

Automatic barrier for beams up to 5 m

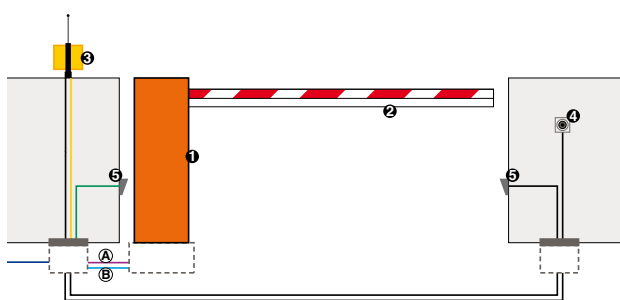
- Hydraulic operator with opening and closing block
- Ideal for medium transit frequency and for controlling small and medium private areas
- Anti-crushing hydraulic safety device
- Manual release by triangular key
- Already equipped with limit-switches
- Accommodate use of anti-vandal valve.



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	Cataphoresis	
Paint	Polyester RAL 2004	
Protection class	IP 44	
Max. consecutive cycles (at 20°)	220	340
Type of rectangular beam	standard-standard with skirt (4 m) - 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 (230 V)

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

N.B: Cable sections in mm²

Ref.	Q.ty	Description	Item code	Price (euro)
①	1	615 BPR standard barrier body with in-built control unit 615 BPR	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	787003	
③	1	Flashing lamp FAACLIGHT	410013	
④	1	Pair of photocells FOTOSWITCH	785152	
	2	Aluminium columns for FOTOSWITCH	401028	
⑤	1	Key-operated push-button T10	401010001/36	
	2	Foundation plates for columns	737630	
	1	Plastic container to be walled in	720086	
TOTAL				

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	Price (euro)
	Beam max. length (m)	Opening time (s)	Use frequency (%)			
615 BPR standard	5.00	6	50	Built-in 615 BPR	104906	
615 BPR rapid	2.50	3	40	Built-in 615 BPR	104907	

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 615 BPR
Technical specifications page 157

SPECIFIC ACCESSORIES



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

Item code 4282431
Price (euro)



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

Item code 4282441
Price (euro)



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

Item code 428137
Price (euro)



Standard rectangular beams - 5 lengths:

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



Round beams

Length	2,500 mm
Item code	428078
Price (euro)	
Length	3,000 mm
Item code	428075
Price (euro)	
Length	4,000 mm
Item code	428079
Price (euro)	
Length	5,000 mm
(only 620 standard)	
Item code	428149
Price (euro)	



Fastening pocket for rectangular or round beams

Rectangular beams	
Item code	428342
Price (euro)	
Round beams	
Item code	428152
Price (euro)	



Foundation plate

Item code 490073
Price (euro)

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).



End foot for rectangular beams (*)

Item code 428215
Price (euro)



Support fork for beams

Item code 722633
Price (euro)



Fork support plate

Item code 737621
Price (euro)



Additional triangular release key (10 pcs package)

Item code 713002
Price (euro)



Anti-vandal valve

Item code 401066
Price (euro)

615 BPR

Balancing springs for rectangular beams/rectangular beams with skirt

∅	Rectangular beams	Rectangular beams with skirt	Item code	Price (euro)
5.5	1,315 mm to 2,315 mm	1,315 mm to 2,315 mm	721008	
6.6	2,316 mm to 2,815 mm	2,316 mm to 2,815 mm	721005	
7.7	2,816 mm to 3,815 mm		721006	
7.7		2,816 mm to 3,815 mm	721007	
8.8	3,816 mm to 4,815 mm		721018	

Balancing springs for rectangular beams with end foot/skirt and end foot

∅	Rectangular beams with end foot	Rectangular beams with skirt and end foot	Item code	Price (euro)
5.5	1,315 mm to 1,815 mm	1,315 mm to 1,815 mm	721008	
6.6	1,816 mm to 2,315 mm	1,816 mm to 2,315 mm	721005	
7.7	2,316 mm to 2,815 mm		721006	
7.7		2,316 mm to 3,315 mm	721007	
8.8	2,816 mm to 3,815 mm		721018	

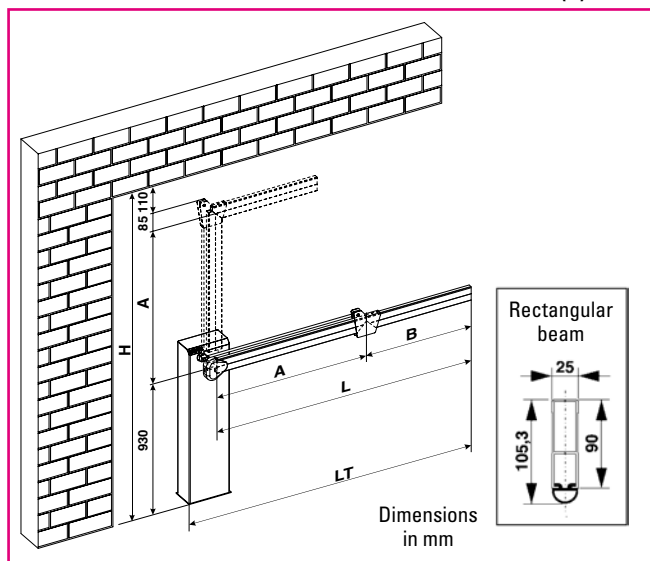
Balancing springs for 615 BPR rapid

∅	Rectangular beam	Round beam	Item code	Price (euro)
5.5	1,315 mm to 2,315 mm	1,315 mm to 2,315 mm	721008	

Balancing springs for round beams

∅	Round beam	Item code	Price (euro)
5.5	1,500 mm to 3,000 mm	721008	
6.6	3,001 mm to 4,000 mm	721005	
7.7	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	
	2,815	
3,815	815 to 1,314	
	1,315 to 2,075	
5.5	815 to 2,075	

L = Beam length
 H = Floor to ceiling height (max. 3.20 m)
 A = H - 1,155 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.



Key-operated push-buttons page 185



Photocells and Columns page 189



Safety devices page 191



Flashing lamps page 193



Transmitters page 182



Various accessories page 194