

Range of Products

Solutions for every requirement



Be ahead

From 1967 to date:

fifty years of Bft solutions.



Our history is a story of creativity; originally the vision of one person, today we are an international company recognised across the world for our intelligent solutions and the reliability of our products.

Joining the Somfy Group in 2004 our company continues to evolve with greater resources, people and increased authority in the international market.

Over the years, whilst developing ever more efficient sliding and swing gate automation technology, the staff at Bft have successfully focused their efforts on creating new solutions for parking systems and access control.

Our 530 distributors and 24 branches in more than 120 countries prove that we know how to stand out and our everyday activities are still inspired by the same curiosity about the future that awaits us.

A place for everyone.

We have launched two specific business units where we develop and market access automation: Residential & Industrial, for businesses and private dwellings, and Commercial & Urban, where we handle infrastructure for large communities, typically with high numbers of visitors and vehicles, which require road barriers, bollards and automatic doors.

In both situations, we satisfy the demands of customers, who are seeking a trusted and competent partner able to develop intelligent and technologically advanced systems which are simple and intuitive in everyday use.



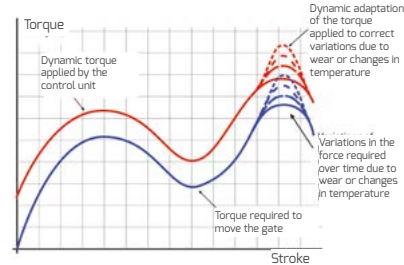
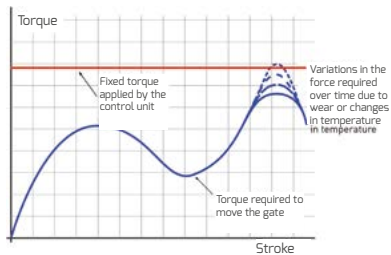
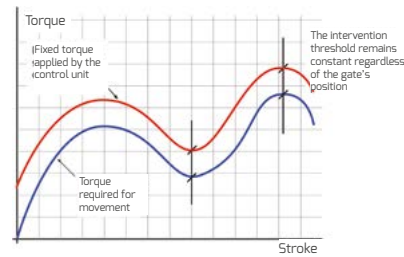
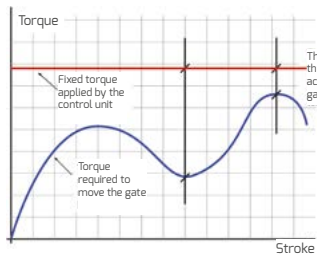
BFT, technologies, instruments, protocols

Dynamic Path Tracking

The power required to operate safely. A smart torque management system based on the microprocessor technology of BFT control units. Acquiring data from several indicators, it updates the level of torque required to perform the operation. D-Track also facilitates the installer in providing for the certifications required by law. Conventional control units do not “read” the exact position of the gate and consequently apply constant torque levels, without ensuring stable sensitivity during the opening and closing operations. BFT control devices record the slightest variation in the gate or door force, for example due to differences in temperature or wear, constantly supplying the optimum torque to the motor. A conventional control unit could not detect these torque variations, which would result in it indicating the presence of non-existent obstacles. The BFT system thus guarantees the maximum safety and perfect functioning of the equipment, no matter what the climactic and temperature conditions and degree of mechanical wear.



d-track



24 V

A precise, safe and reliable technology Bft 24V technology ensures optimum performance with a precise adjustment of slowdown in closing and opening. Safety is another key aspect, ensuring the immediate stopping and reversal of movement in the presence of obstacles. The efficiency of the technology is a guarantee of the product's reliability.



24 V

Home remote control systems

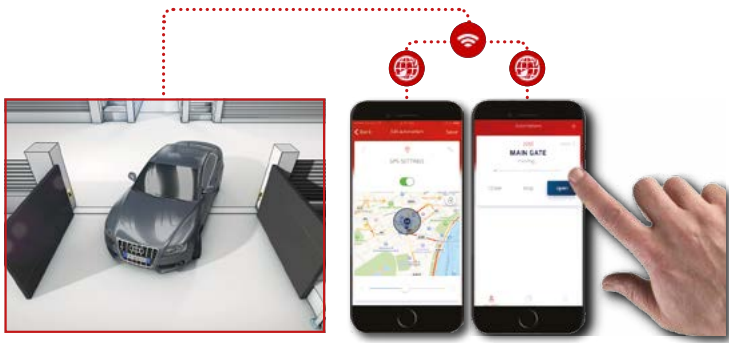
Bft is constantly developing new technological solutions able to offer integrated systems, ensuring high flexibility as well as easy installation and maintenance. In line with Bft's promise of "Ease of doing business", the solutions offer a high level of integration during installation, and the option of integration with building management systems (BMS). The innovative interconnectivity systems and wireless connectivity solutions in the field of access automation are proposed and supported by Bft through the new U-link system communication protocol.

To facilitate installers in creating systems and in maintenance, Bft offers solutions based on Bluetooth transmission systems. This technology is an absolutely stable standard and ensures the correct capacity as well as optimum data protection, thanks to two coding levels offered by the Bluetooth transmission system and the Bft password and cryptography system.

In the spirit of "tuned to you", Bft can also offer cutting-edge interconnectivity solutions to make the control of gates and accesses easy and immediate for the end-user.

Dedicated solutions and applications downloadable directly to smartphones and tablets allow you to manage the various entry gates in a flexible and dynamic way with just a touch on your device, or even be recognised by the gate itself and open the access by simply holding your smartphone in your pocket.

U-CONTROL



PLUS



You can open, close or stop a U-link device remotely or locally with just a touch. You can instantly check gate status (open / closed / moving) using the dedicated button.



You can enter the name and references of your installer in the U-control app. In case of a system failure, the installer can be contacted directly from the U-control app, emailing also the last error detected by the central unit.



On the IOS version, GPS technology can be used to open and close the gate automatically when the owner approaches.



Other users (up to 5) can be invited to use the same gate. Invited users will be able to control the gate with the rules set by the administrator. The system sends the administrator a notification for each operation performed by the invited users; this feature can be deleted from your smartphone settings.



U-BASE

Designed according to the installer's specific needs for easy management and maintenance of systems, the innovative U-Base software features a fast intuitive user interface which can operate on-line, updating data directly on connected systems, or off-line operating on the information present in the local computer database. The system requires the installation of a B EBA gateway expansion card connected to the control unit to operate and allows interfacing even wirelessly or remotely with Bft control units (U-Link compatible).

The main functions include the option of displaying and editing control unit parameters and logics, as well as viewing the list of recorded alarms. All the functions and parameters of the motors are monitored through the graphic interface, displaying the threshold current, PLUS absorbed current and the position of the operator in real-time.

PLUS



The software provides user friendly management of even very complex networks.



All functions and parameters are now easy to review and edit on the PC. The GUI also allows the user to review speed and absorption curves in real time.

B-EBA INPUT/OUTPUT



- Input/Output expansion card

B-EBA RS 485



- Expansion card for connecting groups of control units with serial command management

B-EBA TCP/IP



- Gateway expansion card for connecting to TCP/IP automation networks via U-Link slot.

B-EBA WI-FI



- Expansion card for connecting a U-Link device to a domestic wifi network.
- The connected operators can also be controlled remotely using the U-Control application available for Android and iOS smartphones.



