

# Speedgates



## Bi-folding Speedgate B-Protect USA

### High-quality, flexible and certified

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

The choice for a Bavak bi-folding Speedgate B-Protect 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.

Whichever Speedgate you choose, at Bavak you are assured of quality. For more than 30 years, Bavak has been delivering and installing worldwide Speedgates in many different variations. This experience provides us with an enormous expertise in the field of total project guidance. Bavak can even take care of the entire civil works. This gives you only one reliable and professional point of contact for the purchase and installation of your Speedgate.

Bavak. Securing daily life

## Burglary resistance

The bi-folding 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®.

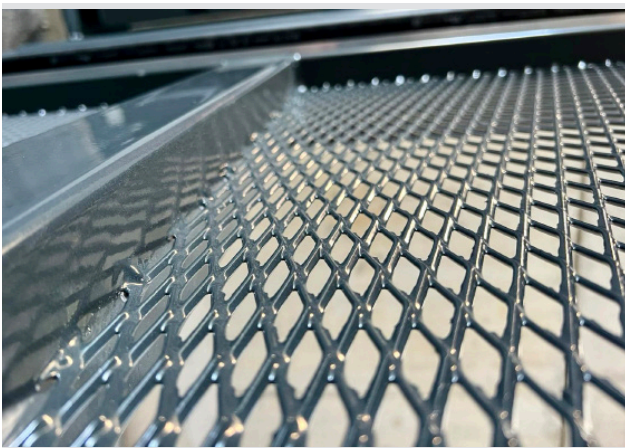


## Bullet resistance

The wings of the bi-folding gate 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 come 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 bi-folding gate 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. Our expertise and your wishes will create the best and most suitable solution. If you have any special request regarding the infill, please do not hesitate and contact us.

# Technical Specification bi-folding Speedgate B-Protect

## Dimensions

Clear opening between columns:

- Width: 6.5' – 20' (2,000 – 6,000 mm)
- Height: 6.5' – 15' (2,000 – 4,500 mm)
- Maximum dimensions to be calculated upon request

## Construction

- Panels made of 2.36" x 2.36" or 3.15" x 3.15" (60 x 60 mm or 80 x 80 mm)
- Columns made of SHS 9.80" x 9.80" or 8.66" x 8.66" x 0.24" (250 x 250 mm or 220 x 220 x 6 mm)
- Self-supporting top drive unit, external height 9.80" mm (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 1 hp or 1.5 hp motor (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 measures

- 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 to be provided by third party

## Options

- Extra photocells between the static and movable parts at distances < 19.69" (< 500 mm)
- Traffic lights integrated in the columns
- Additional options available upon request



For more information, please visit [www.bavak.com](http://www.bavak.com)

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