

# AGD 200 Automated Cantilever Gates Specification Sheet

## Key Features

- ✓ **Safety**  
(Compliant with BS EN 12453 standards for automated gate safety)
- ✓ **Cantilever Design**  
(The leaf is seated on a track beam and does not contact the floor)
- ✓ **Corrosion Resistant**  
(The gates are secured against corrosion by galvanising & PPC)
- ✓ **System-Based Solution**  
(AGD 200 gates form a system of elements for access control)

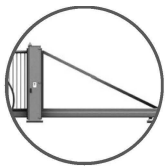
## Suitable For

- ✓ **Industrial Buildings**
- ✓ **Airports and Ports**
- ✓ **Schools and Nurseries**
- ✓ **Guarded Car Parks**
- ✓ **Residential**



### Safety

Automated AGD 200 gates comply with BS EN 12453 standards for gate safety.



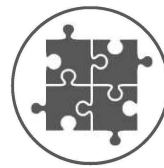
### Cantilever Design

The AGD 200 gate features a cantilever design. The leaf is seated on a 200 x 155mm track beam and moves on carriages mounted to a concrete foundation. The gate does not contact the floor.



### Corrosion Resistant

AGD 200 gates are hot-dip galvanised or hot-dip galvanised and coated with polyester paint, securing them against corrosion.



### System-Based Solution

These gates form a system of elements for access control. When used together with industrial segments, mesh panels, posts and double-leaf gates, they form a complete system.

## Specification

|                  |                                     |
|------------------|-------------------------------------|
| <b>Material</b>  | Galvanised Steel                    |
| <b>Infill</b>    | Vertical Bar or 868 Twin Mesh       |
| <b>Finish</b>    | Polyester Powder Coated             |
| <b>Colour</b>    | A range of RAL colours is available |
| <b>Post Type</b> | Bolt Down                           |
| <b>Lead Time</b> | Five Weeks                          |

## What's Included - Hardware, Accessories & Fixings

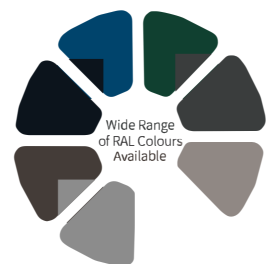
Gear Rack (Fitted)  
Cantilever Carriages  
Ground Anchor Bolts  
Bolt-Down end catcher post  
Full Height Motor Cabinet & Rear Support Post  
Top Support Roller System

## What's Included - Automation, Accessories & Safety

Heavy Duty Sliding Gate Motor with Built-In Control Panel  
Flashing Light  
Dual Height Photocells  
Key-Operated Switch with emergency stop button  
6 x Cat 3 safety edges  
2 x Remote Control Transmitters/Fobs  
Gate Mounted Safety Edge Transmission system  
External RF aerial

| Gate Height | Gate Width |      |      |      |       |       |       |  |
|-------------|------------|------|------|------|-------|-------|-------|--|
|             | 8.0m       | 8.5m | 9.0m | 9.5m | 10.0m | 11.0m | 12.0m |  |
| 2.4m        | ✓          | ✓    | ✓    | ✓    | ✓     |       |       |  |
| 2.15m       | ✓          | ✓    | ✓    | ✓    | ✓     | ✓     | ✓     |  |
| 1.95m       | ✓          | ✓    | ✓    | ✓    | ✓     | ✓     | ✓     |  |
| 1.65m       | ✓          | ✓    | ✓    | ✓    | ✓     | ✓     | ✓     |  |
| 1.45m       | ✓          | ✓    | ✓    | ✓    | ✓     | ✓     | ✓     |  |
| 1.2m        | ✓          | ✓    | ✓    | ✓    | ✓     |       |       |  |

Available in standard colours: 6005, 5010, 7016, 7030, 7040, 9016, 8017 and 9005. Custom colours are available on request, as is a galvanised-only option.