Automated operators for sliding gates

Selection guide

Max. door/gate weight	Gate panel speed	Motor voltage	Frequency of use	Code	Model	Plus	
150 kg	11 m/min	24 V	30 c/h	P925264 00002	HIDE SL SMART BT A150	Limit switch encoder.	
				P925251 00002	HIDE SL SMART BT A300	Limit switch encoder.	
300 kg	16 m/min	24 V	intensive	P925222 00003	DEIMOS BT A400 V	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925222 00006	DEIMOS BT A400 V SQ	Limit switch Electromechanical.	
				P925221 00003	DEIMOS ULTRA BT A400 V	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	
				P925222 00004	DEIMOS BT A400 V 120	Limit switch Electromechanical. Trimmer and dip switch control unit.	
360 kg	24 V	120 V	intensive	P925224 00003	DEIMOS BT A600 V	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925224 00006	DEIMOS BT A600 V SQ	Limit switch Electromechanical.	
				P925223 00003	DEIMOS ULTRA BT A600 V	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	
				P925224 00004	DEIMOS BT A600 V 120	Limit switch Electromechanical. Trimmer and dip switch control unit.	
370 kg	11 m/min	230 V	Semi intensive	P925230 00004	DEIMOS AC A600 120 V	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925230 00004	DEIMOS AC A600 120 V	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925230 00003	DEIMOS AC A800 120 V SL DN	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925253 00003	DEIMOS AC A800 V SL DN	Limit switch Electromechanical. Trimmer and dip switch control unit.	
400 kg	12 m/min	24 V	intensive	P925222 00002	DEIMOS BT A400	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925222 00005	DEIMOS BT A400 SQ	Limit switch Electromechanical.	
				R925267 00002	DEIMOS BT KIT A400 FRA	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925221 00002	DEIMOS ULTRA BT A400	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	
	25 m/min	24 V	25 m/min	intensive	R925265 00002	DEIMOS ULTRA BT KIT A400 FRA	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
					P925222 00001	DEIMOS BT A400 120	Limit switch Electromechanical. Trimmer and dip switch control unit.
					P926190 00002	ARES BT A1000 V	Limit switch Electromechanical. Trimmer and dip switch control unit.
					P926194 00001	ARES ULTRA BT A1000 V 120	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.
500 kg	25 m/min	24 V	intensive	P926198 00002	ARES VELOCE SMART BT A500	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	
				P926198 00001	ARES VELOCE SMART BT A500 120V 60HZ	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	
				R925342 00001	ARES VELOCE SMART BT KIT A500 INT	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	
				P925230 00001	DEIMOS AC A600 120	Limit switch Electromechanical. Trimmer and dip switch control unit.	
600 kg	9 m/min	230 V	Semi intensive	P925230 00002	DEIMOS AC A600	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925230 00005	DEIMOS AC A600 SQ	Limit switch Electromechanical.	
				R925281 00002	DEIMOS AC KIT A600 FRA	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925224 00002	DEIMOS BT A600	Limit switch Electromechanical. Trimmer and dip switch control unit.	
	12 m/min	24 V	intensive	intensive	P925224 00005	DEIMOS BT A600 SQ	Limit switch Electromechanical.
					R925270 00002	DEIMOS BT KIT A600 ITA	Limit switch Electromechanical. Trimmer and dip switch control unit.
					R925271 00002	DEIMOS BT KIT A600 FRA	Limit switch Electromechanical. Trimmer and dip switch control unit.
					P925223 00002	DEIMOS ULTRA BT A600	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
750 kg	12 m/min	24 V	intensive	R925269 00002	DEIMOS ULTRA BT KIT A600 FRA	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	
				R925268 00002	DEIMOS ULTRA BT KIT A600 ITA	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	
				P925224 00001	DEIMOS BT A600 120	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P926188 00002	ARES BT A1500 V	Limit switch Electromechanical. Trimmer and dip switch control unit.	
800 kg	9 m/min	230 V	Semi intensive	P926192 00001	ARES ULTRA BT A1500 V 120	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	
				P925253 00001	DEIMOS AC A800 120 SL DN	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925253 00002	DEIMOS AC A800 5L DN	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P925231 00005	DEIMOS AC A800 SQ	Limit switch Electromechanical.	
1000 kg	12 m/min	24 V	intensive	R925283 00002	DEIMOS AC KIT A800 FRA	Brake and clutch electronically managed. Limit switch Electromechanical.	
				R925332 00002	DEIMOS AC KIT A800 INT SL DN	Brake and clutch electronically managed. Limit switch Electromechanical.	
				P926189 00002	ARES BT A1000	Limit switch Electromechanical. Trimmer and dip switch control unit.	
				P926189 00001	ARES BT A 1000 120	Limit switch Electromechanical. Trimmer and dip switch control unit. Unit power supply 120V.	
1000 kg	18 m/min	24 V	intensive	P926193 00002	ARES ULTRA BT A1000	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	
				R925295 00001	ARES ULTRA BT KIT A1000 FRA	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	
				P926193 00001	ARES ULTRA BT A1000 120	Limit switch Magnetic. Control unit with display, preconfigured for communication with U-Link protocol.	
				P925237 00001	ICARO SMART AC A2000 V 120	Control unit preconfigured for communication with U-Link protocol and with tamper-proof function. Operator with encoder and torque control using D-Track technology.	
	22 m/min	230 V	very intensive	very intensive	P925257 00001	ICARO ULTRA AC A2000 V 120 V	Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
					P925237 00002	ICARO SMART AC A2000 V	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
					P925237 00003	ICARO SMART AC A2000 V SQ	Limit switch Electromechanical.
					P926199 00002	ARES VELOCE SMART BT A1000	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.
25 m/min	230 V	very intensive	very intensive	P925256 00001	ICARO VELOCE SMART AC A1000 120V 60HZ	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	
				P925256 00002	ICARO VELOCE SMART AC A1000	Electromechanical limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	

DEIMOS BT A



- Operator for sliding gates weighing up to 600 kg.
- Panel speed up to 16 m/min.
- Electromechanical limit switch.
- Unlocking with personalised key.

DEIMOS ULTRA BT A



- Operator for sliding gates weighing up to 600 kg.
- Panel speed up to 16 m/min.
- Magnetic limit switch.
- Unlocking with personalised key.

DEIMOS AC A



- Operator for sliding gates weighing up to 800 kg.
- Panel speed up to 11 m/min.

ARES VELOCE SMART
BT A



- 24 V high-intensity use fast operators for sliding gates weighing up to 500 kg and panel speed up to 25 m/min.
- 24 V high-intensity use fast operators for sliding gates weighing up to 1,000 kg and panel speed up to 18 m/min.

ARES BT A



- Operator for sliding gates weighing up to 1,500 kg.
- Panel speed up to 12 m/min.
- Electromechanical limit switch.

ARES ULTRA BT A



- Operator for sliding gates weighing up to 1,500 kg.
- Panel speed up to 12 m/min.
- Magnetic limit switch.

ICARO VELOCE SMART
AC A



- 230 V fast operators for sliding gates for very intensive use, extremely robust and high-performance thanks to oil bath transmission. For gates weighing up to 1,000 kg and panel speed up to 25 m/min or up to 2,000 kg and 18 m/min.

ICARO SMART AC A



- Operator for sliding gates weighing up to 2,000 kg.
- Panel speed up to 12 m/min.
- Electromechanical limit switch.

ICARO ULTRA AC A



- Operator for sliding gates weighing up to 2,000 kg.
- Panel speed up to 12 m/min.
- Magnetic limit switch.

