

Speedgates



Speedgate B-park

Space-saving, cost-effective and proven effective

The Speedgate B-park combines the functionality of a barrier and speed gate into one compact solution. Efficient installation with only one set of cabling and a single foundation required. The integrated design reduces space requirements, and costs are minimized through shorter, simpler maintenance sessions.

The Speedgate B-park is developed based on a proven concept, making it exceptionally strong and reliable. This system offers the perfect balance of durability, functionality, and design.

Whichever Speedgate you choose, Bavak guarantees quality. For over 30 years, Bavak has supplied and installed Speedgates worldwide in various models. This experience brings vast expertise in complete project management. Bavak can even handle all civil works, providing you with a single, reliable, and professional point of contact for the purchase, installation, and service of your Speedgate.

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Speedgate & Arm Barrier

The Bavak B-Park integrates foundation, cabling, traffic lights, and security, enabling quick installation, efficient space usage, and easy maintenance. This integrated approach reduces costs, optimizes space, and enhances security. During the day, the parking facility is easily accessible, while at night it can be fully secured for maximum safety.



Reliable

When the barrier is out of operation, the Speedgate can easily be activated (and vice versa). This significantly increases operational reliability. Additionally, for both service and maintenance, you only need Bavak, making the process more efficient and ensuring operational continuity.



Height Limiter Notification

The traditional red and white bar is a thing of the past thanks to our smart camera, which measures vehicle height. If a vehicle is too tall, the barrier or Speedgate remains closed, and the driver is clearly informed via an LED screen. The LED screen also allows for displaying other important messages. The result is an enhanced entrance without the risk of damage to the upper section of the Speedgate.



Patent Pending

The patent application for this unique concept guarantees us exclusive rights for the next 20 years. This protection secures both the implementation and full integration. As with all our products and projects, our customers can rely on the highest quality and the expertise that defines Bavak.

Technical Specifications Speedgate B-park

Dimensions

- Maximum effective drive-through width: 3,000 mm
- Maximum effective drive-through height: 3,000 mm

Construction

- Panel frame: 60 x 60 mm
- Panel infill: 25 x 25 mm tube (45°), spaced ± 150 mm
- Columns: 350 x 350 mm / 300 x 100 mm
- Drive box in 4 mm sheet steel, height: 180 mm
- Round tube $\varnothing 82.5 \times 3.2$ mm for 90° wing rotation

Surface Treatment

- Sandblasted SA 2.5
- Zinc-sprayed min 50 μm
- Two-layer powder coating (duplex epoxy/polyester), each layer 60-80 μm

Arm Barrier:

- Integrated into the Speedgate column
- Round aluminum boom arm ($\varnothing 80$ mm) with red reflective strips

Drive:

- Electromechanical with motor reducer, power: 0.75 kW
- Encoder for precise wing positioning and safe movement

Control System:

- 2x integrated Feig controllers, independently operable
- Accessible via an inspection hatch
- Integrated safety components and loop amplifier(s)
- Control systems and terminals enclosed in waterproof control boxes, IP66

Safety Requirements:

- 2 sets of photocells mounted in the column
- 4 safety edges, mounted vertically and horizontally on panels
- Closing/safety loops
- Safety provisions compliant with EN13241-1

Options:

- Function switch between barrier and wing via a digital year clock
- Height detection via camera with "vehicle too high" message on LED display
- Additional photocells between fixed and movable parts for gaps < 500 mm
- Traffic light integrated into the Speedgate column
- Barrier arm with knuckle-arm mechanism



See for more information www.bavak.com

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Speedgates



Speedgate B-access

Fast, cost-effective, sustainable

The Bavak Speedgate B-access is a top guided Speedgate and is fast, robust and reliable.

The Speedgate B-access is known for its long lifespan, is durable and suitable for an unlimited number of movements per day. The Speedgate B-access is the most cost-efficient Speedgate in the Bavak range. The Speedgate B-access is very suitable for any parking location, from a garage at an apartment complex to a large car park at a shopping mall.

