

# Type of installation

<b>Residential</b>	<b>615 RAPID</b>	<b>615 STANDARD</b>	<b>620 STANDARD</b>				<b>642 INOX</b>	<b>B680H</b>
<b>Condominium</b>	<b>615 RAPID</b>	<b>615 STANDARD</b>	<b>620 STANDARD</b>	<b>620 RAPID</b>			<b>642 INOX</b>	<b>B680H</b>
<b>Industrial</b>					<b>620 SR</b>	<b>640</b>	<b>642 INOX</b>	<b>B680H</b>
<b>Parking</b>				<b>620 RAPID</b>	<b>620 SR</b>		<b>642 INOX</b>	<b>B680H</b>
<b>Use frequency</b>	<b>40%</b>	<b>50%</b>	<b>70%</b>	<b>Continuous duty</b>	<b>Continuous duty</b>	<b>Continuous duty</b>	<b>Continuous duty</b>	<b>Continuous duty</b>
<b>Beam max. length (m)</b>	<b>2,50</b>	<b>5,00</b>	<b>5,00</b>	<b>4,00</b>	<b>3,00</b>	<b>7,00</b>	<b>7,00</b>	<b>8,30</b>
<b>Opening time (s)</b>	<b>3</b>	<b>6</b>	<b>from 3,5 to 4,5</b>	<b>from 2 to 3</b>	<b>from 0,8 to 2,2</b>	<b>from 4 to 8</b>	<b>from 2 to 8</b>	<b>from 1,5 to 6</b>

**FAAC**

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Automatic  
barriers

## Automatic barrier 230V for beams up to 5 m



- Hydraulic operator with opening and closing block
- Ideal for medium transit frequency and for controlling small and medium private areas
- Anti-crushing hydraulic safety device
- Manual release by triangular key
- Already equipped with limit-switches
- Accommodate use of anti-vandal valve



Also available with:

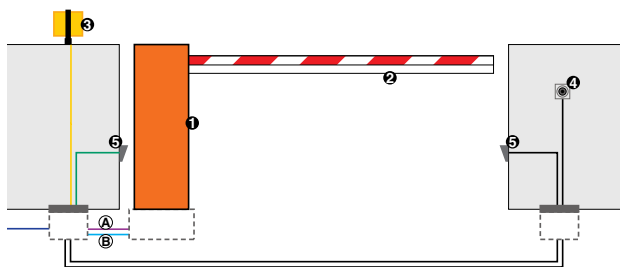
- New round beam with light support
- New RAL 9006 colour (Grey).



### DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 615 BPR

	615 BPR STD	615 BPR RAP
Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz	
Electric motor	single-phase, bi-directional	
Absorbed power	220 W	
Absorbed current	1A	
Motor rotation speed	1400 r.p.m.	2800 r.p.m.
Pump flow rate	1,5 l/min	3 l/min
Thermal protection on motor winding	120°C	
Effective torque	0 to 400 Nm	0 to 300 Nm
Operating ambient temperature	-20°C to +55°C	
Weight	34 kg	
Type of oil	FAAC HP OIL	
Barrier body treatment	100 micron epoxy zinc-plating anti-corrosion treatment	
Paint	Polyester RAL 2004 - RAL 9006	
Protection class	IP 44	
Max. consecutive cycles (at 20°)	220	340
Type of rectangular beam	standard-standard with skirt (4m) - articulated standard	standard
Dimensions (L x D x H) in mm	270 x 140 x 1015	
Thrust capacitor	8 µF 400 V	

### TYPICAL INSTALLATION EXAMPLE



#### ■ (A) Low voltage cabling

- 3 cables 3x0.5
- 1 cable 2x0.5

#### ■ (B) Power cabling (230V)

- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B: Cable sections in mm<sup>2</sup>

Ref.	Q.ty	Description of material	Item code
1	1	615 BPR standard barrier body with in-built control unit 596/615BPR	104906
	1	Foundation plate for 615	490073
	1	Fastening pocket for rectangular beam	428342
2	1	Rectangular beam 4,815 mm	428091
	1	Balancing spring wire 8	721018
	1	Receiver board RP 433 SLH	787824
	1	Two-channel transmitter XT2 433 SLH LR	787007
3	1	Flashing lamp FAACLIGHT	410013
5	1	Pair of photocells FOTOSWITCH	785152
	2	Aluminium columns for FOTOSWITCH	401028
4	1	Key-operated push-button T10	401010001/36
	2	Foundation plates for columns	737630
	1	Plastic container to be walled in	720086

#### Notes

**ATTENTION:** The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

## 615 BPR

Model	Use			Control unit	Item code
	Beam max. length (m)	Opening time (s)	Use frequency (%)		
615 BPR standard	5.00	6	50	Built-in 596/615 BPR	104906
615 BPR standard RAL 9006 Grey <b>NEW</b>	5.00	6	50	Built-in 596/615 BPR	104910
615 BPR rapid	2.50	3	40	Built-in 596/615 BPR	104907
615 BPR rapid RAL 9006 Grey <b>NEW</b>	2.50	3	40	Built-in 596/615 BPR	104911

The packages 615 include: barrier body, hydraulic transmission system complete with hydraulic control unit and double-acting piston, installation accessories, a triangular release key.

### CONTROL UNITS



**Built-in control board 596/615 BPR**  
Technical specifications page 155

### SPECIFIC ACCESSORIES



**Skirt kit (\*) length 2 m**  
(only for standard rectangular beams)

Item code 4282431



**Skirt kit (\*) length 3 m**  
(only for standard rectangular beams)

Item code 4282441



**Articulation kit - max. ceiling height 3 m**  
(only for standard rectangular beams)

Item code 428137



**Standard rectangular beams - 5 lengths:**

Length	1,815 mm
Item code	428087
Length	2,315 mm
Item code	428088
Length	2,815 mm
Item code	428089
Length	3,815 mm
Item code	428090
Length	4,815 mm
Item code	428091



**Fastening pocket for rectangular or round beams**

Rectangular beams	Item code 428342
Round beams ( <b>while stocks last</b> )	Item code 428152



**Foundation plate**

Item code 490073



**End foot for rectangular beams (\*)**

Item code 428215



**Support fork for beams**

Item code 722633

#### Notes

- **IMPORTANT:** the beam fastening pocket and the balancing spring are not included in the case and must be ordered separately. Consult "Specific Accessories" and "Balancing springs".
- (\*) For use of the skirt kit and/or end foot, we advise you to select the most suitable balancing spring (see relevant table on the following page).



**Fork support plate**

Item code 737621



**Additional triangular release key**  
(10 pcs package)

Item code 713002



**Anti-vandal valve**

Item code 401066

## S ROUND BEAMS AND SPECIFIC ACCESSORIES



### Round beams S (stickers not included)

Length	2,300 mm
Item code	428045
Length	3,300 mm
Item code	428042
Length	4,300 mm
Item code	428043
Length	5,000 mm
Item code	428002



### Fastening pocket for S 615/620 round beams

Item code 428445



### End foot for S/L round beam

Item code 428442



### Support fork for S/L round beam

Item code 728487



### Adjusting screw for S/L round beam support fork

Item code 728488



### Reflective strip kit

Item code 490117



### Kit for connecting 615 round beam lights

Item code 390081



### Luminous cord package containing 11 m

Item code 390993



### 2 m skirt kit for S/L round beam

Item code 428441

### Balancing springs for rectangular beams

Ø	Rectangular beams	Rect. beam with skirt	Rect. beam with foot	Rect. beam with skirt and foot	Item code
5,5	1,315 mm to 2,315 mm	1,315 mm to 2,315 mm	1,315 mm to 1,815 mm	1,315 mm to 1,815 mm	721008
6,0	2,316 mm to 2,815 mm	2,316 mm to 2,815 mm	1,816 mm to 2,315 mm	1,816 mm to 2,315 mm	721005
7,0	2,816 mm to 3,815 mm		2,316 mm to 2,815 mm		721006
7,5		2,816 mm to 3,815 mm		2,316 mm to 3,315 mm	721007
8,0	3,816 mm to 4,815 mm		2,816 mm to 3,815 mm		721018

### Balancing springs for S round beams with lights

NEW

Ø	S round beam with lights	S round beam with lights and foot	S round beam with lights and skirt	S round beam with lights, skirt and foot	Item code
5,5	0 to 2,300 mm	0 to 2,300 mm			721008
6,0	2,310 to 3,300 mm		0 to 2,300 mm	0 to 2,300 mm	721005
7,5	3,310 to 4,300 mm	2,310 to 3,300 mm	2,310 to 3,300 mm	2,310 to 3,300 mm	721006
8,0	4,310 to 5,000 mm	3,310 to 4,300 mm	3,310 to 4,300 mm		721018