SP3500



- Operator for sliding gates weighing up to 3,500 kg.
- Panel speed up to 10 m/min.
- Electromechanical limit switch.

HIDE SL SMART BT A



- 24 V operator with relative encoder, comprising a gear motor and a control unit, for sliding gates, which can be installed inside a steel (HIDE SL SMART BT A150 and HIDE SL SMART BT A300) or aluminium (HIDE SL SMART BT A300) post which has been suitably machined.
- Panel speed up to 11 m/min.



Electromechanical automated operators for swing gates

Selection guide

Max. width of door/gate wing	Max. weight of door/gate wing	Maximum angle	Motor voltage	Frequency of use	Code	Model	Plus				
2.50 m	400 kg	116 °	24 V	intensive	P935096 00002	PHOBOS BT A25	Magnetic limit switch				
					R935306 00005	PHOBOS BT KIT A25 FRA	Magnetic limit switch				
		P935099 00002			KUSTOS BT A25	Covered worm screw Magnetic limit switch					
		R935307 00005			KUSTOS BT KIT A25 FRA	Covered worm screw Magnetic limit switch					
		P935101 00002			KUSTOS ULTRA BT A25	Covered worm screw Magnetic limit switch					
	R935308 00005	KUSTOS ULTRA BT KIT A25 FRA	Covered worm screw Magnetic limit switch								
	700 kg	120 °	Semi intensive	120 V	P935098 00001	PHOBOS AC A25 120 V	Working time limit switch				
					P935098 00002	PHOBOS AC A25	Working time limit switch				
					R935304 00003	PHOBOS AC KIT A25 FRA	Working time limit switch				
					P935108 00002	ATHOS AC A25 AR					
P935109 00002					ATHOS AC A25 AL						
R935339 00002	ATHOS AC KIT A25 EU										
2 m	150 kg	110 °	24 V	intensive	P930124 00001	HIDE SW	Absolute encoder limit switch				
					R930138 00002	HIDE SW KIT	Absolute encoder limit switch				
4 m	400 kg	124 °	230 V	Semi intensive	P935115 00002	ATHOS AC A40 AR					
					P935116 00002	ATHOS AC A40 AL					
					R935344 00002	ATHOS AC KIT A40 EU					
					P935095 00002	PHOBOS BT A40	Magnetic limit switch				
					R935309 00005	PHOBOS BT KIT A40 FRA	Magnetic limit switch				
	500 kg	126 °	intensive	24 V	P935100 00002	KUSTOS BT A40	Covered worm screw Magnetic limit switch				
					R935310 00005	KUSTOS BT KIT A40 FRA	Covered worm screw Magnetic limit switch				
					P935102 00002	KUSTOS ULTRA BT A40	Covered worm screw Magnetic limit switch				
					R935311 00005	KUSTOS ULTRA BT KIT A40 FRA	Covered worm screw Magnetic limit switch				
					P935097 00001	PHOBOS AC A50 120V	Working time limit switch				
5 m	129 °	Semi intensive	230 V	P935097 00002	PHOBOS AC A50	Working time limit switch					
				R935305 00003	PHOBOS AC KIT A50 FRA	Working time limit switch					
				electromechanical swing operators with articulated arm							
1.20 m	80 kg	130 °	24 V	very intensive	P930027 00003	E5 BT A12	Absolute encoder limit switch				
					R930153 00003	E5 SMART BT KIT A12	Absolute encoder limit switch				
1.80 m	100 kg	130 °	24 V	Semi intensive	P930027 00001	E5 BT A18	Absolute encoder limit switch				
					R930153 00001	E5 SMART BT KIT A18	Absolute encoder limit switch				
2 m	200 kg	120 °	24 V	Semi intensive	P930129 00002	VIRGO SMART BT A 20	Limit switch Electromechanical.				
					P930130 00002	VIRGO SMART BT A 20 SLAVE	Limit switch Electromechanical.				
2.50 m	250 kg	125 °	24 V	intensive	R930150 00001	VIRGO SMART BT A 20 KIT INT	Limit switch Electromechanical.				
					P935070 00002	IGEA BT	Limit switch Electromechanical.				
					R935229 00002	IGEA BT KIT FRA	Limit switch Electromechanical.				
					R935297 00002	IGEA BT KIT FRA THALIA	Limit switch Electromechanical.				
					R935264 00001	IGEA BT KIT FAST NET EASY BUS	Limit switch Electromechanical.				
			230 V	P935065 00002	IGEA	Limit switch Electromechanical.					
				R935221 00002	IGEA KIT FRA	Limit switch Electromechanical.					
				swing gates with underground electromechanical operator							
				3.50 m	500 kg	120 °	intensive	24 V	P930133 00002	ELI VELOCE BT A35	Relative encoder limit switches
								230 V	P930131 00002	ELI VELOCE AC A35	Magnetic limit switches - Optional
4 m	700 kg	120 °	intensive	24 V	P930134 00002	ELI BT A40	Relative encoder limit switches				
				230 V	P930132 00002	ELI AC A40	Magnetic limit switches - Optional				

PHOBOS AC A



- 230 V electromechanical operator for swing gates weighing up to 500 kg and up to 5 m long.

PHOBOS BT A



- 230 V electromechanical operator for swing gates weighing up to 500 kg and up to 4 m long.

KUSTOS BT A



- 24 V electromechanical operator for swing gates weighing up to 500 kg and up to 4 m long.
- Magnetic limit switch.

KUSTOS ULTRA BT A



- 24 V electromechanical operator for swing gates weighing up to 500 kg and up to 4 m long with covered worm screws and built-in mechanical stops.
- Magnetic limit switch.

VIRGO SMART BT A



- 24 V electromechanical operator for swing gates weighing up to 200 kg and up to 2 m long.

IGEA BT



- 24 V electromechanical operator for swing gates weighing up to 250 kg and up to 2.5 m long.

IGEA



- 230 V electromechanical operator for swing gates weighing up to 250 kg and up to 2.5 m long.

HIDE SW



- 24 V residential operator for gates weighing up to 150 kg, fits completely inside the uprights of swing gates.

ELI AC A



- Underground non-reversible electromechanical operator for swing gates up to 4 m long with 230 V motors.

ELI BT A



- Underground non-reversible electromechanical operator for swing gates up to 4 m long with 24 V technology.

E5 BT A



- 24 V reversible electromechanical operator for swing gates for pedestrian and vehicular access, for use in homes and apartment buildings.



