



TOLL BOOM BARRIERS

TOLLgate PERFORMANCE

P300 ETC / P350 ETC - max. 2 m

P900 - max. 3 m

P400 ETC / P600 ETC - max. 3 m

P1300 - max. 3.5 m

- HIGHLY RELIABLE
- ROBUST, ELEGANT DESIGN
- RANGE OF FUNCTIONS FOR FLEXIBILITY
- COST-EFFECTIVE CONCEPT
- LOW RUNNING COSTS
- OUTSTANDING COST-BENEFIT RATIO
- STATE-OF-THE-ART TECHNOLOGY
- GOOD CONNECTIVITY VIA ETHERNET TCP/IP
- HIGH SPEED OPERATION FOR SEAMLESS VEHICLE THROUGHPUT

bg-drives.com

For your access

BG DRIVES

BG DRIVES

FOR YOUR ACCESS





TOLL BOOM BARRIERS - TOLLgate PERFORMANCE

TOLLgate PERFORMANCE barriers are specially designed for highly frequented toll stations. The **TOLLgate** PERFORMANCE generation of barriers from BG Drives has been developed for today's environment. Its state-of-the-art technology and rugged design offer you a range of functions and an excellent cost-benefit ratio.

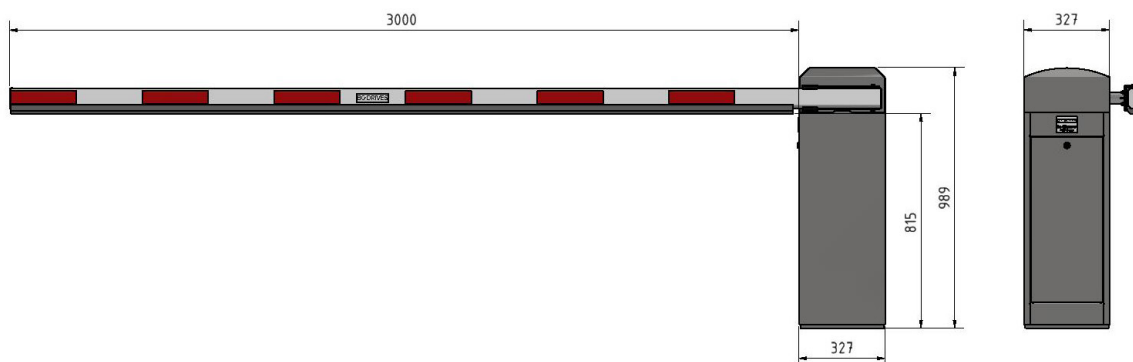
SEAMLESS TRAVELER EXPERIENCE

Very fast opening times of as little as 0.3 seconds make the **TOLLgate** PERFORMANCE the perfect solution for use in highly frequented ETC toll stations. The high speed operation guaranties a fast vehicle throughput for a seamless traveler experience.

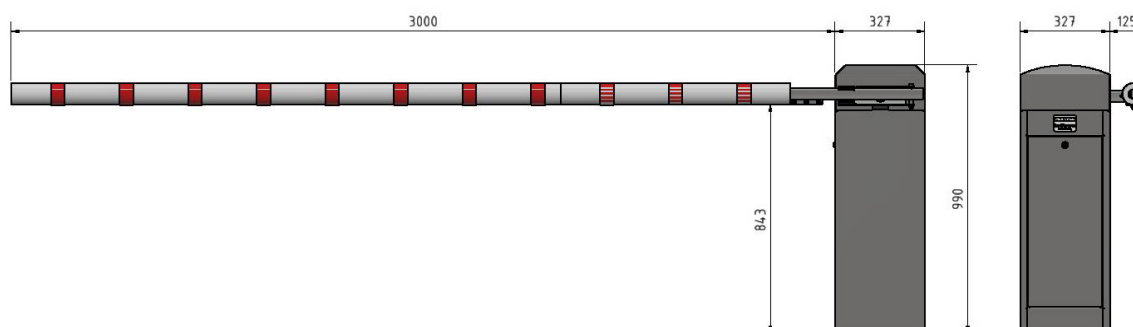
TOLLgate PERFORMANCE barriers are provided with various interfaces to work with present and future control technologies, so that the barrier can be operated remotely using protocols such as Ethernet TCP/IP.

Up-to-date controls, a robust mechanism and a low-wear, heavy-duty servo drive are all combined in a barrier of the best possible quality. Its extremely low power consumption and minimum maintenance costs complete the picture.