### Balancing springs for S round beams S

NEW

Ø	S round beam	S round beam with foot	S round beam with skirt	S round beam with skirt and foot	Item code
5,5	0 to 2,300 mm	0 to 2,300 mm	0 to 2,300 mm		721008
6,0	2,310 to 3,300 mm			0 to 2,300 mm	721005
7,0	3,310 to 4,300 mm	2,310 to 3,300 mm	2,310 to 3,300 mm	2,310 to 3,300 mm	721006
8,0	4,310 to 5,000 mm	3,310 to 4,300 mm	3,310 to 4,300 mm		721018

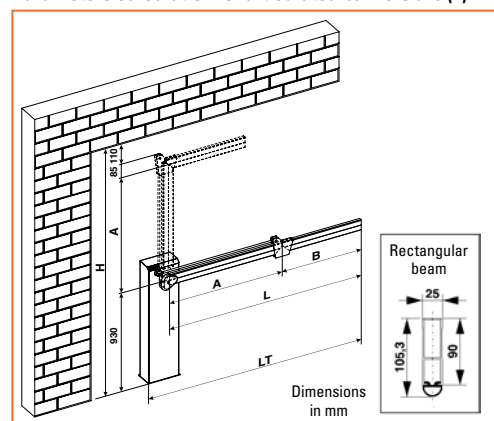
### Balancing springs for 615 BPR Rapid

Ø	Rectangular beam	Round beam	S round beam	Item code
5,5	1,315 mm to 2,315 mm	0 mm to 2,500 mm	0 mm to 2,300 mm	721008

### Balancing springs for S round beams

Ø	Round beam	Item code
5,5	1,500 mm to 3,000 mm	721008
6,0	3,001 mm to 4,000 mm	721005
7,5	4,001 mm to 5,000 mm	721006

### Parameters calculation for articulated barriers 615 (\*)



### Balancing springs for articulated barrier 615

L (mm)	A (mm)	Item code
1.815	815 to 1,314	721008
	2,815	721005
2.815	815 to 1,314	721008
	1,315 to 2,075	721005
3.815	815 to 2,075	721006

L = Beam length  
H = Floor to ceiling height (max. 3.20 m)  
A = H - 1.125 mm

#### Notes

- (\*) The 615 STANDARD barrier bodies are already designed for the articulated beam, to be constructed with the articulation kit (max ceiling height 3.20 m). See Specific Accessories for 615 on the previous page.
- IMPORTANT: the rectangular beam has a profile in anti-impact rubber; for balancing reasons, "active" safety edges cannot be installed on the beam profile.

### OTHER ACCESSORIES



**Key-operated push-buttons**  
page 166



**Photocells and Columns**  
page 171



**Safety devices**  
page 173



**Flashing lamps**  
page 174



**Transmitters**  
page 160



**Various accessories**  
page 175

### Automatic barrier 230V for beams up to 5 m

- Hydraulic operator with opening and closing block
- The ideal solution for heavy but not continuous traffic
- Electronic deceleration, patented
- The barrier statuses can be signalled to the traffic control devices
- Automatic, semi-automatic, parking, condo and custom logics
- External release with triangular key.
- Built-in detector, two independent channels.
- Bus technology



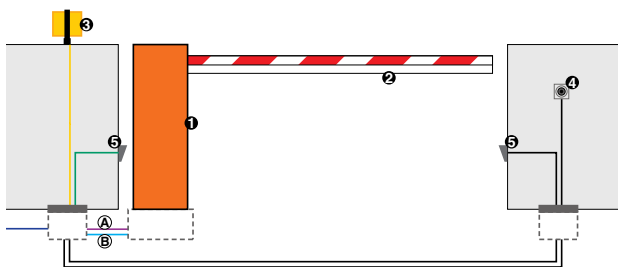
- New round beam with light support.



#### DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 620 STANDARD

Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz	Weight	73 kg
Electric motor	single-phase, bi-directional	Type of oil	FAAC HP OIL
Absorbed power	220 W	Barrier body treatment	100 micron epoxy zinc-plating anti-corrosion treatment
Absorbed current	1 A	Paint	Polyester RAL 2004
Motor rotation speed	1400 r.p.m.	Protection class	IP 44
Pump flow rate	0.75/1 l/min	Type of beam	rectangular standard - standard rectangular with skirt - articulated standard - round - pivoting round - round S
Thermal protection on motor winding	120°C	Dimensions (L x D x H) in mm	350 x 170 x 1080
Effective torque	0 to 200 / 0 to 150 Nm	Thrust capacitor	8 µF 400 V
Electronic deceleration	Adjustable with cams		
Operating ambient temperature	-20°C to +55°C		

#### TYPICAL INSTALLATION EXAMPLE



#### ■ (A) Low voltage cabling

- 3 cables 3x0.5
- 1 cable 2x0.5

#### ■ (B) Power cabling (230V)

- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B: Cable sections in mm<sup>2</sup>

Ref.	Q.ty	Description of material	Item code
1	1	620 Standard barrier body with built-in control unit 624 BLD	see following page
	1	Fastening pocket for rectangular beam	428342
	1	Foundation plate	490058
2	1	Rectangular beam 4,815 mm	428091
	1	Receiver board RP 433 SLH	787824
	1	Two-channels transmitter XT2 433 SLH LR	787007
3	1	Flashing lamp FAACLIGHT	410013
5	1	Pair of photocells FOTOSWITCH	785152
	2	Aluminium columns for FOTOSWITCH	401028
4	1	Key-operated push-button T10	401010001/36
	2	Foundation plates for columns	737630
	1	Plastic container to be walled in	720086

#### Notes

**ATTENTION:** The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

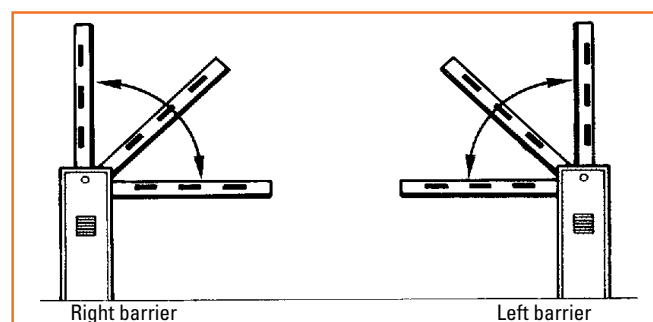
## 620 STANDARD

Model	Use			Control unit	Item code
	Beam max. length (m)	Opening time (s)	Use frequency (%)		
620 standard LH/RH	5,00	3.5 (3m) 4.5 (4m)	70	Built-in 624 BLD	See following table
620 standard articulated LH/RH	4,00 (articulated)	3.5 (3m) 4.5 (4m)	70	Built-in 624 BLD	See following table

The packages 620 standard include: barrier body - for rectangular / round / pivoting round beam (620 STD) - for rectangular articulated beam (620 STD ART.), hydraulic drive transmission system complete with balancing spring, installation accessories, a triangular release key.

## ORDER CODES TABLE FOR 620 STANDARD BARRIERS

Model	Beam profile	Beam length (mm)	LH version code	RH version code
620 STD	620 rectangular standard	1,315 to 2,055	1046268	1046468
		2,065 to 2,555	1046208	1046408
		2,565 to 3,055	1046278	1046478
		3,065 to 3,815	1046288	1046488
		3,825 to 4,815	1046228	1046428
	620 rectangular standard with skirt	1,815 to 2,805	1046208	1046408
		2,815 to 3,555	1046218	1046418
		3,565 to 3,815	1046228	1046428
		3,825 to 4,815	1047508	1047518
	620 round	1,500 to 2,740	1046268	1046468
		2,750 to 3,240	1046208	1046408
		3,250 to 4,000	1046278	1046478
		4,010 to 5,000	1046228	1046428
	NEW 620 S round	0 to 2,300 mm	1046268	1046468
		2,310 to 2,800 mm	1046208	1046408
		2,810 to 3,300 mm	1046278	1046478
		3,310 to 3,800 mm	1046288	1046488
		3,810 to 4,300 mm	1046228	1046428
		4,310 to 5,000 mm	1046228	1046128
	NEW 620 S round with skirt	0 to 2,300 mm	1046268	1046468
		2,310 to 2,800 mm	1046208	1046408
		2,810 to 3,300 mm	1046218	1046418
		3,310 to 3,800 mm	1046228	1046428
		3,810 to 4,300 mm	1047508	1047508
		4,310 to 5,000 mm	1047508	1047518
	620 pivoting round	1,500 to 2,240	1046268	1046468
		2,250 to 2,740	1046208	1046408
		2,750 to 3,000	1046278	1046478
620 STD ARTICULATED	620 rectangular articulated A(*) = 815 to 1314 mm	1,315 to 1,815	1047018	1047118
		1,825 to 2,815	1047028	1047128
		2,825 to 3,815	1047038	1047138
	620 rectangular articulated A(*) = 1315 to 1814 mm	1,825 to 2,815	1047038	1047138
		2,825 to 3,815	1047048	1047148
	620 rectangular articulated A(*) = 1815 to 2075 mm	1,825 to 2,815	1047048	1047148



### CONTROL UNITS



**Built-in control board 624 BLD**  
Technical specifications page 155

### SPECIFIC ACCESSORIES



**Articulation kit - max. ceiling height 3 m (only for standard rectangular beams)**

Item code 428137

### Notes

- You can determine right or left barrier version, by looking at the barrier from the door side (see drawing at the side). The door usually faces the inside of the property.
- IMPORTANT** the rectangular beam has a profile in anti-impact rubber; for balancing reasons, "active" safety edges cannot be installed on the beam profile.
- IMPORTANT** the beam fastening pocket is not included in the case and must be ordered separately. Consult "Specific accessories"
- (\*) A = H - 1125 (mm) where H is the floor to ceiling height.