Electromechanical automated operators for swing gates

Selection guide

Max. width of door/gate wing	Max. weight of door/gate wing	Maximum angle	Motor voltage	Frequency of use	Code	Model	Plus
electromechanically operated swing gates							
2 m	300 kg	110 °	24 V	very intensive	P935105 00001	GIUNO ULTRA BT A20	Selectable locking Magnetic limit switches
hydraulically operated swing gates							
1.80 m	180 kg	112 °	230 V	Semi intensive	P935059 00001	ORO	Compact size
					R935222 00002	ORO KIT	Compact size
					R935210 00011	ORO KIT FRA	Compact size
2.50 m	200 kg	101 ° 117 °	230 V	very intensive	P935058 00001	ORO E	Compact size
					P935046 00002	LUX R 2B 5N2	
2 m	300 kg	123 °	230 V	very intensive	P935039 00001	LUX FC 2B	
					P935009 00001	LUX	Reversible
					P935010 00001	LUX B	
					P935011 00001	LUX 2B	
					P935044 00002	LUX R5N2	Reversible
					P935035 00001	LUX MB	Locking on closure
2.30 m					R935217 00002	LUX MB KIT	Locking on closure
3.50 m					P935014 00001	LUX GV	Reversible
4 m	500 kg	110 ° 130 °	24 V 230 V	very intensive	P935012 00001	LUX L	Reversible
					P935049 00001	LUX LR	Reversible
					P935061 00001	P4.5	Closing slowdown
5 m	800 kg	110 ° 130 °	24 V 230 V	very intensive	P935106 00001	GIUNO ULTRA BT A50	Selectable locking Magnetic limit switches
					P935013 00001	LUX G	Reversible
					P935060 00001	P7	Closing slowdown
swing gates with underground hydraulic operator							
1.80 m	800 kg	130 °	230 V	very intensive	P930026 00001	SUB DX	very intensive
					P930026 00002	SUB SX	very intensive
					P930012 00005	SUB R DX	Slowdown
		P930012 00006	SUB R SX		Slowdown		
		P930010 00005	SUB G DX		very intensive		
		P930010 00006	SUB G SX		very intensive		
2.50 m	800 kg	120 °	24 V 230 V	very intensive	P930123 00001	SUB BT	D-Track
					P930009 00004	SUB E DX	very intensive
					P930009 00005	SUB E SX	very intensive
		P930013 00007	SUB ER DX		Slowdown		
		P930013 00008	SUB ER SX		Slowdown		
		P930012 00007	SUB R UL/CSA DX		Slowdown		
3.50 m	800 kg	130 °	120 V 230 V	very intensive	P930014 00005	SUB EL DX	very intensive
					P930014 00006	SUB EL SX	very intensive

*To see the full list of models, please visit the website at www.bft-automation.com

 GIUNO ULTRA BT A



- 24 V hydraulic operator for swing gates up to 5 m long and weighing up to 800 kg.
- Maximum angle 110°.

 LUX



- Hydraulic operator for swing gates up to 5 m long and weighing up to 800 kg.
- Maximum working stroke 390 mm.
- Power consumption 250 W.

 ORO



- Hydraulic operator for swing gates up to 2.5 m long and weighing up to 200 kg.
- Movement time 20 seconds

 P7/P4.5



- Reversible hydraulic operator for swing gates up to 7 m long and weighing up to 500 kg.
- Working stroke 390 mm.
- Maximum angle 123°.

 SUB BT



- Low-voltage underground hydraulic operator for swing gates up to 2.5 m long and weighing up to 800 kg.

 SUB



- 230 V underground hydraulic operator for swing gates up to 3.5 m long and weighing up to 800 kg.



Automated operators for garage doors

Selection guide

Door surface area	Nominal voltage	Frequency of use	Kit	Operator	Plus	
Sectional garage doors						
10 m ²	24 V	Semi intensive	-	TIZIANO B GDA 260 S01	D-Track	
			I	TIZIANO 3.5 CHAIN KIT	D-Track	
Intensive		-	BOTTICELLI BT A 650	D-Track		
		I	BOTTICELLI SMART BT A 850	D-Track Exclusive anti-intruder function.		
13 m ²		24 V	Intensive	-	BOTTICELLI BT A 850 KIT	D-Track Exclusive anti-intruder function.
				I	BOTTICELLI SMART BT A 1250	D-Track Exclusive anti-intruder function.
	-			ARGO BT A 20	Built-in courtesy light	
16 m ²	24 V	very intensive	-	ARGO BT A 35	Built-in courtesy light	
20 m ²			-	ARGO BT A 35	Built-in courtesy light	
35 m ²	24 V	very intensive	-	ARGO BT A 35	Built-in courtesy light	
Overhead garage doors						
8 m ²	24 V	Semi intensive	-	PHEBE BT A U	Built-in control unit with D-Track	
			-	PHEBE BT A SQ	Limit switch on-board the motor Limit switch Electromechanical.	
			-	PHEBE BT A U C	Built-in control unit with D-Track	
			-	PHEBE BT A C SQ	Limit switch on-board the motor Limit switch Electromechanical.	
			-	PHEBE BT A U IP44	IP44	
			-	PHEBE BT A SQ IP44	IP44 Limit switch Electromechanical.	
			-	PHEBE ULTRA BT A	Limit switch with IMU sensor	
			-	PHEBE ULTRA BT A SQ	Limit switch with IMU sensor	
9 m ²	230 V	very intensive	I	PHEBE BT A U KIT ITA	Built-in control unit with D-Track	
			-	BERMA	knob release	
			-	BERMA SEB	lever for steel cable release	
			-	BERMA R	knob release and hydraulic slowdown	
			-	BERMA SEB R	lever for steel cable release and hydraulic slowdown	
-	BERMA SA R	automatic release and hydraulic slowdown				

Automated operators for sectional and folding industrial doors

Selection guide

Nominal voltage	Frequency of use	Kit	Operator	Plus
Industrial sectional doors				
230 V	Semi intensive	-	PEGASO BCJA620L01	Absolute encoder limit switch
		-	PEGASO BCJA625L01	Absolute encoder limit switch
		-	PEGASO BCJA625L02	Absolute encoder limit switch
		-	PEGASO BCJA620L11	Absolute encoder limit switch
		-	PEGASO BCJA625L11	Absolute encoder limit switch
		-	PEGASO BCJA625L12	Absolute encoder limit switch
400 V	Intensive	-	PEGASO BCJA645W01	Absolute encoder limit switch
		-	PEGASO BCJA645W02	Absolute encoder limit switch
		-	PEGASO BCJA645W11	Absolute encoder limit switch
Industrial folding doors				
24 V	Semi intensive	-	IGEA LB BT	D-Track
230 V	very intensive	-	FORB	Hydraulic protection against crushing
		-	FORB R	Hydraulic slowdown
	-	FORB ERSA	Hydraulic slowdown	
230 V	Semi intensive	-	IGEA LB	Electric clutch

TIZIANO



- Operator for sectional garage doors with pull force of 60 kg for semi-intensive use.
- Door surface area 10 m².
- Opening speed 6.6 m/min.

BOTTICELLI SMART BT A



- Electromechanical operator for intensive/very intensive use, designed for automation of sectional garage doors.
- Door surface area up to 10 m².
- Max opening speed (chain rail) 210 mm/sec.
- Max opening speed (belt rail) 240 mm/sec.

PHEBE BT A



- Operator for overhead garage doors with a maximum surface area of up to 8 m².
- Electromechanical limit switch.

ARGO BT A



- 24 V electromechanical operator for sectional garage doors for installation in residential, industrial and commercial settings.

BERMA



- Hydraulic operator for very intensive use for overhead garage doors.
- Made for use in the most demanding conditions, combining the strength and reliability that are typical of hydraulic operators.

PEGASO B CJA AUTO



- Electromechanical operator for semi-intensive use for the automation of sectional industrial doors up to 25 m² (Pegaso B Cja 625) or up to 45 m².
- Absolute encoder limit switch, which can be quickly adjusted from floor level.

PEGASO B CJA UP



- Electromechanical operator for semi-intensive use for the automation of sectional industrial doors up to 25 m² (Pegaso B Cja 625) or up to 45 m².
- Absolute encoder limit switch, which can be quickly adjusted from floor level.

IGEA LB



- Range of 230 V electromechanical operators for folding industrial doors, up to 2 panels per door.
- Also available in the 24 V version ensuring the highest levels of anti-crushing safety and precision of movement and deceleration.