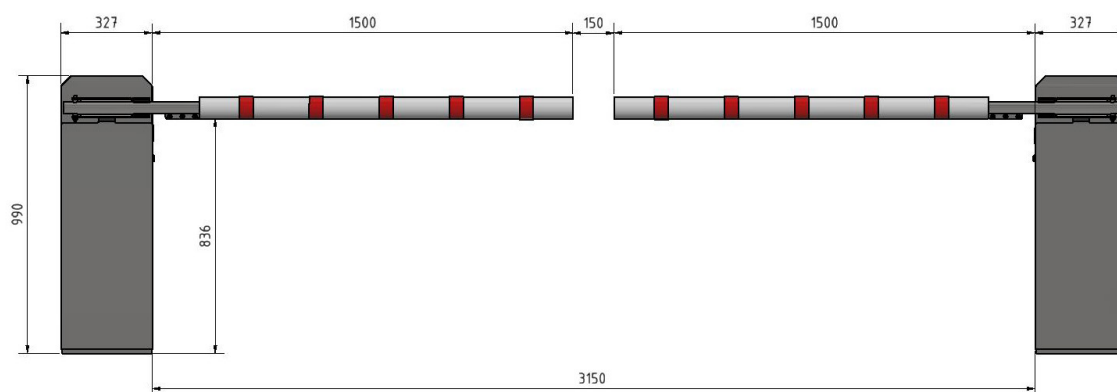
DIMENSIONS



TOLLgate P900
TOLLgate P1300



TOLLgate P400 ETC
TOLLgate P600 ETC



TOLLgate P300 ETC
TOLLgate P350 ETC

TECHNICAL DATA

TOLLgate P300 ETC and P350 ETC

barriers with an actuation time of 0.3 s (P300) and 0.35 s (P350ETC) for lane widths up to 1.5 m or 2.0 m

TOLLgate P400 ETC and P600 ETC

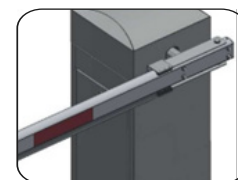
barriers with an actuation time of 0.4 s (P400) and 0.6 s (P600) for lane widths up to 3.0 m

TOLLgate P900

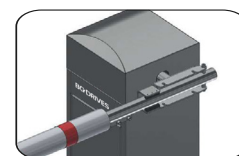
barriers with an actuation time of 0.9 s for lane widths up to 3.0 m

TOLLgate P1300

barriers with an actuation time of 1.3 s for lane widths up to 3.5 m

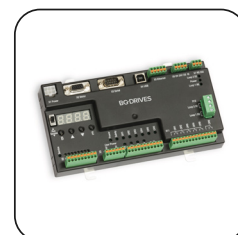


Swing-Away System for standard boom



Swing-Away System for Carbon boom with fast boom exchange

Technical data	TOLLgate P300 ETC P350 ETC	TOLLgate P400 ETC P600 ETC	TOLLgate P900	TOLLgate P1300
Lane width	up to 2.0 m	up to 3.0 m	up to 3.0 m	up to 3.5 m
Actuation time	0.3 s / 0.35 s	0.4 s / 0.6 s.	0.9 s	1.3 s
Power consumption	max. 300 W	max. 300 W	max. 90 W	max. 90 W
System voltage	protected low voltage 48 V DC		protected low voltage 24 V DC	
Power supply	100 - 240 V AC; 50-60Hz +/- 10%			
Ingress protection	IP 54			
Temperature range	-20 to +55 °C			
Power-on time	100%			
Dimensions (WxDxH)	327x327x990 mm			
Weight	approx 50 kg			
Drive unit	BG ServoDrive			
Impact protection	yes			



Gate controller



Control terminals

OPTIONAL ACCESSORIES

ACCESSORIES	TOLLgate P300 ETC	TOLLgate P900
	TOLLgate P350 ETC TOLLgate P400 ETC TOLLgate P600 ETC	TOLLgate P1300
Soft boom protection	●	●
Auto-Open functionality	●	●
Swing-Away boom system	●	●
Double loop detector on board	●	●
Light weight carbon boom	●	Optional
Different speed settings	●	●
Multifunctual barrier controller	●	●
Ethernet TCP/IP	●	●
Boom drop contact	●	●
Graphical User Interface (GUI)	●	●
1-channel loop detector, external	●	●
2-channel loop detector, external	●	●
Hot air blower set, incl. thermostat	●	●

Specifications

Standard colors:
Housing: RAL 9006
Top cover: RAL 9007

Customized colors on request

Multifunctional control unit:
GC1-500A

Configuration tool for PC

2-channel loop detector

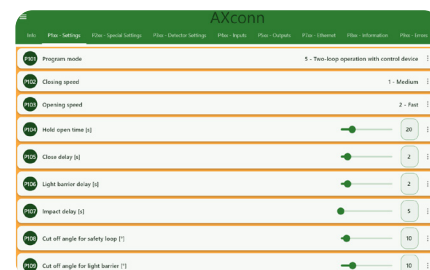
Inputs: 8 × digital

Outputs:
6 x semiconductor outputs
6 x relay outputs

The functions of the inputs and outputs can be assigned at will.

Interfaces:

- Ethernet
- RS232
- CAN





BARRIERS & PEDESTRIAN GATES

DEVELOPMENT AND MANUFACTURE: MADE IN GERMANY

BG Drives in Germany develops and manufactures high quality systems for the efficient, economical and fast control of access by persons and vehicles.

Our team has been engaged for over 25 years in the production of access control systems for pedestrians and road vehicles. The area of barrier and gate drive units and their control circuitry represents a particular core competence of our specialists.

Our products are designed and manufactured for use on demanding duties in continuous operation with heavy pedestrian and vehicle traffic. All our systems have been developed to provide a long service life with minimized power consumption.

We gladly offer our support and services worldwide in planning and implementing your access control projects.

Your needs become our challenge-why not give us a call?



RUGGED FUNCTIONAL ENDURING

BG Drives GmbH
Belchenstraße 63
79650 Schopfheim
Germany

Phone +49 7622 684548-0
Fax +49 7622 684548-9
info@bg-drives.com
www.bg-drives.com



Made in Germany ●●●

bg-drives.com

For your access

BG DRIVES