

CONDOMINIUM
RESIDENTIAL
INDUSTRIAL

NEW

maximum lane opening
width

6.5-26.5 ft

opening time

1.5-6 s



B680H

Automatic barrier



- Hybrid technology: Hydraulic + Brushless motor
- Over 2,000,000 continuous use cycles without special maintenance
- Optional battery back-up
- Advantage of modular items: only one barrier model and two springs for sectional barrier arms measuring 7.5 to 27 ft, right or left version and for different speeds
- Removable covers available in 4 colors or stainless steel
- Opening speed (programmable): from 1.5 seconds for 7.5 ft barrier arms up to 6 seconds for 27 ft barrier arms.
- Easy-to-program and technologically advanced control unit: Integrated encoder (with reverse in the event of obstacle), two integrated Loop Detectors, and Master/Slave logic
- Optional: integrated flashing LED traffic light with anti-vandalism system and LED lights for barrier arm
- Compatible with 620 and 640 foundation plate

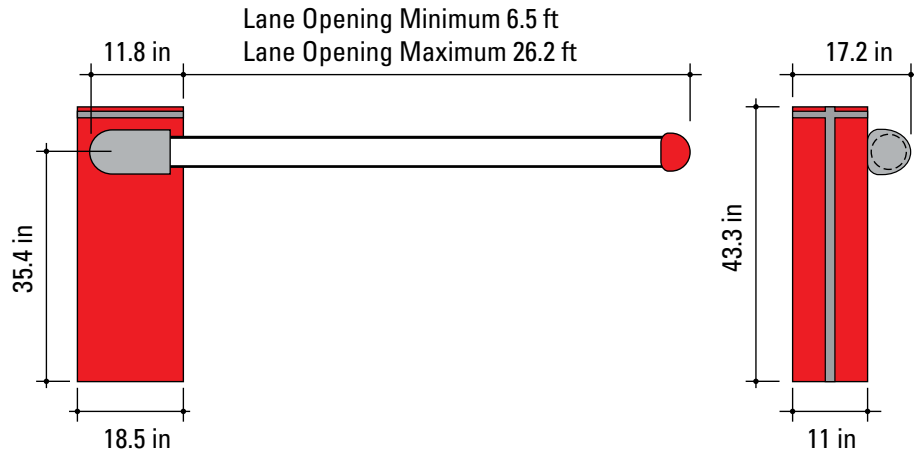
TECHNICAL SPECIFICATIONS

Power supply voltage	Switching: 100 to 240 Vac 50 (60) Hz
Electric motor	Brushless 36 Vdc
Absorbed power	240 W
Absorbed current	1.1 A (at 230 V)
Motor rotation speed	1,000 to 6,000 r.p.m.
Pump flow rate	3,2 l/min (max)
Electronic deceleration	Absolute magnetic encoder
Operating ambient temperature	-4°F - 131°F (-20°C - +55°C)
Weight	187 lb (143 lb body + 44 lb cover)
Type of oil	FAAC HP OIL
Barrier body treatment	100 micron epoxy zinc-plating anti-corrosion treatment + paint
Protection class	IP56 (TÜV certified)
Type of barrier arm	Round with safety edge and optional lights

E 680 CONTROL BOARD TECHNICAL SPECIFICATIONS

Max motor load	240 W
Accessories power supply	24 Vdc
Max accessories load	800 mA
Operating ambient temperature	- 4°F - 131°F (-20°C - +55°C)
Protection fuses	4 self-resetting
Pause time	Programmable (from 0 to 4.1 min)
Motor power	Programmable on 50 levels
Motor speed	Programmable on 50 levels
Terminal board inputs	Loop 1, Loop 2, Open, Close, Safety during closing, Stop, Emergency, Power Supply, 36VDC, Battery XBAT, BUS 2-Easy
Connector inputs	Encoder, Bar release sensor, Integrated flashing light, USB (for updating firmware)
Terminal board outputs	Flashing lamp 24V, Brushless motor, Accessories power supply 24 VDC, 4 programmable outputs (one with relay)

INSTALLATION DIMENSIONS EXAMPLE



SPECIAL S KIT OFFERINGS (FOR 6.5-16.4 FT OPENINGS)

Part No. with White RAL 9010 Cover	Part No. with Grey RAL 9006 Cover	Price
1046801WH	1046801GY	\$3,470

Above kits include: body B680H, cover, S bracket and balancing spring.