FORB



- Hydraulic operator for very intensive use for folding industrial doors, up to 2 panels per door.
- Made for use in the most demanding conditions, combining the strength and reliability that are typical of hydraulic operators.

Selection guide

Shaft diameter	Spring holder diameter	Maximum torque	Power supply	Code	Model	Plus		
ROLLER SHUTTER								
60 mm	200 mm	130 Nm	230 V	P910041 00002	WIND RMB 130B 200-230	Adapters for spring holders and shaft included in pack		
				P910042 00002	WIND RMB 130B 200-230 EF	Adapters for spring holders and shaft included in the package.		
				R965004 00001	WIND RMB KIT 130B 200-230 EF AUTO	Adapters for spring holders and shaft included in the package.		
				R965004 00002	WIND RMB KIT 130B 200-230 EF UP	Adapters for spring holders and shaft included in the package.		
				P910043 00002	WIND RMB 170B 200-230	Adapters for spring holders and shaft included in pack		
		P910044 00002		WIND RMB 170B 200-230 EF	Adapters for spring holders and shaft included in pack			
		P910046 00002		WIND RMB 350B 200-230 EF	Adapters for spring holders and shaft included in the package.			
		P910053 00002		WIND AC A230/240-76 EF 230V				
		101 mm		240 mm	226 Nm	P910038 00002	WIND RMC 235B 240-230	Adapters for spring holders and shaft included in pack
					235 Nm	P910039 00002	WIND RMC 235B 240-230 EF	Adapters for spring holders and shaft included in pack
445 Nm	P910040 00002		WIND RMC 445B 240-230 EF		Adapters for spring holders and shaft included in pack			
476 Nm	P910054 00002		WIND AC A470/240-76 EF 230V					

Selection guide

Motor power supply	Outer diameter	Actuator weight	Frequency of use	Code	Model
ROLL-UP					
230 V	60 mm	2,10 kg	Residential	P910052 00001	REEL EASY B10 230V W45
		2,20 kg		P910052 00002	REEL EASY B20 230V W45
		2,75 kg		P910052 00003	REEL EASY B30 230V W45
		2,80 kg		P910052 00004	REEL EASY B50 230V W45

REEL EASY



- The Reel range consists of a complete offer of wire tubular motors, with electromechanical limit switches.

WIND RM



- 230V operators for roller shutters with maximum torque up to 445 Nm.
- Suitable for mounting on shutters with pulley diameter of 200, 220, 240 and 280mm shaft diameter 42, 48, 60, 76 and 101mm.
- Available in versions with or without electric brake.



Automatic doors

Selection guide

Number of gate panels	Motor voltage	Max Leaf	Clear opening	Code	Model	Plus
Sliding						
1	NoSet	140 kg	750 x 2150 mm	P960700	VISTA EMERGENCY 1 ANTA	Ideal for escape routes and emergency exits.
	24 V	100 kg		P960685 00002	VISTA SLK A100 SMART-114	Compact profile common to all models in the VISTA SLK range. Dunker motor.
		150 kg		P960690 00002	VISTA SLK A100R SMART-114	Compact profile common to all models in the VISTA SLK range.
		200 kg		P960680 00002	VISTA SLK A150 SMART-114	Compact profile common to all models in the VISTA SLK range. Dunker motor.
2	NoSet	120 kg	800 x 2900 mm	P960700	VISTA EMERGENCY 2 ANTE	Ideal for escape routes and emergency exits.
	24 V	80+80 kg		P960687 00002	VISTA SLK A100 SMART-214	Compact profile common to all models in the VISTA SLK range. Dunker motor.
		100+100 kg		P960692 00002	VISTA SLK A100R SMART-214	Compact profile common to all models in the VISTA SLK range.
		150+150 kg		P960682 00002	VISTA SLK A150 SMART-214	Compact profile common to all models in the VISTA SLK range. Dunker motor.
Telescopic sliding gates						
2	24 V	2 x 100 kg	800 x 3300 mm	P960580 00002	VISTA TL2-207	Maximum opening for installation in small spaces.
4		4 x 80 kg		P960595 00002	VISTA TL4-416	Maximum opening for installation in small spaces.
Swing						
1	24 V	260 kg	600 x 1400 mm	P960666 00002	VISTA SW 260 MXL	Compact size, ideal for use in small spaces.
				P960667 00002	VISTA SW 260 SXL	Compact size, ideal for use in small spaces.
		350 kg	700 x 1400 mm	P960578 00002	VISTA SW 350 MXL PORTA BATTENTE SENZA MOLLA	Ideal for "fail safe" installations (management with batteries)
				P960577 00002	VISTA SW 350 SXL PORTA BATTENTE CON MOLLA	Ideal for "low energy" installations (spring closure) and on fire doors



VISTA SLK SMART



- VISTA SLK SMART is the range of compact, modern and versatile automations which can be used for both lightweight (up to 100 kg) and heavyweight (up to 150 kg) gates.
- The profiles are compact in size and give the automation a design which fits in well with any surroundings.
- All models in the range are available in the automation kit version (MODULE KIT) to be used with the set of profiles and the belt and in the ASSEMBLED AUTOMATION version, to be ordered in the required size.



VISTA SL A200 SMART



- VISTA SL A200 SMART is the robust and highly reliable automation for heavyweight gates weighing up to 200 kg, to be combined with oversize profiles that offer complete stability of the gate.
- VISTA SL A200 SMART is available in the automation kit version (MODULE KIT) to be used with the set of profiles and the belt and in the ASSEMBLED AUTOMATION version, to be ordered in the required size.

VISTA SW 260



- Automation for swing doors for automating large and heavy leaves.
- Available with motorised control of opening and closing and with control of closing return spring.
- Designed for frequent and intensive use, typical of healthcare facilities and hotels.

VISTA SW 350



- Automation for swing doors for automating large and very heavy leaves.
- Available with motorised control of opening and closing and with control of closing return spring. The version with spring is suitable for use on fire doors.
- Designed for frequent and intensive use, typical of healthcare facilities and hotels.



VISTA TL



- The telescopic sliding gate automation VISTA TL has been developed for automating the sliding doors located in entrances in extremely small spaces: when the opening is very small, a telescopic automation helps to widen the opening by up to 30%.
- Used for automating gates weighing up to 100 kg.
- VISTA TL is available in the installation kit version to be used with the set of profiles and the belt and in the ASSEMBLED AUTOMATION version, to be ordered in the required size.

VISTA EMERGENCY



- The VISTA EMERGENCY redundancy system can be installed on escape routes and emergency exits, replacing traditional automations with sliding doors with breakout swing panels.
- It offers a sophisticated emergency system that enables evacuation by opening the door panels, in accordance with the requirements of European standard EN16005 - Automated Pedestrian Doors. Safety in use.
- The double winding brushless motor fitted to the automation means the door is very quiet when operating and is highly reliable over time with minimal maintenance.
- Also available in the automation kit version (MODULE KIT), to be used with the profile set and the belt.