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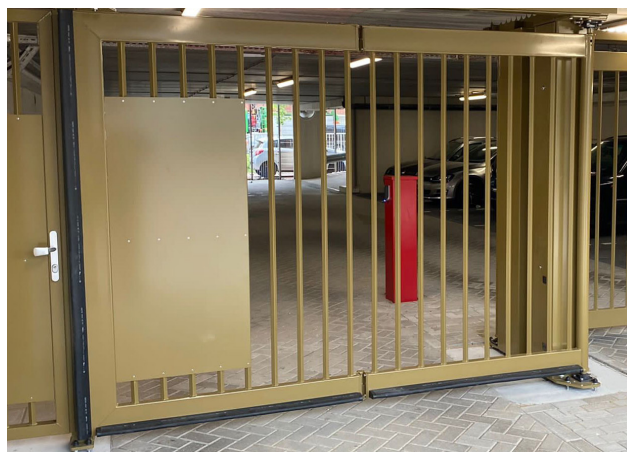
Base Plate Construction

The base plate of the Speedgate B-access does not protrude relative to the column. This makes it possible to mount the column tightly along a wall. In addition to the fact that this looks good, it is also possible to make optimal use of the drive-through width.



Single Speedgate Wing

Certain parking garages have a limited passage width. For these garages, it is possible to install a Speedgate B-access with a single wing. This makes it easy to create a separate entrance and exit even in a limited space.



Outdoor Setup

When a Speedgate B-access is installed outdoors, the Speedgate is equipped with an additional hood on top. This hood serves to reinforce the construction so that the Speedgate can be mounted as a free-standing unit.

Design

The panels of the Speedgate can be equipped with various infills such as glass, perforated cladding, wood, expanded metal, slats or strip steel. Bavak has many years of experience in the design, construction and maintenance of complete custom-made Speedgates. Along with you we think of the best and most suitable solution. If you have any special wishes regarding the infill, please do not hesitate and contact us.

Technical Specification Speedgate B-access

Dimensions

Clear opening between columns:

- Width: 2.000 - 6.000 mm
- Height: 2.000 - 3.000 mm
- Mounting depth: No mounting depth, mounted on anchors
- Maximum dimensions to be calculated upon request

Construction

- Panels made of 50 x 50 mm or 140 x 50 mm
- Panels made of 322 x 240 mm

Surface treatment

- Shot blasted SA 2,5
- Conservation, 1 layer Zinc metallized 70µm
- 2-layers powder coating, each layer 120µm (total) in a standard RAL-colour

Drive

- Electromechanical drive via 0,18 kW or 0,37 kW motor
- Standard via digital encoder
- Optional with inductive end switches

Control unit

- Feig controller integrated in the column, accessible via service hatch
- Integrated safety loop amplifier
- Control and wiring terminal strip is finished in a waterproof junction box, IP66
- External cabinet on request

Locking of gate panels

- Mechanical via motor brake

Safety measurements

- 2 sets photocells mounted in the column
- 8 pieces of safety edges, vertical and horizontal mounted on the panels
- Safety regulations conform EN13241-1
- Detection loops (provided by third party)

Options

- Extra photocells between the static and movable parts at distances < 500 mm (< 16")
- Traffic lights integrated in the columns



For more information, please visit www.bavak.com

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Speedgates



Speedgate B-protect

High-quality, flexible and certified

The Bavak Speedgate B-protect is specially developed for situations where a high level of security is required. The Speedgate is used at high security locations such as prisons, police stations, courts, government buildings and airports.

The choice for a Bavak Speedgate B-secure is the result of several factors. The construction of the gate, the reliability, the use of high-quality materials and the possibility to provide the Speedgate with burglary- and bullet resistant classifications.