### SPECIFIC ACCESSORIES



#### Standard rectangular beams - 5 lengths:

Length	1.815 mm
Item code	428087
Length	2.315 mm
Item code	428088
Length	2.815 mm
Item code	428089
Length	3.815 mm
Item code	428090
Length	4.815 mm
Item code	428091



#### Pivoting round beams

Length	2.500 mm
Item code	428175
Length	3.000 mm
Item code	428176



#### Fastening pocket for rectangular, round and pivoting round beams

Rectangular beams	
Item code	428342



#### Fixing pocket for pivoting round beam - (INOX)

Item code	428163
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#### End foot for rectangular beams (\*\*)

Item code	428215
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#### Support fork for beams

Item code	722633
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#### Skirt kit (only for standard rectangular beams)

Length	2.000 mm
Item code	4282431
Length	3.000 mm
Item code	4282441



#### Release lock with customised key from no. 1 to no. 36

Code from	424641 to 424676
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#### Fork support plate

Item code	737621
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#### Foundation plate

Item code	490058
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### ACCESSORIES FOR SPECIFIC USES



#### Additional triangular release key (10 pcs package)

Item code	713002
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#### Break out sensor for pivoting round beams

Item code	390828
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#### Anti-vandal valve (\*)

It protects the hydraulic system if the beam is forced

Item code	401066
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#### Anti-panic unit (\*)

For manual opening of the beam in the event of a power cut

Item code	401051
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#### Notes

- (\*) The anti-panic unit and the anti-vandal valve cannot coexist on the same barrier.
- (\*\*) For correct balancing, installing a foot on a beam and on a beam with skirt, entails selecting a barrier housing for beam lengths of over 0.5 m.

**ROUND BEAMS AND SPECIFIC ACCESSORIES**



**Round beams S  
(stickers not included)**

Length	2.300 mm
Item code	428045
Length	3.300 mm
Item code	428042
Length	4.300 mm
Item code	428043
Length	5.000 mm
Item code	428002



**Fastening pocket for S 615/620  
round beams**

Item code	428445
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**End foot for S/L round beam (\*)**

Item code	428442
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**Support fork for S/L round beam**

Item code	728487
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**Adjusting screw for S/L round  
beam support fork**

Item code	728488
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**Reflective strip kit**

Item code	490117
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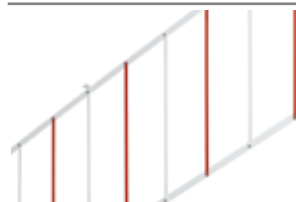
**Kit for connecting S/L  
round beam lights (\*\*)**

Item code	390992
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**Luminous cord package  
containing 11 m**

Item code	390993
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**2 m skirt kit for S/L round beam**

Item code	428441
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**Notes**

- (\*) For correct balancing, the installation of a foot on a beam with skirt requires a barrier housing for beam lengths greater than 0.5 m.
- (\*\*) For correct balancing, the installation of lights on a beam and on a beam with skirt, for lengths greater than 2,800 mm requires a barrier housing for beam lengths greater than 0.5 m.
- **N.B.** In case of beam with foot, consider 1 m (0.5 lights + 0.5 foot).
- Other accessories: see ref. from page 160

### Automatic barrier 230V for beams up to 4 m



- Hydraulic operator with opening and closing block
- The ideal solution for heavy traffic
- Electronic deceleration, patented
- The barrier statuses can be signalled to the traffic control devices
- Automatic, semi-automatic, parking logics
- External release with triangular key.
- Built-in detector, two independent channels.
- Bus technology.

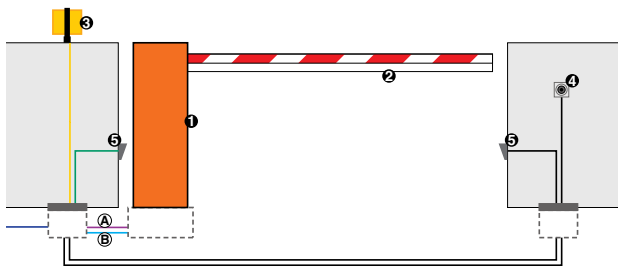


- New round beam with light support.

#### DIMENSIONS AND TECHNICAL SPECIFICATIONS 620 RAPID

Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz	Weight	73 kg
Electric motor	single-phase, bi-directional	Type of oil	FAAC HP OIL
Absorbed power	220 W	Barrier body treatment	100 micron epoxy zinc-plating anti-corrosion treatment
Absorbed current	1 A	Paint	Polyester RAL 2004
Motor rotation speed	1400 - 2800 r.p.m.	Protection class	IP 44
Pump flow rate	1.5/2 l/min	Cooling	Forced air
Thermal protection on motor winding	120°C	Type of beam	standard rect. - standard articulated rect. - round - pivoting round - S round
Effective torque	0÷100 / 0÷80 Nm	Dimensions (L x D x H) in mm	350 x 170 x 1080
Electronic deceleration	Adjustable with cams	Thrust capacitor	8 µF 400 V
Operating ambient temperature	-20°C to +55°C		

#### TYPICAL INSTALLATION EXAMPLE



#### ■ (A) Low voltage cabling

- 3 cables 3x0.5
- 1 cable 2x0.5

#### ■ (B) Power cabling (230V)

- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B: Cable sections in mm<sup>2</sup>

Ref.	Q.ty	Description of material	Item code
1	1	620 Rapid barrier body with built-in control unit 624 BLD	see following page
	1	Fastening pocket for rectangular beams	428342
	1	Foundation plate	490058
2	1	Rectangular beam 3,815 mm	428090
	1	Receiver board RP 433 SLH	787824
	1	Two-channels transmitter XT2 433 SLH LR	787007
3	1	Flashing lamp FAACLIGHT	410013
5	1	Pair of photocells FOTOSWITCH	785152
	2	Aluminium columns for FOTOSWITCH	401028
4	1	Key-operated push-button T10	401010001/36
	2	Foundation plates for columns	737630
	1	Plastic container to be walled in	720086

#### Notes

**ATTENTION:** The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

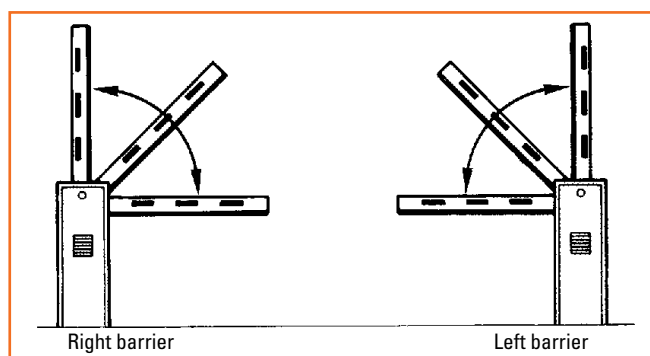
## 620 RAPID

Model	Use			Control unit	Item code
	Beam max. length (m)	Opening time (s)	Use frequency (%)		
620 rapid LH/RH STD	4.00	2 (3m) 3 (4m)	Continuous duty	Built-in 624 BLD	See following table
620 rapid articulated LH/RH	3.00 (articulated)	3	Continuous duty	Built-in 624 BLD	See following table

The packages 620 rapid include: barrier body - for rectangular / round / pivoting round beam (620 RAP.) - for rectangular articulated beam (620 RAP. ART.), hydraulic drive transmission system complete with balancing spring, installation accessories, a triangular release key.

## ORDER CODES TABLE FOR 620 RAPID BARRIER

Model	Beam profile	Beam length (mm)	LH version code	RH version code
620 RAPID	620 standard rectangular	1,315 to 2,055	1046328	1046528
		2,065 to 2,555	1046338	1046538
		2,565 to 3,055	1046348	1046548
		3,065 to 3,815	1046358	1046558
	620 round	1,500 to 2,740	1046328	1046528
		2,750 to 3,240	1046338	1046538
		3,250 to 4,000	1046348	1046548
	620 round S <b>NEW</b>	0 to 2,300 mm	1046328	1046528
		2,310 to 2,800 mm	1046338	1046538
		2,810 to 3,300 mm	1046348	1046548
	620 pivoting round	1,500 to 2,240	1046328	1046528
		2,250 to 2,740	1046338	1046538
2,750 to 3,000		1046348	1046548	
620 RAPID ARTICULATED	620 rectangular articulated A(*) = 815 to 1314 mm	1,315 to 1,815	1047208	1047308
		1,825 to 2,815	1047218	1047318
	620 rectangular articulated A(*) = 1315 to 1814 mm	1,825 to 2,815	1047228	1047328
	620 rectangular articulated A(*) = 1815 to 2075 mm	1,825 to 2,815	1047238	1047338



### Notes

- **IMPORTANT:** the beam fastening pocket is not included in the case and must be ordered separately (Specific accessories).
- (\*) A = H - 1.125 mm where H is the floor to ceiling height.
- You can determine right or left barrier version by looking at the barrier from the door side (see drawing above). The door usually faces the inside of the property.
- **IMPORTANT:** the rectangular beam has a profile in anti-impact rubber; for balancing reasons, "active" safety edges cannot be installed on the beam profile.
- A skirt kit and/or end foot cannot be installed on a round beam.