Road barriers

Selection guide

Clear opening	Motor power supply	Frequency of use	Kit	Operator	Plus
ROAD BARRIERS					
from 2 to 6 m	120 V	Continuous	-	MAXIMA ULTRA 36 120V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 120V RAL	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 120V INOX	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL 120V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL RAL 120V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL INOX 120V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 230V RAL	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 INOX 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
from 4 to 8 m	230 V	very intensive	-	MAXIMA ULTRA 36 XL RAL 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 36 XL INOX 230V	U-Link embedded. Oil bath gearbox unit and three-phase motor with inverter. Cap with lights (optional). Anti-vandalism system mechanical crankshaft.
			-	MAXIMA ULTRA 68 5M	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 68 5M - RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
from 1.7 to 5 m	120 V	Continuous	-	MAXIMA ULTRA 68 5M + A55 SPRING	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 68 5M + A55 SPRING RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 5M 115V NP8 NO SPRING	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 5M 115V NP8 NO SPRING RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 5M	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 5M - RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
from 1.7 to 3 m	230 V	very intensive	-	MAXIMA ULTRA 35 5M + A55 SPRING	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
			-	MAXIMA ULTRA 35 5M + A55 SPRING RAL	U-Link embedded. Three-phase motor with inverter. Anti-vandalism system mechanical crankshaft. Oil bath gear motor.
from 4 to 5.4 m	Intensive	-	MAXIMA 30	Fast barrier.	
		-	MAXIMA 30 - RAL	Fast barrier.	
from 6.5 to 8 m	Intensive	-	MAXIMA 60	Intensive barrier.	
		-	MAXIMA 60 - RAL	Intensive barrier.	
3 m	24 V	very intensive	-	MAXIMA 80	Wide useful passage.
			-	MAXIMA 80 - RAL	Wide useful passage.
			-	GIOTTO BT A 30 U 230V50	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 30 U 230V50 RAL PERS	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 305 U 230V50	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 305 U 230V50 RAL PERS	Control unit with Ulink, display and receiver in head.
3 m	230 V	Semi intensive	-	GIOTTO BT A 305 U 120V60	New U-Link control unit with display and receiver in head
			-	GIOTTO BT A 305 U 120V60 RAL PERS	New U-Link control unit with display and receiver in head
			-	MOOVI 30	Control unit with display and built-in receiver.
			-	MOOVI 30 RAL	Control unit with display and built-in receiver.
			-	MOOVI 30 RMM	Control unit with display and built-in receiver.
	Intensive	-	MOOVI 30 RMM RAL	Control unit with display and built-in receiver.	
		-	MOOVI 30 RMM INOX	Control unit with display and built-in receiver.	
		-	MOOVI 30S	Rapid barrier.	
		-	MOOVI 30S RAL	Rapid barrier.	
		-	MOOVI 30S INOX	Rapid barrier.	

4 m		very intensive	-	GIOTTO BT A ULTRA36 230V50	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A ULTRA36 230V50 RAL PERS	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A ULTRA36 120V60	Integrated control unit with U-Link connectivity.
24 V	intensive	-	GIOTTO BT A ULTRA36 120V60 RAL PERS	Integrated control unit with U-Link connectivity.	
		-	MICHELANGELO BT A 60 U	Built-in warning light.	
		-	MICHELANGELO BT A 60 U RAL	Built-in warning light.	
		-	MICHELANGELO BT A 60 U 120		
		-	MICHELANGELO BT A 60 U 120 RAL		
		-	GIOTTO BT A 60 U 230V50	Control unit with Ulink, display and receiver in head.	
		-	GIOTTO BT A 60 U 230V50 RAL PERS	Control unit with Ulink, display and receiver in head.	
		-	GIOTTO BT A ULTRA36 XL 230V50	Integrated control unit with U-Link connectivity.	
		-	GIOTTO BT A ULTRA36 XL 230V50 RAL PERS	Integrated control unit with U-Link connectivity.	
		-	GIOTTO BT A ULTRA36 XL 120V60	Integrated control unit with U-Link connectivity.	
6 m		very intensive	-	GIOTTO BT A ULTRA36 XL 120V60 RAL PERS	Integrated control unit with U-Link connectivity.
			-	GIOTTO BT A 605 U 230V50	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 605 U 230V50 RAL PERS	Control unit with Ulink, display and receiver in head.
			-	GIOTTO BT A 605 U 120V60	New U-Link control unit with display and receiver in head
			-	GIOTTO BT A 605 U 120V60 RAL PERS	New U-Link control unit with display and receiver in head
			-	MOOVI 60	Control unit with display and built-in receiver.
230 V	Semil intensive	-	MOOVI 60 RAL	Control unit with display and built-in receiver.	
		-	MOOVI 60 RMM	Control unit with display and built-in receiver.	
		-	MOOVI 60 RMM RAL	Control unit with display and built-in receiver.	
		-	MOOVI 60RMM INOX	Control unit with display and built-in receiver.	
		-	MICHELANGELO BT A 80 U	Built-in warning light.	
		-	MICHELANGELO BT A 80 U RAL	Built-in warning light.	
8 m	24 V	intensive	-	MICHELANGELO BT A 80 U 120	
			-	MICHELANGELO BT A 80 U 120 RAL	

MAXIMA ULTRA 36



- Professional electromechanical barrier with inverter technology and three-phase asynchronous motor for high frequency of use, developed and designed for a wide range of operating conditions such as large car parks or motorway toll booths with frequent inversions of movement. Can control access points from 2 to 6 metres wide with a single model offering all accessories.
- Mechanical crankshaft movement which can deliver fluidity of movement of the bar and control its soft opening and closing movements.
- Cap with RGB lights (optional) with traffic light function, available parking spaces and self-diagnostics.

MAXIMA ULTRA 35



- Range of professional 230 VAC electromechanical barriers with speed adjuster and three-phase asynchronous motor for high frequency of use.
- Option to configure the opening clearance using an electronic control unit.
- Mechanical crankshaft movement (anti-vandalism system) which can deliver fluidity of movement and balance to the bar by also controlling its soft opening and closing.

MAXIMA ULTRA 68



- Range of professional 230 VAC electromechanical barriers with speed adjuster and three-phase asynchronous motor for high frequency of use.
- Option to configure the opening clearance using an electronic control unit.
- Mechanical crankshaft movement (anti-vandalism system) which can deliver fluidity of movement and balance to the bar by also controlling its soft opening and closing.

MAXIMA



- Range of professional electromechanical barriers, 230 VAC, for high frequency of use, designed to operate in a wide variety of uses such as large car parks, motorway toll booths with frequent reversals of direction and industrial facilities.
- Mechanical crankshaft movement able to deliver fluidity of movement and balance to the bar by also controlling its soft opening and closing.

GIOTTO ULTRA 36



- Range of 24 V electromechanical barriers with opening speeds of between 2.2 and 4 seconds, depending on the length of the bar.
- Ideal for installation in large car parks, vehicle access points and industrial gates between 2 and 6 m wide.
- High degree of movement control and impact reaction via encoder.
- Integrated control unit with U-Link connectivity.
- Same appearance as Maxima U36 barrier.
- Wide range of accessories for any type of application.

GIOTTO BT A



- Range of barriers for intensive and very intensive use, for controlling openings up to 6 m wide. Integrated control unit with U-Link connectivity.
- Fitted with 24 V motors, with an extensive range of accessories which make them the perfect choice for any setting.

MICHELANGELO BT A

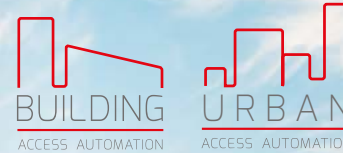


- Range of barriers for very intensive use, for controlling openings up to 8 m wide.
- The wide range of accessories, incorporated flashing light and fittings for photocells make them ideal in any context

MOOVI



- Range of barriers for semi-intensive use, for controlling openings up to 6 m wide.
- The wide range of accessories available makes them ideal in any context.