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Burglary resistance

The Speedgate B-protect Is provided with burglary resistant measures. The gates are fully SKG-IKOB certified according to the classifications NEN 5096:2012+A1:2015 and EN 1627:2011. The Speedgate have been subjected to a static and manual test, Class 2 to 4 (RC2 to RC4) including Dutch Police Certification Label PKVW®.

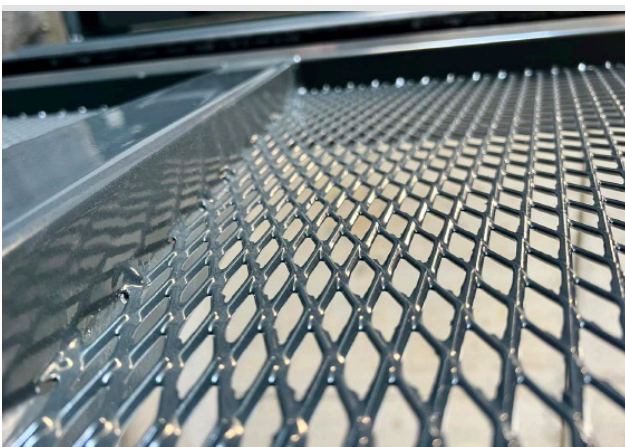


Bullet resistance

The wings of the Speedgate B-protect can be supplied with bullet resistant cladding up to FB6. The columns and the top header can be covered with bullet resistant materials. The hinges of the Speedgate B-protect comes standard with 'anti-climb-tubes'. This makes it almost impossible to use the hinges to climb into the gate and no weapons can be inserted between the hinges. These hinges make the Speedgate practically impossible to see through.

Construction

Due to the special guiding wheel construction in the top header, it is possible to manufacture the Speedgate in enormous, large measurements. The Speedgates will not wear out faster as the size does not affect the lifespan in any way.



Design

The panels of the Speedgate can be equipped with various infills such as glass, perforated cladding, wood, expanded metal, slats or strip steel. Bavak has many years of experience in the design, construction and maintenance of complete custom-made Speedgates. Along with you we think of the best and most suitable solution. If you have any special wishes regarding the infill, please do not hesitate and contact us.

Technical Specification Speedgate B-protect

Dimensions

Clear opening between columns:

- Width: 2.000 - 6.000 mm
- Height: 2.000 - 4.500 mm
- Maximum dimensions to be calculated upon request

Construction

- Panels made of 60 x 60 mm or 80 x 80 mm
- Panels made of 250 x 250 mm or 220 x 220 x 6 mm (depending in dimensions)
- Self-supporting top drive unit, external height 250 mm

Surface treatment

- Shot blasted SA 2,5
- Metal spray min 50µm
- 2-layers powder coating (duplex → epoxy/polyester), each layer 120µm (total)

Optional:

- Columns and panels: Hot-dip galvanized and 2-layer powder coating, each layer 60-80µm
- Hinges and anti-climb tubes: Hot-dip galvanized and 2-layer powder coating, each layer 60-80µm

Drive

- Electromechanical drive via 0,75 kW or 1,1 kW motor (depending on the size of the Speedgate)
- Standard via digital encoder
- Optional with inductive end switches



Control unit

- Feig controller integrated in the column, accessible via service hatch
- Integrated safety loop amplifier
- Control and wiring terminal strip is finished in a waterproof junction box, IP66
- External cabinet on request

Locking of gate panels

- Mechanical via link arm and gear wheels

Safety measurements

- 2 sets photocells mounted in the column
- 8 pieces of safety edges, vertical and horizontal mounted on the panels
- Safety regulations conform EN13241-1
- Detection loops

Options

- Extra photocells between the static and movable parts at distances < 500 mm (< 16")
- Traffic lights integrated in the columns



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Speedgates

A photograph of a large, black metal speedgate in an industrial or port setting. The gate is closed, and a worker in a yellow hard hat is visible in the background. The sky is blue with some clouds. A white line graphic is overlaid on the left side of the image.