## CONTROL UNITS



**Built-in control board 624 BLD**  
Technical specifications page 155

## SPECIFIC ACCESSORIES



**Articulation kit - max. ceiling height 3 m (only for standard rectangular beams)**

Item code 428137



**Foundation plate**

Item code 490058

# 620 Rapid

## SPECIFIC ACCESSORIES



### Standard rectangular beams

Length	1.815 mm
Item code	428087
Length	2.315 mm
Item code	428088
Length	2.815 mm
Item code	428089
Length	3.815 mm
Item code	428090



### Pivoting round beams

Length	2.500 mm
Item code	428175
Length	3.000 mm
Item code	428176



### Fastening pocket for rectangular, round and pivoting round beams

Rectangular beams	
Item code	428342
(INOX) Pivoting round beams	
Item code	428163



### Release lock with customised key from no. 1 to no. 36

Code from 424641 to 424676



### Additional triangular release key (10 pcs package)

Item code 713002



### Support fork for beams

Item code 722633



### Fork support plate

Item code 737621

## ACCESSORIES FOR SPECIFIC USES



### Anti-vandal valve (\*)

It protects the hydraulic system if the beam is forced

Item code 401066



### Anti-panic unit (\*)

For manual opening of the beam in the event of a power cut

Item code 401051



### Break out sensor for pivoting round beams

Item code 390828

### Notes

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

## ROUND BEAMS AND SPECIFIC ACCESSORIES



**Round beams S**  
(stickers not included)

Length	2,300 mm
Item code	428045
Length	3,300 mm
Item code	428042



**Fastening pocket for S 615/620 round beams**

Item code	428445
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**Support fork for S/L round beam**

Item code	728487
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**Adjusting screw for S/L round beam support fork**

Item code	728488
-----------	--------



**Reflective strip kit**

Item code	490117
-----------	--------



**Kit for connecting S/L round beam lights (\*)**

Item code	390992
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**Luminous cord package containing 11 m**

Item code	390993
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### Notes

- (\*) For correct balancing, the installation of lights on a beam for lengths greater than 2,800 mm requires a barrier housing for beam lengths greater than 0.5 m.

## OTHER ACCESSORIES



**Key-operated push-buttons**  
page 166



**Photocells and Columns**  
page 171



**Safety devices**  
page 173



**Flashing lamps**  
page 174



**Transmitters**  
page 160



**Various accessories**  
page 175

# 620 TT

## Automatic barrier 230V for beams up to 3 m

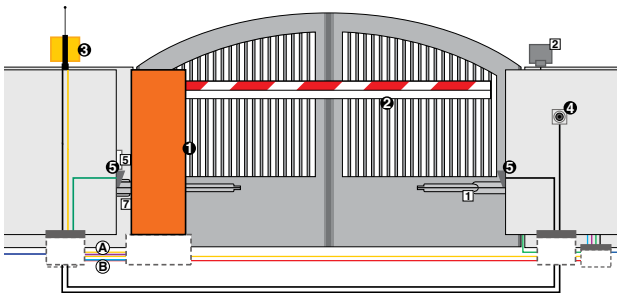
- Hydraulic operator with opening and closing block
- The ideal solution for heavy but not continuous traffic
- Electronic deceleration, patented
- The barrier statuses can be signalled to the traffic control devices
- Automatic, semi-automatic, parking, condo and custom logics
- External release with triangular key.
- **Integrated metallic mass detector**  
**Bus technology**



### DIMENSIONS AND TECHNICAL SPECIFICATIONS OF 620 STANDARD LH/RH

Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz	Weight	73 kg
Electric motor	single-phase, bi-directional	Type of oil	HP OIL
Absorbed power	220 W	Barrier body treatment	Cataphoresis
Absorbed current	1 A	Paint	Polyester RAL 2004
Motor rotation speed	2800 r.p.m.	Protection class	IP 44
Pump capacity	3,0 l/min	Cooling	Forced air
Thermal protection on motor winding	120 °C	Type of beam	rectangular standard- pivoting round
Effective torque	0-200 / 0-150 Nm	Dimensions (L x D x H) in mm	350 x 170 x 1080
Electronic deceleration	Adjustable with cams	Thrust capacitor	8 µF 400 V
Operating ambient temperature	-20 °C to +55 °C		

### TYPICAL INSTALLATION EXAMPLE



#### ■ (A) Low voltage cabling

- 3 cables 3x0.5
- 1 cable 2x0.5

#### ■ (B) Power cabling (230 V)

- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B: Cable sections in mm<sup>2</sup>

Ref.	Q.ty	Description	Item code
1	1	620 barrier with built-in control unit 624 BLD	104654866
	1	Fastening pocket for rectangular beams	428342
	1	Foundation plate	490058
	1	Rectangular beam 2815 mm	428089
2	1	Receiver board RP433SLH	787824
	1	Two-channels transmitter XT2433 SLH LR	787007
	1	Flashing lamp FAACLIGHT	410013
3	1	Pair of photocells FOTOSWITCH	401028
5	1	Key-operated push-button T10	401010001/36

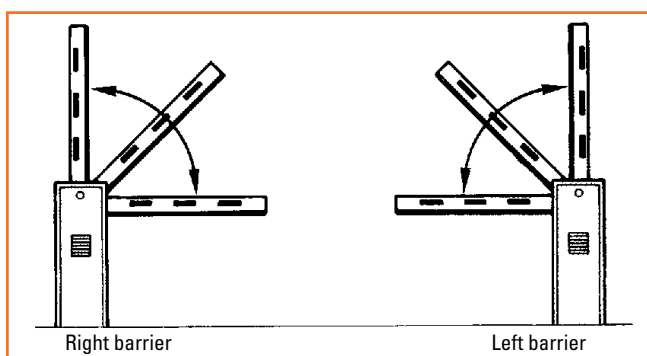
#### Notes

ATTENTION: The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

Model	Use			Control unit	Item code
	Beam max. length (m)	Opening time (s)	Use frequency (%)		
620 TT RH rectangular RH round RH pivoting round	2 m - 2,5 m 2,5 m - 3 m 2,25 m - 2,74 m	1,4	100	built-in 624 BLD	104653866
620 TT LH rectangular LH round LH pivoting round	2 m - 2,5 m 2,5 m - 3 m 2,25 m - 2,74 m	1,4	100	built-in 624 BLD	104633866
620 TT RH pivoting round RH rectangular	2,75 m - 3 m 3 m	1,4	100	built-in 624 BLD	104654866

The packages 620TT include: barrier body for rectangular / pivoting round beam, hydraulic drive transmission system complete with balancing spring, installation accessories, a triangular release key.



### Notes

- **IMPORTANT:** the beam fastening pocket is not included in the case and must be ordered separately. Consult "specific accessories". You can determine right or left barrier version by looking at the barrier from the door side (see drawing above). The door usually faces the inside of the property.

## SPECIFIC ACCESSORIES



Foundation plate

Item code 490058



Rectangular beams standard

Length	2,815 mm
Item code	428089
Length	2,315 mm
Item code	428088



Pivoting round beams

Length	3,000 mm
Item code	428176
Length	2,500 mm
Item code	428175



Fastening pocket for rectangular, round and pivoting round beams

Rectangular beams

Item code 428342

Round beams

Item code 428152

Pivoting round beams (INOX)

Item code 428163

## CONTROL UNITS



Built-in control board 624 BLD  
Technical specifications page 155

## OTHER ACCESSORIES



Key-operated push-buttons  
page 166



Photocells and Columns  
page 171



Safety devices  
page 173



Flashing lamps  
page 174



Transmitters  
page 160



Various accessories  
page 175



# Automatic barrier 230V

for beams up to 3 m

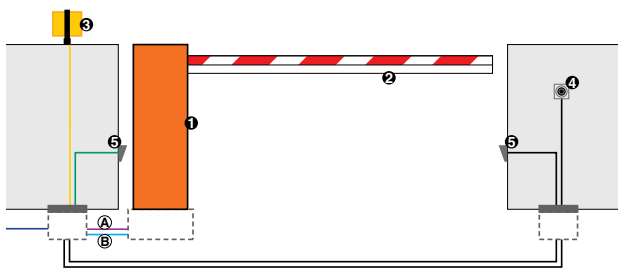


- Hydraulic operator with opening and closing block
- External release system with triangular key
- Adjustable hydraulic deceleration
- Carrying housing in steel with cataphoresis treatment and polyester paint (STD models) or stainless steel AISI 316 L (inox models).
- Built-in detector, two independent channels.
- Bus technology.