# TAILORED TO INDIVIDUAL NEEDS

## A BROAD RANGE OF DIMENSIONS:

- width range 8,000-12,000mm.
- height range 1,200-2,400mm.



| Leaf height<br>(H) in [mm]<br>up to | Width between posts (So) in [mm] up to |      |      |      |       |       |       |
|-------------------------------------|--|------|------|------|-------|-------|-------|
|                                     | 8000                                   | 8500 | 9000 | 9500 | 10000 | 11000 | 12000 |
| 1200                                | +                                      | +    | +    | +    | +     |       |       |
| 1450                                | +                                      | +    | +    | +    | +     | +     | +     |
| 1650                                | +                                      | +    | +    | +    | +     | +     | +     |
| 1950                                | +                                      | +    | +    | +    | +     | +     | +     |
| 2150                                | +                                      | +    | +    | +    | +     | +     | +     |
| 2400                                | +                                      | +    | +    | +    | +     |       |       |

## INTENDED USE

AGD 200 gates are perfect for all types of private and industrial business activity. These gates are installed around industrial buildings, airports, ports, guarded car parks, around schools, kindergartens, shopping malls, etc. Sliding gates are also used on wide plots where the gate can slide along the fencing. The gates are also frequently used when the forecourt is short or if a hill prevents the use of double-leaf gates.

### Characteristics

- 200 x 155mm track beam,
- triple guiding frame for manually-operated gates,
- double lock post with a catcher,
- back frame for balancing the leaf when open,
- power-operated gate with a drive integrated with the post,
- also available with an external drive.

## RELIABLE CANTILEVER DESIGN

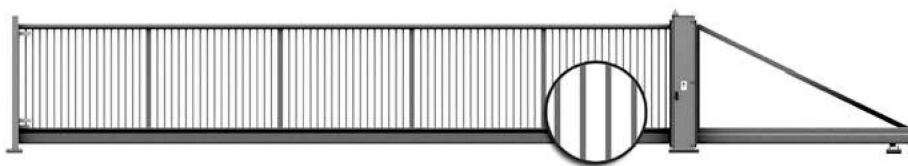
### TRACK BEAM

The AGD 200 gate features a cantilever design. The leaf is seated on a 200x155mm track beam and moves on carriages mounted to foundation anchors. The AGD 200 cantilever sliding gate is designed for closing entrances with a clear opening width up to 12m, and if two gates installed opposite to one another are used (2 x 12m), an opening width up to 24m is possible,

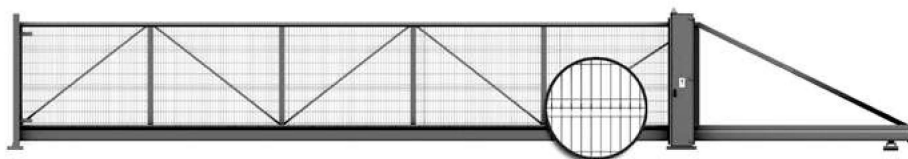
We also offer AGD200 cantilever gates with the width of 16m, available on request.



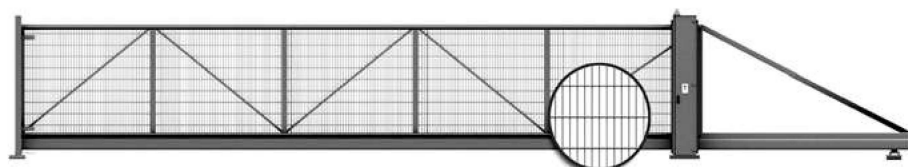
## EXAMPLE INFILLS AVAILABLE FOR CANTILEVER SLIDING GATES



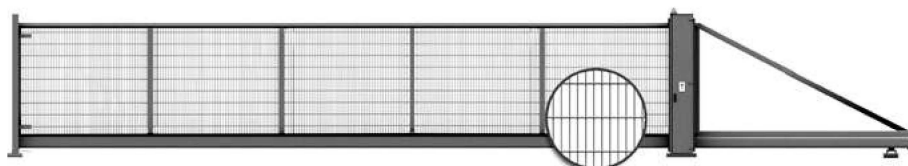
Sliding gate with an infill made of 25 x 25 [mm] box sections welded to the structure – view from the premises.



Sliding gate with an infill made of VEGA B mesh panels screwed to the structure – view from the premises.



Sliding gate with an infill made of VEGA 2D Super mesh panels screwed to the structure – view from the premises.



Sliding gate with an infill made of VEGA 2D Super mesh panels welded to the structure – view from the premises.

## NEW

### NEW SYSTEM INFILLS



Round tube section infill  $\varnothing$  25 [mm] welded to the structure.

Also available as an extended infill.



Closed box section infill 25x25 [mm], CARO arrangement, welded to the structure.

Also available as an extended infill.



Closed box section infill 30x18 [mm], welded to the structure.

Also available as an extended infill.