Speedgate B-secure

Innovative, durable and reliable

The Speedgate B-secure is a bottom driven Speedgate and has been specially developed for situations involving very heavy transport and intensive use. The Speedgate is ideal for use at industrial areas, logistic centres and harbours.

Due to the bottom drive construction of the Speedgate B-secure, there are no height restrictions for carriers. During the development, special attention was paid to the modular drive and the construction of the bottom drive unit. By using cold-rolled structural steel, the driving unit is almost self-supporting and therefore suitable for the heaviest freight carriers. Due to this construction, maintenance can be carried out quickly and efficiently.

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Locking Drive Unit

Due to the bottom drive unit of the Speedgate B-secure the wings are mechanically locked once the Speedgate is closed. This locking ensures a high level of intrusion prevention.



Special Wings

Because of the bottom drive unit there are no restrictions in the design of the wings. This makes it possible to customise height and design of the wings to your own specific requirements. A Speedgate with a special design is the first eye-catcher on any terrain.

LED lights

The Speedgate B-secure can be provided with integrated LED traffic lights on top of the columns. When the gate is closed the lights turn red. When the Speedgate opens the LED lights flashes red and when the gate is fully open, the lights turn green. If the Speedgate is in 'rest', it is possible to display any colour.



Design

The panels of the Speedgate can be equipped with various infills such as glass, perforated cladding, wood, expanded metal, slats or strip steel. Bavak has many years of experience in the design, construction and maintenance of complete custom-made Speedgates. If you have any special wishes regarding the infill, please do not hesitate to contact us. Together with you we can create the best and most suitable solution.

Technical Specification Speedgate B-secure

Dimensions

Clear opening between columns:

- Width: 2.500 - 6.000 mm*
- Height: 2.000 - 4.500 mm*
- Mounting depth: 250 mm
- * Dimensions to be calculated upon request

Construction

- Panels made of SHS 60 x 60 mm or 80 x 80 mm
- Columns made of SHS 250 x 250 x 6 mm
- Self-supporting drive unit bottom housing, external height of 250 mm
- Constructed with UNP-profiles

Surface treatment

- Sand blasted SA 2,5
- Conservation: Hot-dip galvanized 30µm
- Powder coating: 2-layers of powder coating, each layer 120µm (total) in a standard RAL-colour
- Drive unit: DTM coating

Drive

- Electromechanical via a 0,75 kW motor and gearbox
- Emergency operation for manually opening and closing via service hatch

Control unit

- Feig controller integrated in the column, accessible via service hatch
- Integrated safety loop amplifier
- Control and wiring terminal strip is finished in a waterproof junction box, IP66

Locking of gate panels

- Mechanical via link arm and gear wheels

Safety measurements

- 2 sets photocells mounted in the column
- 8 pieces of safety edges, vertical and horizontal mounted on the panels
- Safety regulations conform EN13241-1
- Detection loops
- End switches

Options

- Extra photocells between the static and movable parts at distances < 500 mm (< 16")
- Traffic lights integrated in the columns
- LED strips integrated on top of the columns of the Speedgate



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Speedgates



Speedgate B-trackless

Versatile, well-conceived, efficient

The Bavak Speedgate B-trackless is developed for access control in those situations where it is not possible to use bottom or top guidance. The Speedgate B-trackless has an unlimited clearance height and is very suitable for locations with heavy freight traffic such as distribution centres.

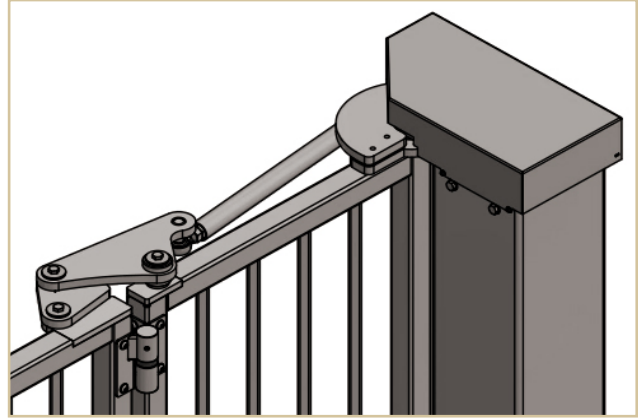
The construction of the B-trackless is strong, aesthetically well designed and thoroughly developed.