Anti-Terrorism Bollards

Selection guide

Shaft height	Shaft diameter	Ramming resistant	Kit	Operator	Plus
hydraulic bollards					
800 mm	273 mm	800,000 J	-	XPASS B 275/800C L	Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).
			-	XPASS B 275/800 L SD EFO	EFO version (Emergency Fast Operation). Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).
			-	XPASS B 275/800C L - RAL	Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).
			-	XPASS B 275/800C LI	Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4). Stainless steel shaft.
			-	XPASS B 275/800C LI STAINLESS STEEL 316	Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4). AISI 316L stainless steel shaft.
			-	XPASS B 275/800C L SD	Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).
			-	XPASS B 275/800C L SD-RAL	Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).
			-	XPASS B 275/800C LI SD	Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4). AISI 304 stainless steel shaft.
			-	XPASS B 275/800C LI STAINLESS STEEL 316 SD	Security & Device version. Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4). AISI 316L stainless steel shaft.
			1.200 mm	330 mm	2,100,000 J
-	XPASS B 330/1200 BODY L	Maximum ramming resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).			
-	XPASS B 330/1200 BODY L-RAL	Maximum ramming resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).			
-	XPASS B 330/1200 BODY LI	AISI 304 stainless steel shaft. Maximum ramming resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).			
-	XPASS B 330/1200 BODY LI STAINLESS STEEL 316	316L stainless steel shaft. Maximum ramming resistance. Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).			
-	XPASS B 330/1200 HYDR. UNIT	Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).			
-	XPASS B 330/1200 HYDR. UNIT + EFO	EFO version (Emergency Fast Operation). Anti-terrorism certification IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4).			
Fixed bollards					
800 mm	273 mm	800,000 J	-	RANCH D 275/800CN L	Simulation as per standard IWA14-1:2013.
			-	RANCH D 275/800CN L - RAL	Simulation as per standard IWA14-1:2013.
1.200 mm	330 mm	2,100,000 J	-	RANCH E 330/1200C LI	Cap with lights. Simulation as per standard IWA14-1:2013.
			-	RANCH E 330/1200C L RAL FIXED BOLLARD	Cap with lights. Simulation as per standard IWA14-1:2013.
			-	RANCH E 330/1200C L RAL 7015 FIXED BOLLARD	Cap with lights. Simulation as per standard IWA14-1:2013.
			-	RANCH E 330/1200C LI STAINLESS STEEL 316	Cap with lights and AISI 316L stainless steel version. Simulation as per standard IWA14-1:2013.

Parking and traffic bollards

Selection guide

Shaft height	Shaft diameter	Kit	Operator	Plus
Fixed bollards				
490 mm	219 mm	-	RANCH B 219/500 L	Version with lights and painted steel shaft. RAL 7015.
		-	RANCH B 219/500 L - RAL	Version with lights and painted steel shaft. RAL colour as requested.
		-	RANCH B 219/500 LI	Version with lights and AISI 304 stainless steel shaft.
600 mm	273 mm	-	RANCH C 275/600CN L	High ramming resistance.
		-	RANCH C 275/600CN L - RAL	High ramming resistance.
		-	RANCH C 275/600CN LI	High ramming resistance.
700 mm	219 mm	-	RANCH C 275/600CN LI STAINLESS STEEL 316	High ramming resistance.
		-	RANCH B 219/700 L	Version with lights and painted steel shaft. RAL 7015.
		-	RANCH B 219/700 L - RAL	Version with lights and painted steel shaft. RAL colour as requested.
800 mm	273 mm	-	RANCH B 219/700 LI	Version with lights and AISI 304 stainless steel shaft.
		-	RANCH C 275/800CN L	High ramming resistance.
		-	RANCH C 275/800CN L - RAL	High ramming resistance.
800 mm	273 mm	-	RANCH C 275/800CN LI	High ramming resistance.
		-	RANCH C 275/800CN LI STAINLESS STEEL 316	High ramming resistance.

Shaft height	Shaft diameter	Kit	Operator	Plus
manual bollards				
625 mm	114 mm	-	RANCH R 0115-625 TILTING BOLLARD	
hydraulic bollards				
600 mm	273 mm	-	PILLAR B 275/600.6C L	LED light cap.
		-	PILLAR B 275/600.6C L - RAL	LED light cap.
		-	PILLAR B 275/600.6C LI	LED light cap. AISI 304 stainless steel version.
		-	PILLAR B 275/600.6C LI STAINLESS STEEL 316	LED light cap. AISI 316L stainless steel version.
		-	PILLAR B 275/600.6C L SD	LED light cap. Security & Device version.
		-	PILLAR B 275/600.6C L SD - RAL	LED light cap. Security & Device version.
		-	PILLAR B 275/600.6C LI SD	LED light cap. Security & Device version.
		-	PILLAR B275/600.6C LI SD STAINLESS STEEL 316	LED light cap. Security & Device version. 316L stainless steel version.
		-	PILLAR B 275/800.6C L	LED light cap.
		-	PILLAR B 275/800.6C L - RAL	LED light cap.
800 mm	273 mm	-	PILLAR B 275/800.10C L	LED light cap.
		-	PILLAR B 275/800.10C L - RAL	LED light cap.
		-	PILLAR B 275/800.10C L	LED light cap.
		-	PILLAR B 275/800.10C L - RAL	LED light cap.
		-	PILLAR B 275/800.6C LI	LED light cap. AISI 304 stainless steel version.
		-	PILLAR B 275/800.6C LI STAINLESS STEEL 316	LED lights cap. AISI 316L stainless steel version.
		-	PILLAR B 275/800.10C LI	LED light cap. AISI 304 stainless steel version.
		-	PILLAR B 275/800.10C LI STAINLESS STEEL 316	LED light cap. AISI 304 stainless steel version.
		-	PILLAR B 275/800.6C L SD	LED light cap. Security & Device version.
		-	PILLAR B 275/800.6C L SD - RAL	LED light cap. Security & Device version.
490 mm	114 mm	-	STOPPY B 115/500	Decelerates when opening and closing.
		-	STOPPY B 115/500 - RAL	Decelerates when opening and closing.
	210 mm	-	STOPPY O	MIT approved. Cap with integrated lights and buzzer. Colour RAL 7015.
		-	STOPPY O RAL	MIT approved. Cap with integrated lights and buzzer. RAL colour as requested.
	219 mm	-	STOPPY MBB KIT 219/500.C 230 L C	Cap with integrated lights and buzzer.
		-	STOPPY MBB KIT 219/500.C 230 L C - RAL	Cap with integrated lights and buzzer.
		-	STOPPY MBB KIT 219/500.C 230 LI C	Cap with integrated lights and buzzer. AISI 304 stainless steel version.
	194 mm	-	STOPPY B 200/700	Decelerates when opening and closing.
	-	STOPPY B 200/700 - RAL	Decelerates when opening and closing.	
	700 mm	210 mm	-	STOPPY H O
-			STOPPY H O LI	MIT approved. Cap with integrated lights and buzzer. AISI 304 stainless steel version.
-			STOPPY H O RAL	MIT approved. Cap with integrated lights and buzzer. RAL colour as requested.
219 mm	-	STOPPY MBB KIT 219/700.C 230 L C	Cap with integrated lights and buzzer.	
	-	STOPPY MBB KIT 219/700.C 230 L C - RAL	Cap with integrated lights and buzzer.	
	-	STOPPY MBB KIT 219/700.C 230 LI C	AISI 304 stainless steel version.	
Semi-automatic bollards				
490 mm	219 mm	-	DAMPY B 219/500 L	Cap with lights.
		-	DAMPY B 219/500 L - RAL	
700 mm	219 mm	-	DAMPY B 219/500 LI	Cap with lights. Stainless steel version.
		-	DAMPY B 219/700 L	Cap with lights.
		-	DAMPY B 219/700 L - RAL	Cap with lights.
700 mm	219 mm	-	DAMPY B 219/700 LI	Cap with lights. Stainless steel version.

