

# 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

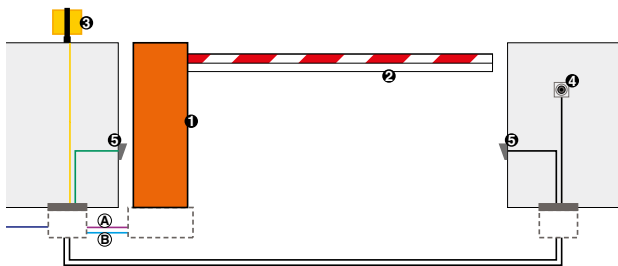
- New round beam with light support.



### 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<br>- 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.

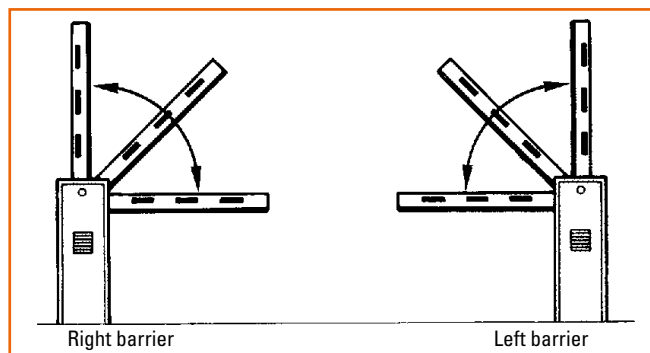
## 620 RAPID

| Model                       | Use                  |                  |                   | Control unit     | Item code           |
|-----------------------------|----------------------|------------------|-------------------|------------------|---------------------|
|                             | Beam max. length (m) | Opening time (s) | Use frequency (%) |                  |                     |
| 620 rapid LH/RH STD         | 4.00                 | 2 (3m)<br>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<br><span style="color:red; font-weight:bold;">NEW</span> | 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   |
| Length    | 2.315 mm |
| Item code | 428088   |
| Length    | 2.815 mm |
| Item code | 428089   |
| Length    | 3.815 mm |
| Item code | 428090   |



### Round beams (while stocks last)

|           |          |
|-----------|----------|
| Length    | 2.500 mm |
| Item code | 428078   |
| Length    | 3.000 mm |
| Item code | 428075   |
| Length    | 4.000 mm |
| Item code | 428079   |



### 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 |
| Round beams (while stocks last) | Item code | 428152 |
| (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   |

|           |          |
|-----------|----------|
| Length    | 3,300 mm |
| Item code | 428042   |



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

|           |        |
|-----------|--------|
| Item code | 428445 |
|-----------|--------|



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

|           |        |
|-----------|--------|
| Item code | 728487 |
|-----------|--------|



**Adjustment 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 |
|-----------|--------|

**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