## MODULAR DESIGN

The sliding gates are made of modules connected together with screws using fasteners designed and patented by WIŚNIEWSKI. In gates over 5,900mm wide, the leaf is made of modules. 100x50mm sections are used for connecting the leaf modules, 120x50mm sections are used with widths above 10,000 [mm]. The assembly is screwed down to the track beam

## COLOURS

### COLOUR RANGE

Standard gates are available in the raw hot-dip galvanized version or hot-dip galvanized plus polyester coating version.

Industrial gates are also available in other RAL colours.

|          |          |          |
|----------|----------|----------|
| RAL 5010 | RAL 6005 | RAL 7016 |
| RAL 7030 | RAL 9016 | RAL 7040 |



RAL palette colours

## SLIDING GATE TYPES

### MANUALLY-OPERATED GATE

### GATE WITH A DRIVE IN THE LOW BOX

### GATE WITH A DRIVE IN THE HIGH BOX



## ACCESSORIES

### COMFORT AND SAFETY

The AGD 200 gates are available in the manually-operated and power-operated versions. The manually-operated version is fitted with a Locinox lock. The automatic gate is not fitted with a lock, as the operating unit doubles up as a lock. The automatic gate is especially recommended for premises where the gate has to be frequently opened and closed. In this case, the automatic drive unit is a very convenient solution. Depending on the required level of safety, the automatic gate is available in the Totmann (operated with a key switch) or the Automatik (operated with a remote control transmitter) version. Depending on the requirements, the automatic version is fitted with 3 safety edges (Automatik 1) or 5 safety edges (Automatik 2). The CE mark confirms safe operation of the AGD 200 gates in all conditions.

|   | THE TOTMANN VERSION   | THE AUTOMATIK VERSION |
|---|---|-----------------------|
| STANDARD ACCESSORIES  |   |                       |
| ACTUATOR  | ☑   | ☑                     |
| CENTRAL CONTROL UNIT  | ☑   | ☑                     |
| RADIO RECEIVER  | —   | ☑                     |
| TRANSMITTERS FOR CONTROLLING THE DRIVE REMOTELY – 2 PCS.  | —   | ☑                     |
| WARNING LAMP  | ☑   | ☑                     |
| EXTERNAL ANTENNA  | —   | ☑                     |
| PHOTOCELLS – 1 SET  | —   | ☑                     |
| KEY SWITCH WITH AN EMERGENCY STOP SWITCH  | ☑   | ☑                     |
| SAFETY EDGES (AUTOMATIK 1 – 3 SAFETY EDGES; AUTOMATIK 2 – 5 SAFETY EDGES)                         | —   | ☑                     |
| SIGNAL TRANSMISSION SYSTEM FOR TRANSMITTING THE SIGNAL FROM THE SAFETY EDGE INSTALLED ON THE LEAF | —   | ☑                     |
| DIRECTIVES AND STANDARDS  | THE AGD 200 GATES CARRY THE CE MARKING IN ACCORDANCE WITH THE 2006/95/EC AND 2004/108/EC DIRECTIVES ON BUILDING PRODUCTS AND COMPLY WITH THE REQUIREMENTS OF THE EN 13241-1 STANDARD. |                       |
| *) ADDITIONAL MODULES HAVE TO BE USED.  |   |                       |
| ☑ STANDARD ACCESSORIES.      • OPTIONAL ACCESSORY.      — NOT AVAILABLE.                          |   |                       |

### STRUCTURAL POST

Structural (load-bearing) post made of 120x120 mm sections. The structural post of automatic gates is fitted with a shelf for installing the drive or is connected with one of the two available drive boxes. Low and high drive boxes are available, depending on the intended use of the gate and depending on the automatic operating unit.

### DRIVE IN THE BOX

The box protects the drive and the control unit against changing weather conditions. The box lock secures the drive unit against unauthorized access. Each drive offered features an uncoupling function that can be used when power is out.

### OPTIONAL ACCESSORIES

Optional accessories can be used.

Photocells, reflective photocell, wired code keypad, two- or four-channel remote control transmitter, rotating warning light, main switch, induction loop detector, AW external radio receiver, external code keypad, proximity reader, proximity card / fob, LOCINOX key locker.