NOTE: Make sure to order the barrier arm when ordering the kit.

COVERS



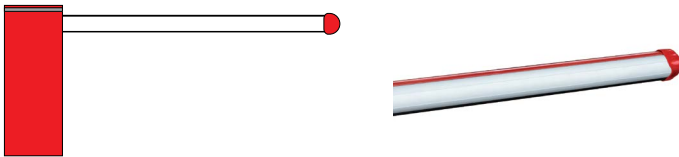
RAL 9006 Grey



RAL 9010 White

S BARRIER ARMS: UP TO 16.5 FT OPENING

One-piece S barrier arms



Model	Part number	Price
S arm 6.5 ft opening (7.5 ft barrier arm, one piece)	428045.1R 428045.1L	\$235
S arm 9.8 ft opening (10.8 ft barrier arm, one piece)	428042.1R 428042.1L	\$280
S arm 13 ft opening (14 ft barrier arm, one piece)	428043.1R 428043.1L	\$380
S arm 16.4 ft opening (17.4 ft barrier arm, one piece)	428044.1R 428044.1L	\$480

- All barrier arms are supplied with reflective stickers, protective rubber on the bottom side and are designed to fit lights on the top side.
- The barrier arm profiles feature an elliptic section for operation even in windy areas.

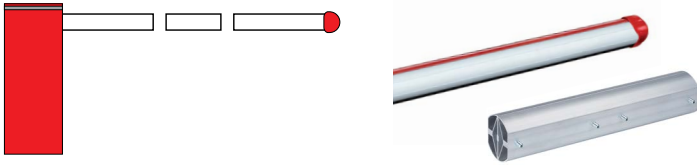
UPCHARGE FOR LIGHTS PRE-INSTALLED ON S BARRIER ARMS

Model	Part number	Price
Lights for 425045.1 S arm 6.5 ft opening	LED2M	\$165
Lights for 428042.1 S arm 9.8 ft opening	LED3M	\$185
Lights for 428043.1 S arm 13 ft opening	LED4M	\$200
Lights for 428044.1 S arm 16.4 ft opening	LED5M	\$220

Includes Lights, Connector Kit, and Assembly to Barrier Arm. Applies to complete vehicle barrier S kits and single replacement S arms

L BARRIER ARMS: FROM 16.5 FT TO 26.2 FT OPENING

Sectional L barrier arms



Model	Part number	Price
L Coupling	428616	\$84
L Barrier arm first section 13 ft	428048	\$490
L Barrier arm final section 7 ft	428049	\$435
L Barrier arm final section 10 ft	428050	\$415
L Barrier arm final section 13 ft	428051	\$520

- All barrier arms are supplied with protective rubber on the bottom side and designed to fit lights on the top side.
- The barrier arm profiles feature an elliptic section for operation even in windy areas.
- The sectional barrier arm coupling is invisible once it is installed.
- Barrier arm lights are available, but require customer assembly

CONFIGURATION EXAMPLES FOR L BARRIER ARMS

20 FT EXAMPLE:

Part No	Description	Qty
1046801	body B680H UL/CSA	1
416018	B680H cover white RAL 9010	1
428437	L bracket and balancing spring	1
428616	L coupling	1
428048	L barrier arm first section 13 ft	1
428049	L barrier arm final section 7 ft	1
490117	Reflective strip kit	4