### DIMENSIONS AND TECHNICAL SPECIFICATIONS 620 SR

Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz	Weight	80 kg
Electric motor	single-phase, bi-directional	Type of oil	FAAC HP OIL
Absorbed power	220 W	Barrier body treatment	100 micron epoxy zinc-plating anti-corrosion treatment
Absorbed current	1 A	Paint	Polyester RAL 2004/inox
Motor rotation speed	2800 r.p.m.	Protection class	IP 44
Pump flow rate	3 l/min	Cooling	Forced air
Thermal protection on motor winding	130°C	Type of beam	rectangular - round - pivoting round
Electronic deceleration	Adjustable with cams	Dimensions (L x D x H) in mm	380 x 200 x 1080
Operating ambient temperature	-20°C to +55°C		

### TYPICAL INSTALLATION EXAMPLE



#### ■ (A) Low voltage cabling

- 3 cables 3x0.5
- 1 cable 2x0.5

#### ■ (B) Power cabling (230V)

- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B: Cable sections in mm<sup>2</sup>

Ref.	Q.ty	Description of material	Item code
1	1	620 SR barrier body with built-in control unit 624 BLD	see following page
	1	Fastening pocket for rectangular beams	428344
	1	Foundation plate	490059
2	1	Rectangular beam 2,815 mm	428089
	1	Receiver board RP 433 SLH	787824
	1	Two-channels transmitter XT2 433 SLH LR	787007
3	1	Flashing lamp FAACLIGHT	410013
4	1	Pair of photocells FOTOSWITCH	785152
	2	Aluminium columns for FOTOSWITCH	401028
	1	Key-operated push-button T10	401010001/36
	2	Foundation plates for columns	737630
	1	Plastic container to be walled in	720086

#### Notes

**ATTENTION:** The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

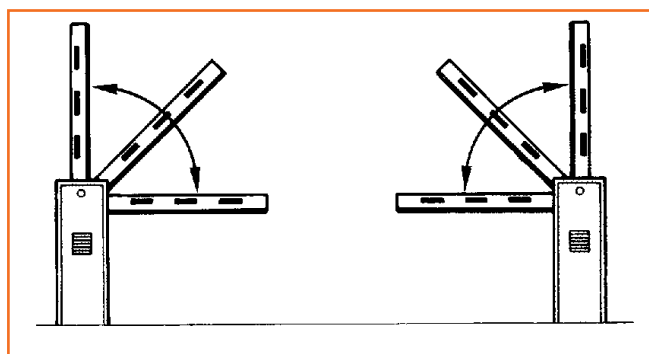
## 620 SR

Model	Use			Control unit	Item code
	Beam max. length (m)	Opening time (s)	Use frequency (%)		
620 SR LH/RH (0,8/0,8 s) STD	2.815	0,8/0,8	Continuous duty	Built-in 624 BLD	See following table
620 SR LH/RH (0,8/2,2 s) STD	2.815	0,8/2,2	Continuous duty	Built-in 624 BLD	See following table
620 SR LH/RH (0,8/0,8 s) INOX	2.815	0,8/0,8	Continuous duty	Built-in 624 BLD	See following table
620 SR LH/RH (0,8/2,2 s) INOX	2.815	0,8/2,2	Continuous duty	Built-in 624 BLD	See following table

The packages 620 SR include: barrier body - for rectangular / round / pivoting round beam - for rectangular articulated beam, hydraulic drive transmission system complete with balancing spring, installation accessories, a triangular release key.

### ORDER CODES TABLE FOR 620 SR BARRIER

Model	Beam profile	Beam length (mm)	LH version code	RH version code
620 SR (0,8/0,8 s) STANDARD	620 rectangular	2.065 to 2.305	104781	104761
		2.315 to 2.815	104780	104760
	620 round	2.500 to 3.000	104781	104761
	620 pivoting round	2.250 to 3.000	104781	104761
620 SR (0,8/2,2 s) STANDARD	620 rectangular	2.250 to 2.490	104791	104771
		2.500 to 3.000	104790	104770
	620 round	2.500 to 3.000	104791	104771
	620 pivoting round	2.250 to 3.000	104791	104771
620 SR (0,8/0,8 s) INOX	620 rectangular	2.065 to 2.305	104821	104801
		2.315 to 2.815	104820	104800
	620 round	2.500 to 3.000	104821	104801
	620 pivoting round	2.250 to 3.000	104821	104801
620 SR (0,8/2,2 s) INOX	620 rectangular	2.065 to 2.305	104831	104811
		2.315 to 2.815	104830	104810
	620 round	2.500 to 3.000	104831	104811
	620 pivoting round	2.250 to 3.000	104831	104811



Right barrier

Left barrier

#### Notes

- **IMPORTANT:** the beam fastening pocket is not included in the case and must be ordered separately (Specific accessories).
- (\*)  $A = H - 1125$  mm where H is the floor to ceiling height.
- You can determine right or left barrier version by looking at the barrier from the door side (see drawing above). The door usually faces the inside of the property.
- **IMPORTANT:** the rectangular beam has a profile in anti-impact rubber; for balancing reasons, "active" safety edges cannot be installed on the beam profile.
- A skirt kit and/or end foot cannot be installed on a round beam.

### CONTROL UNITS



**Built-in control board 624 BLD**  
Technical specifications page 155

### SPECIFIC ACCESSORIES



**Foundation plate**

Item code 490059

# 620 SR

## SPECIFIC ACCESSORIES



### Standard rectangular beams

Length	2,315 mm
Item code	428088
Length	2,815 mm
Item code	428089



### Pivoting round beams

Length	2,500 mm
Item code	428175
Length	3,000 mm
Item code	428176



### Fastening pocket for rectangular, round and pivoting round beams

Rectangular beams	
Item code	428344
(INOX) Round beams	
Item code	428153
(INOX) Pivoting round beams	
Item code	428163



### Release lock with customised key from no. 1 to no. 36

Code from 424641 to 424676



### Additional triangular release key (10 pcs package)

Item code 713002



### Support fork for beams

Item code 722633



### Fork support plate

Item code 737621

## ACCESSORIES FOR SPECIFIC USES



### Anti-vandal valve (\*)

It protects the hydraulic system if the beam is forced

Item code 401066



### Anti-panic unit (\*)

For manual opening of the beam in the event of a power cut

Item code 401051



### Break out sensor for pivoting round beams

Item code 390828

### Notes

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

## OTHER ACCESSORIES



Key-operated push-buttons  
page 166



Photocells and Columns  
page 171



Safety devices  
page 173



Flashing lamps  
page 174



Transmitters  
page 160



Various accessories  
page 175

# Automatic barrier 230V

for beams up to 7 m



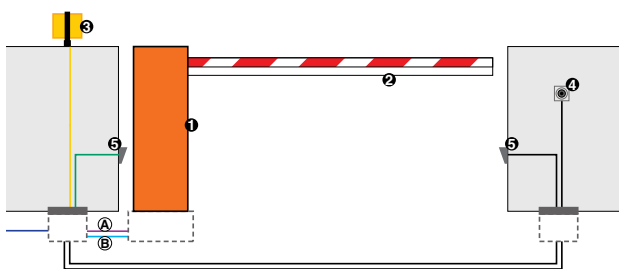
- Hydraulic with opening and closing block
- External release with triangular key
- The right solution for large industrial accesses, with particularly demanding use
- Electronic deceleration, patented
- The barrier statuses can be signalled to the traffic control devices.
- Built-in detector, two independent channels.
- Bus technology.

