

# 620 Rapid

## Automatic barrier 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

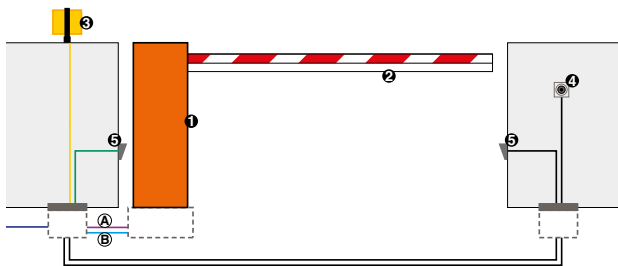
- New round beam with light support.



### 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	Kit
①	1	620 Rapid barrier body with built-in control unit 624 BLD	see following page	Not available
	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.

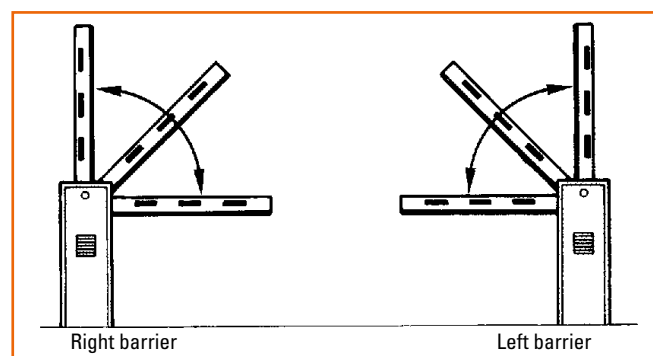
## 620 RAPID

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 150

## 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
Price (euro)	81.40
Length	2.315 mm
Item code	428088
Price (euro)	91.70
Length	2.815 mm
Item code	428089
Price (euro)	100.50
Length	3.815 mm
Item code	428090



### Round beams (while stocks last)

Length	2.500 mm
Item code	428078
Price (euro)	128.90
Length	3.000 mm
Item code	428075
Price (euro)	147.30
Length	4.000 mm
Item code	428079



### Pivoting round beams

Length	2.500 mm
Item code	428175
Price (euro)	190.70
Length	3.000 mm
Item code	428176



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

Rectangular beams	
Item code	428342
Price (euro)	40.20
Round beams (while stocks last)	
Item code	428152
Price (euro)	107.10
(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.



Available starting May 2012

**ROUND BEAMS AND SPECIFIC ACCESSORIES**



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

Length	2,300 mm
Item code	428045
Price (euro)	90.80
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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**Adjustment 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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**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 159



**Photocells  
and Columns**  
page 163



**Safety  
devices**  
page 166



**Flashing lamps**  
page 167



**Transmitters**  
page 156



**Various  
accessories**  
page 168