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