## DIMENSIONS AND TECHNICAL SPECIFICATIONS 640

Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz
Electric motor	single-phase, bi-directional
Absorbed power	220 W
Absorbed current	1 A
Motor rotation speed	1400 - 2800 r.p.m.
Pump flow rate	0.75 - 1 - 1.5 - 2 l/min
Thermal protection on motor winding	120°C
Effective torque	0÷470/0÷340/0÷250/0÷210 Nm
Electronic deceleration	Adjustable with cams
Operating ambient temperature	-20°C to +55°C

Weight	84 kg
Type of oil	FAAC HP OIL
Barrier body treatment	100 micron epoxy zinc-plating anti-corrosion treatment
Paint	Polyester RAL 2004
Protection class	IP 44
Cooling	Forced air
Type of beam	rectangular - rectangular with skirt
Dimensions (L x D x H) in mm	380 x 200 x 1080
Thrust capacitor	8 µF 400 V

## TYPICAL INSTALLATION EXAMPLE



### ■ (A) Low voltage cabling

- 3 cables 3x0.5
- 1 cable 2x0.5

### ■ (B) Power cabling (230V)

- 1 cable 2x1.5+T
- 1 cable 2x1.5

N.B.: Cable sections in mm<sup>2</sup>

Ref.	Q.ty	Description of material	Item code
①	1	640 barrier body with built-in control unit 624 BLD	see following page
	1	Fastening pocket for rectangular beams	428154
	1	Foundation plate	490059
	1	Support fork	722633
②	1	Rigid beam 7 m	428064
③	1	Receiver board RP 433 SLH	787824
	1	Two-channels transmitter XT2 433 SLH LR	787007
④	1	Flashing lamp FAACLIGHT	410013
⑤	1	Pair of photocells FOTOSWITCH	785152
⑥	2	Aluminium columns for FOTOSWITCH	401028
⑦	1	Key-operated push-button T10	401010001/36
	2	Foundation plates for columns	737630
	1	Support plate for fork	737621
	1	Plastic container to be walled in	720086

### Notes

**ATTENTION:** The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).

- The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

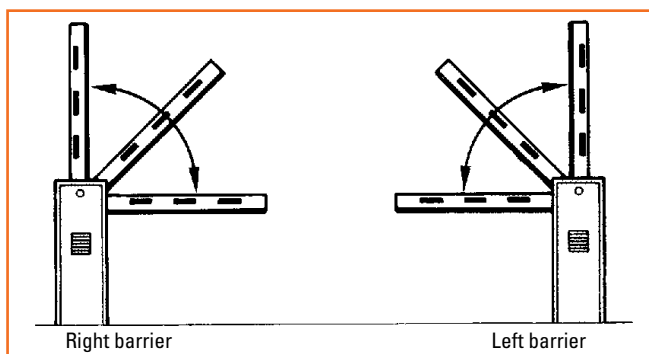
## 640

Model	Use			Control unit	Item code
	Beam max. length (m)	Opening time (s)	Use frequency (%)		
640 LH/RH	7,00	4 (5m)	Continuous duty	Built-in 624 BLD	See following table

The packages 640 include: barrier body, hydraulic drive transmission system complete with balancing spring, installation accessories, a triangular release key.

### ORDER CODES TABLE FOR BARRIER 640

Model	Beam profile	Beam length (mm)	LH version code	RH version code
640	640 rectangular	3.750 to 4.240	1046828	1046608
		4.250 to 5.240	1046838	1046618
		5.250 to 6.740	1046848	1046628
		6.750 to 7.000	1046858	1046638
	640 rectangular with skirt	3.750 to 4.740	1046898	1046688
		4.750 to 5.240	1046908	1046698
		5.250 to 5.740	1046858	1046638
		5.750 to 7.000	1046918	1046708



#### Notes

- **IMPORTANT:** the beam fastening pocket is not included in the case and must be ordered separately. Consult "specific accessories". You can determine right or left barrier version by looking at the barrier from the door side (see drawing above). The door usually faces the inside of the property.

### CONTROL UNITS



**Built-in control board 624 BLD**  
Technical specifications page 155

### SPECIFIC ACCESSORIES



**Skirt kit (\*) length 2 m**  
(only for standard rectangular beams)

Item code 4282431



**Skirt kit (\*) length 3 m**  
(only for standard rectangular beams)

Item code 4282441



**Fastening pocket for rectangular beam**

Item code 428154

## SPECIFIC ACCESSORIES



**Standard rectangular beams**

Length	4.000 mm
Item code	428061
Length	5.000 mm
Item code	428062
Length	6.000 mm
Item code	428063
Length	7.000 mm
Item code	428064



**Foundation plate**

Item code 490059



**Support fork for beams**

Item code 722633



**Fork support plate**

Item code 737621



**Release lock with customised key from no. 1 to no. 36**

Code from 424681 al 424716



**Additional triangular release key (10 pcs package)**

Item code 713002



**End foot for rectangular beams (\*\*)**

Item code 428215

## ACCESSORIES FOR SPECIFIC USES



**Anti-vandal valve (\*)**

It protects the hydraulic system if the beam is forced

Item code 401066



**Anti-panic unit (\*)**

For manual opening of the beam in the event of a power cut

Item code 401051

### Notes

- (\*) The anti-panic unit and the anti-vandal valve cannot coexist on the same barrier.
- (\*\*) For correct balancing, installing a foot on a standard rectangular beam and on a standard rectangular beam with skirt, entails selecting a barrier housing for beam lengths of over 0.5 m.

## OTHER ACCESSORIES



**Key-operated push-buttons**  
page 166



**Photocells and Columns**  
page 171



**Safety devices**  
page 173



**Flashing lamps**  
page 174



**Transmitters**  
page 160



**Various accessories**  
page 175

## Automatic barrier 230V

for beams up to 7 m



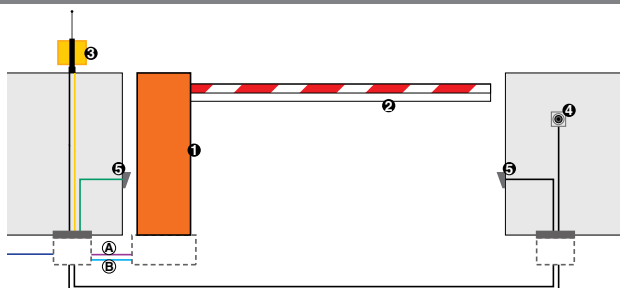
- Hydraulic with opening and closing block
- Versions for all types of traffic (heavy or less than heavy)
- High resistance against any environmental aggression
- Electronic deceleration, patented
- The barrier statuses can be signalled to the traffic control devices
- Carrying housing in stainless steel.
- Built-in detector, two independent channels.
- Bus technology.
- **New round beam with light support (up to 5 m).**



### DIMENSIONS AND TECHNICAL SPECIFICATIONS 642 INOX

	642 STD / 40	642 R / 40	642 / 70
Power supply voltage	230 Vac (+6% -10%) 50 (60) Hz		
Electric motor	single-phase, bi-directional		
Absorbed power	220 W		
Absorbed current	1 A		
Motor rotation speed	1400 r.p.m.	1400 - 2800 r.p.m.	
Pump flow rate	0.75 l/min - 0.75-1 l/min	1.5 - 2 l/min	0.75 - 1 - 1.5 - 2 l/min
Thermal protection on motor winding	120°C		
Effective torque	0 to 200 / 0 to 150 Nm	0÷110 / 0÷90 Nm	0÷470/0÷340/0÷250/0÷210 Nm
Deceleration	Adjustable with cams		
Operating ambient temperature	-20°C to +55°C		
Weight	76 kg		84 kg
Type of oil	FAAC HP OIL		
Carrying housing	INOX		
Protection class	IP 44		
Cooling	Forced air		
Type of beam	rectangular - rect. with skirt - round - pivoting round - round S	rectangular - round pivoting round - round S	rectangular rectangular with skirt
Dimensions (L x D x H) in mm	345 x 200 x 1080		
Thrust capacitor	8 µ 400 V		

### TYPICAL INSTALLATION EXAMPLE



- **(A) Low voltage cabling**  
■ 3 cables 3x0.5  
■ 1 cable 2x0.5
- **(B) Power cabling (230V)**  
■ 1 cable 2x1.5+T  
■ 1 cable 2x1.5

N.B: Cable sections in mm<sup>2</sup>

#### Notes

ATTENTION: The configuration does not include the safety devices (i.e.: active or passive safety edges) that are to be determined according to the specific "risk analysis" of each installation (Ref.: UNI-EN 12445 and 12453 European Standards).• The indicated price does not include the installation costs and the expenses for masonry, electrical and metalwork preparations.

Ref.	Q.ty	Description of material	Item code
1	1	642 Barrier body with built-in control unit 624 BLD	see following page
	1	Fastening pocket for rectangular beam 640	428155
	1	Foundation plate	490059
	1	Support fork	722633
2	1	Rigid beam 7 mm	428064
	1	Receiver board RP 433 SLH	787824
	1	Two-channels transmitter XT2 433 SLH LR	787007
3	1	Flashing lamp FAACLIGHT	410013
5	1	Pair of photocells FOTOSWITCH	785152
	2	Aluminium columns for FOTOSWITCH	401028
4	1	Key-operated push-button T10	401010001/36
	2	Foundation plates for columns	737630
	1	Fork support plate	737621
	1	Plastic container to be walled in	720086

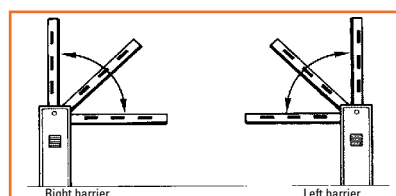
## 642 INOX

Model	Use			Control unit	Item code
	Beam max. length (m)	Opening time (s)	Use frequency (%)		
642 std/40 LH / RH	3.815	3,5 (3m) 4,5 (4m)	70	Built-in 624 BLD	See following table
642 r/40 LH / RH	3.815	<2 (3m)	100	Built-in 624 BLD	See following table
642 /70 LH / RH	7.000	<3 (4m) 4 (5m) 5,5 (6m) 8 (7m)	100	Built-in 624 BLD	See following table

The packages 642 include: barrier body, hydraulic drive transmission system complete with balancing spring - for rectangular/round/pivoting round beam max 4 m (642 STD/40) - for rectangular/round/pivoting round beam max 4 m (642 R/40) - for rectangular beam max 7 m (642/70), installation accessories, a triangular release key.

