

BOUNDTECH A/F

Automatic Hydraulic and Fixed Bollard
for outdoor applications

BOUNDTECH range of fixed and automatic hydraulic bollards provide an enhanced traffic security solution for applications where both flow of vehicles and security must be combined.

BOUNDTECH's unique design features allow for simple and quick installation, minimizing site disruption whilst still allowing vehicles to flow in a one or two way direction, depending on site criteria. To enhance the Bollards reliability, all electrical controls and the hydraulic units are remotely sited above ground in vandal resistant, weather proof control cabinets.



AVAILABLE CONFIGURATIONS

- **BOUNDTECH A** – Automatic Hydraulic Bollard in 600mm or 800 mm height
- **BOUNDTECH F**- Fixed Bollard in 600mm or 800 mm height

Typical areas of application include:

Car Parks | Security Checkpoints | Industrial Sites | Government Sites | Mining | Airports | Seaports | Secure Compounds | Commercial & Residential Estates

Alltech Vehicle Barriers & Turnstiles Solutions also feature:

Boom Barriers | Bollards | Fast Folding Gates | Road and Rated Wedge Blockers | Half and Full Height Turnstiles | Tripod Turnstiles | Revolving Doors | Security Booths | Special Needs Access Gates

FIND OUT MORE ON www.alltechbygunnebo.com

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For a safer world

ELECTRICAL DATA & CONDITIONS OF USE

POWER	<ul style="list-style-type: none"> Power Supply: 220Vac 50Hz Power Consumption: 1.5Kw
LOGIC VOLTAGE	<ul style="list-style-type: none"> 220Vac
OPERATING TEMPERATURES	<ul style="list-style-type: none"> -10°C to +55°C RH 95% no condensing
EMC COMPLIANCE	<ul style="list-style-type: none"> According to CE

SYSTEMS INTEGRATION & ACCESS SPECIFICATIONS

LOGIC	<ul style="list-style-type: none"> KB400PLC microprocessor combined beam and loop detector.
SYSTEMS INTEGRATION	<ul style="list-style-type: none"> Integrates with any access control and time & attendance systems with 0 voltage input 0V inputs provided for entry and exit directions of passage 0V latching input provided for control of both simultaneous and individual entry and exit direction
SPEED OF OPERATION	<ul style="list-style-type: none"> Rises and lowers in 4.0 – 4.5s
POWER FAILURE	<ul style="list-style-type: none"> In the event of a power failure, BOUNDTECH will fail state in raised position by solenoid control valve and manual operation will be enabled.

INSTALLATION & MAINTENANCE

PRODUCT DELIVERY	<ul style="list-style-type: none"> Fully assembled.
SITE PREPARATION	<ul style="list-style-type: none"> Flat and leveled concrete quality C12/C15 foundations of 1100mm width x 1600mm length x 1350mm dimension.
CABLING & CONDUITS	<ul style="list-style-type: none"> Trough the ground 50mm – 100mm to enclosure housing
LOGIC ACCESS	<ul style="list-style-type: none"> Housed above ground in water and vandal resistant housing cabinet.
MAINTENANCE ACCESS	<ul style="list-style-type: none"> Housing lockable service hatch door
MTTR <i>Mean Time To Repair</i>	<ul style="list-style-type: none"> Approx. 1hr
MCBF <i>Mean Cycle Between Failure</i>	<ul style="list-style-type: none"> 5 million

DESIGN OPTIONS & ACCESSORIES

DRIVE	<ul style="list-style-type: none"> Hydraulic Power Pack
LOGIC CONTROLLER	<ul style="list-style-type: none"> KB400PLC microprocessor combined beam and loop detector Selector switch relay control panel
BOLLARD OPTIONS	<ul style="list-style-type: none"> Bollard Sleeve - hot dip galvanised mild steel, Bollard Rising Sleeve - brushed 304 stainless steel Housing Cabinet - Powder coated 3CR12 stainless steel

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BARRIER HOUSING FINISHES OPTIONS	<ul style="list-style-type: none"> ▪ Powder coated mild steel (main housing section white and housing lid black) . <i>Other choice of colour available on request. Not recommended for corrosive environment applications</i> ▪ Powder coated 3CR12 stainless steel (main housing section white and housing lid black) . <i>Other choice of colour available on request. Suitable for low corrosive environment applications</i> ▪ Powder coated 304 stainless steel (main housing section white and housing lid black) . <i>Other choice of colour available on request. Suitable for corrosive environment applications with adequate cleaning program</i> ▪ Brushed 304 stainless steel. <i>Suitable for corrosive environment applications with adequate cleaning program</i> ▪ Brushed 316 stainless available on request. <i>For improved durability in corrosive environment applications with adequate cleaning program</i> 	
SAFETY & OPERATING ACCESSORIES	<ul style="list-style-type: none"> ▪ Loop detector ▪ IR safety beam transmitter and receiver / reflector ▪ Accumulator back-up 	<ul style="list-style-type: none"> ▪ Single / dual push button ▪ Rain Covers ▪ Loop for free entry or exit
APPLICATION ACCESSORIES	<ul style="list-style-type: none"> ▪ Car gooseneck options ▪ Dual car/truck gooseneck options ▪ Gravity fed card drop box options 	

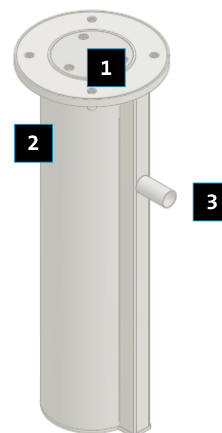
PRODUCT OVERVIEW

INDEX KEY

1 Inner rising sleeve

2 Bollard sleeve

3 hydraulic conduit hose entry point



DIMENSIONS & WEIGHT	600mm HEIGHT	800 mm HEIGHT
CABINET HOUSING DIMENSIONS (mm)	W850 x H1100 x D520	W850 x H1100 x D520
BOLLARD BLOCKING HEIGHT (mm)	600	800
BOLLARD BLOCKING DIAMETER (mm)	200	
RISING SLEEVE (mm)	DIAMETER 220 X 8 THICKNESS	
BOLLARD SLEEVE (mm)	HEIGHT 1132 X DIAMETER 273	
HOUSING NET WEIGHT	90kg	80kg
BOLLARD NET WEIGHT	105kg	130kg



ALLTECH RELIABILITY

Picking the optimum entrance control solution is a process based on close cooperation with our customers – all the way from **needs analysis**, **production**, to **implementation** and **service**

From Analysis to Proposal

- Needs analysis forms the basis of a tailored proposal
- Specified both for the overall solution and for individual areas of the site
- Fully compliant with all local regulations

Installation, Testing, Training

- Monitoring and implementing every installation
- Completion programme of functional reliability checks to ensure the equipment is safe
- Documenting each stage of the installation process
- Initiating start-up phase whilst focusing on training of relevant staff

Operation and Maintenance

- Initiating procedures for operation and maintenance
- Offering adequate Maintenance Plans or Service Level Agreements

With Alltech, a brand of the Gunnebo Security Group, a safe and reliable entrance control system is ready for round-the-clock use.



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