## WIDTH RANGES FOR DRIVES

AVAILABILITY IS MARKED IN GREY | Availability is marked in grey

| Gate type | Drive unit model                       | 4,000 | 5,000 | 6,000 | 7,000 | 8,000 | 9,000 | 10,000 | 11,000 | 12,000 | 13,000 | 14,000 | 15,000 | 16,000 |
|-----------|--|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| AGD 200   | BENINCA BISON35 OTI <sup>(1) (3)</sup> |       |       |       |       |       |       |        |        |        |        |        |        |        |
|           | CAME BK 2200T <sup>(1)</sup>           |       |       |       |       |       |       |        |        |        |        |        |        |        |
|           | FAAC 850 + EP 104-1                    |       |       |       |       |       |       |        |        |        |        |        |        |        |
|           | BFT ICARO NF PROX <sup>(1)</sup>       |       |       |       |       |       |       |        |        |        |        |        |        |        |

## DRIVE UNIT SPECIFICATION

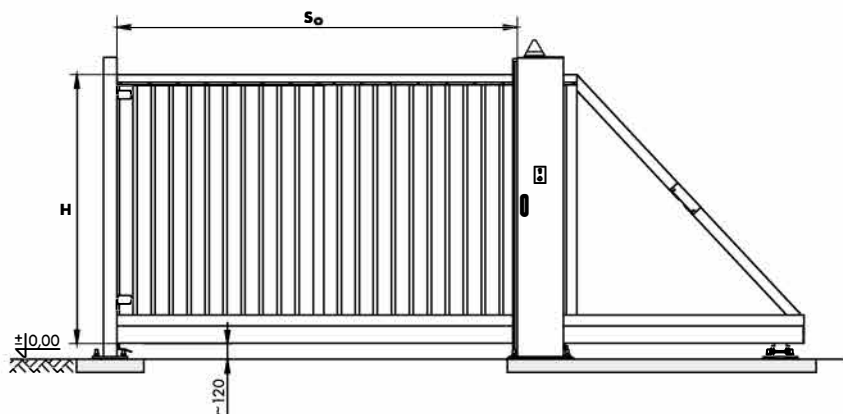
| GATE TYPE | DRIVE UNIT MODEL    | MAX. NUMBER OF AC-TUATIONS PER HOUR | MOTOR SUPPLY | MAINS       | POWER CONSUMPTION | TRAVEL SPEED      |
|-----------|---------------------|-------------------------------------|--------------|-------------|-------------------|-------------------|
| AGD 200   | BENINCA BISON35 OTI | heavy duty operation                | 3 X 400V AC  | 3 X 400V AC | 1,200 W           | reg. 7-19 m/min.  |
|           | FAAC 850 + EP 104-1 | heavy duty operation                | 3 X 400V AC  | 1 X 400V AC | 1,800 W           | reg. 20-30 m/min. |
|           | BFT ICARO NF PROX   | heavy duty operation                | 230V AC      | 230V AC     | 750 W             | 9 m/min.          |
|           | CAME BK 2200T       | 40                                  | 3 X 400V AC  | 3 X 400V AC | 600 W             | 10.5 m/min.       |

## ORDERED AND DESIGN DIMENSIONS AND INSTALLATION DIMENSIONS

### SLIDING GATE MOUNTING DIMENSIONS

The right gate, view from the premises (the ordered direction of the gate is the direction towards which the gate opens as seen from the premises).

#### Ordering dimensions



**S<sub>0</sub>** - width between posts - ordering dimension,  
**H** - gate leaf height - ordering dimension.

| Track beam dimensions [mm] | Ordering width of the gate (S <sub>0</sub> ) [mm] up to | Clear passage width S <sub>j</sub> [mm]. Manually-operated gate or Totmann | Clear passage width S <sub>j</sub> [mm]. Automatik gate version                                | Bottom clearance of the gate [mm] | Gate structure  | Double lock post | Total length of the gate [mm] |
|----------------------------|---|--|--|-----------------------------------|---|------------------|-------------------------------|
| 200x155                    | 8,000   | S <sub>j</sub> =S <sub>0</sub> -315 (+-10)mm                               | S <sub>j</sub> =S <sub>0</sub> -335 (+-10)mm<br>S <sub>j</sub> =S <sub>0</sub> -365 (+-10)mm * | 120                               | 100x100 up to the width of 10,000 and 120x120 over 10,000 | 120x120          | 11,100                        |
|                            | 8,500   |  |  |                                   |   |                  | 11,600                        |
|                            | 9,000   |  |  |                                   |   |                  | 12,300                        |
|                            | 9,500   |  |  |                                   |   |                  | 10,200                        |
|                            | 1,000   |  |  |                                   |   |                  | 13,500                        |
|                            | 11,000  |  |  |                                   |   |                  | 15,000                        |
|                            | 12,000  |  |  |                                   |   |                  | 16,500                        |

\*Applies to the FAAC 850 high-speed drive with the EP 104-1 control unit.



## GALLERY

