

B680H

Automatic 24V Hybrid Barrier



Max beam length

2 - 8 m

Opening time

1,5 - 6 s

Use frequency

Continuous use



- 2,000,000 cycles thanks to the Brushless + Hydraulic motor and “unlimited” springs.
 - Removable cabinet available in 4 colours or stainless steel.
 - High logistic optimization: a single barrier model suitable for all lengths.
- <http://faac.ec/vb680hit>



DIMENSIONS AND TECHNICAL SPECIFICATIONS

Model	B680H
Power supply voltage	Switching: 100 ÷ 240V~ 50/60 Hz
Motor	Brushless 36V ---
Motor rotation speed	1000 ÷ 6000 rpm
Max. power	240 W
Motor-pump unit capacity	3.2 lpm
Material type	Steel
Type of treatment	100 micron zinc epoxy galvanisation + polyester painting or stainless steel cabinet
Encoder	Magnetic absolute encoder
Type of deceleration	Electronic - via encoder
Type of beam	Round
Operating ambient temperature	-20°C ÷ +55°C
Protection class	IP56 (TÜV certified)
Weight	85 Kg (65 Kg pillar + 20 Kg cabinet)
Type of oil	FAAC HP OIL
Dimensions (LxDxH)	469 x 279 x 1100 mm
Beam max length	2 ÷ 8 m
Opening time (90°)	1.5 s (2 m) - 6 s (8 m)
Use frequency	100%
Electronic equipment	E680

FAMILY MODELS

Model	Item code
B680H Cabinet	104680

PACKS

B680H includes: barrier cabinet with electronic equipment and absolute encoder, hydraulic drive transmission system, installation accessories, triangular release key.
DOES NOT include beam bracket, balancing spring (sold together with another code) and the cabinet.

ELECTRONIC CONTROL UNITS



E680 electronic control unit
 Info at page 160

cod. 63000128

CABINETS



Red cabinet RAL 3020

cod. 416016



Cabinet Blue RAL 5011

cod. 416017



Cabinet White RAL 9010

cod. 416018



Cabinet Grey RAL 9006

cod. 416019



Stainless steel cabinet

cod. 416020

PIVOTING ROUND BEAMS AND SPECIFIC ACCESSORIES



Pivoting round beams

Length (mm)	Item code
2.500	428175
3.000	428176

It is not possible to install skirt kits, end foot and fork on the new round pivoting beams.



Beam bracket for pivot round beam - (STAINLESS STEEL)

cod. 428163



S Spring (required for round pivoting beams)

cod. 63000169

>>



Break-in sensor for pivoting round beams

cod. 390828

BEAMS S: UP TO 5 M PASSAGE WIDTH



Pocket and balancing S spring

cod. 428436

Accessories for round beams S based on the effective span of the passage	Lights	Skirt	End foot
up to 4.5 m	X	X	X
from 4.5 m to 5 m	X		
from 4.5 m to 5 m modular (with collar assembly)			

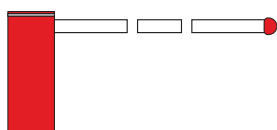
- All beams are provided with protective rubber on the lower side and provision for lights on the upper side. The adhesive reflectors are not included.
- The beam profiles have a 75 mm round section in order to be effective also in windy areas.
- The joint of the modular beams is invisible after installation.

WHOLE BEAMS S



Model	Item code
Whole Beam S 2.3 m	428045
Whole Beam S 3.3 m	428042
Whole Beam S 4.3 m	428043
Whole Beam S 5.3 m	428044

MODULAR BEAMS S



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

BEAMS L: FROM 5 M UP TO 8 M PASSAGE WIDTH



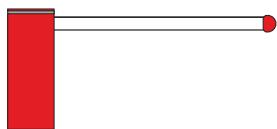
Pocket and balancing L spring

cod. 428437

Accessories for round beams L based on the effective span of the passage	Lights	Skirt	End foot
from 5 m to 7 m	X	X	X
from 7 m to 7.5 m	X	X (without end foot)	X (without skirt)
from 7.5 m to 8 m	X		X

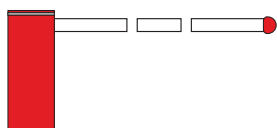
- All beams are provided with protective rubber on the lower side and provision for lights on the upper side. The adhesive reflectors are not included.
- The beam profiles have a 85 x 95 mm elliptical section in order to be effective also in windy areas.
- The joint of the modular beams is invisible after installation.

WHOLE BEAMS L









Model	Item code
Whole Beam L 5.3 m	428047

MODULAR BEAMS L



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

COMMON ACCESSORIES FOR ALL APPLICATIONS

					
Foundation plate	Skirt kit length 2 m ♦	Skirt kit length 3 m ♦	Fork support	Support plate for fork	Adjustment screws for fork support
cod. 490139	cod. 428441	cod. 428446	cod. 728487	cod. 737621	cod. 728488

>>

					
End pivoting foot ♦	Articulated kit for round beam S (max 4 m)	Integrated flashing traffic light ♦	Round beam light connection kit S/L ♦	Luminous cord 11 m pack ♦	XBAT 24 emergency battery kit ♦
cod. 428442	cod. 428444	cod. 410022	cod. 390992	cod. 390993	cod. 390923

>>

					
XBAT connection kit (to be ordered with 390923)	Adhesive reflector kit	Supplementary triangular release key (10 pcs. pack)	Release lock with customised key for cod. 390035	Anti-vandal valve protects the hydraulic system if the beam is forced	Anti-panic unit ♦
cod. 390080	cod. 490117	cod. 713002	cod. 71209101-36	cod. 401069	cod. 401051

NOTE

- ♦ For correct balancing, installing an end foot on a beam and on a beam with skirt requires a barrier cabinet for a beam length greater than 0.5 m.
- ◆ It is also possible to connect the FAACLED 24V external flashing light
- ◆ For correct balancing, installing lights on a round beam and a round beam with skirt for lengths greater than 2,800 mm requires a barrier cabinet for a beam length greater than 0.5 m. N.B. In case of beam with end foot and lights consider 1 m (0,5 m lights + 0,5 m endfoot).
- ◆ The anti-panic unit and the anti-vandal valve cannot coexist on the same barrier. It allows manual opening of the beam in case of power cut.
- ◆ It is not compatible with E124 control unit.

OTHER ACCESSORIES

Key operated buttons
page 172

Safety devices
page 182

Transmitters and receivers
page 164

Photocells and columns
page 179

Flashing lights
page 189

Various accessories
page 190