23 FT EXAMPLE:

Part No	Description	Qty
1046801	body B680H UL/CSA	1
416018	B680H cover white RAL 9010	1
428437	L bracket and balancing spring	1
428616	L coupling	1
428048	L barrier arm first section 13 ft	1
428050	L barrier arm final section 10 ft	1
490117	Reflective strip kit	4

26 FT EXAMPLE:

Part No	Description	Qty
1046801	body B680H UL/CSA	1
416018	B680H cover white RAL 9010	1
428437	L bracket and balancing spring	1
428616	L coupling	1
428048	first section L beam 13 ft	1
428051	L arm final section 13 ft	1
490117	Reflective strip kit	5

B680H FROM 7.5 FEET TO 27 FEET

Model	Use			Control unit	Part number	Price
	Barrier arm length	Opening time	Use frequency			
Body B680H UL/CSA	From 7.5 ft to 27 ft	From 1.5 s to 6 s	Continuous (100%)	Built-in E680	1046801	\$2,890

The **B680H package without cover** includes: barrier with control unit and absolute encoder, hydraulic motion transmission system, accessories for installation, triangular release key.

NOTE: Does not include the bracket with balance spring (sold together under another part nr.).

COVERS



RAL 9006 Grey

Part number	416019
Price	\$815



RAL 9010 White

Part number	416018
Price	\$815



RAL 3020 Red

Part number	416016
Price	\$815



RAL 5011 Blue

Part number	416017
Price	\$815



RAL 9006 stainless steel

Part number	416020
Price	\$2,890

Custom Color Available*

Price	\$1,300
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BRACKET AND BALANCING SPRING



S bracket and balancing spring

Part number	428436
Price	\$350



L bracket and balancing spring

Part number	428437
Price	\$690

NOTE

* Lead time approximately 3 weeks. Call for information



Pivoting round barrier arm

Length	9.8 ft (3m)
Part number	428176
Price	\$547



**Stainless steel breakaway bracket kit with sensor
(S spring required)**

Part number	428163
Price	\$978

**Spring S
(for pivoting round barrier arms)**

Part number	63000169
Price	\$280



Foundation plate

Part number	490139
Price	\$170



Flashing light on barrier cover

Part number	410022
Price	\$255



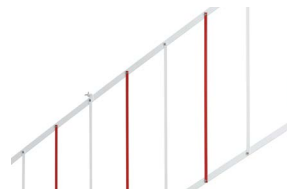
Kit for connecting S/L round barrier arm lights

Part number	390992
Price	\$56



Barrier arm lights 36 ft (11m)

Part number	390993
Price	\$200



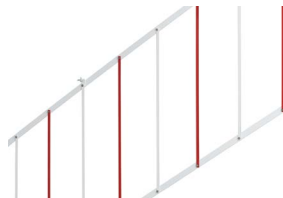
Skirt kit 6.5 ft (2m)

Part number	428441
Price	\$270



E680 electronic board

Part number	63000128
Price	\$890



Skirt kit 10 ft (3m)

Part number	428446
Price	\$400



Reflective strip kit

Part number	490117
Price	\$22



Articulated barrier arm kit for S round barrier arm 13 ft (4 m) max

Part number	428444
Price	\$760

ACCESSORIES FOR SPECIFIC USES

Anti-vandal valve for B680H (*)
It protects the hydraulic system if the barrier arm is forced

Part number	401069
Price	\$390

Anti-panic unit 230 V (*)
For manual opening of the barrier arm in the event of a power failure

Part number	401051
Price	\$944

Break out sensor for pivoting round barrier arms

Part number	390828
Price	\$152

NOTE

(*) The anti-panic unit and the anti-vandal valve cannot coexist on the same barrier.

◆ **IMPORTANT:** only use round barrier arm 428176 with this bracket

- For S beams max skirt length is 14.8 ft
- For L beams max skirt length is 24.6 ft