### ORDER CODES TABLE FOR 642 INOX RAPID BARRIER

Model	Beam profile	Beam length (mm)	LH version code	RH version code
642 STD/40	620 rectangular	1,315 to 2,055	10462681	10464681
		2,065 to 2,555	10462081	10464081
		2,565 to 3,055	10462781	10464781
		3,065 to 3,815	10462881	10464881
	620 rectangular with skirt	1,815 to 2,805	10462081	10464081
		2,815 to 3,555	10462181	10464181
		3,565 to 3,815	10462281	10464281
	620 round	1,500 to 2,740	10462681	10464681
		2,750 to 3,240	10462081	10464081
		3,250 to 4,000	10462781	10464781
	NEW 620 round S	0 to 2,300 mm	10462681	10464681
		2,310 to 2,800 mm	10462081	10464081
		2,810 to 3,300 mm	10462781	10464781
		3,310 to 3,800 mm	10462881	10464881
	NEW 620 round S with skirt	3,810 to 4,300 mm	10462281	10464281
		0 to 2,300 mm	10462681	10464681
		2,310 to 2,800 mm	10462081	10464081
		2,810 to 3,300 mm	10462181	10464181
	620 pivoting round	3,310 to 3,800 mm	10462281	10464281
		3,810 to 4,300 mm	10475081	10475081
1,500 to 2,240		10462681	10464681	
2,250 to 2,740		10462081	10464081	
642 R/40	620 rectangular	2,750 to 3,000	10462781	10464781
		1,315 to 2,055	10463281	10465281
		2,065 to 2,555	10463381	10465381
		2,565 to 3,055	10463481	10465481
	620 round	3,065 to 3,815	10463581	10465581
		1,500 to 2,740	10463281	10465281
		2,750 to 3,240	10463381	10465381
	NEW 620 round S	3,250 to 4,000	10463481	10465481
		0 to 2,300 mm	10463281	10465281
		2,310 to 2,800 mm	10463381	10465381
		2,810 to 3,300 mm	10463481	10465481
	620 pivoting round	3,310 to 3,800 mm	10463581	10465581
1,500 to 2,240		10463281	10465281	
2,250 to 2,740		10463381	10465381	
2,750 to 3,000		10463481	10465481	
642 /70	640 rectangular	3,750 to 4,240	10468281	10466081
		4,250 to 5,240	10468381	10466181
		5,250 to 6,740	10468481	10466281
		6,750 to 7,000	10468581	10466381
	640 rectangular with skirt	3,750 to 4,740	10468981	10466881
		4,750 to 5,240	10469081	10466981
		5,250 to 5,740	10468581	10466381
		5,750 to 7,000	10469181	10467081



#### Notes

- You can determine right or left barrier version by looking at the barrier from the door side (see drawing above). The door usually faces the inside of the property.
- A skirt kit and/or end foot cannot be installed on a round beam.
- The beam fastening pocket is not included in the case and must be ordered separately. Consult "Specific accessories".



## CONTROL UNITS



**Built-in control board 624 BLD**  
Technical specifications page 155

## SPECIFIC ACCESSORIES



**Foundation plate**

Item code 490059



**Additional triangular release key**  
(10 pcs package)

Item code 713002



**Release lock with customised key**  
from no. 1 to no. 36

Code from 424681 al 424716



**620 rectangular beams (642/40)**

Length	1,815 mm
Item code	428087
Length	2,315 mm
Item code	428088
Length	2,815 mm
Item code	428089
Length	3,815 mm
Item code	428090



**640 rectangular beams (642/70)**

Length	4,000 mm
Item code	428061
Length	5,000 mm
Item code	428062
Length	6,000 mm
Item code	428063
Length	7,000 mm
Item code	428064



**Pivoting round beams**

Length	2,500 mm
Item code	428175
Length	3,000 mm
Item code	428176



**Fastening INOX pocket**  
for rectangular beams (642/70)

Item code 428155



**Fastening INOX pocket**  
for round beams (642/40)

Item code 428153



**Fastening INOX pocket**  
for pivoting round beams (642/40)

Item code 428163



**Fastening pocket**  
for rectangular beam (642/40)

Item code 428342



**Skirt kit**  
(only for standard rectangular beams)

Length	2,000 mm
Item code	4282431
Length	3,000 mm
Item code	4282441



**End foot for rectangular beams (\*)**

Item code 428215



**Support fork for beams**

Item code 722633

**Fork support plate**

Item code 737621

**Break out sensor for pivoting round beams**

Item code 390828

### Notes

- (\*) For correct balancing, installing a foot on a beam and on a beam with skirt, entails selecting a barrier housing for beam lengths of over 0.5 m.

## ROUND BEAM AND SPECIFIC ACCESSORIES



**Round beams S**  
(stickers not included)

Length	2.300 mm
Item code	428045
Length	3.300 mm
Item code	428042
Length	4.300 mm
Item code	428043



**Fastening pocket for S 615/620 round beams**

Item code 428445



**End foot for S/L round beam (\*\*)**

Item code 428442



**Support fork for S/L round beam**

Item code 728487



**Adjusting screw for S/L round beam support fork**

Item code 728488



**Reflective strip kit**

Item code 490117



**Kit for connecting S/L round beam lights (\*\*\*)**

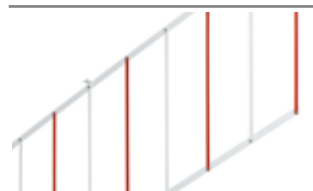
Item code 390992



**Luminous cord package containing 11 m**

Item code 390993

## ACCESSORIES FOR SPECIFIC USES



**2 m skirt kit for S/L round beam**

Item code 428441



**Anti-vandal valve (\*)**  
It protects the hydraulic system if the beam is forced

Item code 401066



**Anti-panic unit (\*)**  
For manual opening of the beam in the event of a power cut

Item code 401051

### Notes

- (\*) The anti-panic unit and the anti-vandal valve cannot coexist on the same barrier.
- (\*\*) For correct balancing, installing a foot on a beam and on a beam with skirt, entails selecting a barrier housing for beam lengths of over 0.5 m.
- (\*\*\*) For correct balancing, the installation of lights on a beam and on a beam with skirt, for lengths greater than 2,800 mm requires a barrier housing for beam lengths greater than 0.5 m. **N.B.** In case of beam with foot, consider 1 m (0.5 lights + 0.5 foot).

## OTHER ACCESSORIES



**Key-operated push-buttons**  
page 166



**Photocells and Columns**  
page 171



**Safety devices**  
page 173



**Flashing lamps**  
page 174



**Transmitters**  
page 160



**Various accessories**  
page 175

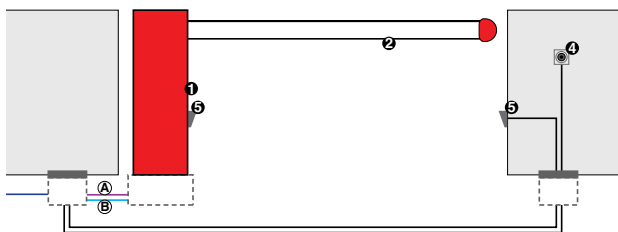
## Hybrid automatic barrier 24V for beams measuring 2 to 8 m



- Hybrid technology: Hydraulic + Brushless motor
- Barrier with "unlimited" springs: over 2,000,000 continuous use cycles without special maintenance
- Extreme logistics optimisation: only one barrier model and two springs for sectional beams measuring 2 to 8 m, right or left version and for different speeds
- Removable housing available in 4 colours or stainless steel
- High opening speed (selectable electronically): from 1.5 seconds for 2 m gateways up to 6 seconds for 8 m gateways.
- Easy-to-program and technologically advanced control unit: Integrated encoder (with reverse in the event of obstacle), two integrated Loop Detectors, assorted Master/Slave logics and management (opposing barriers)
- Integrated flashing LED traffic light with anti-vandalism system and LED lights for beam (accessories)
- Compatible with 620 and 640 foundation plate (Retrofit)



### TYPICAL INSTALLATION EXAMPLE



- **(A) Low voltage cabling**  
■ 3 cables 3x0.5
- **(B) Power cabling (230V)**  
■ 1 cable 2x1.5+T