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Drive mechanism

The drive mechanism is equipped with a unique tie rod. The construction is very robust, allowing the Speedgate to open and close smoothly. Despite this robust construction, the Speedgate remains clean and sleek in design.

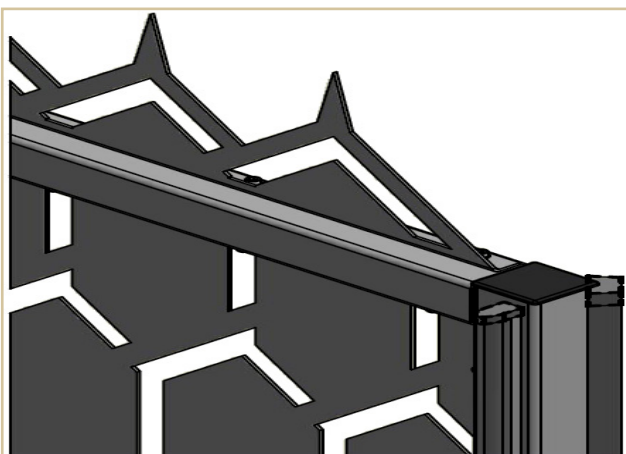


Prefab foundation

The foundation of the Speedgate B-trackless can be delivered prefab and is therefore immediately ready for use. This significantly reduces the installation time, which ensures that the site can be closed off quickly

LED lights

The Speedgate B-trackless can be provided with integrated LED traffic lights. When the gate is closed the lights turn red. When the Speedgate opens the LED lights flashes red and when the gate is fully open, the lights turn green. If the Speedgate is in 'rest', it is possible to display any colour.



Design

The panels of the Speedgate can be equipped with various infills such as glass, perforated cladding, wood, expanded metal, slats or strip steel. Bavak has many years of experience in the design, construction and maintenance of complete custom-made Speedgates. If you have any special wishes regarding the infill, please do not hesitate to contact us. Together with you we can create the best and most suitable solution

Technical Specification Speedgate B-trackless

Dimensions

Clear opening between columns:

- Width: 3.000 - 8.000 mm
- Height: 2.000 - 2.500 mm

Construction

- Panels made of SHS 60 x 60 x 3 mm
- Columns made of SHS 250 x 250 x 6 mm
- Panel infill of SHS 25 x 25 x 2 mm
- Panel guidance trackless, tube 48,3 x 5 mm

Surface treatment

- Conservation: Hot-dip galvanized (except for certain parts), layer thickness according to EN ISO 1461
- 2-layer powder coating in any RAL colour, each layer 60-80µm
- Hinges: Bolttable

Drive

- Electromechanical via one motor per column of 0,37 kW
- Power supply 230 VAC
- Speed of a Speedgate with 2 wings up to 1 m/sec (adjustable)
- Speed of a Speedgate with 1 wing up to 0,5 m/sec (adjustable)

Control unit

- Feig controller integrated in the column, accessible via service hatch
- Integrated safety loop amplifier
- Control and wiring terminal strip is finished in a waterproof junction box, IP66

Safety measurements

- 2 sets photocells mounted in the column
- 8 pieces of safety edges, vertical and horizontal mounted on the panels at a Speedgate with 2 wings
- 4 pieces of safety edges, vertical and horizontal mounted on the panels at a Speedgate with 1 wing
- Safety regulations conform EN13241-1
- Detection loops

Options

- Extra photocells between the static and movable parts at distances < 500 mm (< 16")
- Traffic lights integrated in the columns
- LED strips integrated in the wings of the Speedgate



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