XPASS B K4



- Automatic hydraulic anti-terrorism bollard, tested and certified (crash-tested) by independent body in accordance with standards IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4) suitable for protecting sensitive sites.
- Independent lateral hydraulic control unit for each bollard: if one control unit breaks, the other bollards will continue to function whilst maintenance work is also facilitated.
(Hydraulic control unit available with EFO device (Emergency Fast Operation) for rapid emergency raising, to be paired with the specific XPASS B 275/800 L SD EFO bollard)

XPASS B K4 EFO



- Automatic hydraulic anti-terrorism bollard, tested and certified (crash-tested) in accordance with standards IWA14-1:2013 and PAS 68 suitable for protecting sensitive sites.
- Independent hydraulic control unit for each bollard, with easy access for maintenance: if one control unit breaks, the other bollards will continue to function whilst maintenance work is also facilitated.

XPASS B K12



- Automatic hydraulic anti-terrorism bollard, tested and certified (crash-tested) by an independent body in accordance with standards IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4), suitable for protecting sensitive sites.
- Independent hydraulic control unit for each bollard: if one control unit breaks, the other bollards will continue to function whilst maintenance work is also facilitated.
(Hydraulic control unit available with EFO device (Emergency Fast Operation) for rapid emergency raising, to be paired with the specific XPASS B 275/800 L SD EFO bollard)

RANCH D



- Fixed anti-terrorism bollard, tested according to international standard PAS 68:2010 7500/50/N2 crash simulated.
- Suitable for protecting sensitive sites.

RANCH E



- Fixed bollard equivalent of XPASS 330/1200.
- Suitable for the protection of sensitive sites and incorporates automatic bollards into large areas.

RANCH B



- Fixed bollards used for long-term access prevention.
- Bolted to the floor for the purposes of blocking off an entrance, or a road.
- Can be combined with automatic or semi-automatic bollards.

RANCH C



- Fixed bollards used for long-term access prevention.
- Bolted to the floor for the purposes of blocking off an entrance, or a road.
- Can be combined with automatic or semi-automatic bollards.

RANCH R



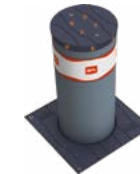
- Tilting manual bollard for reserving parking spaces.

PILLAR B 275/600-800



- 230 VAC hydraulic bollard for very intensive use with shaft height of up to 600-800 mm.
- Recommended for applications with heavy traffic, available in high security version with increased bollard thickness.

STOPPY MBB



- Electromechanical bollard with shaft diameter of 219 mm and 500/700 mm high.
- Oil bath gearbox for ensuring efficiency even with high frequency of use.
- Recommended for use in houses/apartment blocks or for traffic management/restricted traffic areas.

STOPPY B



- Complete range of automatic electromechanical retractable bollards for the protection and security of all areas that require controlled access.
- Electromechanical bollard with shaft diameter of up to 200 mm and up to 700 mm high.
- Recommended for use in homes/apartment blocks.

DAMPY B



- Gas-operated bollard with shaft diameter of up to 210 mm and up to 700 mm high.
- Recommended for use in homes/apartment blocks.



Parking systems

ESPAS 10



- Entry/exit station for parking systems for public use, able to operate in “stand-alone” mode.
- The unit can be used to control entrances and exits and can be connected to electromechanical barriers.

ESPAS 20



- System for parking solutions which can operate solely in stand-alone mode.
- The absence of connections between the system elements allows for quick installation and a high degree of modularity of peripherals to suit any situation.
- Parking information is transmitted using a 2D barcode.
- The compact design is created to improve ease of inspection without hindrance during installation and simplifying maintenance thanks to the front opening of the units.

ESPAS 30 ULTRA



- Parking system for commercial and professional applications, which can operate in wired mode via a serial RS485 or TCP/IP network.
- The high degree of modularity of the peripherals means it can be adapted to any situation, from the simplest to the most complex systems, with bookings, number plate recognition, electrical car recharging, etc.
- Operations, from entering the car park, to payment, to exiting, are accompanied by on-screen messages and audio assistance to improve the user experience.
- The parking management software allows for the simple and intuitive management of all system elements and rapid analysis of usage data.

Accessories

RADIUS LED



- The flashing signal light for automatic gates, RADIUS LED by BFT, available in the 24V and 230V versions, with or without built-in receiving antenna (433.92 MHz).
- The 24V model with built-in antenna is available in the 2 versions with a yellow or smoked grey cap.
- Thanks to LED technology, energy consumption is reduced by approximately 80% compared to models with traditional incandescent light bulbs, while extending the service life of the product.
- Possibility of installing on a surface (such as a pillar or column) or on the wall using the special accessory.
- Protection rating IP44.

KLEIO



- Complete range of remote controls, 433MHz rolling code.
- Available with 2 or 4 keys.
- Softtouch finishes.

MITTO



- Complete range of remote controls, 433MHz rolling code.
- Available with 2 or 4 keys.

Q.BO



- Range of selectors for the control of access points and/or electric users.

THEA



- Pair of orientable photocells with integrated flashing light
- 30 metre nominal flow.

DESME



- Design, innovation and technology.
- These are the messages conveyed by this range of photocells, which perfectly combine elegance, practicality, safety, ergonomics and functionality.
- 30 metre nominal flow.

COMPACTA A20-180



- Pair of adjustable photocells, designed to offer a high level of installation flexibility thanks to their compact size, the possibility to adjust the head by 90° horizontally, left and right (180° in total), and a wide input power supply range 12-33Vac and 15-35Vdc.
- 20 metre nominal range.

MURA A30



- Pair of recessed photocells, ideal solution in a stylish environment.
- Due to their small size and ability to adjust the beam means easy installation.
- Extended main supply range of 12-33Vac and 15-35Vdc.
- Nominal range 30 metres.

AKTA - ERIS



- Wired or wireless adjustable photocells with maximum range 30 m.

EBP A



- Vertical drop-down electric lock, for automated swinging gates.
- The product is an important accessory for completing the installation in order to safeguard gear motors installed on large gates.
- It is also an essential element for locking the leaves when gates are equipped with reversible operators.
- Available in 230V, 120V and in the new 24V version, it is directly connected to the control unit.
- The wide operating temperature range of -20°C +55°C allows it to be used in a large number of applications.

CLONIX



- External radio receiver in panel, 433 MHz, rolling code.
- Depending on the model, it can control 1 or 2 outputs via relays. The Ultra versions have one or more slots for B-EBA expansion cards for multi-protocol communication.

MIME



- Two-channel 433 MHz indoor receiver
2 interdependent command outputs
230 VAC power supply
30-position memory
Operating modes: monostable, bistable, timer, motor control

ECOSOL



- Ecosol is a complete solar powered system for low-voltage installations. Ideal for doors and gates that are not easily reached from the power mains, it adapts to any context thanks to compatibility with all 24V systems, both old and new.

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