N.B: Cable sections in mm<sup>2</sup>

Ref.	Q.ty	Description of material	Item code
1	1	B680 barrier body with built-in E680 control unit	104680
1	1	RAL 3020 Red housing	416016
1	1	Foundation plate	490139
1	1	L pocket and balance spring	428437
2	1	L coupling	428616
2	1	Initial beam L 4 m	428048
2	1	Final beam L 4.3 m	428051
1	1	Integrated flashing traffic light	410022
	1	Beam light connection kit	390992
	1	LED luminous cord package containing 11 m	390993
1	1	RP 433 SLH receiver board	787824
	1	XT2433 SLH LR two-channel transmitter	787007
5	1	XP15B photocell pair	785149
	1	Aluminium columns for XP 15B (maximum height 628 mm)	401039
	1	Found. plate for XP15B columns	737637
4	1	T10 key button	401010001/36
	1	Support fork for beams S/L	728487
	1	Fork support plate	737621
	1	Reflective strip kit	490117

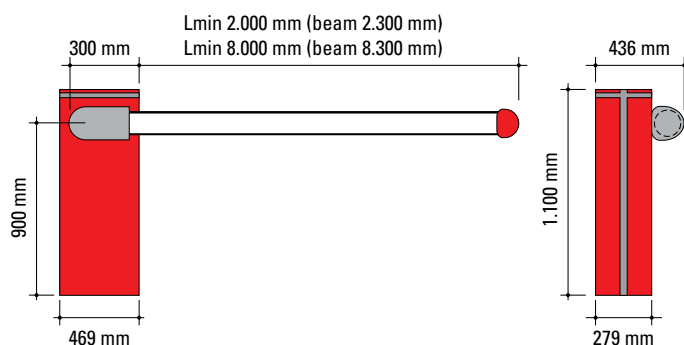
## B680H from 2 m to 8 m

Model	Use			Control unit	Item code
	Beam length (m)	Opening time (s)	Use frequency (%)		
Upright B680H	From 2.3 m to 8.3 m	From 1.5 s (2 m) to 6 s (8 m)	Continuous (100%)	Built-in E680	104680

**The B680H upright package includes:** barrier upright with control unit and absolute encoder, hydraulic motion transmission system, accessories for installation, triangular release key.  
It DOES NOT include the pocket and balance spring (sold together under another part nr.).

### DIMENSIONS AND TECHNICAL SPECIFICATIONS B680H

Power supply voltage	100 to 240 Vac 50 (60) Hz
Electric motor	Brushless 36 Vdc
Absorbed power	240 W
Absorbed current	1.1 A (a 230 V)
Motor rotation speed	1,000 to 6,000 r.p.m.
Pump flow rate	3,2 l/min (max)
Electronic deceleration	Absolute encoder
Operating ambient temperature	-20°C to +55°C
Weight	85 kg (65 kg upright + 20 kg housing)
Type of oil	FAAC HP OIL
Barrier body treatment	100 micron epoxy zinc-plating anti-corrosion treatment + paint
Protection class	IP44
Type of beam	Round with safety edge and designed to fit lights
Dimensions (L x D x H) in mm	469x279x1100 (see drawing )



### CONTROL UNITS



**Built-in E680 electronic board**  
Technical specifications page 156

### SPECIFIC ACCESSORIES



**RAL 3020 Red housing**  
Item code 416016



**RAL 5011 Blue housing**  
Item code 416017



**RAL 9010 White housing**  
Item code 416018



**RAL 9006 Grey housing**  
Item code 416019



**RAL 9006 stainless steel housing**  
Item code 416020

### S: UP TO 5 m PASSAGE (5.3 m BEAM)

Accessories for S round beams depending on net gateway clearance	Lights	Skirt	Foot
up to 4.5 m	X	X	X
from 4.5 to 5 m	X		
from 4.5 to 5 m sectional (with coupling)			

- All beams are supplied with protective rubber on the bottom side and designed to fit lights on the top side. Reflective strips are not included.
- The beam profiles feature an elliptic section for operation even in windy areas.
- The sectional beam coupling is invisible once it is installed.

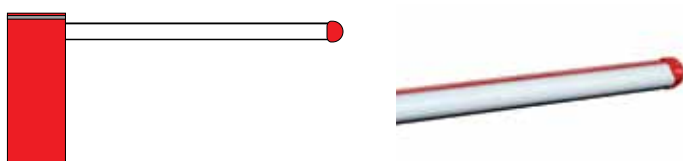
### SPECIFIC ACCESSORIES



S pocket and balance spring

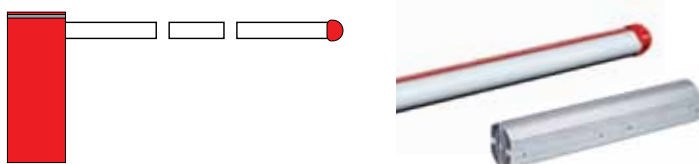
Item code 428436

### One-piece S beams



Model	Item code
One-piece S Beam 2.3 m	428045
One-piece Beam 3.3 m	428042
One-piece Beam 4.3 m	428043
One-piece Beam 5.3 m	428044

### Sectional S beams



Model	Item code
S coupling	428615
Initial S Beam 2.3 m	428045
Initial S Beam 3.3 m	428042
Final S beam 2 m	428046

### L: FROM 5 TO 8 m PASSAGE (8.3 m BEAM)

Accessories for L round beams depending on net gateway clearance	Lights	Skirt	Foot
from 5 m to 7 m	X	X	X
from 7 m to 7.5 m	X	X (without foot)	X (without skirt)
from 7.5 m to 8 m	X		X

- All beams are supplied with protective rubber on the bottom side and designed to fit lights on the top side. Reflective strips are not included.
- The beam profiles feature an elliptic section for operation even in windy areas.
- The sectional beam coupling is invisible once it is installed.

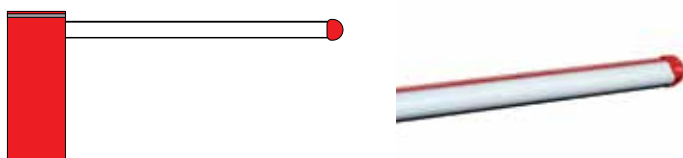
### SPECIFIC ACCESSORIES



L pocket and balancing spring

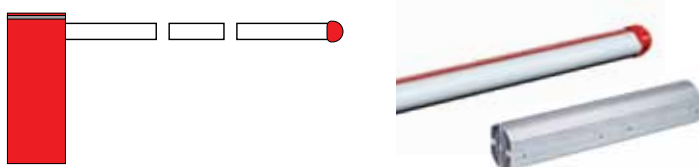
Item code 428437

### One-piece L beams



















Model	Item code
One-piece Beam L 5.3 m	428047

### Sectional L beams



Model	Item code
Upright L	428616
Initial L Beam 4 m	428048
Final L Beam 2.3 m	428049
Final L Beam 3.3 m	428050
Final L Beam 4.3 m	428051

## SPECIFIC ACCESSORIES

			
<p><b>Pivoting round beams</b></p> <p>Length 2,500 mm Item code 428175</p> <p>Length 3,000 mm Item code 428176</p>	<p><b>Stainless steel pocket for pivoting round beams (S spring required)</b></p> <p>Item code 428163</p> <p><b>Spring S (for pivoting round beams)</b></p> <p>Item code 63000169</p>	<p><b>Foundation plate</b></p> <p>Item code 490139</p>	<p><b>Integrated flashing traffic light *</b></p> <p>Item code 410022</p>
			
<p><b>Kit for connecting S/L round beam lights</b></p> <p>Item code 390992</p>	<p><b>Package containing 11 m LED luminous cord</b></p> <p>Item code 390993</p>	<p><b>2 m skirt kit for S/L round beam</b></p> <p>Item code 428441</p>	<p><b>End foot for S/L round beam</b></p> <p>Item code 428442</p>
			
<p><b>Fork support plate</b></p> <p>Item code 737621</p>	<p><b>Support fork for S/L round beam</b></p> <p>Item code 728487</p>	<p><b>Adjusting screw for S/L round beam support fork</b></p> <p>Item code 728488</p>	<p><b>Articulated beam kit for S round beam (max 4 m)</b></p> <p>Item code 428444</p>
			
<p><b>Additional triangular release key (10 pcs package)</b></p> <p>Item code 713002</p>	<p><b>XBAT connection kit</b></p> <p>Item code 390080</p>	<p><b>XBAT 24 emergency battery kit (not compatible with E 124)</b></p> <p>Item code 390923</p>	<p><b>Reflective strip kit</b></p> <p>Item code 490117</p>

## ACCESSORIES FOR SPECIFIC USES

<p><b>Release lock with customised key from no. 1 to no. 36</b></p> <p>Item code from 71209101 to 71209136</p>	<p><b>Anti-vandal valve per B680H (**)</b></p> <p>It protects the hydraulic system if the beam is forced</p> <p>Item code 401069</p>	<p><b>Anti-panic unit (**)</b></p> <p>For manual opening of the beam in the event of a power cut</p> <p>Item code 401051</p>	<p><b>Break out sensor for pivoting round beams</b></p> <p>Item code 390828</p>
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### Notes

- (\*) It is also possible to connect the FAACLED 24V external flashing light, see pg. 174
- (\*\*) the anti-panic and anti-vandalism valve cannot be used on the same barrier.